



NANDA INTERNATIONAL



NURSING DIAGNOSES

Definitions and Classification

2021–2023

Twelfth Edition



 Thieme

Supplemental Reference List

Contents

1	Domain 1. Health promotion	14
1.1	Class 1. Health awareness	14
	Decreased diversional activity engagement (00097)	
	Readiness for enhanced health literacy (00262)	
	Sedentary lifestyle (00168)	
1.2	Class 2. Health management	16
	Risk for elopement attempt (00290)	
	Frail elderly syndrome (00257)	
	Risk for frail elderly syndrome (00231)	
	Readiness for enhanced exercise engagement (00307)	
	Deficient community health (00215)	
	Risk-prone health behavior (00188)	
	Ineffective health maintenance behaviors (00292)	
	Ineffective health self-management (00276)	
	Readiness for enhanced health self-management (00293)	
	Ineffective family health self-management (00294)	
	Ineffective home maintenance behaviors (00300)	
	Risk for ineffective home maintenance behaviors (00308)	
	Readiness for enhanced home maintenance behaviors (00309)	
	Ineffective protection (00043)	
2	Domain 2. Nutrition	32
2.1	Class 1. Ingestion	32
	Imbalanced nutrition: less than body requirements (00002)	
	Readiness for enhanced nutrition (00163)	
	Insufficient breast milk production (00216)	
	Ineffective breastfeeding (00104)	
	Interrupted breastfeeding (00105)	
	Readiness for enhanced breastfeeding (00106)	
	Ineffective adolescent eating dynamics (00269)	
	Ineffective child eating dynamics (00270)	
	Ineffective infant feeding dynamics (00271)	
	Obesity (00232)	
	Overweight (00233)	
	Risk for overweight (00234)	
	Ineffective infant suck-swallow response (00295)	
	Impaired swallowing (00103)	
2.2	Class 2. Digestion	52
	This class does not currently contain any diagnoses	
2.3	Class 3. Absorption	52
	This class does not currently contain any diagnoses	

2.4	Class 4. Metabolism	52
	Risk for unstable blood glucose level (00179)	
	Neonatal hyperbilirubinemia (00194)	
	Risk for neonatal hyperbilirubinemia (00230)	
	Risk for impaired liver function (00178)	
	Risk for metabolic syndrome (00296)	
2.5	Class 5. Hydration	56
	Risk for electrolyte imbalance (00195)	
	Risk for imbalanced fluid volume (00025)	
	Deficient fluid volume (00027)	
	Risk for deficient fluid volume (00028)	
	Excess fluid volume (00026)	
3	Domain 3. Elimination and exchange	75
3.1	Class 1. Urinary function	75
	Disability-associated urinary incontinence (00297)	
	Impaired urinary elimination (00016)	
	Mixed urinary incontinence (00310)	
	Stress urinary incontinence (00017)	
	Urge urinary incontinence (00019)	
	Risk for urge urinary incontinence (00022)	
	Urinary retention (00023)	
	Risk for urinary retention (00322)	
3.2	Class 2. Gastrointestinal function	115
	Constipation (00011)	
	Risk for constipation (00015)	
	Perceived constipation (00012)	
	Chronic functional constipation (00235)	
	Risk for chronic functional constipation (00236)	
	Impaired bowel continence (00319)	
	Diarrhea (00013)	
	Dysfunctional gastrointestinal motility (00196)	
	Risk for dysfunctional gastrointestinal motility (00197)	
3.3	Class 3. Integumentary function	124
	This class does not currently contain any diagnoses	
3.4	Class 4. Respiratory function	124
	Impaired gas exchange (00030)	
4	Domain 4. Activity/rest	125
4.1	Class 1. Sleep/rest	125
	Insomnia (00095)	
	Sleep deprivation (00096)	

	Readiness for enhanced sleep (00165)	
	Disturbed sleep pattern (00198)	
4.2	Class 2. Activity/exercise	129
	Decreased activity tolerance (00298)	
	Risk for decreased activity tolerance (00299)	
	Risk for disuse syndrome (00040)	
	Impaired bed mobility (00091)	
	Impaired physical mobility (00085)	
	Impaired wheelchair mobility (00089)	
	Impaired sitting (00237)	
	Impaired standing (00238)	
	Impaired transfer ability (00090)	
	Impaired walking (00088)	
4.3	Class 3. Energy balance	136
	Imbalanced energy field (00273)	
	Fatigue (00093)	
	Wandering (00154)	
4.4	Class 4. Cardiovascular/pulmonary responses	138
	Ineffective breathing pattern (00032)	
	Decreased cardiac output (00029)	
	Risk for decreased cardiac output (00240)	
	Risk for impaired cardiovascular function (00311)	
	Ineffective lymphedema self-management (00278)	
	Risk for ineffective lymphedema self-management (00281)	
	Impaired spontaneous ventilation (00033)	
	Risk for unstable blood pressure (00267)	
	Risk for thrombosis (00291)	
	Risk for decreased cardiac tissue perfusion (00200)	
	Risk for ineffective cerebral tissue perfusion (00201)	
	Ineffective peripheral tissue perfusion (00204)	
	Risk for ineffective peripheral tissue perfusion (00228)	
	Dysfunctional ventilatory weaning response (00034)	
	Dysfunctional adult ventilatory weaning response (00318)	
4.5	Class 5. Self-care	161
	Bathing self-care deficit (00108)	
	Dressing self-care deficit (00109)	
	Feeding self-care deficit (00102)	
	Toileting self-care deficit (00110)	
	Readiness for enhanced self-care (00182)	
	Self-neglect (00193)	
5	Domain 5. Perception/cognition	166
5.1	Class 1. Attention	166
	Unilateral neglect (00123)	

5.2	Class 2. Orientation	166
	This class does not currently contain any diagnoses	
5.3	Class 3. Sensation/perception	166
	This class does not currently contain any diagnoses	
5.4	Class 4. Cognition	166
	Acute confusion (00128)	
	Risk for acute confusion (00173)	
	Chronic confusion (00129)	
	Labile emotional control (00251)	
	Ineffective impulse control (00222)	
	Deficient knowledge (00126)	
	Readiness for enhanced knowledge (00161)	
	Impaired memory (00131)	
	Disturbed thought process (00279)	
5.5	Class 5. Communication	181
	Readiness for enhanced communication (00157)	
	Impaired verbal communication (00051)	
6	Domain 6. Self-perception	182
6.1	Class 1. Self-concept	182
	Hopelessness (00124)	
	Readiness for enhanced hope (00185)	
	Risk for compromised human dignity (00174)	
	Disturbed personal identity (00121)	
	Risk for disturbed personal identity (00225)	
	Readiness for enhanced self-concept (00167)	
6.2	Class 2. Self-esteem	184
	Chronic low self-esteem (00119)	
	Risk for chronic low self-esteem (00224)	
	Situational low self-esteem (00120)	
	Risk for situational low self-esteem (00153)	
6.3	Class 3. Body image	195
	Disturbed body image (00118)	
7	Domain 7. Role relationship	198
7.1	Class 1. Caregiving roles	198
	Impaired parenting (00056)	
	Risk for impaired parenting (00057)	
	Readiness for enhanced parenting (00164)	
	Caregiver role strain (00061)	
	Risk for caregiver role strain (00062)	

7.2	Class 2. Family relationships	205
	Risk for impaired attachment (00058)	
	Disturbed family identity syndrome (00283)	
	Risk for disturbed family identity syndrome (00284)	
	Dysfunctional family processes (00063)	
	Interrupted family processes (00060)	
	Readiness for enhanced family processes (00159)	
7.3	Class 3. Role performance	207
	Ineffective relationship (00223)	
	Risk for ineffective relationship (00229)	
	Readiness for enhanced relationship (00207)	
	Parental role conflict (00064)	
	Ineffective role performance (00055)	
	Impaired social interaction (00052)	
8	Domain 8. Sexuality	210
8.1	Class 1. Sexual identity	210
	This class does not currently contain any diagnoses	
8.2	Class 2. Sexual function	210
	Sexual dysfunction (00059)	
	Ineffective sexuality pattern (00065)	
8.3	Class 3. Reproduction	210
	Ineffective childbearing process (00221)	
	Risk for ineffective childbearing process (00227)	
	Readiness for enhanced childbearing process (00208)	
	Risk for disturbed maternal-fetal dyad (00209)	
9	Domain 9. Coping/stress tolerance	214
9.1	Class 1. Post-trauma responses	214
	Risk for complicated immigration transition (00260)	
	Post-trauma syndrome (00141)	
	Risk for post-trauma syndrome (00145)	
	Rape-trauma syndrome (00142)	
	Relocation stress syndrome (00114)	
	Risk for relocation stress syndrome (00149)	
9.2	Class 2. Coping responses	216
	Ineffective activity planning (00199)	
	Risk for ineffective activity planning (00226)	
	Anxiety (00146)	
	Defensive coping (00071)	
	Ineffective coping (00069)	
	Readiness for enhanced coping (00158)	

	Ineffective community coping (00077)	
	Readiness for enhanced community coping (00076)	
	Compromised family coping (00074)	
	Disabled family coping (00073)	
	Readiness for enhanced family coping (00075)	
	Death anxiety (00147)	
	Ineffective denial (00072)	
	Fear (00148)	
	Maladaptive grieving (00301)	
	Risk for maladaptive grieving (00302)	
	Readiness for enhanced grieving (00285)	
	Impaired mood regulation (00241)	
	Powerlessness (00125)	
	Risk for powerlessness (00152)	
	Readiness for enhanced power (00187)	
	Impaired resilience (00210)	
	Risk for impaired resilience (00211)	
	Readiness for enhanced resilience (00212)	
	Chronic sorrow (00137)	
	Stress overload (00177)	
9.3	Class 3. Neurobehavioral stress	236
	Acute substance withdrawal syndrome (00258)	
	Risk for acute substance withdrawal syndrome (00259)	
	Autonomic dysreflexia (00009)	
	Risk for autonomic dysreflexia (00010)	
	Neonatal abstinence syndrome (00264)	
	Disorganized infant behavior (00116)	
	Risk for disorganized infant behavior (00115)	
	Readiness for enhanced organized infant behavior (00117)	
10	Domain 10. Life principles	239
10.1	Class 1. Values	239
	This class does not currently contain any diagnoses	
10.2	Class 2. Beliefs	239
	Readiness for enhanced spiritual well-being (00068)	
10.3	Class 3. Value/belief/action congruence	239
	Readiness for enhanced decision-making (00184)	
	Decisional conflict (00083)	
	Impaired emancipated decision-making (00242)	
	Risk for impaired emancipated decision-making (00244)	
	Readiness for enhanced emancipated decision-making (00243)	
	Moral distress (00175)	
	Impaired religiosity (00169)	
	Risk for impaired religiosity (00170)	
	Readiness for enhanced religiosity (00171)	

Spiritual distress (00066)
Risk for spiritual distress (00067)

11	Domain 11. Safety/protection	251
11.1	Class 1. Infection	251
	Risk for infection (00004)	
	Risk for surgical site infection (00266)	
11.2	Class 2. Physical injury	257
	Ineffective airway clearance (00031)	
	Risk for aspiration (00039)	
	Risk for bleeding (00206)	
	Impaired dentition (00048)	
	Risk for dry eye (00219)	
	Ineffective dry eye self-management (00277)	
	Risk for dry mouth (00261)	
	Risk for adult falls (00303)	
	Risk for child falls (00306)	
	Risk for injury (00035)	
	Risk for corneal injury (00245)	
	Nipple-areolar complex injury (00320)	
	Risk for nipple-areolar complex injury (00321)	277
	Risk for urinary tract injury (00250)	
	Risk for perioperative positioning injury (00087)	
	Risk for thermal injury (00220)	
	Impaired oral mucous membrane integrity (00045)	
	Risk for impaired oral mucous membrane integrity (00247)	
	Risk for peripheral neurovascular dysfunction (00086)	
	Risk for physical trauma (00038)	
	Risk for vascular trauma (00213)	
	Adult pressure injury (00312)	
	Risk for adult pressure injury (00304)	
	Child pressure injury (00313)	
	Risk for child pressure injury (00286)	
	Neonatal pressure injury (00287)	
	Risk for neonatal pressure injury (00288)	
	Risk for shock (00205)	
	Impaired skin integrity (00046)	
	Risk for impaired skin integrity (00047)	
	Risk for sudden infant death (00156)	
	Risk for suffocation (00036)	
	Delayed surgical recovery (00100)	
	Risk for delayed surgical recovery (00246)	
	Impaired tissue integrity (00044)	
	Risk for impaired tissue integrity (00248)	
11.3	Class 3. Violence	312
	Risk for female genital mutilation (00272)	

	Risk for other-directed violence (00138)	
	Risk for self-directed violence (00140)	
	Self-mutilation (00151)	
	Risk for self-mutilation (00139)	
	Risk for suicidal behavior (00289)	
11.4	Class 4. Environmental hazards	314
	Contamination (00181)	
	Risk for contamination (00180)	
	Risk for occupational injury (00265)	
	Risk for poisoning (00037)	
11.5	Class 5. Defensive processes	320
	Risk for adverse reaction to iodinated contrast media (00218)	
	Risk for allergy reaction (00217)	
	Risk for latex allergy reaction (00042)	
11.6	Class 6. Thermoregulation	322
	Hyperthermia (00007)	
	Hypothermia (00006)	
	Risk for hypothermia (00253)	
	Neonatal hypothermia (00280)	
	Risk for neonatal hypothermia (00282)	
	Risk for perioperative hypothermia (00254)	
	Ineffective thermoregulation (00008)	
	Risk for ineffective thermoregulation (00274)	
12	Domain 12. Comfort	339
12.1	Class 1. Physical comfort	339
	Impaired comfort (00214)	
	Readiness for enhanced comfort (00183)	
	Nausea (00134)	
	Acute pain (00132)	
	Chronic pain (00133)	
	Chronic pain syndrome (00255)	
	Labor pain (00256)	
12.2	Class 2. Environmental comfort	350
	Impaired comfort (00214)	
	Readiness for enhanced comfort (00183)	
12.3	Class 3. Social comfort	351
	Impaired comfort (00214)	
	Readiness for enhanced comfort (00183)	
	Risk for loneliness (00054)	
	Social isolation (00053)	

13	Domain 13. Growth/development	355
13.1	Class 1. Growth	355
	This class does not currently contain any diagnoses	
13.2	Class 2. Development	355
	Delayed child development (00314)	
	Risk for delayed child development (00305)	
	Delayed infant motor development (00315)	
	Risk for delayed infant motor development (00316)	

1 Domain 1. Health promotion

1.1 Class 1. Health awareness

Decreased diversional activity engagement (00097)

- Barnett-Damewood M, Carlson-Catalano J. Physical activity deficit: a proposed nursing diagnosis. *Nurs Diagn.* 2000; 11(1):24–31
- de Abreu Almeida M, da Silva MB, Panato BP, de Oliveira Siqueira AP, Laurent MdoC. Nursing outcomes for Brazilian pediatric patients hospitalized with deficient diversional activity. *Int J Nurs Knowl.* 2013; 24(2):85–92
- Kim D. The effects of a combined physical activity, recreation, and art and craft program on ADL, cognition, and depression in the elderly. *J Phys Ther Sci.* 2017; 29(4):744–747
- Linden M, Gehrke G, Geiselmann B. Profiles of recreational activities of daily living (RADL) in patients with mental disorders. *Psychiatr Danub.* 2009; 21(4):490–496
- Raffaelli Q, Mills C, Christoff K. The knowns and unknowns of boredom: a review of the literature. *Exp Brain Res.* 2017:28
- Zawadzki MJ, Smyth JM, Costigan HJ. Real-time associations between engaging in leisure and daily health and well-being. *Ann Behav Med.* 2015; 49(4):605–615

Readiness for enhanced health literacy (00262)

- Baker DW, Wolf MS, Feinglass J, Thompson JA, Gazmararian JA, Huang J. Health literacy and mortality among elderly persons. *Arch Intern Med.* 2007; 167(14):1503–1509
- Batterham RW, Buchbinder R, Beauchamp A, Dodson S, Elsworth GR, Osborne RH. The OPTimising HEalth LItterAcy (Ophelia) process: study protocol for using health literacy profiling and community engagement to create and implement health reform. *BMC Public Health.* 2014; 14:694
- Cafiero M. Nurse practitioners' knowledge, experience, and intention to use health literacy strategies in clinical practice. *J Health Commun.* 2013; 18 Suppl 1:70–81
- Dewalt DA, Berkman ND, Sheridan S, Lohr KN, Pignone MP. Literacy and health outcomes: a systematic review of the literature. *J Gen Intern Med.* 2004; 19(12):1228–1239
- Dickens C, Lambert BL, Cromwell T, Piano MR. Nurse overestimation of patients' health literacy. *J Health Commun.* 2013; 18 Suppl 1:62–69
- Kirsh I, Braum H, Yamamoto K. America's perfect storm: Three forces changing our nation's future. Princeton, NJ. Educational Testing Service; 2007
- Mancuso JM. Health literacy: a concept/dimensional analysis. *Nurs Health Sci.* 2008; 10(3):248–255
- Nielsen-Bohlman L, Panzer AM., Kindig DA, eds. Health literacy: A prescription to end confusion. Washington, DC: National Academies Press; 2004
- Paasche-Orlow MK, Parker RM, Gazmararian JA, Nielsen-Bohlman LT, Rudd RR. The prevalence of limited health literacy. *J Gen Intern Med.* 2005; 20(2):175–184
- Pleasant A, Kuruvilla S. A tale of two health literacies: public health and clinical approaches to health literacy. *Health Promot Int.* 2008; 23(2):152–159.

- Sørensen K, Van den Broucke S, Fullam J, et al. (HLS-EU) Consortium Health Literacy Project European. Health literacy and public health: a systematic review and integration of definitions and models. *BMC Public Health*. 2012; 12(1):80
- Speros C. Health literacy: concept analysis. *J Adv Nurs*. 2005; 50(6):633–640
- Weiss BD, Palmer R. Relationship between health care costs and very low literacy skills in a medically needy and indigent Medicaid population. *J Am Board Fam Pract*. 2004; 17(1):44–47
- World Health Organization, Regional Office for Europe. Health literacy: The solid facts. Retrieved from http://www.euro.who.int/data/assets/pdf_file/0008/190655/e96854.pdf; 2013
- Zarcadoolas C, Pleasant A, Greer DS. Understanding health literacy: an expanded model. *Health Promot Int*. 2005; 20(2):195–203

Sedentary lifestyle (00168)

- Blair SN, Kohl HW, III, Paffenbarger RS, Jr, Clark DG, Cooper KH, Gibbons LW. Physical fitness and all-cause mortality. A prospective study of healthy men and women. *JAMA*. 1989; 262(17):2395–2401
- Da Silva Costa, L., de Lima Lopes, J., Takáo Lopes, C., Batista Santos, V., & Lúcia Bot-tura Leite de Barros, A. (2018). Prevalence and Associations Between Related Factors and Defining Characteristics of the Nursing Diagnosis Sedentary Lifestyle in Patients with Acute Coronary Syndrome. *International Journal of Nursing Knowledge*. doi:10.1111/2047–3095.12234
- De Oliveira, M. R., da Silva, V. M., Guedes, N. G., & de Oliveira Lopes, M. V. (2015). Clinical Validation of the “Sedentary Lifestyle” Nursing Diagnosis in Secondary School Students. *The Journal of School Nursing*, 32(3), 186–194. doi:10.1177/1059840515588956
- Del Pino Casado R, Ugalde Apalategui M. Líneas de investigación en diagnóstico enfer-mero. *Enferm Clin*. 1999; 9(3):115–120
- Dumuid, D., Olds, T. S., Lewis, L. K., & Maher, C. (2016). Does home equipment con-tribute to socioeconomic gradients in Australian children's physical activity, seden-tary time and screen time?. *BMC public health*, 16, 736. doi:10.1186/s12889–016–3419–9
- Guedes, Nirla Gomes, Lopes, Marcos Venícios de Oliveira, Cavalcante, Tahissa Frota, Moreira, Rafaella Pessoa, & Araujo, Thelma Leite de. (2013). Review of nursing diag-nosis sedentary lifestyle in individuals with hypertension: conceptual analysis. *Revis-ta da Escola de Enfermagem da USP*, 47(3), 742–749.
- Guirao-Goris, J. A., & Duarte-Climents, G. (2007). The Expert Nurse Profile and Diag-nostic Content Validity of Sedentary Lifestyle: The Spanish Validation. *International Journal of Nursing Terminologies and Classifications*, 18(3), 84–92. doi:10.1111/j.1744–618x.2007.00056.x
- Hesketh, K. R., Lakshman, R., & van Sluijs, E. (2017). Barriers and facilitators to young children's physical activity and sedentary behaviour: a systematic review and synthe-sis of qualitative literature. *Obesity reviews : an official journal of the International Association for the Study of Obesity*, 18(9), 987–1017. doi:10.1111/obr.12562
- Lindsay, A. C., Arruda, C., De Andrade, G. P., Machado, M., & Greaney, M. L. (2019). Parenting practices that may encourage and discourage physical activity in pre-school-age children of Brazilian immigrant families: A qualitative study. *PloS one*, 14 (3), e0214143. doi:10.1371/journal.pone.0214143

- Lira, A.L.B.C., Tinôco, J.D.S., Delgado, M.F., Araujo, M.G.A., Costa, R.G., & Souza, A. M.L. (2015). Diagnóstico de enfermagem estilo de vida sedentario en escolares: la asociación con datos sociodemográficos. *Revista Mexicana de Enfermería Cardiológica*, 23(1), 6–11.
- Martins, Larissa Castelo Guedes. (2020). Análise dos fatores relacionados do diagnóstico de enfermagem Estilo de vida sedentário em pessoas com hipertensão arterial. Tese [Doutorado em Enfermagem]. Fortaleza, Universidade Federal do Ceará.
- Martins, Larissa Castelo Guedes, Lopes, Marcos Venícios de Oliveira, Guedes, Nirla Gomes, Menezes, Angélica Paixão, Farias, Odaleia de Oliveira, & Santos, Naftale Alves. (2016). Classification tree for the assessment of sedentary lifestyle among hypertensive. *Investigación y Educación en Enfermería*, 34(1), 113–119. doi:<https://dx.doi.org/10.17533/udea.iee.v34n1a13>
- Martins, Larissa Castelo Guedes, Lopes, Marcos Venícios de Oliveira, Guedes, Nirla Gomes, Teixeira, Iane Ximenes, Souza, Vanessa Emille Carvalho de, & Montoril, Michelle Helcias. (2014). Nursing diagnosis sedentary lifestyle in individuals with hypertension: an analysis of accuracy. *Revista da Escola de Enfermagem da USP*, 48(5), 804–810. doi:10.1590/S0080-6234201400005000005
- Moreira, Rafaella Pessoa, Guedes, Nirla Gomes, Lopes, Marcos Venícios de Oliveira, Cavalcante, Tahissa Frota, & Araújo, Thelma Leite de. (2014). Nursing diagnosis of sedentary lifestyle: expert validation. *Texto & Contexto - Enfermagem*, 23(3), 547–554.
- Parker, K. E., Salmon, J., Costigan, S. A., Villanueva, K., Brown, H. L., & Timperio, A. (2019). Activity-related behavior typologies in youth: a systematic review. *The international journal of behavioral nutrition and physical activity*, 16(1), 44. doi:10.1186/s12966-019-0804-7

1.2 Class 2. Health management

Risk for elopement attempt (00290)

- Barnard-Brak, L., Richman, D. M., Moreno, R. (2016). Predictors of Elopement Exhibited by School-Aged Children With Special Health Care Needs: Towards the Development of a Screening Instrument for Elopement. *J Primary Prevent*, 37, 543–554. doi:10.1007/s10935-016-0449-0
- Bloomfield, C., & McNee, B. (2015). Reexamine elopement risk assessment. *Long-Term Living: For the Continuing Care Professional*, 64(6), 28–30. Retrieved from: <https://www.iadvanceseniorcare.com/reexamine-elopement-risk-assessments/>
- Bowers, L. et al. (1999). Absconding: how and when patients leave the ward. *Journal of Psychiatric and Mental Health Nursing*, 6(3), 207–211. doi:10.1046/j.1365-2850.1999.630207.x
- Bowers, L., Jarrett M., Clarck N. (1998). Absconding: a literature review. *Journal of Psychiatric and Mental Health Nursing*, 5(5), 343–353. doi:10.1046/j.1365-2850.1998.00149.x
- Boyle, A. M., Adamson, E.M. (2017). Systematic Review of Functional Analysis and Treatment of Elopement (2000–2015). *Behav Analysis Practice*, 10, 375–385. doi:10.1007/s40617-017-0191-y
- Brasil. (2002) Padronização da nomenclatura do censo hospitalar. Ministério da Saúde. Secretaria de Assistência à Saúde. Departamento de Sistemas e Redes Assistenciais.

- MS, 2, 12–13. Retrieved from: https://bvsmms.saude.gov.br/bvs/publicacoes/padronizacao_censo.pdf
- Brasil. (2016) Ministério da Educação. Procedimento Operacional Padrão: POP/SERVIÇO DE EDUCAÇÃO EM ENFERMAGEM/04/2016. EBSEERH, 1, 171 – 173. Retrieved from: <http://www2.ebserh.gov.br/documents/147715/0/Pop+4+servi%C3%A7o+de+educ+enfermagem.pdf/ebdf439e-0577-4f25-8d62-19e80b4ac5e6>
- Brumbles, D., & Meister, A. (2013). Psychiatric Elopement: Using Evidence to Examine Causative Factors and Preventative Measures. *Archives of Psychiatric Nursing*, 27 (1), 3–9. doi:10.1016/j.apnu.2012.07.002
- Carneiro, F. et al. (2011) Eventos adversos na clínica cirúrgica de um hospital universitário: instrumento de avaliação da qualidade. *Revista de Enfermagem UERJ*, 19(2) 204–211. Retrieved from: <https://pesquisa.bvsalud.org/portal/resource/pt/bde-20441>
- Chung C.C. & Lai K.Y.C. (2011). Elopement among community-dwelling older adults with dementia. *International Psychogeriatrics*, 23(1), 65–72.
- Dewitt, A. L. (2012). Liability risks in residents elopement: an elopement plan can help facilities defend against negligence charges. *Advance for Long-Term Care Management*, 15(1), 16–17. Retrieved from: <http://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=108152978&lang=es&site=ehost-live>
- Dickens, G.L. & Campbell J. (2001) Absconding of patients from an independent UK psychiatric hospital: a 3-year retrospective analysis of events and characteristics of absconders. *Journal of Psychiatric and Mental Health Nursing*, 8, 543–550. doi:10.1046/j.1351-0126.2001.00426.x
- Emanuel L.L., Taylor L., Hain A., Combes J.R., Hatlie M.J., Karsh B., Lau D.T., Shalowitz J., Shaw T., Walton M. (2013). PSEP. The Patients Safety Education Program – Canada. Module 13b: Mental Health Care: Preventing and Responding to Absconding and Missing Patients. Retrieved from: <https://www.patientsafetyinstitute.ca/en/education/PatientSafetyEducationProgram/PatientSafetyEducationCurriculum/Documents/Module%2013%20Mental%20Health%20Care%20An%20Introduction%20to%20Patient%20Safety%20Issues.pdf>
- Feldkamp, J. K. (2018). Regulatory and Litigation Risks of Elopement. *Caring for the Ages*, 19(9), 8. doi:10.1016/j.carage.2018.08.006
- Gerace, A. et al. (2014). Five-year review of absconding in three acute psychiatric inpatient wards in Australia. *International Journal Of Mental Health Nursing*, 24 (1), 28–37. doi:10.1111/inm.12100
- Grotto, J. et al. (2014). Risk assessment and absconding: perceptions, understandings and responses of mental health nurses. *Journal of Clinical Nursing*, 24 (5–6) 855–865. doi:10.1111/jocn.12671
- Jessel, J., Ingvarsson, E. T., Metras, R., Whipple, R., Kirk, H., Solsbery, L. (2018). Treatment of elopement following a latency-based interview-informed, synthesized contingency analysis. *Behavioral Interventions*, 33(3), 271–283. doi:10.1002/bin.1525
- Lester, P. E., Garite, A., & Kohen, I. (2012). Wandering and elopement in nursing homes. *Annals of Long Term Care*, 20(3), 32–36. Retrieved from: <http://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=108176058&lang=es&site=ehost-live>
- Lin Gu. (2015). Nursing Interventions in Managing Wandering Behavior in Patients With Dementia: A Literature Review. *Archives of Psychiatric Nursing*, 29(6), 454–457. doi:10.1016/j.apnu.2015.06.003

- McGarrity-Davis, A. (2016). Ask. McKnight's Long-Term Care News. CEO, AMD Solutions: Haymarket Media, Inc. Retrieved from: <http://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=113093255&lang=es&site=ehost-live>
- Mills, P. D., Watts, B. V., Shiner, B., & Hemphill, R. R. (2018). Adverse events occurring on mental health units. *General Hospital Psychiatry*, 50, 63–68. doi:10.1016/j.genhosppsych.2017.09.001
- Pereira, M. et al. (2013). Busca ativa para conhecer o motivo da evasão de usuários em serviço de saúde mental. *Acta Paulista de Enfermagem*, 26 (5), 409–412. doi:10.1590/S0103-21002013000500002
- Silveira, J. et al. (2014). Schizophrenia and the use of alcohol and other drugs: epidemiological profile. *Revista da Rede de Enfermagem do Nordeste*, 15(3), 436–446. doi:10.15253/2175-6783.2014000300008
- Smith, T. A. (2012). Hospital security and patient elopement: protecting patients and your healthcare facility. *Journal of Healthcare Protection Management*, 28(1), 7–20. Retrieved from: https://www.researchgate.net/publication/221711969_Hospital_security_and_patient_elopement_protecting_patients_and_your_healthcare_facility
- Struck, K. (2013). Elopement: assessment and safety essentials. *Provider*, 39(5), 43–46. <http://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=108012840&lang=es&site=ehost-live>
- The Royal College of Emergency Medicine. (2018). Best Practice Guideline. The Patient who Absconds. Available from: https://www.rcem.ac.uk/docs/College%20Guidelines/CEC_BPG_Abscond_130117%20SS%20final%202%20-%20on%20new%20template.pdf

Frail elderly syndrome (00257)

- Abellan, van Kan G., Rolland, Y., Houles, M., Gillette-Guyonnet, S., Soto, M. & Vellas, B. (2010). The assessment of frailty in older adults. *Clinics in Geriatric Medicine*, 26 (2), 275–86.
- Afilalo, J., Karunanathan, S., Eisenberg, M.J., Alexander, K.P., & Bergman, H. (2009). Role of frailty in patients with cardiovascular disease. *The American Journal of Cardiology*, 103(11), 1616–1621.
- Ávila-Funes, J.A., Amieva, H., Barberger-Gateau, P., Le Goff, M., Raoux, N., Ritchie, K., ... Dartigues, J.F. (2009). Cognitive impairment improves the predictive validity of the phenotype of frailty for adverse health outcomes: the three-city study. *Journal of the American Geriatrics Society*, 57(3), 453–461.
- Bartali, B., Frongillo, E.A., Bandinelli, S., Lauretani, F., Semba, R.D. & Fried, L.P. (2006). Low nutrient intake is an essential component of frailty in older persons. *Journals of Gerontology Series A-Biological Sciences & Medical Sciences*, 61(6), 589–593.
- Chen, C.Y., Wu, S.C.H. Chen, L.J. & Lue, B.H. (2010). The prevalence of subjective frailty and factors associated with frailty in Taiwan. *Archives of Gerontology and Geriatrics*, 50, 543–547.
- Espinoza, S., & Walston, J.D. (2005). Frailty in older adults: insights and interventions. *Cleveland Clinic Journal of Medicine*, 72(12), 1105–1112.
- Fillit, H., & Butler, R. (2009). The frailty identity crisis. *Journal of the American Geriatrics Society*, 57(2), 348–352.
- Fried, L.P., Ferrucci, L., Darer, J., Williamson, J.D. & Anderson, G. (2004). Untangling the concepts of disability, frailty, and comorbidity: implications for improved target-

- ing and care. *Journal of Gerontology: Series A Biological Sciences and Medical Sciences*, 59(3), 255–63.
- Gallucci, M., Ongaro, F., Amici, G.P., & Regini, C. (2009). Frailty, disability and survival in the elderly over the age of seventy: Evidence from “The Treviso Longeva (TRELONG) Study”. *Archives of Gerontology and Geriatrics*, 48(3), 281–283.
- Garrido, M., Serrano, M.D., Bartolomé, R., & Martínez-Vizcaino, V. (2012). Differences in the expression of the frailty syndrome in institutionalized elderly men and women with no severe cognitive decline. *Revista Espanola de Geriatria y Gerontologia*, 47(6), 247–253.
- Gill, T.M., Allore, H.G., Holford, T.R. & Guo, Z.G. (2004). Hospitalization, restricted activity and the development of disability among older persons. *Journal of the American Medical Association*, 292(17), 2115–2124.
- Gobbens, R.J., Luijckx, K.G., Wijnen-Sponselee, M.T. & Schols, J.M. (2010). Toward a conceptual definition of frail community dwelling older people. *Nursing Outlook*, 58(2), 76–86.
- Graf, C. (2006). Functional Decline in Hospitalized Older Adults: It's often a consequence of hospitalization, but it doesn't have to be. *American Journal of Nursing*, 106(1), 58–67.
- Heppenstall, C.P., Wilkinson, T.J., Hanger, H.C. & Keeling, S. (2009). Frailty: dominos or deliberation? *Journal of the New Zealand Medical Association*, 122(1299), 42–53.
- Jarosz P., & Bellar, A. (2008). Sarcopenic obesity: An emerging cause of frailty in older adults. *Geriatric Nursing*, 30(1), 64–70.
- Landi, F., Onder, G., Carpenter, I., Cesari, M., Soldato, M., & Bernabei, R. (2007). Physical activity prevented functional decline among frail community-living elderly subjects in an international observational study. *Journal of Clinical Epidemiology*, 60(5), 18–24.
- Levers, M-J., Estabrooks, C.A. & Ross Kerr, J .C. (2006). Factors contributing to frailty: Literature review. *Journal of Advanced Nursing*, 56(3), 282–291.
- Markle-Ried, M. & Browne, G. (2003). Conceptualizations of frailty in relation to older adults. *Journal of Advanced Nursing*, 44(1), 58–68.
- Milne, A.C., Avenell, A., & Potter, J. (2006). Improved food intake in frail older people. *British Medical Journal*, 332(7551), 1165–1166.
- Xue, Q-L., Fried, L., Glass, T.A., Laffan, A., & Chaves, P.H.M. (2008). Life-space constriction, development of frailty, and the competing risk of mortality. The women's health and ageing study I. *American Journal of Epidemiology*, 167(2), 240–248.

Risk for frail elderly syndrome (00231)

- Abellan, van Kan G., Rolland, Y., Houles, M., Gillette-Guyonnet, S., Soto, M. & Vellas, B. (2010). The assessment of frailty in older adults. *Clinics in Geriatric Medicine*, 26(2), 275–86.
- Afilalo, J., Karunanathan, S., Eisenberg, M.J., Alexander, K.P., & Bergman, H. (2009). Role of frailty in patients with cardiovascular disease. *The American Journal of Cardiology*, 103(11), 1616–1621.
- Ávila-Funes, J.A., Amieva, H., Barberger-Gateau, P., Le Goff, M., Raoux, N., Ritchie, K., ... Dartigues, J.F. (2009). Cognitive impairment improves the predictive validity of the phenotype of frailty for adverse health outcomes: the three-city study. *Journal of the American Geriatrics Society*, 57(3), 453–461.
- Bartali, B., Frongillo, E.A., Bandinelli, S., Lauretani, F., Semba, R.D. & Fried, L.P. (2006). Low nutrient intake is an essential component of frailty in older persons.

- Journals of Gerontology Series A-Biological Sciences & Medical Sciences, 61(6), 589–593.
- Chen, C.Y., Wu, S.C.H. Chen, L.J. & Lue, B.H. (2010). The prevalence of subjective frailty and factors associated with frailty in Taiwan. *Archives of Gerontology and Geriatrics*, 50, 543–547.
- Espinoza, S., & Walston, J.D. (2005). Frailty in older adults: insights and interventions. *Cleveland Clinic Journal of Medicine*, 72(12), 1105–1112.
- Fillit, H., & Butler, R. (2009). The frailty identity crisis. *Journal of the American Geriatrics Society*, 57(2), 348–352.
- Fried, L.P., Ferrucci, L., Darer, J., Williamson, J.D. & Anderson, G. (2004). Untangling the concepts of disability, frailty, and comorbidity: implications for improved targeting and care. *Journal of Gerontology: Series A Biological Sciences and Medical Sciences*, 59(3), 255–63.
- Gallucci, M., Ongaro, F., Amici, G.P., & Regini, C. (2009). Frailty, disability and survival in the elderly over the age of seventy: Evidence from “The Treviso Longeva (TRE-LONG) Study”. *Archives of Gerontology and Geriatrics*, 48(3), 281–283.
- Garrido, M., Serrano, M.D., Bartolomé, R., & Martínez-Vizcaino, V. (2012). Differences in the expression of the frailty syndrome in institutionalized elderly men and women with no severe cognitive decline. *Revista Espanola de Geriatria y Gerontologia*, 47(6), 247–253.
- Gill, T.M., Allore, H.G., Holford, T.R. & Guo, Z.G. (2004). Hospitalization, restricted activity and the development of disability among older persons. *Journal of the American Medical Association*, 292(17), 2115–2124.
- Gobbens, R.J., Luijckx, K.G., Wijnen-Sponselee, M.T. & Schols, J.M. (2010). Toward a conceptual definition of frail community dwelling older people. *Nursing Outlook*, 58(2), 76–86.
- Graf, C. (2006). Functional Decline in Hospitalized Older Adults: It's often a consequence of hospitalization, but it doesn't have to be. *American Journal of Nursing*, 106(1), 58–67.
- Heppenstall, C.P., Wilkinson, T.J., Hanger, H.C. & Keeling, S. (2009). Frailty: dominos or deliberation? *Journal of the New Zealand Medical Association*, 122(1299), 42–53.
- Jarosz P., & Bellar, A. (2008). Sarcopenic obesity: An emerging cause of frailty in older adults. *Geriatric Nursing*, 30(1), 64–70.
- Landi, F., Onder, G., Carpenter, I., Cesari, M., Soldato, M., & Bernabei, R. (2007). Physical activity prevented functional decline among frail community-living elderly subjects in an international observational study. *Journal of Clinical Epidemiology*, 60(5), 18–24.
- Levers, M.-J., Estabrooks, C.A. & Ross Kerr, J. C. (2006). Factors contributing to frailty: Literature review. *Journal of Advanced Nursing*, 56(3), 282–291.
- Markle-Ried, M. & Browne, G. (2003). Conceptualizations of frailty in relation to older adults. *Journal of Advanced Nursing*, 44(1), 58–68.
- Milne, A.C., Avenell, A., & Potter, J. (2006). Improved food intake in frail older people. *British Medical Journal*, 332(7551), 1165–1166.
- Xue, Q.-L., Fried, L., Glass, T.A., Laffan, A., & Chaves, P.H.M. (2008). Life-space restriction, development of frailty, and the competing risk of mortality. The women's health and ageing study I. *American Journal of Epidemiology*, 167(2), 240–248.

Readiness for enhanced exercise engagement (00307)

- Bouça-Machado R, Rosário A, Caldeira D, Castro Caldas A, Guerreiro D, Venturelli M, et al. Physical Activity, Exercise, and Physiotherapy in Parkinson's Disease: Defining the Concepts. *Mov Disord Clin Pract*. 2020;7(1):7–15.
- Brand T, Gansefort D, Rothgang H, Röseler S, Meyer J, Zeeb H. Promoting community readiness for physical activity among older adults in Germany – Protocol of the ready to change intervention trial Health behavior, health promotion and society. *BMC Public Health* [Internet]. 2016 [cited 2020 Jun 24];16(1):99. Available from: <http://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-016-2761-2>
- Caspersen CJ, Powell KE, Christenson GM. Physical activity, exercise, and physical fitness: definitions and distinctions for health-related research. *Public Health Rep* [Internet]. SAGE Publications; 1985 [cited 2018 May 22];100(2):126–31. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/3920711>
- Darawad MW, Khalil AA, Hamdan-Mansour AM, Nofal BM. Perceived Exercise Self-Efficacy, Benefits and Barriers, and Commitment to a Plan for Exercise among Jordanians with Chronic Illnesses. *Rehabil Nurs* [Internet]. John Wiley & Sons, Ltd; 2016 Nov 1 [cited 2019 Feb 13];41(6):342–51. Available from: <http://insights.ovid.com/crossref?an=00006939-201611000-00009>
- Dasso NA. How is exercise different from physical activity? A concept analysis. *Nurs Forum* [Internet]. 2018 [cited 2019 Feb 13];54(1):45–52. Available from: <http://doi.wiley.com/10.1111/nuf.12296>
- Escalante Y. Actividad física, ejercicio físico y condición física en el ámbito de la salud pública. *Rev Esp Salud Publica* [Internet]. 2011 [cited 2018 May 15];84:325–8. Available from: <http://www.redalyc.org/pdf/170/17019926001.pdf>
- Gilchrist JD, Pila E, Castonguay A, Sabiston CM, Mack DE. Body pride and physical activity: Differential associations between fitness- and appearance-related pride in young adult Canadians. *Body Image* [Internet]. 2018 [cited 2019 Feb 13];27:77–85. Available from: <https://www.sciencedirect.com/science/article/abs/pii/S1740144517305223>
- Govindaraj R, Karmani S, Varambally S, Gangadhar BN. Yoga and physical exercise – a review and comparison. *Int Rev Psychiatry* [Internet]. 2016 [cited 2020 Jun 24];28(3):242–53. Available from: <https://www.tandfonline.com/doi/abs/10.3109/09540261.2016.1160878>
- Lox CL, Ginis KA, Petruzzello S. The Psychology of Exercise: Integrating Theory and Practice – Curt L. Lox, Kathleen A. Martin Ginis, Steven J. Petruzzello – Google Libros. New York: Routledge; 2014.
- Mandolesi L, Polverino A, Montuori S, Foti F, Ferraioli G, Sorrentino P, et al. Effects of physical exercise on cognitive functioning and wellbeing: Biological and psychological benefits. *Front Psychol*. 2018;9:509.
- Reynaga Estrada P, Arévalo Vázquez EI, Verdesoto Gáelas ÁM, Jiménez Ortega IM, Preciado Serrano M de L, Morales Acosta JJ. Beneficios psicológicos de la actividad física en el trabajo de un centro educativo. *Retos nuevas tendencias en Educ física, Deporte y recreación*, ISSN 1579–1726, No 30, 2016, págs 203–206 [Internet]. 2016 [cited 2018 May 15];(30):203–6. Available from: <https://dialnet.unirioja.es/servlet/articulo?codigo=5529626>
- Rodríguez-Romo G, Boned-Pascual C, Garrido-Muñoz M. Motivos y barreras para hacer ejercicio y practicar deportes en Madrid. *Rev Panam Salud Pública* [Internet]. 2009 [cited 2019 Feb 13];(3):244–54. Available from: http://www.scielo.org/scielo.php?script=sci_arttext&pid=S1020-498920090000900009&lng=es&nrm=iso&tlng=es

- Sánchez JM, Núñez Alonso JL. Análisis preliminar de las propiedades psicométricas de la versión Española de la escala de necesidades psicológicas básicas en el ejercicio físico. *Rev Iberoam Psicol del Ejerc y el Deport* [Internet]. 2007 [cited 2018 May 17];2(2):83–92. Available from: <https://dialnet.unirioja.es/servlet/articulo?codigo=2599142>
- Souto Barreto P, Denormandie P, Lepage B, Armaingaud D, Rapp T, Chauvin P, et al. Effects of a long-term exercise programme on functional ability in people with dementia living in nursing homes: Research protocol of the LEDEN study, a cluster randomized controlled trial. *Contemp Clin Trials* [Internet]. 2016 [cited 2019 Feb 13];47:289–95. Available from: <https://www.sciencedirect.com/science/article/pii/S1551714416300180>
- Strohacker K, Zakrajsek RA. Determining dimensionality of exercise readiness using exploratory factor analysis. *J Sport Sci Med* [Internet]. 2016 [cited 2020 Jun 24];15(2):229–38. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4879435/>
- Thøgersen-Ntoumani C, Shepherd SO, Ntoumanis N, Wagenmakers AJM, Shaw CS. Intrinsic motivation in two exercise interventions: Associations with fitness and body composition. *Heal Psychol* [Internet]. 2016 [cited 2019 Feb 13];35(2):195–8. Available from: <http://doi.apa.org/getdoi.cfm?doi=10.1037/hea0000260>
- WHO. Physical Activity [Internet]. WHO. World Health Organization; 2017 [cited 2019 Feb 13]. Available from: <https://www.who.int/dietphysicalactivity/pa/en/>

Deficient community health (00215)

- Edmundson, S., Stuenkel, D.L., Connolly, P. M. (2005). Upsetting the Apple Cart: A Community Anticoagulation Clinic Survey of Life Event Factors that Undermine Safe Therapy. *Journal of Vascular Nursing*, 23(3), 105–111.
- Francis, E., Hughes, P., Schinka, J. (1999). Improving Cost-Effectiveness in a Substance Abuse Treatment Program. *Psychiatric Services*, 50(5), 633–635.
- Goetzl, R.Z., Ozminkowski, R. J., Bruno, J.A., Rutter, K. R., Isaac, F., & Wang, S. (2002). The Long-Term Impact of Johnson & Johnson's Health & Wellness Program on Employee Health Risks. *Journal of Occupational and Environmental Medicine*, 44(5), 417–424.
- Hawkins, J.D., Catalano, R.F., & Arthur, M.W. (2002). Promoting Science-Based Prevention in Communities. *Addictive Behaviors*, 27(6), 951–976.
- Keller, L.O., Schaffer, M.A., Lia-Hoagberg, B., & Strohschein, S. (2002). Assessment, Program Planning, and Evaluation in Population-Based Public Health Practice. *Journal of Public Health Management and Practice*, 8(5), 30–43.
- McGinnis, J.M., Williams-Russo, P., & Knickman, J.R. (2002). The Case for More Active Policy Attention to Health Promotion. *Health Affairs*, 21(2), 78–93.
- Pegus, C., Bazzarre, T.L., Brown, J.S., & Menzin, J. (2002). Effect of the Heart at Work Program on Awareness of Risk Factors, Self-Efficacy, and Health Behaviors. *Journal of Occupational and Environmental Medicine*, 44(3), 228–236.
- Porter, H.B., Avery, S., Edmond, L., Straw, R., & Young, J. (2002). Program Evaluation in Pediatric Education. *Journal for Nurses in Staff Development*, 18(5), 258–266.
- Rome, S. (2002). Developing a Fall-Prevention Program for Patients. *American Journal of Nursing*, 102(6), 24A, 24C-D.
- Swallow, A.D. & Dykes, P.C. (2004). Tobacco cessation at Greenwich Hospital. *American Journal of Nursing*, 104(12), 61–62.

Woodward, D. (2005). Developing a Pain Management Program Through Continuous Improvement Strategies. *Journal of Nursing Care Quality*, 20(3), 261–267.

Risk-prone health behavior (00188)

Alder, J. & Bitzer, J. (2003). Retrospective evaluation of the treatment for breast cancer: How does the patient's personal experience of the treatment affect later adjustment to the illness? [Electronic version]. *Archives of Women's Mental Health*, 6(2): 91–97.

American Medical Association (2001). Executive summary of the third report of the national cholesterol education program (NCEP) expert panel on detection, evaluation, and treatment of high blood cholesterol in adults (adult treatment panel III). *Journal of the American Medical Association*, 285(19): 2486–97.

Bandura A. (1982). Self Efficacy Mechanism in human agency. *American Psychologist*, 37(2): 122–147.

Bornstein, J. & Bahat-Sterensus, H. (2004). Predictive factors for noncompliance with follow-up among women treated for cervical intraepithelial neoplasia. *Gynecologic and Obstetric Investigation*, 58(4): 202–6.

DiMatteo, R.M., Lepper, H.S., & Croghan, T.W. (2000). Depression is a risk factor for non-compliance with medical treatment. *Archives of Internal Medicine*, 160(14): 2101–2107.

Jager, B., Liedtke, R., Lamprecht, F., & Freyberger, H. (2004). Social and health adjustment of bulimic women 7–9 years following therapy. [Electronic version] *Acta Psychiatrica Scandinavica*, 110(2): 138–145.

Kiefe, C.L., Heudebert, G., Box, J.B., Farmer, R.M., Micahel, M., & Clancy, C.M. (1999). Compliance with post-hospitalization follow-up visits: rationing by inconvenience? [Electronic version] *Ethnicity & Disease*, 9(3): 387–395.

Koenigsberg, M., Barlett, D. & Carmer, J.S. (2004). Facilitating treatment adherence with lifestyle changes in diabetes. [Electronic version] *American Family Physician*, 69(2): 309–316, 319–320, 323–34.

Lifshitz, H. & Glaubman, R. (2004). Caring for the people with disabilities in the Haredi community: Adjustment mechanism in action. [Electronic version] *Disability and Society*, 19(5): 469–486.

Medline. Medline plus medical encyclopedia. Retrieved from <http://www.nlm.nih.gov/medlineplus/ency/article/000932.htm> (accessed October 21, 2004).

Merriam-Webster (1993). Webster's third new international dictionary, unabridged. Springfield, MA: Merriam-Webster.

National Heart, Lung, and Blood Institute. How you can lower your cholesterol level? Retrieved from www.nhlbi.nih.gov/chd/lifestyles.htm.

National Heart, Lung, and Blood Institute (2003). Seventh report of the Joint National Committee of the Prevention, Detection, Evaluation, and Treatment of High Blood Pressure (JNC 7). Retrieved from <http://www.nhlbi.nih.gov/guidelines/hypertension/jnc7full.htm>.

National Kidney Foundation/Kidney Disease Outcomes Institute Guidelines (2002). K/DOQI Clinical practice guidelines for chronic kidney disease: Evaluation, classification, and stratification. Retrieved from http://www.kidney.org/professionals/kdoqi/p4_class_g2.htm.

Newsom, J.T., Kaplan, M. S., Huguette, N. & McFarland, B.H. (2004). Health behaviors in a representative sample of older Canadians: Prevalences, reported change, motiva-

- tion to change, and perceived barriers [Electronic version]. *The Gerontologist*, 44 (2):193–205.
- Nosè, M. & Barbui, C. (2003). Efficacia delle strategie per migliorare l'aderenza ai trattamenti nelle psicosi: revisione sistematica. [Systematic review of clinical interventions for reducing treatment non-adherence in psychosis.] *Epidemiologia E Psichiatria Sociale*, 12(4): 272–286.
- Pinto, M.B., Maruyama, N.C., Clark, M.M., Cruess, D.G., Park, E., & Roberts, M. (2002). Motivation to modify lifestyle risk behaviors in women treated for breast cancer [Electronic version]. Mayo Foundation for Medical Education and Research, 77(2): 122–129.
- Prelow, H.M., Danoff-Burg, S., Swenson, R.R., & Pulgiano, D. (2004). The impact of ecological risk and perceived discrimination on the psychological adjustment of African American and European youth [Electronic version]. *Journal of Community Psychology*, 32(4): 375–389.
- Psyweb. Adjustment disorders. Retrieved from <http://www.psyweb.com/Mdisord/adjd.html>.
- Shemesh, E. (2004). Non-adherence to medications following pediatric liver transplantation. [Electronic version]. *Pediatric Transplantation*, 8(6): 600–605.
- Uphold C.R. & Graham, M.R. (2003) *Clinical guidelines in family practice*, 4th ed. Gainesville, FL: Barmarrae Books.

Ineffective health maintenance behaviors (00292)

- Campbell, J. A., Walker, R. J., & Egged, L. E. (2016). Associations between adverse childhood experiences, high-risk behaviors, and morbidity in adulthood. *American journal of preventive medicine*, 50(3), 344–352.
- Donaldson, M. T., Polusny, M. A., MacLehose, R. F., Goldsmith, E. S., Hagel Campbell, E. M., Miron, L. R., ... Krebs, E. E. (2018). Patterns of conventional and complementary non-pharmacological health practice use by US military veterans: a cross-sectional latent class analysis. *BMC Complementary and Alternative Medicine*, 18(1). doi:10.1186/s12906-018-2313-7
- Fisher, J. (2011) The Four Domains Model: Connecting spirituality, health and well-being. *Religions*, 2: 17–28.
- França MS, Lopes MVO, Frazão CMFQ, Guedes TG, Linhares FMP, Pontes CM. Características da rede social de apoio ineficaz: revisão integrativa. *Rev Gaúcha Enferm*. 2018;39:e20170303
- Frauenfelder F, van Achterberg T, Müller Staub M. Nursing diagnoses related to psychiatric adult inpatient care. *J Clin Nurs*. 2018;27(3–4):e463-e475.
- Frazão CMFQ, Medeiros ABA, Paiva MGMN, Enders BC, Lopes MVO, Lira ALBC. Nursing diagnoses and adaptation problems among chronic renal patients. *Invest Educ Enferm*. 2015;33(1): 119–127
- Gestuvo, M. K. (2012). Health Maintenance in Older Adults: Combining Evidence and Individual Preferences. *Mount Sinai Journal of Medicine: A Journal of Translational and Personalized Medicine*, 79(5), 560–578. doi:10.1002/msj.21340
- Guimarães TMR, Amorim CT, Barbosa EFF, et al. Cuidados de Enfermagem a um Paciente Portador de Tuberculose Pulmonar e Comorbidades: Relato de Caso. *Rev Fund Care Online*. 2018 jul./set.; 10(3):683–689.
- Güler EK, Eşer I, Khorshid L, Yücel SÇ. Nursing diagnoses in elderly residents of a nursing home: a case in Turkey. *Nurs Outlook*. 2012;60(1):21–28.

- Karatas H, Müller-Staub M, Erdemir F. Determination of Nursing Diagnoses in Children of Agricultural Laborer Families in South Eastern Regions of Turkey. *Int J Nurs Knowl*. 2018;29(1):29–37.
- Locke, A., Stoesser, K., Pippitt, K. (2019). Health Maintenance in School-Aged Children: Part II. Counseling Recommendations. *Am Fam Physician*, 100(4), 219–226.
- Lopes EB, Pupulim JSL, Oliva APV. Perfil dos diagnósticos de enfermagem de pacientes internados em unidade de clínica médica. *Cienc Cuid Saude* 2016 Abr/Jun; 15(2): 358–365.
- Martin S, Dyer J. Health maintenance practices and healthcare experiences among international university students. *J Am Assoc Nurse Pract*. 2017;29(11):651–657.
- Martin, S., & Dyer, J. (2017). Health maintenance practices and healthcare experiences among international university students. *Journal of the American Association of Nurse Practitioners*, 29(11), 651–657. doi:10.1002/2327–6924.12524
- Milas, G., Klarić, I. M., Malnar, A., Šupe-Domić, D., & Slavich, G. M. (2019). Socioeconomic status, social-cultural values, life stress, and health behaviors in a national sample of adolescents. *Stress and health*, 35(2), 217–224.
- Moura PC, Braga LM, Domingos CS, Rodrigues NV, Correia MDL, Oliveira LVA. Diagnoses and nursing interventions in hypertensive and diabetic individuals according to Orem's Theory. *Rev Rene*. 2014 Nov-Dec; 15(6):1039–46.
- Novaes ES, Torres MM, Oliva AP. Diagnósticos de enfermagem em clínica cirúrgica. *Acta Paul Enferm*. 2015; 28(1):26–31.
- Olson, J.S., Hummer R.A., & Harris, K.M. (2017). Gender and Health Behavior Clustering among U.S. Young Adults, *Biodemography and Social Biology*, 63:1, 3–20, DOI: 10.1080/19485565.2016.1262238
- Ozkan O, Ozdemir S. Outcomes of Planned Home Visits of Intern Public Health Nurses: An Example from Turkey. *Ann Glob Health*. 2016;82(5):885–896.
- Rada LPVD, González-Suárez M, Duarte-Clímentsa G, Brito-Brito PR. Prescripción de recursos comunitarios para la mejora del autocuidado en enfermedades crónicas. Gestión de un caso clínico en Atención Primaria. *Enferm Clin*. 2014;24(4):254–260
- Rêgo AS, Radovanovic CAT. Adherence of hypertension patients in the Brazil's Family Health Strategy. *Rev Bras Enferm [Internet]*. 2018;71(3):1030–7.
- Reuter, T. R., Newcomb, M. E., Whitton, S. W., & Mustanski, B. (2017). Intimate partner violence victimization in LGBT young adults: Demographic differences and associations with health behaviors. *Psychology of violence*, 7(1), 101.
- Riley, M., Morrison, L., McEvoy, A. (2019). Health Maintenance in School-Aged Children: Part I. History, Physical Examination, Screening, and Immunizations. *Am Fam Physician*, 100(4), 213–218.
- Short, S. E., & Mollborn, S. (2015). Social Determinants and Health Behaviors: Conceptual Frames and Empirical Advances. *Current opinion in psychology*, 5, 78–84. doi:10.1016/j.copsyc.2015.05.002

Ineffective health self-management (00276)

- Adu, M. D., Malabu, U. H., Malau-Aduli, A. E. O., & Malau-Aduli, B. S. (2019). Enablers and barriers to effective diabetes self-management: A multi-national investigation. *PLOS ONE*, 14(6), e0217771. doi:10.1371/journal.pone.0217771 Available From: <http://onlinelibrary.wiley.com/doi/10.1111/2047–3095.12071/full>
- Alvarez JS, Goldraich LA, Nunes AH, Zandavalli MCB, Zandavalli RB, Belli KC, et al. Association between Spirituality and Adherence to Management in Outpatients with

- Heart Failure. *Arq Bras Cardiol* [Internet]. 2016. Available from: <http://www.gnre-search.org/doi/10.5935/abc.20160076>
- Bodenheimer, T. (2002). Patient Self-management of Chronic Disease in Primary Care. *JAMA*, 288(19), 2469. doi:10.1001/jama.288.19.2469.
- Carneiro CS, Oliveira APD, Lopes JL, RN, Bachion MM, Herdman TH, Moorhead SA, Barros ALBL. Outpatient Clinic for Health Education: Contribution to Self-Management and Self-Care for People with Heart Failure. *International Journal of Nursing Knowledge* [Internet]. 2015,v.11(4);
- Carneiro, C. de S., Lopes, C. T., Lopes, J. de L., Santos, V. B., Bachion, M. M., & de Barros, A. L. B. L. (2016). Ineffective Health Management in People With Heart Failure: A Pilot Study. *International Journal of Nursing Knowledge*, 29(1), 11–17. doi:10.1111/2047–3095.12142.
- Champion, V., Skinner, C.S. (2008). The Health Belief Model. In: Glanz K, Rimer B, Viswanath K, editors. *Health behavior and health education*. 4. San Francisco, CA: Jossey-Bass. pp. 45–65.
- Conceição Ana Paula da, Santos Mariana Alvina dos, Santos Bernardo dos, Cruz Diná de Almeida Lopes Monteiro da. Self-care in heart failure patients. *Rev. Latino-Am. Enfermagem* [Internet]. 2015 Aug [cited 2020 June 19]; 23(4): 578–586. doi.org/10.1590/0104–1169.0288.2591.
- Davies, N. J. (2010). Improving self-management for patients with long-term conditions. *Nursing Standard*, 24(25), 49–56. doi:10.7748/ns2010.02.24.25.49.c7562
- Dwarswaard, J., Bakker, E. J., van Staa, A., & Boeije, H. R. (2016). Self-management support from the perspective of patients with a chronic condition: a thematic synthesis of qualitative studies. *Health Expectations*, 19(2), 194–208.
- Gonzalez, J. S., Tanenbaum, M. L., & Commissariat, P. V. (2016). Psychosocial factors in medication adherence and diabetes self-management: Implications for research and practice. *American Psychologist*, 71(7), 539–551. doi:10.1037/a0040388
- Hourzad, A., Pouladi, S., Ostovar, A., & Ravanipour, M. (2018). The effects of an empowering self-management model on self-efficacy and sense of coherence among retired elderly with chronic diseases: a randomized controlled trial. *Clinical Interventions in Aging*, Volume 13, 2215–2224. doi:10.2147/cia.s183276
- Jolly, K., Majothi, S., Sitch, A. J., Heneghan, N. R., Riley, R. D., Moore, D. J., Bates, E. J., Turner, A. M., Bayliss, S. E., Price, M. J., Singh, S. J., Adab, P., Fitzmaurice, D. A., & Jordan, R. E. (2016). Self-management of health care behaviors for COPD: a systematic review and meta-analysis. *International journal of chronic obstructive pulmonary disease*, 11, 305–326. doi:10.2147/COPD.S90812
- Mackey, L.M., Doody, C., Werner, E.L., Fullen, B. (2016). Self-Management Skills in Chronic Disease Management: What Role Does Health Literacy Have? *Med Decis Making*, 36(6), 741–59. Doi: 10.1177/0272989X16638330. Epub 2016 Apr 6.
- Morgan, H. M., Entwistle, V. A., Cribb, A., Christmas, S., Owens, J., Skea, Z. C., & Watt, I. S. (2017). We need to talk about purpose: a critical interpretive synthesis of health and social care professionals' approaches to self-management support for people with long-term conditions. *Health Expectations*, 20(2), 243–259.
- Paiva, M. das G. M. N. de, Tinôco, J. D. de S., Fernandes, M. I. da C. D., Dantas, J. R., Nogueira, I. L. A., Medeiros, A. B. de A., ... Lira, A. L. B. de C. (2018). Ineffective Health Management in Hemodialysis Patients: Diagnostic Accuracy Study. *Clinical Nursing Research*, 105477381775402. doi:10.1177/1054773817754021
- Paiva, M.G.M.N. Tinôco, J.D.S., Silva, F.B.B.L. Dantas, J.R., Lopes, M.V.O., & Lira, A.L. B.C. (2018). Ineffective health management in hemodialysis patients: content analy-

- sis. *Revista Brasileira de Enfermagem*, 71(4), 1825–1831. doi:10.1590/0034-7167-2016-0682
- Pender, N.J. (2011). *Heath Promotion Model Manual*. Michigan, United State: University of Michigan. Available from: https://deepblue.lib.umich.edu/bitstream/handle/2027.42/85350/HEALTH_PROMOTION_MANUAL_Rev_5-2011.pdf
- Silva, R.A.R., Santos, W.N., Souza, F.M.L.C., Santos, R.S.C., Oliveira, I.C., Silva, H.L.L., & Lima, D.M. (2020). Ineffective health control in people living with AIDS: a content analysis. *Acta Paulista de Enfermagem*, 33, 1–11.

Readiness for enhanced health self-management (00293)

- Adu, M. D., Malabu, U. H., Malau-Aduli, A. E. O., & Malau-Aduli, B. S. (2019). Enablers and barriers to effective diabetes self-management: A multi-national investigation. *PLOS ONE*, 14(6), e0217771. doi:10.1371/journal.pone.0217771 Available: <http://onlinelibrary.wiley.com/doi/10.1111/2047-3095.12071/full>
- Araújo, Márcio Flávio Moura de, Alencar, Ana Maria Parente Garcia, Araújo, Thiago Moura de, Damasceno, Marta Maria Coelho, Caetano, Joselany Áfio, Ximenes, Lorena Barbosa, & Viera, Neiva Francenely da Cunha. (2012). Readiness for enhanced self-health management among people with diabetes mellitus. *Acta Paulista de Enfermagem*, 25(1), 133–139. doi:10.1590/S0103-21002012000100023
- Bodenheimer, T. (2002). Patient Self-management of Chronic Disease in Primary Care. *JAMA*, 288(19), 2469. doi:10.1001/jama.288.19.2469.
- Champion, V., Skinner, C.S. (2008). The Health Belief Model. In: Glanz K, Rimer B, Viswanath K, editors. *Health behavior and health education*. 4. San Francisco, CA: Jossey-Bass. pp. 45–65.
- Davies, N. J. (2010). Improving self-management for patients with long-term conditions. *Nursing Standard*, 24(25), 49–56. doi:10.7748/ns2010.02.24.25.49.c7562
- Dwarswaard, J., Bakker, E. J., van Staa, A., & Boeije, H. R. (2016). Self-management support from the perspective of patients with a chronic condition: a thematic synthesis of qualitative studies. *Health Expectations*, 19(2), 194–208.
- Hourzad, A., Pouladi, S., Ostovar, A., & Ravanipour, M. (2018). The effects of an empowering self-management model on self-efficacy and sense of coherence among retired elderly with chronic diseases: a randomized controlled trial. *Clinical Interventions in Aging*, Volume 13, 2215–2224. doi:10.2147/cia.s183276
- Pender, N.J. (2011). *Heath Promotion Model Manual*. Michigan, United State: University of Michigan. Available: https://deepblue.lib.umich.edu/bitstream/handle/2027.42/85350/HEALTH_PROMOTION_MANUAL_Rev_5-2011.pdf

Ineffective family health self-management (00294)

- Andrade GB, Pedrosa VSM, Weykamp JM, et al. Palliative Care and the Importance of Communication Between Nurse and Patient, Family and Caregiver. *Rev Fund Care Online*.2019. Apr./Jul.; 11(3):713–717. DOI: <http://dx.doi.org/10.9789/2175-5361.2019.v11i3.713-717>
- Bellato, Roseney, Araújo, Laura Filomena Santos de, Dolina, Janderléia Valéria, Musquim, Cleciene dos Anjos, & Corrêa, Geovana Hagata de Lima Souza Thaines. (2016). The family experience of care in chronic situation. *Revista da Escola de Enfermagem da USP*, 50(spe), 81–88. doi:10.1590/S0080-623420160000300012
- Chen JY. Mediators affecting family function in families of children with Duchenne muscular dystrophy. *Kaohsiung J Med Sci*. 2008;24(10):514–522. doi:10.1016/S1607-551X(09)70010-5.

- Choi H. Adaptation in Families of Children with Down Syndrome: A Mixed-methods Design. *J Korean Acad Nurs*. 2015;45(4):501–512. doi:10.4040/jkan.2015.45.4.501
- Coyne E, Wollin J, Creed DK. Exploration of the family's role and strengths after a young woman is diagnosed with breast cancer: views of women and their families. *Eur J Oncol Nurs*. 2012;16(2):124–130. doi:10.1016/j.ejon.2011.04.013
doi:10.1017/S1041610217000862
- Everhart, R. S., Miller, S., Leibach, G. G., Dahl, A. L., & Koinis-Mitchell, D. (2017). Caregiver Asthma in Urban Families. *The Journal of School Nursing*, 34(2), 108–113. doi:10.1177/1059840516689326
- França MS, Lopes MVO, Frazão CMFQ, Guedes TG, Linhares FMP, Pontes CM. Characteristics of the ineffective social support network: integrative review. *Rev Gaúcha Enferm*. 2018;39:e20170303 doi:10.1590/1983–1447.2018.20170303.
- Grey, M., Knafl, K., & McCorkle, R. (2006). A framework for the study of self- and family management of chronic conditions. *Nursing Outlook*, 54(5), 278–286. doi:10.1016/j.outlook.2006.06.004
- Karanci NA, Gök AC, Yıldırım B, Borhan N. Social support perceptions of Turkish people with schizophrenia: What helps and what doesn't help. *Int J Soc Psychiatry*. 2017;63(7):657–665. doi:10.1177/0020764017726931
- Knafl, K., Deatrick, J. A., & Gallo, A. M. (2008). The Interplay of Concepts, Data, and Methods in the Development of the Family Management Style Framework. *Journal of Family Nursing*, 14(4), 412–428. doi:10.1177/1074840708327138
- Lerret, S. M., White-Traut, R., Medoff-Cooper, B., Simpson, P., Adib, R., Ahamed, S. I., & Schiffman, R. (2020). Pilot study protocol of a mHealth self-management intervention for family members of pediatric transplant recipients. *Research in Nursing & Health*. doi:10.1002/nur.22010
- Mendes LC, Sousa VEC, Lopes MVO. Accuracy of diagnosis of the defining characteristics of ineffective family therapeutic regimen management. *Acta paul. enferm.* [online] 2011; 24(2):219–224. doi:10.1590/S0103–21002011000200010.
- Montefusco SRA, Bachion MM, Carvalho EC, Munari DB. Comunicação verbal prejudicada da família: evidenciando a necessidade de desenvolver um novo diagnóstico de enfermagem. *Cienc Cuid Saude* 2009 Out/Dez; 8(4):622–629. doi:10.4025/cienc-cuidsaude.v8i4.9691
- Rodgers CC, Laing CM, Herring RA, et al. Understanding Effective Delivery of Patient and Family Education in Pediatric Oncology. A Systematic Review From the Children's Oncology Group. *J Pediatr Oncol Nurs*. 2016;33(6):432–446. doi:10.1177/1043454216659449
- Rogers K, Coleman H, Brodtmann A, Darby D, Anderson V. Family members' experience of the pre-diagnostic phase of dementia: a synthesis of qualitative evidence. *Int Psychogeriatr*. 2017; 29(9):1425–1437.
- Ryan, P., & Sawin, K. J. (2009). The Individual and Family Self-Management Theory: Background and perspectives on context, process, and outcomes. *Nursing Outlook*, 57(4), 217–225.e6. doi:10.1016/j.outlook.2008.10.004
- Weng HJ, Niu DM, Turale S, et al. Family caregiver distress with children having rare genetic disorders: a qualitative study involving Russell-Silver Syndrome in Taiwan. *J Clin Nurs*. 2012;21(1–2):160–169. doi:10.1111/j.1365–2702.2010.03583.x
- Young, C. C., Sagna, A. O., Monge, M., & Rew, L. (2019). A Theoretically Grounded Exploration of Individual and Family Self-Management of Polycystic Ovary Syndrome in Adolescents. *Comprehensive Child and Adolescent Nursing*, 1–15. doi:10.1080/24694193.2019.1679278

Ineffective home maintenance behaviors (00300)

- Cheng, C., Chi, N., Williams, E., & Thompson, H. J. (2018). Examining age-related differences in functional domain impairment following traumatic brain injury. *International Journal of Older People Nursing*. 2018 Dec;13(4):e12208.
- Coleman, T., Kearns, R. A., & Wiles, J. (2016). Older adults' experiences of home maintenance issues and opportunities to maintain ageing in place. *Housing Studies*, 31(8), 964–983. doi:10.1080/02673037.2016.1164834
- Fausset, C. B., Kelly, A. J., Rogers, W. A., & Fisk, A. D. (2011). Challenges to Aging in Place: Understanding Home Maintenance Difficulties. *Journal of Housing For the Elderly*, 25(2), 125–141. doi:10.1080/02763893.2011.571105
- Fausset, C. B., Mayer, A. K., Rogers, W. A., & Fisk, A. D. (2009). Understanding Aging in Place for Older Adults: A Needs Analysis. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 53(8), 521–525. doi:10.1177/154193120905300808
- Jiang, C., & Xu, Y. (2014). The association between mild cognitive impairment and doing housework. *Aging & Mental Health*, 18(2), 212–216. doi:10.1080/13607863.2013.823376
- Kelly, A. J., Fausset, C. B., Rogers, W., & Fisk, A. D. (2014). Responding to Home Maintenance Challenge Scenarios. *Journal of Applied Gerontology*, 33(8), 1018–1042. doi:10.1177/0733464812456631
- Lapierre, T. A., & Keating, N. (2013). Characteristics and contributions of non-kin carers of older people: a closer look at friends and neighbours. *Ageing & Society*, 33(8), 1442–1468. doi:10.1017/S0144686X12000736
- Morris, E. A. (2018). Is a Fixer-Upper Actually a Downer? Homeownership, Gender, Work on the Home, and Subjective Well-being. *Housing Policy Debate*, 28(3), 342–367. doi:10.1080/10511482.2017.1367317
- Orellano-Colón E., Mountain G., Rosario M., Colón Z., Acevedo S., Tirado J. Environmental Restrictors to Occupational Participation in Old Age: Exploring Differences across Gender in Puerto Rico. *International Journal of Environmental Research and Public Health*. 2015;12(9):11288–303, doi: 10.3390/ijerph120911288.
- Tavares Jomar, R., Anselmo Furtado Gomes, R., Carvalho Leite, D., Ferraz Gomes, H., Peres, E. M., & Fuentes Perez Junior, E. (2017). Nursing diagnoses in adult/elderly patients undergoing outpatient antineoplastic chemotherapy: a review. *Ecancermedi-calscience*, 11. doi:10.3332/ecancer.2017.736

Risk for ineffective home maintenance behaviors (00308)

- Cheng, C., Chi, N., Williams, E., & Thompson, H. J. (2018). Examining age-related differences in functional domain impairment following traumatic brain injury. *International Journal of Older People Nursing*. 2018 Dec;13(4):e12208.
- Coleman, T., Kearns, R. A., & Wiles, J. (2016). Older adults' experiences of home maintenance issues and opportunities to maintain ageing in place. *Housing Studies*, 31(8), 964–983. doi:10.1080/02673037.2016.1164834
- Fausset, C. B., Kelly, A. J., Rogers, W. A., & Fisk, A. D. (2011). Challenges to Aging in Place: Understanding Home Maintenance Difficulties. *Journal of Housing For the Elderly*, 25(2), 125–141. doi:10.1080/02763893.2011.571105
- Fausset, C. B., Mayer, A. K., Rogers, W. A., & Fisk, A. D. (2009). Understanding Aging in Place for Older Adults: A Needs Analysis. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 53(8), 521–525. doi:10.1177/154193120905300808

- Jiang, C., & Xu, Y. (2014). The association between mild cognitive impairment and doing housework. *Aging & Mental Health*, 18(2), 212–216. doi:10.1080/13607863.2013.823376
- Kelly, A. J., Fausset, C. B., Rogers, W., & Fisk, A. D. (2014). Responding to Home Maintenance Challenge Scenarios. *Journal of Applied Gerontology*, 33(8), 1018–1042. doi:10.1177/0733464812456631
- Lapierre, T. A., & Keating, N. (2013). Characteristics and contributions of non-kin carers of older people: a closer look at friends and neighbours. *Ageing & Society*, 33(8), 1442–1468. doi:10.1017/S0144686X12000736
- Morris, E. A. (2018). Is a Fixer-Upper Actually a Downer? Homeownership, Gender, Work on the Home, and Subjective Well-being. *Housing Policy Debate*, 28(3), 342–367. doi:10.1080/10511482.2017.1367317
- Orellano-Colón E., Mountain G., Rosario M., Colón Z., Acevedo S., Tirado J. Environmental Restrictors to Occupational Participation in Old Age: Exploring Differences across Gender in Puerto Rico. *International Journal of Environmental Research and Public Health*. 2015;12(9):11288–303, doi: 10.3390/ijerph120911288.
- Tavares Jomar, R., Anselmo Furtado Gomes, R., Carvalho Leite, D., Ferraz Gomes, H., Peres, E. M., & Fuentes Perez Junior, E. (2017). Nursing diagnoses in adult/elderly patients undergoing outpatient antineoplastic chemotherapy: a review. *Ecancermedicalscience*, 11. doi:10.3332/ecancer.2017.736

Readiness for enhanced home maintenance behaviors (00309)

- Cheng, C., Chi, N., Williams, E., & Thompson, H. J. (2018). Examining age-related differences in functional domain impairment following traumatic brain injury. *International Journal of Older People Nursing*. 2018 Dec;13(4):e12208.
- Coleman, T., Kearns, R. A., & Wiles, J. (2016). Older adults' experiences of home maintenance issues and opportunities to maintain ageing in place. *Housing Studies*, 31(8), 964–983. doi:10.1080/02673037.2016.1164834
- Fausset, C. B., Kelly, A. J., Rogers, W. A., & Fisk, A. D. (2011). Challenges to Aging in Place: Understanding Home Maintenance Difficulties. *Journal of Housing For the Elderly*, 25(2), 125–141. doi:10.1080/02763893.2011.571105
- Fausset, C. B., Mayer, A. K., Rogers, W. A., & Fisk, A. D. (2009). Understanding Aging in Place for Older Adults: A Needs Analysis. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 53(8), 521–525. doi:10.1177/154193120905300808
- Jiang, C., & Xu, Y. (2014). The association between mild cognitive impairment and doing housework. *Aging & Mental Health*, 18(2), 212–216. doi:10.1080/13607863.2013.823376
- Kelly, A. J., Fausset, C. B., Rogers, W., & Fisk, A. D. (2014). Responding to Home Maintenance Challenge Scenarios. *Journal of Applied Gerontology*, 33(8), 1018–1042. doi:10.1177/0733464812456631
- Lapierre, T. A., & Keating, N. (2013). Characteristics and contributions of non-kin carers of older people: a closer look at friends and neighbours. *Ageing & Society*, 33(8), 1442–1468. doi:10.1017/S0144686X12000736
- Morris, E. A. (2018). Is a Fixer-Upper Actually a Downer? Homeownership, Gender, Work on the Home, and Subjective Well-being. *Housing Policy Debate*, 28(3), 342–367. doi:10.1080/10511482.2017.1367317
- Orellano-Colón E., Mountain G., Rosario M., Colón Z., Acevedo S., Tirado J. Environmental Restrictors to Occupational Participation in Old Age: Exploring Differences

across Gender in Puerto Rico. *International Journal of Environmental Research and Public Health*. 2015;12(9):11288–303, doi: 10.3390/ijerph120911288.

Tavares Jomar, R., Anselmo Furtado Gomes, R., Carvalho Leite, D., Ferraz Gomes, H., Peres, E. M., & Fuentes Perez Junior, E. (2017). Nursing diagnoses in adult/elderly patients undergoing outpatient antineoplastic chemotherapy: a review. *Ecancermedicalscience*, 11. doi:10.3332/ecancer.2017.736

Ineffective protection (00043)

Calegari IB, Cordeiro ALPC, Stacciarini TSG, Ferreira LA. Diagnósticos de Enfermagem em Pacientes Oncohematológicos submetidos a Tratamento Quimioterápico. *Rev Enferm Atenção Saúde*. 2018;7(3):102–15.

Jesus CAC, Carvalho EC. Diagnósticos de enfermagem em clientes com alterações hematológicas: uso da taxonomia I da NANDA. *Rev Latino-Am Enfermagem*. 1997;5(4):91–9.

Miranda SPL. Diagnósticos de Enfermagem em clientes oncológicos críticos em cuidados paliativos fundamentados na teoria do alcance de metas de King. 2015. 152p. Dissertação (Mestrado) Departamento de Enfermagem, Faculdade de Ciências da Saúde, Universidade de Brasília, Brasília, 2015.

Nunes MM, Leandro TA, Lopes MVO, Silva VM. Indicadores clínicos do diagnóstico de enfermagem: proteção ineficaz em adolescentes com câncer. *Rev Bras Enferm*. 2017;70(6):1401–7.

Nunes MM, Lopes MVO, Silva VM, Leandro TA, Fróes NBM, Almeida AAP, et al. Validation of Clinical Indicators of the Nursing Diagnosis of Ineffective Protection in Adolescents with Cancer. *J Pediatr Nurs*. 2018;42:58–65.

Sheppard KC. Validation of the nursing diagnosis alterations in protective mechanisms. In: Carroll-Johnson RM. *Classification of nursing diagnoses: proceedings of the eighth conference*. Philadelphia: J. B. Lippincott Company; 1988.

Sousa RM, Santo FHE, Santana RF, Lopes MVO. Diagnósticos de enfermagem identificados em pacientes onco-hematológicos: mapeamento cruzado. *Esc Anna Nery*. 2015;19(1):54–65.

2 Domain 2. Nutrition

2.1 Class 1. Ingestion

Imbalanced nutrition: less than body requirements (00002)

- Bhutta, Z. A., Berkley, J. A., Bandsma, R., Kerac, M., Trehan, I., & Briend, A. (2017). Severe childhood malnutrition. *Nature reviews. Disease primers*, 3, 17067. doi:10.1038/nrdp.2017.67
- Charalambous M, Raftopoulos V, Lambrinou E, Charalambous A. The effectiveness of honey for the management of radiotherapy-induced oral mucositis in head and neck cancer patients: A systematic review of clinical trials. *Eur J Integr Med*. 2012;5 (3):217–25. doi:10.1016/j.eujim.2013.01.003
- Charalambous M, Raftopoulos V, Paikousis L, Katodritis N, Lambrinou E, Vomvas D, et al. The effect of the use of thyme honey in minimizing radiation-induced oral mucositis in head and neck cancer patients: A randomized controlled trial. *Eur J Oncol Nurs*. 2018;34:89–97. doi:10.1016/j.ejon.2018.04.003
- Joventino ES, Ximenes LB, da Penha JC, Andrade LCO, de Almeida PC. The use of educational video to promote maternal self-efficacy in preventing early childhood diarrhoea. *Int J Nurs Pract*. 2017;23:e12524. doi:10.1111/ijn.12524
- Khanal B, Baliga M, Uppal N. Effect of Topical Honey on Limitation of Radiation-Induced Oral Mucositis: An Intervention Study. *Int J Oral Maxillofac Surg*. 2010;39 (12):1181–5. doi: 10.1016/j.ijom.2010.05.014.
- Nikoletti S, Hyde S, Shaw T, Myers H, Kristjanson LJ. Comparison of plain ice and flavoured ice for preventing oral mucositis associated with the use of 5 fluorouracil. *J Clin Nurs*. 2005;14(6):750–3. doi: 10.1111/j.1365–2702.2005.01156.x
- Noll, M., de Mendonça, C. R., de Souza Rosa, L. P., & Silveira, E. A. (2017). Determinants of eating patterns and nutrient intake among adolescent athletes: a systematic review. *Nutrition journal*, 16(1), 46. doi:10.1186/s12937–017–0267–0
- Raheem RA, Binns CW, Chih HJ. Protective effects of breastfeeding against acute respiratory tract infections and diarrhoea: Findings of a cohort study. *J Paediatric & Child Care*. 2017;53:271–6. doi: 10.1111/jpc.13480
- Vaajoki A, Pietilä AM, Kankkunen P, Vehviläinen-Julkunen K. Effects of listening to music on pain intensity and pain distress after surgery: an intervention. *J Clin Nurs*. 2012 Mar;21(5–6):708–17. doi: 10.1111/j.1365–2702.2011.03829.x
- van der Meulen IC, May AM, Ros WJG, Oosterom M, Hordijk GJ, Koole L, et al. One-Year Effect of a Nurse-Led Psychosocial Intervention on Depressive Symptoms in Patients With Head and Neck Cancer: A Randomized Controlled Trial. *Oncologist*. 2013;18(3):336–44. doi: 10.1634/theoncologist.2012–0299
- Wright SC, Maree JE, Sibanyoni M. Treatment of Oral Thrush in HIV/AIDS Patients With Lemon Juice and Lemon Grass (*Cymbopogon Citratus*) and Gentian Violet. *Phytomedicine*. 2009;16(2–3):118–24. doi: 10.1016/j.phymed.2008.07.015
- Yang C, Gong G, Jin E, Han X, Zhuo Y, Yang S, et al. Topical Application of Honey in the Management of chemo/radiotherapy-induced Oral Mucositis: A Systematic Review and Network Meta-Analysis. *Int J Nurs Stud*. 2019;89:80–87. doi:10.1016/j.ijnurstu.2018.08.007

Readiness for enhanced nutrition (00163)

None at this time.

Insufficient breast milk production (00216)

- Aragaki, IMM; Silva, IA; Santos, JLF. (2006). Traço e estado de ansiedade de nutrízes com indicadores de hipogalactia e nutrízes com galactia normal. [Trait and state anxiety of nursing mothers with indicators of nursing mothers with insufficient and normal galactic.] *Revista Da Escola De Enfermagem Da U S P*, 40 (3), 396–403.
- Daly, SEJ; Hartmann, PE. (1995). Infant Demand and Milk Supply, Part 1: Infant Demand and Milk Production in Lactating Women. *Journal of Human Lactation*, 11 (1), 21–26.
- Dewey, KG; Nommsen-Rivers, L.A; Heinig, MJ; Cohen, RJ. (2002). Lactogênese and infant weight change in the first weeks of life. *Advances In Experimental Medicine And Biology*, 503,159–66.
- Dewey, KG. (2001). Maternal and fetal stress are associated with impaired lactogenesis in humans. *The Journal of Nutrition*, 131(11), 3012S-5S.
- Dykes, F; Williams, C. (1999). Falling by the wayside: a phenomenological exploration of perceived breast-milk inadequacy in lactating women. *Midwifery*, 15(4), 232–46.
- Hill, PD; Aldag, JC; Chatterton, RT; Zinaman, M. (2005). Psychological distress and milk volume in lactating mothers. *Western Journal of Nursing Research*, 27(6), 676–93, discussion 694–700.
- Milsom, SR; Rabone, DL; Gunn, AJ; Gluckman, PD. (1998). Potential Role for Growth Hormone in Human Lactation insufficiency. *Hormone Research*, 50(3), 147–50 Sep.
- Page-Goertz, S. (2005). Weight gain concerns in the breastfed infant. Maternal factors. *Advance for Nurse Practitioners*, 13(2), 45–8, 72.
- Powers, NG. (1999). Slow weight gain and low milk supply in the breastfeeding dyad. *Clinical Perinatology*, 26(2), 399–430.
- Silva, IA. (2000). Enfermagem e aleitamento materno: combinando práticas seculares. [Nursing and breastfeeding: combining secular practices.] *Revista Da Escola De Enfermagem Da U S P*, 34(4), 362–9.
- Sievers, E; Haase, S; Oldigs, HD; Schaub, J. (2003). The impact of peripartum factors on the onset and duration of lactation. *Biology of the Neonate*, 83(4), 246–52.
- World Health Organization/Division of. Diarrhoeal and Acute Respiratory Disease Control. (1996). Not enough milk. Update 1996; 21
- Winberg, J. (2002). Breastfeeding - an evolutionary and neuroendocrine perspective. *Advances in Experimental Medicine And Biology*, 503, 149–57.
- Zeitlyn, S; Rowshan, R. (1997). Privileged knowledge and mothers perceptions: the case of breast-feeding and insufficient milk in Bangladesh. *Medical Anthropology Quarterly*, 11(1), 56–68.

Ineffective breastfeeding (00104)

- Bai DL, Fong DY, Tarrant M. Factors associated with breastfeeding duration and exclusivity in mothers returning to paid employment postpartum. *Matern Child Health J*. 2015; 19(5):990–999
- Dozier AM, Howard CR, Brownell EA, et al. Labor epidural anesthesia, obstetric factors and breastfeeding cessation. *Matern Child Health J*. 2013; 17(4):689–698
- Dunn RL, Kalich KA, Henning MJ, Fedrizzi R. Engaging field-based professionals in a

- qualitative assessment of barriers and positive contributors to breastfeeding using the social ecological model. *Matern Child Health J.* 2015; 19(1):6–16
- Hunter L, Magill-Cuerden J. Young mothers' decisions to initiate and continue breastfeeding in the UK: tensions inherent in the paradox between being, but not being able to be seen to be, a good mother. *Evidence Based Midwifery.* 2014; 12(2):46–51
- Leeming D, Williamson I, Lyttle S, Johnson S. Socially sensitive lactation: exploring the social context of breastfeeding. *Psychol Health.* 2013; 28(4):450–468
- Leurer MD, Misskey E. “Be positive as well as realistic”: a qualitative description analysis of information gaps experienced by breastfeeding mothers. *Int Breastfeed J.* 2015; 10(1):1–11
- McGovern T. The challenges of breastfeeding twins. *Nurs N Z.* 2014; 20(11):26–27, 44
- Nesbitt SA, Campbell KA, Jack SM, Robinson H, Piehl K, Bogdan JC. Canadian adolescent mothers' perceptions of influences on breastfeeding decisions: a qualitative descriptive study. *BMC Pregnancy Childbirth.* 2012; 12(1):149
- Renfrew MJ, Dyson L, McCormick F, et al. Breastfeeding promotion for infants in neonatal units: a systematic review. *Child Care Health Dev.* 2010; 36(2):165–178
- Thompson LA, Zhang S, Black E, et al. The association of maternal pre-pregnancy body mass index with breastfeeding initiation. *Matern Child Health J.* 2013; 17(10):1842–1851
- Todd DA, Hogan MJ. Tongue-tie in the newborn: early diagnosis and division prevents poor breastfeeding outcomes. *Breastfeed Rev.* 2015; 23(1):11–16
- Tucker CM, Wilson EK, Samandari G. Infant feeding experiences among teen mothers in North Carolina: Findings from a mixed-methods study. *Int Breastfeed J.* 2011; 6(1):14
- Weber D, Janson A, Nolan M, Wen LM, Rissel C. Female employees' perceptions of organisational support for breastfeeding at work: findings from an Australian health service workplace. *Int Breastfeed J.* 2011; 6(1):19

Interrupted breastfeeding (00105)

- Bai DL, Fong DY, Tarrant M. Factors associated with breastfeeding duration and exclusivity in mothers returning to paid employment postpartum. *Matern Child Health J.* 2015; 19(5):990–999
- Dozier AM, Howard CR, Brownell EA, et al. Labor epidural anesthesia, obstetric factors and breastfeeding cessation. *Matern Child Health J.* 2013; 17(4):689–698
- Dunn RL, Kalich KA, Henning MJ, Fedrizzi R. Engaging field-based professionals in a qualitative assessment of barriers and positive contributors to breastfeeding using the social ecological model. *Matern Child Health J.* 2015; 19(1):6–16
- Hunter L, Magill-Cuerden J. Young mothers' decisions to initiate and continue breastfeeding in the UK: tensions inherent in the paradox between being, but not being able to be seen to be, a good mother. *Evidence Based Midwifery.* 2014; 12(2):46–51
- Leeming D, Williamson I, Lyttle S, Johnson S. Socially sensitive lactation: exploring the social context of breastfeeding. *Psychol Health.* 2013; 28(4):450–468
- Leurer MD, Misskey E. “Be positive as well as realistic”: a qualitative description analysis of information gaps experienced by breastfeeding mothers. *Int Breastfeed J.* 2015; 10(1):1–11
- McGovern T. The challenges of breastfeeding twins. *Nurs N Z.* 2014; 20(11):26–27, 44
- Nesbitt SA, Campbell KA, Jack SM, Robinson H, Piehl K, Bogdan JC. Canadian adolescent mothers' perceptions of influences on breastfeeding decisions: a qualitative descriptive study. *BMC Pregnancy Childbirth.* 2012; 12(1):149

- Renfrew MJ, Dyson L, McCormick F, et al. Breastfeeding promotion for infants in neonatal units: a systematic review. *Child Care Health Dev.* 2010; 36(2):165–178
- Thompson LA, Zhang S, Black E, et al. The association of maternal pre-pregnancy body mass index with breastfeeding initiation. *Matern Child Health J.* 2013; 17(10): 1842–1851
- Todd DA, Hogan MJ. Tongue-tie in the newborn: early diagnosis and division prevents poor breastfeeding outcomes. *Breastfeed Rev.* 2015; 23(1):11–16
- Tucker CM, Wilson EK, Samandari G. Infant feeding experiences among teen mothers in North Carolina: Findings from a mixed-methods study. *Int Breastfeed J.* 2011; 6(1):14
- Weber D, Janson A, Nolan M, Wen LM, Rissel C. Female employees' perceptions of organisational support for breastfeeding at work: findings from an Australian health service workplace. *Int Breastfeed J.* 2011; 6(1):19

Readiness for enhanced breastfeeding (00106)

- Bai DL, Fong DY, Tarrant M. Factors associated with breastfeeding duration and exclusivity in mothers returning to paid employment postpartum. *Matern Child Health J.* 2015; 19(5):990–999
- Dozier AM, Howard CR, Brownell EA, et al. Labor epidural anesthesia, obstetric factors and breastfeeding cessation. *Matern Child Health J.* 2013; 17(4):689–698
- Dunn RL, Kalich KA, Henning MJ, Fedrizzi R. Engaging field-based professionals in a qualitative assessment of barriers and positive contributors to breastfeeding using the social ecological model. *Matern Child Health J.* 2015; 19(1):6–16
- Hunter L, Magill-Cuerden J. Young mothers' decisions to initiate and continue breastfeeding in the UK: tensions inherent in the paradox between being, but not being able to be seen to be, a good mother. *Evidence Based Midwifery.* 2014; 12(2):46–51
- Leeming D, Williamson I, Lyttle S, Johnson S. Socially sensitive lactation: exploring the social context of breastfeeding. *Psychol Health.* 2013; 28(4):450–468
- Leurer MD, Misskey E. "Be positive as well as realistic": a qualitative description analysis of information gaps experienced by breastfeeding mothers. *Int Breastfeed J.* 2015; 10(1):1–11
- McGovern T. The challenges of breastfeeding twins. *Nurs N Z.* 2014; 20(11):26–27, 44
- Nesbitt SA, Campbell KA, Jack SM, Robinson H, Piehl K, Bogdan JC. Canadian adolescent mothers' perceptions of influences on breastfeeding decisions: a qualitative descriptive study. *BMC Pregnancy Childbirth.* 2012; 12(1):149
- Renfrew MJ, Dyson L, McCormick F, et al. Breastfeeding promotion for infants in neonatal units: a systematic review. *Child Care Health Dev.* 2010; 36(2):165–178
- Thompson LA, Zhang S, Black E, et al. The association of maternal pre-pregnancy body mass index with breastfeeding initiation. *Matern Child Health J.* 2013; 17(10): 1842–1851
- Todd DA, Hogan MJ. Tongue-tie in the newborn: early diagnosis and division prevents poor breastfeeding outcomes. *Breastfeed Rev.* 2015; 23(1):11–16
- Tucker CM, Wilson EK, Samandari G. Infant feeding experiences among teen mothers in North Carolina: Findings from a mixed-methods study. *Int Breastfeed J.* 2011; 6(1):14
- Weber D, Janson A, Nolan M, Wen LM, Rissel C. Female employees' perceptions of organisational support for breastfeeding at work: findings from an Australian health service workplace. *Int Breastfeed J.* 2011; 6(1):19

Ineffective adolescent eating dynamics (00269)

- Ata RN, Bryant Ludden A, Lally MM. The effects of gender and family, friend, and media influences on eating behaviors and body image during adolescence. *J Youth Adolesc.* 2007; 36(8):1024–1037
- Barker ET, Bornstein MH. Global self-esteem, appearance satisfaction and self-reported dieting in early adolescence. *J Early Adolesc.* 2010; 30(2):205–224
- Barker ET, Galambos NL. Body dissatisfaction of adolescent girls and boys: risk and resource factors. *J Early Adolesc.* 2003; 23(2):141–165
- Berge JM, Loth K, Hanson C, Croll-Lampert J, Neumark-Sztainer D. Family life cycle transitions and the onset of eating disorders: a retrospective grounded theory approach. *J Clin Nurs.* 2011:1–9
- Ebbeling CB, Sinclair KB, Pereira MA, Garcia-Lago E, Feldman HA, Ludwig DS. Compensation for energy intake from fast food among overweight and lean adolescents. *JAMA.* 2004; 291(23):2828–2833
- Franklin L, Rodger S. Parents' perspectives on feeding medically compromised children: implications for occupational therapy. *Aust Occup Ther J.* 2003; 50(3):137–147
- Gardner RM, Stark K, Friedman BN, Jackson NA. Predictors of eating disorder scores in children ages 6 through 14: a longitudinal study. *J Psychosom Res.* 2000; 49(3):199–205
- Hilbert A, Tuschen-Caffier B, Czaja J. Eating behavior and familial interactions of children with loss of control eating: a laboratory test meal study. *Am J Clin Nutr.* 2010; 91(3):510–518
- Krall JS, Lohse B. Validation of a measure of the Satter eating competence model with low-income females. *Int J Behav Nutr Phys Act.* 2011; 8:26
- Moens E, Braet C, Soetens B. Observation of family functioning at mealtime: a comparison between families of children with and without overweight. *J Pediatr Psychol.* 2007; 32(1):52–63
- Neumark-Sztainer D, Wall M, Guo J, Story M, Haines J, Eisenberg M. Obesity, disordered eating, and eating disorders in a longitudinal study of adolescents: how do dieters fare 5 years later?. *J Am Diet Assoc.* 2006; 106(4):559–568
- Olson CM, Bove CF, Miller EO. Growing up poor: long-term implications for eating patterns and body weight. *Appetite.* 2007; 49(1):198–207
- Satter EM. *Your Child's Weight: Helping Without Harming: Birth through Adolescence.* Madison, WI: Kelcy Press; 2005:408
- Satter E. Eating competence: definition and evidence for the Satter Eating Competence model. *J Nutr Educ Behav.* 2007; 39(5) Suppl:S142–S153
- Satter E. Eating competence: nutrition education with the Satter Eating Competence Model. *J Nutr Educ Behav.* 2007; 39(5) Suppl:S189–S194
- Treuer T, Koperdák M, Rózsa S, Füredi J. The impact of physical and sexual abuse on body image in eating disorders. *Eur Eat Disord Rev.* 2005; 13(2):106–111
- Wallis DJ, Hetherington MM. Emotions and eating. Self-reported and experimentally induced changes in food intake under stress. *Appetite.* 2009; 52(2):355–362

Ineffective child eating dynamics (00270)

- Berge JM, Loth K, Hanson C, Croll-Lampert J, Neumark-Sztainer D. Family life cycle transitions and the onset of eating disorders: a retrospective grounded theory approach. *J Clin Nurs.* 2011:1–9
- Bowyer C. Around the table. *Psychoanal Psychother.* 2009; 23(1):41–60

- Franklin L, Rodger S. Parents' perspectives on feeding medically compromised children: implications for occupational therapy. *Aust Occup Ther J.* 2003; 50(3):137–147
- Hilbert A, Tuschen-Caffier B, Czaja J. Eating behavior and familial interactions of children with loss of control eating: a laboratory test meal study. *Am J Clin Nutr.* 2010; 91(3):510–518
- Krall JS, Lohse B. Validation of a measure of the Satter eating competence model with low-income females. *Int J Behav Nutr Phys Act.* 2011; 8:26
- Krisberg K. Food marketing toward youth contributing to unhealthy choices. *Nations Health.* 2006; 36(1):19
- Kyung ER. Parenting styles and overweight status in first grade. *Pediatrics.* 2006; 112(6):2074–2054
- Moens E, Braet C, Soetens B. Observation of family functioning at mealtime: a comparison between families of children with and without overweight. *J Pediatr Psychol.* 2007; 32(1):52–63
- Neumark-Sztainer D, Wall M, Guo J, Story M, Haines J, Eisenberg M. Obesity, disordered eating, and eating disorders in a longitudinal study of adolescents: how do dieters fare 5 years later? *J Am Diet Assoc.* 2006; 106(4):559–568
- Olson CM, Bove CF, Miller EO. Growing up poor: long-term implications for eating patterns and body weight. *Appetite.* 2007; 49(1):198–207
- Olstad DL, McCargar L. Prevention of overweight and obesity in children under the age of 6 years. *Appl Physiol Nutr Metab.* 2009; 34(4):551–570
- Satter E. Eating competence: nutrition education with the Satter Eating Competence Model. *J Nutr Educ Behav.* 2007; 39(5) Suppl:S189–S194
- Satter E. Eating competence: definition and evidence for the Satter Eating Competence model. *J Nutr Educ Behav.* 2007; 39(5) Suppl:S142–S153
- Summerbell CD. The identification of effective programs to prevent and treat overweight preschool children. *Obesity (Silver Spring).* 2007; 15(6):1341–1342

Ineffective infant feeding dynamics (00271)

- Understanding Hidden Sensory Challenges. Los Angeles, CA: Western Psychological Association; 2005
- Berge JM, Loth K, Hanson C, Croll-Lampert J, Neumark-Sztainer D. Family life cycle transitions and the onset of eating disorders: a retrospective grounded theory approach. *J Clin Nurs.* 2011:1–9
- Bowyer C. Around the table. *Psychoanal Psychother.* 2009; 23(1):41–60
- Franklin L, Rodger S. Parents' perspectives on feeding medically compromised children: implications for occupational therapy. *Aust Occup Ther J.* 2003; 50(3):137–147.
- Hilbert A, Tuschen-Caffier B, Czaja J. Eating behavior and familial interactions of children with loss of control eating: a laboratory test meal study. *Am J Clin Nutr.* 2010; 91(3):510–518
- Krall JS, Lohse B. Validation of a measure of the Satter eating competence model with low-income females. *Int J Behav Nutr Phys Act.* 2011; 8:26
- Krisberg K. Food marketing toward youth contributing to unhealthy choices. *Nations Health.* 2006; 36(1):19
- Kyung ER. Parenting styles and overweight status in first grade. *Pediatrics.* 2006; 112(6):2074–2054

- Moens E, Braet C, Soetens B. Observation of family functioning at mealtime: a comparison between families of children with and without overweight. *J Pediatr Psychol.* 2007; 32(1):52–63
- Neumark-Sztainer D, Wall M, Guo J, Story M, Haines J, Eisenberg M. Obesity, disordered eating, and eating disorders in a longitudinal study of adolescents: how do dieters fare 5 years later? *J Am Diet Assoc.* 2006; 106(4):559–568
- Olson CM, Bove CF, Miller EO. Growing up poor: long-term implications for eating patterns and body weight. *Appetite.* 2007; 49(1):198–207
- Olstad DL, McCargar L. Prevention of overweight and obesity in children under the age of 6 years. *Appl Physiol Nutr Metab.* 2009; 34(4):551–570
- Satter E. Eating competence: nutrition education with the Satter Eating Competence Model. *J Nutr Educ Behav.* 2007; 39(5) Suppl:S189–S194
- Satter E. Eating competence: definition and evidence for the Satter Eating Competence model. *J Nutr Educ Behav.* 2007; 39(5) Suppl:S142–S153

Obesity (00232)

- Agras, W.S., Hammer, L.D., McNicholas, F., & Kraemer, H.C. (2004). Risk factors for childhood overweight: a prospective study from birth to 9.5 years. *The Journal of Pediatrics*, 145(1), 20–25.
- Anderson, R.E., Crespo, C.J., Bartlett, S.J., Cheskin, L.J., & Pratt, M. (1998). Relationship of physical activity and television watching with body weight and level of fatness among children: results from the Third National Health and Nutrition Examination Survey. *The Journal of the American Medical Association*, 279(12), 938–942.
- Araújo, F.R., Destro, C.D.G., Rosa, C.J., Vaz, R.E.R., Forte, F.J.I., Satie, K.S., et al. (2011). Socioeconomic status as determinant of risk factors for overweight in adolescents. *Ciência & Saúde Coletiva*, 16(10), 4051–4057.
- Barsh, G.S., Farooqi, I.S., & O’Rahilly, S. (2000). Genetics of body-weight regulation. *Nature*, 404(6778), 644–651.
- Beebe, D. W., Lewin, D., Zeller, M., McCabe, M., MacLeod, K., Daniels, S. R., & Amin, R. (2006). Sleep in Overweight Adolescents: Shorter Sleep, Poorer Sleep Quality, Sleepiness, and Sleep-Disordered Breathing. *Journal of Pediatric Psychology*, 32(1), 69–79.
- Bowman, S.A. & Vinyard, B.T. (2004). Fast food consumption of US adults: impact on energy and nutrient intakes and overweight status. *Journal of the American College of Nutrition*, 23(2), 163–168.
- Byers, T., Nestle, M., McTiernan, A., Doyle, C., Currie-Williams, A., Gansler, T., Thun, M., ... American Cancer Society 2001 Nutrition and Physical Activity Guidelines Advisory Committee. (2002). American Cancer Society guidelines on nutrition and physical activity for cancer prevention: reducing the risk of cancer with health food choices and physical activity. *Ca: A Cancer Journal for Clinicians*, 52(2), 92–119.
- Catalano, P.M., Farrell, K., Thomas, A., Huston-Presley, L., Mencia, P., de Mouzon, S. H., & Amini, S.B. (2009). Perinatal risk factors for childhood obesity and metabolic dysregulation. *The American Journal of Clinical Nutrition*, 90(5), 1303–1313.
- Cavill, N., Biddle, S., & Sallis, J.F. (2001). Health enhancing physical activity for young people: statement of the United Kingdom Expert Consensus Conference. *Pediatric Exercise Science*, 13(1), 12–25.
- Chaput, J-P., Leblanc, C., Perusse, L., Despres, J-P., Bouchard, C., & Tremblay, A. (2009). Risk Factors for Adult Overweight and

- Obesity in the Quebec Family Study: Have We Been Barking Up the Wrong Tree? *Obesity*, 17(10), 1964 – 1970.
- Cole, T.J. (2004). Children grow and horses race: is the adiposity rebound a critical period for later obesity? *BMC Pediatrics*, 4, 6. Desai, M.N., Miller, W.C., Staples, B., & Bravender, T. (2008). Risk Factors Associated With Overweight and Obesity in College Students. *Journal of American College Health*, 57(1), 109–114.
- Fares, D., Barbosa, A.R., Borgatto, A.F., Coqueiro, R.S., & Fernandes, M.H. (2012). Fatores associados ao estado nutricional de idosos de duas regiões do Brasil. [Factors associated with nutritional status of the elderly in two regions of Brazil]. *Revista da Associacao Medica Brasileira*, 58(4), 434–441.
- French, S.A., Harnack, L., & Jeffery, R.W. (2000). Fast food restaurant use among women in the Pound of Prevention study: dietary, behavioral and demographic correlates. *International Journal of Obesity*, 24(10), 1353–1359.
- Hawkins, S.S., Cole, T.J., Law, C. & The Millennium Cohort Study Child Health Group (2009). An ecological systems approach to examining risk factors for early childhood overweight: findings from the UK Millennium Cohort Study. *Journal of Epidemiology and Community Health*, 63(2), 147–155.
- Hebebrand, J., Sommerlad, C., Geller, F., Görg, T., & Hinney, A. (2001). The genetics of obesity: practical implications. *International Journal of Obesity*, 25(Suppl. 1), S10–S18.
- Ibáñez, L., de Zegher, F., & Potau, N. (1999). Anovulation after precocious pubarche: early markers and time course in adolescence. *Journal of Clinical Endocrinology and Metabolism*, 84(8), 2691–1695.
- Jeffery, R.W. & French, S.A. (1998). Epidemic obesity in the United States: are fast foods and television viewing contributing? *American Journal of Public Health*, 88(2), 277–280.
- Kant, A.K. & Graubard, B.I. (2004). Eating out in America, 1987 – 2000: trends and nutritional correlates. *Preventive Medicine*, 38(2), 243–249.
- Koplan, J.P., Liverman, C.T. & Kraak, V.I. (Eds.) (2005). Preventing childhood obesity: health in the balance. Washington, DC: National Academies Press
- Krebs, N.F., Jacobson, M.S., & American Academy of Pediatrics. (2003). Prevention of pediatric overweight and obesity. *Pediatrics*, 112(2), 424–430.
- Krebs, N.F., Himes, J. H., Jacobson, D., Nicklas, T.A., Guilday, P., & Styne, D. (2007). Assessment of child and adolescent overweight and obesity. *Pediatrics*, 120(Suppl. 4) S193 –S228.
- Kuczmarski, R.J., Ogden, C.L., Grummer-Strawn, L.M., et al. (2000). CDC growth charts: United States. *Advance Data*, 314, 1–27. Lopes, P.C.S., Prado, S.R., & Colombo, P. (2010). Fatores de risco associados à obesidade e sobrepeso em crianças em idade escolar. [Risk factors associated with obesity and overweight in school children.] *Revista Brasileira de Enfermagem*, 3(1), 73–78.
- Lowry, R., Wechsler, H., Galuska, D.A., Fulton, J.E., & Kann, L. (2002). Television Viewing and its Associations with Overweight, Sedentary Lifestyle, and Insufficient Consumption of Fruits and Vegetables Among US High School Students: Differences by Race, Ethnicity, and Gender. *The Journal of School Health*, 72(10), 413–421.
- Ludwig, D.S., Peterson, K.E., & Gortmaker, S.L. (2001). Relation between consumption of sugar-sweetened drinks and childhood obesity: a prospective, observational analysis. *Lancet*, 357(9255), 505–508.
- Martin, K.S. & Ferris, A.M. (2007). Food Insecurity and Gender are Risk Factors for Obesity. *Journal of Nutrition Education and Behavior*, 39(1), 31–36.

- McCrory, M.A., Fuss, P.J., Hays, N.P., Vinken, A.G., Freenberg, A.S., & Roberts, S.B. (1999). Overeating in America: association between restaurant food consumption and body fatness in healthy adult men and women ages 19 to 80. *Obesity Research*, 7(6), 564–571.
- Moreno, L.A. & Rodriguez, G. (2007). Dietary risk factors for development of childhood obesity. *Current Opinion in Clinical Nutrition & Metabolic Care*, 10(3), 336–341.
- Mushtaq, M.U., Gull, S., Mushtaq, K., Shahid, U., Shad, M.A. & Akram, J. (2011). Dietary behaviors, physical activity and sedentary lifestyle associated with overweight and obesity, and their socio-demographic correlates, among Pakistani primary school children. *International Journal of Behavioral Nutrition and Physical Activity*, 8(1), 130.
- National Association for Sport and Physical Education. (2004). *Physical Activity for Children: A Statement of Guidelines for Children Ages 5 to 12* (2nd Ed.). Reston, VA: National Association for Sport and Physical Education.
- Neumark-Sztainer, D.R., Wall, M.M., Haines, J.I., Story, M.T., Sherwood, N.E., & van den Berg, P.A. (2007). Shared risk and protective factors for overweight and disordered eating in adolescents. *American Journal of Preventive Medicine*, 33(5), 359–369.
- Oken, E., Levitan, E.B., & Gillman, M.W. (2008). Maternal smoking during pregnancy and child overweight. *International Journal of Obesity*, 32(2): 201–210.
- Padez, C., Mourão, I., Moreira, P., & Rosado, V. (2005). Prevalence and risk factors for overweight and obesity in Portuguese children. *Acta Paediatrica*, 94(11), 1550–1557.
- Pereira, M.A., Kartashov, A.I., Ebbeling, C.B., Van, H.L., Slattery, M.L., Jacobs, D.R.J., & Ludwig, D. S. (2005). Fast-food habits, weight gain, and insulin resistance (the CARDIA study): 15-year prospective analysis. *Lancet*, 365(9453), 36–42.
- Poterico, J. A., Bernabé-Ortiz, A., Loret, M. C., & Miranda, J. J. (2012). Asociación entre ver televisión y obesidad en mujeres peruanas. [Association between television viewing and obesity in Peruvian women.] (2012). *Revista de Saúde Pública*, 46(4), 610–616.
- Reilly, J. J., Armstrong, J., Dorosty, A. R., Emmett, P. M., Ness, A., Rogers, I., Steer, C., ... Sherriff, A. (2005). Early life risk factors for obesity in childhood: a cohort study. *British Medical Journal*, 330(7504), 1357.
- Rideout, V.J., Vandewater, V.J., & Wartella, E.A. (2003). *Zero to Six: Electronic Media in the Lives of Infants, Toddlers, and Preschoolers*. Menlo Park, CA: Henry J. Kaiser Family Foundation.
- Robinson, T.N. (1999). Reducing children's television viewing to prevent obesity: a randomized controlled trial. *The Journal of the American Medical Association*, 282 (16), 1561–1567.
- Rosa, M.I., Silva, F.M.L., Girolodi, S.B., Antunes, G.N., & Wendland, E.M. (2011). Prevalência e fatores associados à obesidade em mulheres usuárias de serviços de pronto-atendimento do Sistema Único de Saúde no sul do Brasil. [The prevalence and factors associated with obesity in women attended at First Aid Units of the Unified Health System in southern Brazil.] *Ciência E Saúde Coletiva*, 16(5), 2559–2566.
- Rosenbaum, M., Leibel, R.L., & Hirsch, J. (1997). Obesity. *New England Journal of Medicine*, 337(6), 396–407.
- Shan, X-Y., Xi, B., Cheng, H., Hou, D-Q., Wang, Y., & Mi, J. (2010). Prevalence and behavioral risk factors of overweight and obesity among children aged 2–18 in Beijing, China. *International Journal of Pediatric Obesity*, 5(5), 383–389.

- Stettler, N., Kumanyika, S.K., Katz, S.H., Zemel, B.S., & Stallings, V.A. (2003). Rapid weight gain during infancy and obesity in young adulthood in a cohort of African Americans. *American Journal of Clinical Nutrition*, 77(6), 1374–1378.
- Stettler, N., Stallings, V. A., Troxel, A. B., Zhao, J., Schinnar, R., Nelson, S. E., Ziegler, E. E., ... Strom, B. L. (2005). Weight gain in the first week of life an overweight in adulthood: a cohort study of European American subjects fed infant formula. *Circulation*, 111(15), 1897–1903.
- Strong, W. B., Malina, R. M., Blimkie, C. J., Daniels, S. R., Dishman, R. K., Gutin, B., Hergenroeder, A. C., ... Trudeau, F. (2005). Evidence based physical activity for school-age youth. *The Journal of Pediatrics*, 146(6) 732–737.
- Thibault, H., Contrand, B., Saubusse, E., Baine, M., & Maurice-Tison, S. (2009). Factors for overweight and obesity in French adolescents: activity, sedentary behavior and parental characteristics. *Nutrition*, 26(2), 1–9.
- Thompson, O. M., Ballew, C., Resnicow, K., Must, A., Bandini, L. G., Cyr, H., & Dietz, W. H. (2004). Food purchased away from home as a predictor of change in BMI z-score among girls. *International Journal of Obesity and Related Metabolic Disorders*, 28(2), 282–289.
- Tordoff, M.G. & Alleva, A.M. (1990). Effect of drinking soda sweetened with aspartame or high-fructose corn syrup on food intake and body weight. *The American Journal of Clinical Nutrition*, 51(6), 963–969.
- US Department of Health & Human Services & US Department of Agriculture (2005). *Dietary Guidelines for Americans*, 2005 (6th ed.). Washington, DC: US Government Printing Office.
- US Department of Health & Human Services. (2001). *The Surgeon General's Call to Action to Prevent and Decrease Overweight and Obesity*. Rockville, MD: US Department of Health and Human Services.
- Whitaker, R.C., Wright, J.A., Pepe, M.S., Seidel, K.D. & Dietz, W.H. (1997). Predicting obesity in young adulthood from childhood and parental obesity. *New England Journal of Medicine*, 337(13), 869–873.
- Williams, C.L., Hayman, L.L., Daniels, S.R., Robinson, T.N., Steinberger, J., Paridon, S., & Bazzarre, T. (2002). Cardiovascular health in childhood: a statement for health professionals from the Committee on Atherosclerosis, Hypertension, and Obesity in the Young (AHOY) of the Council on Cardiovascular Disease in the Young. *American Heart Association. Circulation*, 106(1), 143–160.

Overweight (00233)

- Agras, W.S., Hammer, L.D., McNicholas, F., & Kraemer, H.C. (2004). Risk factors for childhood overweight: a prospective study from birth to 9.5 years. *The Journal of Pediatrics*, 145(1), 20–25.
- Anderson, R.E., Crespo, C.J., Bartlett, S.J., Cheskin, L.J., & Pratt, M. (1998). Relationship of physical activity and television watching with body weight and level of fatness among children: results from the Third National Health and Nutrition Examination Survey. *The Journal of the American Medical Association*, 279(12), 938–942.
- Araújo, F.R., Destro, C.D.G., Rosa, C.J., Vaz, R.E.R., Forte, F.J.I., Satie, K.S., et al. (2011). Socioeconomic status as determinant of risk factors for overweight in adolescents. *Ciência & Saúde Coletiva*, 16(10), 4051–4057.
- Barsh, G.S., Farooqi, I.S., & O'Rahilly, S. (2000). Genetics of body-weight regulation. *Nature*, 404(6778), 644–651.

- Beebe, D. W., Lewin, D., Zeller, M., McCabe, M., MacLeod, K., Daniels, S. R., & Amin, R. (2006). Sleep in Overweight Adolescents: Shorter Sleep, Poorer Sleep Quality, Sleepiness, and Sleep-Disordered Breathing. *Journal of Pediatric Psychology*, 32(1), 69–79.
- Bowman, S.A. & Vinyard, B.T. (2004). Fast food consumption of US adults: impact on energy and nutrient intakes and overweight status. *Journal of the American College of Nutrition*, 23(2), 163–168.
- Byers, T., Nestle, M., McTiernan, A., Doyle, C., Currie-Williams, A., Gansler, T., Thun, M., ... American Cancer Society 2001 Nutrition and Physical Activity Guidelines Advisory Committee. (2002). American Cancer Society guidelines on nutrition and physical activity for cancer prevention: reducing the risk of cancer with health food choices and physical activity. *Ca: A Cancer Journal for Clinicians*, 52(2), 92–119.
- Catalano, P.M., Farrell, K., Thomas, A., Huston-Presley, L., Mencin, P., de Mouzon, S. H., & Amini, S.B. (2009). Perinatal risk factors for childhood obesity and metabolic dysregulation. *The American Journal of Clinical Nutrition*, 90(5), 1303–1313.
- Cavill, N., Biddle, S., & Sallis, J.F. (2001). Health enhancing physical activity for young people: statement of the United Kingdom Expert Consensus Conference. *Pediatric Exercise Science*, 13(1), 12–25.
- Chaput, J-P., Leblanc, C., Perusse, L., Despres, J-P., Bouchard, C., & Tremblay, A. (2009). Risk Factors for Adult Overweight and Obesity in the Quebec Family Study: Have We Been Barking Up the Wrong Tree? *Obesity*, 17(10), 1964 – 1970.
- Cole, T.J. (2004). Children grow and horses race: is the adiposity rebound a critical period for later obesity? *BMC Pediatrics*, 4, 6.
- Desai, M.N., Miller, W.C., Staples, B., & Bravender, T. (2008). Risk Factors Associated With Overweight and Obesity in College Students. *Journal of American College Health*, 57(1), 109–114.
- Fares, D., Barbosa, A.R., Borgatto, A.F., Coqueiro, R.S., & Fernandes, M.H. (2012). Fatores associados ao estado nutricional de idosos de duas regiões do Brasil. [Factors associated with nutritional status of the elderly in two regions of Brazil]. *Revista da Associacao Medica Brasileira*, 58(4), 434–441.
- French, S.A., Harnack, L., & Jeffery, R.W. (2000). Fast food restaurant use among women in the Pound of Prevention study: dietary, behavioral and demographic correlates. *International Journal of Obesity*, 24(10), 1353–1359.
- Hawkins, S.S., Cole, T.J., Law, C. & The Millennium Cohort Study Child Health Group (2009). An ecological systems approach to examining risk factors for early childhood overweight: findings from the UK Millennium Cohort Study. *Journal of Epidemiology and Community Health*, 63(2), 147–155.
- Hebebrand, J., Sommerlad, C., Geller, F., Görg, T., & Hinney, A. (2001). The genetics of obesity: practical implications. *International Journal of Obesity*, 25(Suppl. 1), S10–S18.
- Ibáñez, L., de Zegher, F., & Potau, N. (1999). Anovulation after precocious pubarche: early markers and time course in adolescence. *Journal of Clinical Endocrinology and Metabolism*, 84(8), 2691–1695.
- Jeffery, R.W. & French, S.A. (1998). Epidemic obesity in the United States: are fast foods and television viewing contributing? *American Journal of Public Health*, 88(2), 277–280.
- Kant, A.K. & Graubard, B.I. (2004). Eating out in America, 1987 – 2000: trends and nutritional correlates. *Preventive Medicine*, 38(2), 243–249.

- Koplan, J.P., Liverman, C.T. & Kraak, V.I. (Eds.) (2005). Preventing childhood obesity: health in the balance. Washington, DC: National Academies Press
- Krebs, N.F., Jacobson, M.S., & American Academy of Pediatrics. (2003). Prevention of pediatric overweight and obesity. *Pediatrics*, 112(2), 424–430.
- Krebs, N.F., Himes, J. H., Jacobson, D., Nicklas, T.A., Guilday, P., & Styne, D. (2007). Assessment of child and adolescent overweight and obesity. *Pediatrics*, 120(Suppl. 4) S193–S228.
- Kuczmarski, R.J., Ogden, C.L., Grummer-Strawn, L.M., et al. (2000). CDC growth charts: United States. *Advance Data*, 314, 1–27.
- Lopes, P.C.S., Prado, S.R., & Colombo, P. (2010). Fatores de risco associados à obesidade e sobrepeso em crianças em idade escolar. [Risk factors associated with obesity and overweight in school children.] *Revista Brasileira de Enfermagem*, 3(1), 73–78.
- Lowry, R., Wechsler, H., Galuska, D.A., Fulton, J.E., & Kann, L. (2002). Television Viewing and its Associations with Overweight, Sedentary Lifestyle, and Insufficient Consumption of Fruits and Vegetables Among US High School Students: Differences by Race, Ethnicity, and Gender. *The Journal of School Health*, 72(10), 413–421.
- Ludwig, D.S., Peterson, K.E., & Gortmaker, S.L. (2001). Relation between consumption of sugar-sweetened drinks and childhood obesity: a prospective, observational analysis. *Lancet*, 357(9255), 505–508.
- Martin, K.S. & Ferris, A.M. (2007). Food Insecurity and Gender are Risk Factors for Obesity. *Journal of Nutrition Education and Behavior*, 39(1), 31–36.
- McCrory, M.A., Fuss, P.J., Hays, N.P., Vinken, A.G., Freenberg, A.S., & Roberts, S.B. (1999). Overeating in America: association between restaurant food consumption and body fatness in healthy adult men and women ages 19 to 80. *Obesity Research*, 7(6), 564–571.
- Moreno, L.A. & Rodriguez, G. (2007). Dietary risk factors for development of childhood obesity. *Current Opinion in Clinical Nutrition & Metabolic Care*, 10(3), 336–341.
- Mushtaq, M.U., Gull, S., Mushtaq, K., Shahid, U., Shad, M.A. & Akram, J. (2011). Dietary behaviors, physical activity and sedentary lifestyle associated with overweight and obesity, and their socio-demographic correlates, among Pakistani primary school children. *International Journal of Behavioral Nutrition and Physical Activity*, 8(1), 130.
- National Association for Sport and Physical Education. (2004). *Physical Activity for Children: A Statement of Guidelines for Children Ages 5 to 12* (2nd Ed.). Reston, VA: National Association for Sport and Physical Education.
- Neumark-Sztainer, D.R., Wall, M.M., Haines, J.I., Story, M.T., Sherwood, N.E., & van den Berg, P.A. (2007). Shared risk and protective factors for overweight and disordered eating in adolescents. *American Journal of Preventive Medicine*, 33(5), 359–369.
- Oken, E., Levitan, E.B., & Gillman, M.W. (2008). Maternal smoking during pregnancy and child overweight. *International Journal of Obesity*, 32(2): 201–210.
- Padez, C., Mourão, I., Moreira, P., & Rosado, V. (2005). Prevalence and risk factors for overweight and obesity in Portuguese children. *Acta Paediatrica*, 94(11), 1550–1557.
- Pereira, M.A., Kartashov, A.I., Ebbeling, C.B., Van, H.L., Slattery, M.L., Jacobs, D.R.J., & Ludwig, D. S. (2005). Fast-food habits, weight gain, and insulin resistance (the CARDIA study): 15-year prospective analysis. *Lancet*, 365(9453), 36–42.
- Poterico, J. A., Bernabé-Ortiz, A., Loreto, M. C., & Miranda, J. J. (2012). Asociación entre ver televisión y obesidad en mujeres peruanas. [Association between television

- viewing and obesity in Peruvian women.] (2012). *Revista de Saúde Pública*, 46(4), 610–616.
- Reilly, J. J., Armstrong, J., Dorosty, A. R., Emmett, P. M., Ness, A., Rogers, I., Steer, C., ... Sherriff, A. (2005). Early life risk factors for obesity in childhood: a cohort study. *British Medical Journal*, 330(7504), 1357.
- Rideout, V.J., Vandewater, V.J., & Wartella, E.A. (2003). *Zero to Six: Electronic Media in the Lives of Infants, Toddlers, and Preschoolers*. Menlo Park, CA: Henry J. Kaiser Family Foundation.
- Robinson, T.N. (1999). Reducing children's television viewing to prevent obesity: a randomized controlled trial. *The Journal of the American Medical Association*, 282(16), 1561–1567.
- Rosa, M.I., Silva, F.M.L., Girolodi, S.B., Antunes, G.N., & Wendland, E.M. (2011). Prevalência e fatores associados à obesidade em mulheres usuárias de serviços de pronto-atendimento do Sistema Único de Saúde no sul do Brasil. [The prevalence and factors associated with obesity in women attended at First Aid Units of the Unified Health System in southern Brazil.] *Ciência E Saúde Coletiva*, 16(5), 2559–2566.
- Rosenbaum, M., Leibel, R.L., & Hirsch, J. (1997). Obesity. *New England Journal of Medicine*, 337(6), 396–407.
- Shan, X.-Y., Xi, B., Cheng, H., Hou, D.-Q., Wang, Y., & Mi, J. (2010). Prevalence and behavioral risk factors of overweight and obesity among children aged 2–18 in Beijing, China. *International Journal of Pediatric Obesity*, 5(5), 383–389.
- Stettler, N., Kumanyika, S.K., Katz, S.H., Zemel, B.S., & Stallings, V.A. (2003). Rapid weight gain during infancy and obesity in young adulthood in a cohort of African Americans. *American Journal of Clinical Nutrition*, 77(6), 1374–1378.
- Stettler, N., Stallings, V. A., Troxel, A. B., Zhao, J., Schinnar, R., Nelson, S. E., Ziegler, E. E., ... Strom, B. L. (2005). Weight gain in the first week of life an overweight in adulthood: a cohort study of European American subjects fed infant formula. *Circulation*, 111(15), 1897–1903.
- Strong, W. B., Malina, R. M., Blimkie, C. J., Daniels, S. R., Dishman, R. K., Gutin, B., Hergenroeder, A. C., ... Trudeau, F. (2005). Evidence based physical activity for school-age youth. *The Journal of Pediatrics*, 146(6) 732–737.
- Thibault, H., Contrand, B., Saubusse, E., Baine, M., & Maurice-Tison, S. (2009). Factors for overweight and obesity in French adolescents: activity, sedentary behavior and parental characteristics. *Nutrition*, 26(2), 1–9.
- Thompson, O. M., Ballew, C., Resnicow, K., Must, A., Bandini, L. G., Cyr, H., & Dietz, W. H. (2004). Food purchased away from home as a predictor of change in BMI z-score among girls. *International Journal of Obesity and Related Metabolic Disorders*, 28(2), 282–289.
- Tordoff, M.G. & Alleva, A.M. (1990). Effect of drinking soda sweetened with aspartame or high-fructose corn syrup on food intake and body weight. *The American Journal of Clinical Nutrition*, 51(6), 963–969.
- US Department of Health & Human Services & US Department of Agriculture (2005). *Dietary Guidelines for Americans*, 2005 (6th ed.). Washington, DC: US Government Printing Office.
- US Department of Health & Human Services. (2001). *The Surgeon General's Call to Action to Prevent and Decrease Overweight and Obesity*. Rockville, MD: US Department of Health and Human Services.

- Whitaker, R.C., Wright, J.A., Pepe, M.S., Seidel, K.D. & Dietz, W.H. (1997). Predicting obesity in young adulthood from childhood and parental obesity. *New England Journal of Medicine*, 337(13), 869–873.
- Williams, C.L., Hayman, L.L., Daniels, S.R., Robinson, T.N., Steinberger, J., Paridon, S., & Bazzarre, T. (2002). Cardiovascular health in childhood: a statement for health professionals from the Committee on Atherosclerosis, Hypertension, and Obesity in the Young (AHOY) of the Council on Cardiovascular Disease in the Young. *American Heart Association. Circulation*, 106(1), 143–160.

Risk for overweight (00234)

- Agras, W.S., Hammer, L.D., McNicholas, F., & Kraemer, H.C. (2004). Risk factors for childhood overweight: a prospective study from birth to 9.5 years. *The Journal of Pediatrics*, 145(1), 20–25.
- Anderson, R.E., Crespo, C.J., Bartlett, S.J., Cheskin, L.J., & Pratt, M. (1998). Relationship of physical activity and television watching with body weight and level of fatness among children: results from the Third National Health and Nutrition Examination Survey. *The Journal of the American Medical Association*, 279(12), 938–942.
- Araújo, F.R., Destro, C.D.G., Rosa, C.J., Vaz, R.E.R., Forte, F.J.I., Satie, K.S., et al. (2011). Socioeconomic status as determinant of risk factors for overweight in adolescents. *Ciência & Saúde Coletiva*, 16(10), 4051–4057.
- Barsh, G.S., Farooqi, I.S., & O’Rahilly, S. (2000). Genetics of body-weight regulation. *Nature*, 404(6778), 644–651.
- Beebe, D. W., Lewin, D., Zeller, M., McCabe, M., MacLeod, K., Daniels, S. R., & Amin, R. (2006). Sleep in Overweight Adolescents: Shorter Sleep, Poorer Sleep Quality, Sleepiness, and Sleep-Disordered Breathing. *Journal of Pediatric Psychology*, 32(1), 69–79.
- Bowman, S.A. & Vinyard, B.T. (2004). Fast food consumption of US adults: impact on energy and nutrient intakes and overweight status. *Journal of the American College of Nutrition*, 23(2), 163–168.
- Byers, T., Nestle, M., McTiernan, A., Doyle, C., Currie-Williams, A., Gansler, T., Thun, M., ... American Cancer Society 2001 Nutrition and Physical Activity Guidelines Advisory Committee. (2002). American Cancer Society guidelines on nutrition and physical activity for cancer prevention: reducing the risk of cancer with health food choices and physical activity. *Ca: A Cancer Journal for Clinicians*, 52(2), 92–119.
- Catalano, P.M., Farrell, K., Thomas, A., Huston-Presley, L., Mencia, P., de Mouzon, S. H., & Amini, S.B. (2009). Perinatal risk factors for childhood obesity and metabolic dysregulation. *The American Journal of Clinical Nutrition*, 90(5), 1303–1313.
- Cavill, N., Biddle, S., & Sallis, J.F. (2001). Health enhancing physical activity for young people: statement of the United Kingdom Expert Consensus Conference. *Pediatric Exercise Science*, 13(1), 12–25.
- Chaput, J-P., Leblanc, C., Perusse, L., Despres, J-P., Bouchard, C., & Tremblay, A. (2009). Risk Factors for Adult Overweight and Obesity in the Quebec Family Study: Have We Been Barking Up the Wrong Tree? *Obesity*, 17(10), 1964 – 1970.
- Cole, T.J. (2004). Children grow and horses race: is the adiposity rebound a critical period for later obesity? *BMC Pediatrics*, 4, 6. Desai, M.N., Miller, W.C., Staples, B., & Bravender, T. (2008). Risk Factors Associated With Overweight and Obesity in College Students. *Journal of American College Health*, 57(1), 109–114.

- Desai, M.N., Miller, W.C., Staples, B., & Bravender, T. (2008). Risk Factors Associated With Overweight and Obesity in College Students. *Journal of American College Health*, 57(1), 109–114.
- Fares, D., Barbosa, A.R., Borgatto, A.F., Coqueiro, R.S., & Fernandes, M.H. (2012). Fatores associados ao estado nutricional de idosos de duas regiões do Brasil. [Factors associated with nutritional status of the elderly in two regions of Brazil]. *Revista da Associacao Medica Brasileira*, 58(4), 434–441.
- French, S.A., Harnack, L., & Jeffery, R.W. (2000). Fast food restaurant use among women in the Pound of Prevention study: dietary, behavioral and demographic correlates. *International Journal of Obesity*, 24(10), 1353–1359.
- Hawkins, S.S., Cole, T.J., Law, C. & The Millennium Cohort Study Child Health Group (2009). An ecological systems approach to examining risk factors for early childhood overweight: findings from the UK Millennium Cohort Study. *Journal of Epidemiology and Community Health*, 63(2), 147–155.
- Hebebrand, J., Sommerlad, C., Geller, F., Görg, T., & Hinney, A. (2001). The genetics of obesity: practical implications. *International Journal of Obesity*, 25(Suppl. 1), S10–S18.
- Ibáñez, L., de Zegher, F., & Potau, N. (1999). Anovulation after precocious pubarche: early markers and time course in adolescence. *Journal of Clinical Endocrinology and Metabolism*, 84(8), 2691–1695.
- Jeffery, R.W. & French, S.A. (1998). Epidemic obesity in the United States: are fast foods and television viewing contributing? *American Journal of Public Health*, 88(2), 277–280.
- Kant, A.K. & Graubard, B.I. (2004). Eating out in America, 1987 – 2000: trends and nutritional correlates. *Preventive Medicine*, 38(2), 243–249.
- Koplan, J.P., Liverman, C.T. & Kraak, V.I. (Eds.) (2005). Preventing childhood obesity: health in the balance. Washington, DC: National Academies Press
- Krebs, N.F., Jacobson, M.S., & American Academy of Pediatrics. (2003). Prevention of pediatric overweight and obesity. *Pediatrics*, 112(2), 424–430.
- Krebs, N.F., Himes, J. H., Jacobson, D., Nicklas, T.A., Guilday, P., & Styne, D. (2007). Assessment of child and adolescent overweight and obesity. *Pediatrics*, 120(Suppl. 4) S193 –S228.
- Kuczmarski, R.J., Ogden, C.L., Grummer-Strawn, L.M., et al. (2000). CDC growth charts: United States. *Advance Data*, 314, 1–27.
- Lopes, P.C.S., Prado, S.R., & Colombo, P. (2010). Fatores de risco associados à obesidade e sobrepeso em crianças em idade escolar. [Risk factors associated with obesity and overweight in school children.] *Revista Brasileira de Enfermagem*, 3(1), 73–78.
- Lopes, P.C.S., Prado, S.R., & Colombo, P. (2010). Fatores de risco associados à obesidade e sobrepeso em crianças em idade escolar. [Risk factors associated with obesity and overweight in school children.] *Revista Brasileira de Enfermagem*, 63(1), 73–78.
- Lowry, R., Wechsler, H., Galuska, D.A., Fulton, J.E., & Kann, L. (2002). Television Viewing and its Associations with Overweight, Sedentary Lifestyle, and Insufficient Consumption of Fruits and Vegetables Among US High School Students: Differences by Race, Ethnicity, and Gender. *The Journal of School Health*, 72(10), 413–421.
- Ludwig, D.S., Peterson, K.E., & Gortmaker, S.L. (2001). Relation between consumption of sugar-sweetened drinks and childhood obesity: a prospective, observational analysis. *Lancet*, 357(9255), 505–508.
- Martin, K.S. & Ferris, A.M. (2007). Food Insecurity and Gender are Risk Factors for Obesity. *Journal of Nutrition Education and Behavior*, 39(1), 31–36.

- McCorry, M.A., Fuss, P.J., Hays, N.P., Vinken, A.G., Freenberg, A.S., & Roberts, S.B. (1999). Overeating in America: association between restaurant food consumption and body fatness in healthy adult men and women ages 19 to 80. *Obesity Research*, 7(6), 564–571.
- Moreno, L.A. & Rodriguez, G. (2007). Dietary risk factors for development of childhood obesity. *Current Opinion in Clinical Nutrition & Metabolic Care*, 10(3), 336–341.
- Mushtaq, M.U., Gull, S., Mushtaq, K., Shahid, U., Shad, M.A. & Akram, J. (2011). Dietary behaviors, physical activity and sedentary lifestyle associated with overweight and obesity, and their socio-demographic correlates, among Pakistani primary school children. *International Journal of Behavioral Nutrition and Physical Activity*, 8(1), 130.
- National Association for Sport and Physical Education. (2004). *Physical Activity for Children: A Statement of Guidelines for Children Ages 5 to 12* (2nd Ed.). Reston, VA: National Association for Sport and Physical Education.
- Neumark-Sztainer, D.R., Wall, M.M., Haines, J.I., Story, M.T., Sherwood, N.E., & van den Berg, P.A. (2007). Shared risk and protective factors for overweight and disordered eating in adolescents. *American Journal of Preventive Medicine*, 33(5), 359–369.
- Oken, E., Levitan, E.B., & Gillman, M.W. (2008). Maternal smoking during pregnancy and child overweight. *International Journal of Obesity*, 32(2): 201–210.
- Padez, C., Mourão, I., Moreira, P., & Rosado, V. (2005). Prevalence and risk factors for overweight and obesity in Portuguese children. *Acta Paediatrica*, 94(11), 1550–1557.
- Pereira, M.A., Kartashov, A.I., Ebbeling, C.B., Van, H.L., Slaterry, M.L., Jacobs, D.R.J., & Ludwig, D. S. (2005). Fast-food habits, weight gain, and insulin resistance (the CARDIA study): 15-year prospective analysis. *Lancet*, 365(9453), 36–42.
- Poterico, J. A., Bernabé-Ortiz, A., Loret, M. C., & Miranda, J. J. (2012). Asociación entre ver televisión y obesidad en mujeres peruanas. [Association between television viewing and obesity in Peruvian women.] (2012). *Revista de Saúde Pública*, 46(4), 610–616.
- Reilly, J. J., Armstrong, J., Dorosty, A. R., Emmett, P. M., Ness, A., Rogers, I., Steer, C., ... Sherriff, A. (2005). Early life risk factors for obesity in childhood: a cohort study. *British Medical Journal*, 330(7504), 1357.
- Rideout, V.J., Vandewater, V.J., & Wartella, E.A. (2003). *Zero to Six: Electronic Media in the Lives of Infants, Toddlers, and Preschoolers*. Menlo Park, CA: Henry J. Kaiser Family Foundation.
- Robinson, T.N. (1999). Reducing children's television viewing to prevent obesity: a randomized controlled trial. *The Journal of the American Medical Association*, 282(16), 1561–1567.
- Rosa, M.I., Silva, F.M.L., Girolodi, S.B., Antunes, G.N., & Wendland, E.M. (2011). Prevalência e fatores associados à obesidade em mulheres usuárias de serviços de pronto-atendimento do Sistema Único de Saúde no sul do Brasil. [The prevalence and factors associated with obesity in women attended at First Aid Units of the Unified Health System in southern Brazil.] *Ciência E Saúde Coletiva*, 16(5), 2559–2566.
- Rosenbaum, M., Leibel, R.L., & Hirsch, J. (1997). Obesity. *New England Journal of Medicine*, 337(6), 396–407.
- Shan, X-Y., Xi, B., Cheng, H., Hou, D-Q., Wang, Y., & Mi, J. (2010). Prevalence and behavioral risk factors of overweight and obesity among children aged 2–18 in Beijing, China. *International Journal of Pediatric Obesity*, 5(5), 383–389.

- Stettler, N., Kumanyika, S.K., Katz, S.H., Zemel, B.S., & Stallings, V.A. (2003). Rapid weight gain during infancy and obesity in young adulthood in a cohort of African Americans. *American Journal of Clinical Nutrition*, 77(6), 1374–1378.
- Stettler, N., Stallings, V. A., Troxel, A. B., Zhao, J., Schinnar, R., Nelson, S. E., Ziegler, E. E., ... Strom, B. L. (2005). Weight gain in the first week of life an overweight in adulthood: a cohort study of European American subjects fed infant formula. *Circulation*, 111(15), 1897–1903.
- Strong, W. B., Malina, R. M., Blimkie, C. J., Daniels, S. R., Dishman, R. K., Gutin, B., Hergenroeder, A. C., ... Trudeau, F. (2005). Evidence based physical activity for school-age youth. *The Journal of Pediatrics*, 146(6) 732–737.
- Thibault, H., Contrand, B., Saubusse, E., Baine, M., & Maurice-Tison, S. (2009). Factors for overweight and obesity in French adolescents: activity, sedentary behavior and parental characteristics. *Nutrition*, 26(2), 1–9.
- Thompson, O. M., Ballew, C., Resnicow, K., Must, A., Bandini, L. G., Cyr, H., & Dietz, W. H. (2004). Food purchased away from home as a predictor of change in BMI z-score among girls. *International Journal of Obesity and Related Metabolic Disorders*, 28(2), 282–289.
- Tordoff, M.G. & Alleva, A.M. (1990). Effect of drinking soda sweetened with aspartame or high-fructose corn syrup on food intake and body weight. *The American Journal of Clinical Nutrition*, 51(6), 963–969.
- US Department of Health & Human Services & US Department of Agriculture (2005). *Dietary Guidelines for Americans*, 2005 (6th ed.). Washington, DC: US Government Printing Office.
- US Department of Health & Human Services. (2001). *The Surgeon General's Call to Action to Prevent and Decrease Overweight and Obesity*. Rockville, MD: US Department of Health and Human Services.
- Whitaker, R.C., Wright, J.A., Pepe, M.S., Seidel, K.D. & Dietz, W.H. (1997). Predicting obesity in young adulthood from childhood and parental obesity. *New England Journal of Medicine*, 337(13), 869–873.
- Williams, C.L., Hayman, L.L., Daniels, S.R., Robinson, T.N., Steinberger, J., Paridon, S., & Bazzarre, T. (2002). Cardiovascular health in childhood: a statement for health professionals from the Committee on Atherosclerosis, Hypertension, and Obesity in the Young (AHOY) of the Council on Cardiovascular Disease in the Young. *American Heart Association. Circulation*, 106(1), 143–160.

Ineffective infant suck-swallow response (00295)

- Dodrill, P., Gosa, M., Thoyre, S., Shaker, C., Pados, B., Park, J., ... & Hernandez, K. (2016). First, do no harm: a response to “oral alimentation in neonatal and adult populations requiring high-flow oxygen via nasal cannula”. *Dysphagia*, 31(6), 781–782.
- Fucile, S., Caulfield, A., & Geleynse, S. (2019). Oral Feeding in Preterm Infants: A Conceptual Model for Health Care Practitioners. *Neonatal Network*, 38(6), 348–356.
- Maheswari, G., & Kumar, R. (2018). Preterm infant's response to oral stimulations-An integrative literature review. *International Journal of Nursing Education and Research*, 6(2), 214–216.
- Smith, L. J. (2016). Impact of birth practices on infant suck. *Supporting Sucking Skills in Breastfeeding Infants*. Chapter 3

Impaired swallowing (00103)

- Araújo BCL, Motta ME, Castro AG, Araújo CM. Clinical and videofluoroscopic diagnosis of dysphagia in chronic encephalopathy of child hood. *Radiol Bras.* 2014;47 (2):84–88.
- Araújo LA, Silva LR, Mendes FAA. Controle neuronal e manifestações digestórias na paralisia cerebral. *J Pediatr* [Internet]. 2012 [citado 30 Set 2017];88(6):455–64. Disponível em: <http://www.scielo.br/pdf/jped/v88n6/v88n06a03.pdf> Portuguese
- Arvedson J, Rogers B, Buck G, Smart P, Msall M. Silent aspiration prominent in children with dysphagia. *Internat J Pediat Otorhinolaryng.* 1994;28:173–81.
- Arvedson JC. Feeding children with cerebral palsy and swallowing difficulties. *Eur J Clin Nutr* [Internet]. 2013[cited 2017 Apr 28];67:S9–S12.
- Belcher, R., & Raol, N. (2018). Vocal fold paralysis and dysphagia: challenges and controversies. In *Pediatric Dysphagia* (pp. 191–206). Springer, Cham.
- Benfer KA, Weir KA, Bell KL, Ware RS, Davies PS, Boyd RN. Oropharyngeal dysphagia and gross motor skills in children with cerebral palsy. *Pediatrics.* 2013;131 (5):1553–62.
- Benfer KA, Weir KA, Bell KL, Ware RS, Davies PS, Boyd RN. Clinical signs suggestive of pharyngeal dysphagia in preschool children with cerebral palsy. *Res Developm Disabil.* 2015;38:192–201.
- Benfer KA, Weir KA, Boyd RN. Clinimetrics of measures of oropharyngeal dysphagia for preschool children with cerebral palsy and neurodevelopmental disabilities: a systematic review. *Dev Med Child Neurol* [Internet]. 2012 [cited 2018 Jan 12];54 (9):784–95. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1469-8749.2012.04302.x>
- Blanco OFS, Aristizábal DS, Pineda AM, Rodríguez MMM, Escobar PA, Ochoa JWC et al. [Clinical and videofluoroscopic characteristics of oropharyngeal dysphagia in children aged 1 month to 5 years. A study in Medellín, Colombia, 2004] *Iatreia* [Internet]. 2008 [citado 2017 Sept 26];21(1):13–20. Disponible em: https://www.redib.org/recursos/Record/oai_articulo517318-caracteristicas-clinicas-videofluoroscopicas-disfagia-orofaringea-ninos-mes-anos-vida-hospital-universitario-san-vicente-paul-medellin-colombia-2004 Spanish.
- Casas MJ, McPherson KA, Kenny DJ. Durational aspects of oral swallow in neurologically normal children and children with cerebral palsy: an ultrason and investigation. *Dysphagia.* 1995;10:155–9.
- Cicala, G., Barbieri, M. A., Spina, E., & de Leon, J. (2019). A comprehensive review of swallowing difficulties and dysphagia associated with antipsychotics in adults. *Expert review of clinical pharmacology*, 12(3), 219–234.
- Clancy KJ, Hustad KC. Longitudinal changes in feeding among children with cerebral palsy between the ages of 4 and 7 years. *Dev Neurorehabil.* 2011;14(4): 191–8.
- Dahlseng MO, Finbraten AK, Júlíusson PB, Skranes J, Andersen G, Vik T. Feeding problems, growth and nutritional status in children with cerebral palsy. *Acta Pediatr* [Internet]. 2012 [cited 2017 Apr 26];101(1):92–8. Available from: <http://onlinelibrary.wiley.com/doi/10.1111/j.1651-2227.2011.02412.x>
- Ferreira MTS. [Incidence of children with cerebral palsy attended at the clinical school of physiotherapy of Unicatólica]. *Rev Expres Catól* [Internet]. 2016 [cited 2017 Nov 24];1(1):1–4. Disponível em: <http://publicacoesacademicas.fcrs.edu.br/index.php/re-csaude/article/view/1376> Portuguese.
- Furkim AM, Behlau MS, Weckx LLM. [Clinical and videofluoroscopic evaluation of deglutition in children with tetraparetic spastic cerebral palsy]. *Arq Neuropsiquiatr*

- [Internet]. 2003 [citado 21 Set 2017];61:611–6. Disponível em: <http://www.scielo.br/pdf/anp/v61n3A/a16v613a.pdf> Portuguese.
- Furkim AM, Duarte ST, Sacco AFB, Sória FS. [The use of cervical auscultation in tracheal aspiration in children with cerebral palsy]. *Rev CEFAC* [Internet]. 2009 [citado 21 Jan 2018];11(4):624–9. Disponível em: <http://www.scielo.br/pdf/rcefac/v11n4/11.pdf> Portuguese.
- Gisel EG, Applegate-Ferrante T, Benson J, Bosma JF. Oral-motor skills following sensorimotor therapy in two groups of moderately dysphagic children with cerebral palsy: Aspiration vs. nonaspiration. *Dysphagia*. 1996;11(1):59–71.
- Gisel EG, Schwartz S, Petryk A, Clarke D, Habberfeller H. “Whole Body” mobility after one year of intraoral appliance therapy in children with cerebral palsy and moderate eating impairment. *Dysphagia*. 2000;15:226–35.
- Gisel EG. Effect of oral sensorimotor treatment on measures of growth and efficiency of eating in the moderately eating-impaired child with cerebral palsy. *Dysphagia*. 1996;11:48–58.
- Goh YR, Choi JY, Kim SA, Park J, Park ES. Comparisons of severity classification systems for oropharyngeal dysfunction in children with cerebral palsy: relations with other functional profiles. *Res Dev Disabil*. 2018;72:248–256.
- Gubert JK, Viera CS, Oliveira BRG, Delatore S, Sanches MM. [Breastfeeding evaluation in preterm newborn one month after discharge]. *Cienc Cuid Saude* [Internet]. 2012 [citado 21 Jun 2017];11(1):146–55. Disponível em: <http://www.periodicos.uem.br/ojs/index.php/CiencCuidSaude/article/view/18871> Portuguese.
- Hayashi, M., Yahiro, A., Sakuragi, Y., Iwamatsu, K., Sakamoto, H., Kaizuka, Y., ... & Kamouchi, M. (2016). Impaired Swallowing in Hospitalized Patients: An Observational Study in a Community Hospital in Japan (2012–2014). *Nursing Research*, 65(5), 389–396.
- Horiguchi S, Suzuki Y. Screening tests in evaluating swallowing function. *Japan Medical Association J*. 2011;54(1):31–4.
- Kamide A, Hashimo [cited 2017 Aug 28]to K, Miyamura K, Honda M. Assessment of feeding and swallowing in children: validity and reliability of the ability for basic feeding and swallowing scale for children (ABFS-C). *Brain Developm*. 2015;37:508–14.
- Kim JS, Han ZA, Song DH, Oh HM, Chung ME. Characteristics of dysphagia in children with cerebral palsy, related to gross motor function. *Am J Phys Med Rehabil*. 2013;92(10):912–9.
- Leder SB, Suiter DM, Green BG. Silent aspiration risk is volume-dependent. *Dysphagia* [Internet]. 2011 [cited 2018 Jan 11];26(3):304–9.
- Levy DS, Cristovão PW, Gabbi S. Protocolo do estudo dinâmico da deglutição por videofluoroscopia. In: Jacobi JS, Levy DS, Silva LMC. *Disfagia, avaliação e tratamento*. 2004:134–152.
- Logemann JA, Veis S, Colangelo LA. A screening procedure for oropharyngeal dysphagia. *Dysphagia*. 1999;14:44–51.
- Lucchi C, Flório CPF, Silvério CC, Reis TM. [Incidence of oropharyngeal dysphagia in institutionalized patients with spastic tetraparetic cerebral palsy]. *Rev Soc Bras Fonoaudiol* [Internet]. 2009 [citado 2017 Ago 28];14(2):17–26. Disponível em: <http://www.scielo.br/pdf/rsbf/v14n2/06.pdf> Portuguese.
- Lustre NS, Freire TRB, Silvério CC. Temporal measurements of oral transit time in children with cerebral palsy of different levels of motor and the relationship with the

- severity of dysphagia. *Audiol Commun Res* [Internet]. 2013 [cited 2017 Nov 27];18(3):155–61. Available from: http://www.scielo.br/pdf/acr/v18n3/en_a04v18n3.pdf
- Marrara JL, Duca AP, Dantas RO, Trawitzki LVV, Lima RAC, Pereira JC. Swallowing in children with neurologic disorders: clinical and videofluoroscopic evaluations. *Pró-Fono Rev Atualiz Cientif* [Internet]. 2008 [cited 2017 Aug 28];20(4):231–36. Available from: http://www.scielo.br/pdf/pfono/v20n4/en_a05v20n4.pdf
- Mishra A, Sheppard JJ, Kantarcigil C, Gordon AM, Malandraki GA. Novel mealtime duration measures: reliability and preliminary associations with clinical feeding and swallowing performance in self-feeding children with cerebral palsy. *Am J Speech Lang Pathol*. 2017;22:1–9.
- Mosele PG, Santos JF, Godói VC, Costa FM, Toni PM, Fujinaga CI. Assessment scale of newborn sucking for breastfeeding. *Rev. CEFAC* [Internet]. 2014 [cited 2017 Jun 26];16(5):1548–1557. Available from: http://www.scielo.br/pdf/rcefac/v16n5/en_1982-0216-rcefac-16-05-01548.pdf.
- Moura LTL, Tolentino GM, Costa TLS, Aline A. [Action of speech therapy on early stimulation of non-nutritive sucking in preterm newborns] *Rev CEFAC* [Internet]. 2009 [citado 21 Jun 2017];11(Supl3):448–56. Disponível em: <http://www.scielo.br/pdf/rcefac/v11s3/a21v11s3.pdf> Portuguese.
- Otapowicz D, Sobaniec W, Okurowska-Zawada B, Artemowicz B, Sendrowski K, Kułak W, Boćkowski L, Kuzia-Śmigielka J. Dysphagia in children with infantile cerebral palsy. *Adv Medic Scien*. 2010;55(2):222–227.
- Padovani AR, Moraes DP, Mangili LD, Andrade CRF. [Dysphagia Risk Evaluation Protocol]. *Rev Soc Bras Fonoaudiol* [Internet]. 2007 [citado 2017 Ago 28];12(3): 199–205. Disponível em: <http://www.scielo.br/pdf/rsbf/v12n3/a07v12n3.pdf> Portuguese.
- Pinnington L, Hegarty J. Effects of consistent food presentation on efficiency of eating and nutritive value of food consumed by children with severe neurological impairment. *Dysphagia*. 1999;14:17–26.
- Previtali EF, Santos MTBR. [Dental caries and oral hygiene in children with spastic tetraparetic cerebral palsy receiving either oral feeding or nutrition via gastrostomy tube] [Internet]. *Pesq Bras Odontoped Clin Integr* [Internet]. 2009 [citado 2017 Set 28]; 9(1):43–7. Disponível em: <http://www.redalyc.org/articulo.oa?id=63712848007> Portuguese.
- Queiroz MAS, Andrade ISN, Haguette RCB, Haguette EF. [Clinical and instrumental swallowing evaluation in children with cerebral palsy]. *Rev Soc Bras Fonoaud* [Internet]. 2011 [cited 2017 Sep 28];16(2):210–214. Disponível em: <http://www.scielo.br/pdf/rsbf/v16n2/16.pdf> Portuguese.
- Remijin L, Speyer R, Groen BE, Van Limbeek J, Nijhuis-Van der Sanden MW. Validity and reliability of the mastication observation and evaluation (MOE) instrument. *Res Developm Disabil*. 2014; 35:1551–61.
- Rocha MS, Delgado SE. [Speech language therapy in a preterm newborn infant with gastroschisis]. *Rev Soc Bras Fonoaud* [Internet]. 2007 [citado 26 Ago 2017];12(1):55–62. Disponível em: <http://www.scielo.br/pdf/rsbf/v12n1/09.pdf> Portuguese.
- Rosado CV, Amaral LKM, Galvão AP, Guerra SD, Fúria CLB. [Dysphagia interdisciplinary approach in pediatrics patients with head injury]. *Rev CEFAC* [Internet]. 2005 [citado 28 Ago 2017];7(1):34–41. Disponível em: <http://www.redalyc.org/html/1693/169320490004Portuguese>.
- Rosset MOS, Santos BMO, Galera SAF. [The burden of caring for a child with cerebral palsy from the perspective of caregivers]. *UNOPAR Cient Ciênc Biol Saúde* [Inter-

- net]. 2011 [citado 2017 Dez 10];13(2):107–14. Disponível em: <http://www.pgsskroton.com.br/seer/index.php/JHealthSci/article/view/1234> Portuguese
- Schwartzman MLC. Aspectos da alimentação na criança com paralisia cerebral. In: Li-mongi SCO. Paralisia cerebral: processo terapêutico em linguagem e cognição. Barueri: Pró-Fono, 2000. Cap. 3, p. 35–73.
- Silva, R. A. Acurácia dos indicadores clínicos do diagnóstico de enfermagem deglutição prejudicada em crianças com disfunções neurológicas. 2017. 132 f. Dissertação (Mestrado em Enfermagem) - Faculdade de Farmácia, Odontologia e Enfermagem, Universidade Federal do Ceará, Fortaleza, 2017.
- Susin FP, Bortolini V, Sukiennik R, Mancopes R, Barbosa LR. Profile of patients with cerebral palsy using gastrostomy and effects on caregivers. Rev. CEFAC [Internet]. 2012 [cited 2017 Dez 11];14(5):933–42. Available from: http://www.scielo.br/pdf/rcefac/v14n5/en_93-11.pdf Portuguese.
- Vasconcelos KS, Andrade ISN. [Changes in the oral phase of swallowing in children with cerebral palsy]. Rev. Bras. Promoção Saúde [Internet]. 2008 [citado 21 Ago 2017];21(4):263–8. Disponível em: <http://periodicos.unifor.br/RBPS/article/view/570> Portuguese.
- Vivone GP, Tavares MMM, Bartolomeu RS, Nemr K, Chiappetta ALML. [Analysis of alimentary consistency and deglutition time in children with spastic quadriplegic cerebral palsy]. Rev. CEFAC [Internet]. 2007 [citado 2017 Ago 28];9(4):504–11. Disponível em: <http://www.scielo.br/pdf/rcefac/v9n4/09.pdf> Portuguese.
- Waterman ET, Koltai PJ, Downey JC, Cacace AT. Swallowing disorders in a population of children with cerebral palsy. Internat J Pediat Otorhinolaryng. 1992;24(1):63–71.
- Yang, W. J., Park, E., Min, Y. S., Huh, J. W., Kim, A. R., Oh, H. M., ... & Jung, T. D. (2020). Association between clinical risk factors and severity of dysphagia after extubation based on a videofluoroscopic swallowing study. The Korean journal of internal medicine, 35(1), 79.

2.2 Class 2. Digestion

This class does not currently contain any diagnoses

2.3 Class 3. Absorption

This class does not currently contain any diagnoses

2.4 Class 4. Metabolism

Risk for unstable blood glucose level (00179)

- Abdullatif DA, Amat AKOM, Abdulelah HAA, Abdulqawi AAS, Adel AA. Prevalence and risk factors of gestational diabetes mellitus in Yemen. Int J Womens Health. 2016 Jan; 8: 35–41. 10.2147/IJWH.S97502
- Adoyo MA ,Mbakaya C, Nyambati V, Kombe Y. Retrospective cohort study on risk factors for development of gestational diabetes among mothers attending antenatal clinics in Nairobi County. Pan Afr Med J. 2016; 24:155–160. doi:10.11604/pamj.2016.24.155.8093

- Alves P, Malheiro MF, Gomes JC, Ferraz T, Montenegro N. Riscos da obesidade materna na gravidez: um estudo caso-controle em uma população obstétrica portuguesa. *Rev Bras Ginecol Obstet*. 2019 Dec; 41 (12):682–7. doi:10.1055/s-0039–3400455.
- Barros GM, Guimarães TML, Figueiredo LS, Lopes MVO, Ferreira HC, Cavalcanti ACD. Idade como fator de risco para diabetes mellitus gestacional. *Cuid Ciênc Saúde*; 2019 Apr/Jun; 18(2):e45414. Doi: 10.4025/cienccuidsaude.v18i2.45414
- Barros GM. Fatores de risco para o diagnóstico de enfermagem risco de glicemia instável em gestantes: instrumento de classificação: estudo caso controle. [dissertation] [Internet]. Niterói: Universidade Federal Fluminense; 2017 [cited 2020 Mar 02]. Available from: <https://app.uff.br/riuff/bitstream/1/5893/1/Grasiela%20Martins%20Barros.pdf>
- Barros, GM, Ferreira HC, Cavalcanti ACD. Perfil sociodemográfico e clínico das gestantes com diabetes gestacional: estudo caso controle. *Saúde Coletiva* [Internet]. 2018 Oct/Dec [cited 2020 Mar 12]; 08(46):1000–5. Available from: http://revistasau-decoletiva.com.br/revista/ed46/SAUDE-COLETIVA_ED46_COMPLETA.pdf
- Barros, Grasiela Martins. Fatores de risco para o Diagnóstico de Enfermagem Risco de Glicemia Instável em gestantes - Instrumento de classificação: estudo caso controle. 2017. 94 f. Dissertação (Mestrado Profissional em Enfermagem Assistencial) - Escola de Enfermagem Aurora de Afonso Costa, Niterói, 2017.
- Ju Young Yoon, Hye Rim Chung, Chang Won Choi, Sei Won Yang, Beyong Il Kim, Choong Ho Shin. Blood glucose levels within 7 days after birth in preterm infants according to gestational age. *Ann Pediatr Endocrinol Metab*. 2015 Dec; 20(4): 213–219. doi:10.6065/apem.2015.20.4.213
- Machado C, Monteiro S, Oliveira MJ. Impacto do sobrepeso e da obesidade nos resultados da gravidez em mulheres com diabetes gestacional: resultados de um estudo multicêntrico retrospectivo. *Arch Endocrinol Metab*. 2020 Feb; 64 (1):45–51. doi:10.20945 / 2359–3997000000178
- Ming WK, Ding W, Zhang CJP, Zhong L, Longo Y, Li Z, Sun C, et al. The effect of exercise during pregnancy on gestational diabetes mellitus in normal-weight women: a systematic review and meta-analysis. *BMC Pregnancy Childbirth*. 2018; 18:440. doi:10.1186/s12884–018–2068–7.
- Montenegro CAB, Rezende Filho J. Rezende: obstetrícia fundamental. 14th ed. Rio de Janeiro: Guanabara Koogan; 2018.
- Nascimento GR, Borges MDC, Figueiroa JN, Alves LV, Alves JG. Physical activity pattern in early pregnancy and gestational diabetes mellitus risk among low-income women: A prospective cross-sectional study. *SAGE Open Med*. 2019; 7:2050312119875922. doi:10.1177/2050312119875922.
- Nasiri-Amiri F, Bakhtiari A, Faramarzi M, Rad HA, Pasha H. The Association between physical activity during pregnancy and gestational Diabetes Mellitus: a case-control study. *Int J Endocrinol Metab*. 2016 Jul; 14(3):e37123. doi:10.5812/ijem.37123
- Nguyen CL, Pham NM, Lee AH, Nguyen PTH, Chu TK, Ha AVV, et al. Physical activity during pregnancy is associated with a lower prevalence of gestational Diabetes Mellitus in Vietnam. *Acta Diabetol*. 2018 Sep; 55(9):955–62. doi:10.1007/s00592–018–1174–3.
- Nogueira A, Santos JSS, Santos LLB, Salomon IMM, Abrantes MM, Aguiar RALP. Diabetes Gestacional: perfil e evolução de um grupo de pacientes do Hospital das Clínicas da UFMG. *Rev Med Minas Gerais* [Internet]. 2011 Jan/Mar [cited 2020 Mar 19]; 21(1):32–41. Available from: <http://rmmg.org/artigo/detalhes/288>

- Organização Pan-Americana da Saúde, Ministério da Saúde (BR), Federação Brasileira das Associações de Ginecologia e Obstetrícia, Sociedade Brasileira de Diabetes. Rastreamento e diagnóstico de Diabetes Mellitus gestacional no Brasil [Internet]. Brasília: OPAS; 2017 [cited 2020 Mar 21]. Available from: <https://www.diabetes.org.br/profissionais/images/pdf/diabetes-gestacional-relatorio.pdf>
- Röder, P. V., Wu, B., Liu, Y., & Han, W. (2016). Pancreatic regulation of glucose homeostasis. *Experimental & molecular medicine*, 48(3), e219. doi:10.1038/emmm.2016.6
- Said AS, Manji KP. Risk factors and outcomes of fetal macrosomia in a tertiary centre in Tanzania: a case-control study. *BMC Pregnancy Childbirth*. 2016 Aug 24; 16(1):243. Doi: 10.1186/s12884-016-1044-3
- Sociedade Brasileira de Diabetes. Diretrizes da Sociedade Brasileira de Diabetes 2019–2020 [Internet]. São Paulo: SBD; 2020 [cited 2020 Mar 15]. Available from: <https://www.diabetes.org.br/profissionais/images/DIRETRIZES-COMPLETA-2019-2020.pdf>
- Teixeira A.M., Tsukamoto, R., Lopes, C.T., & Silva, R.C.G. (2017). Risk factors for unstable blood glucose level: integrative review of the risk factors related to the nursing diagnosis. *Revista Latino-Americana de Enfermagem*, 25, e2893. Epub June 05, 2017.10.1590/1518-8345.1688.2893
- Tomic V, Misić M, Simić AD, Bosković A, Kresić T, Perić O, Orlović M, eBlagojević IC. Prevalence of gestational diabetes in the southern part of Bosnia and Herzegovina. *Mater Sociomed*. 2016 Oct; 28(5):329–32. doi:10.5455/msm.2016.28.329–332
- Tsai, S., Clemente-Casares, X., Revelo, X. S., Winer, S., & Winer, D. A. (2015). Are Obesity-Related Insulin Resistance and Type 2 Diabetes Autoimmune Diseases? *Diabetes*, 64(6), 1886–1897. doi:10.2337/db14-1488
- Yen IW, Lee CN, Lin MW, Fan KC, Wei JN, Chen KY, et al. Overweight and obesity are associated with clustering of metabolic risk factors in early pregnancy and the risk of GDM. *PLoS One*; 14(12):e0225978. Doi: 10.1371/journal.pone.0225978

Neonatal hyperbilirubinemia (00194)

- American Academy of Pediatrics (2004). Management of hyperbilirubinemia in the newborn infant 35 or more weeks of gestation. *Pediatrics*, 114(1):297–316.
- Beachy, J.M. (2007). Investigating jaundice in the newborn. *Neonatal Network*, 26(5): 327–333.
- Bhutani, V.K., Johnson, L.H., Schwobel, A., & Gennaro, S. (2006). A systems approach for neonatal hyperbilirubinemia in term and near-term newborns. *Journal of Obstetric, Gynecologic & Neonatal Nursing*, 35(4): 444–455.
- Blackburn, S. (1995). Hyperbilirubinemia and neonatal jaundice. *Neonatal Network*, 14(7): 15–25.
- Boyd, S. (2004). Treatment of physiological neonatal jaundice. *Nursing Times*, 100(13): 40–43.
- Cohen, S.M. (2006). Jaundice in the full-term newborn. *Pediatric Nursing*, 32(3): 202–207.
- Gartner, L. & Herschel, M. (2001). Jaundice and breastfeeding. *Pediatric Clinics of North America*, 48(2): 389–399.
- Hillman, N. (2007). Hyperbilirubinemia in the late preterm infant. *Newborn & Infant Nursing Reviews*, 7(2): 91–94.
- Porter M.L. & Dennis, B.L. (2003). Hyperbilirubinemia in the term newborn. *American Family Physician*, 65: 599–606, 613–614.

Risk for neonatal hyperbilirubinemia (00230)

- American Academy of Pediatrics (2004). Management of hyperbilirubinemia in the newborn infant 35 or more weeks of gestation. *Pediatrics*, 114(1):297–316.
- Beachy, J.M. (2007). Investigating jaundice in the newborn. *Neonatal Network*, 26(5): 327–333.
- Bhutani, V.K., Johnson, L.H., Schwoebel, A., & Gennaro, S. (2006). A systems approach for neonatal hyperbilirubinemia in term and near-term newborns. *Journal of Obstetric, Gynecologic & Neonatal Nursing*, 35(4): 444–455.
- Blackburn, S. (1995). Hyperbilirubinemia and neonatal jaundice. *Neonatal Network*, 14(7): 15–25.
- Boyd, S. (2004). Treatment of physiological neonatal jaundice. *Nursing Times*, 100(13): 40–43.
- Cohen, S.M. (2006). Jaundice in the full-term newborn. *Pediatric Nursing*, 32(3): 202–207.
- Gartner, L. & Herschel, M. (2001). Jaundice and breastfeeding. *Pediatric Clinics of North America*, 48(2): 389–399.
- Hillman, N. (2007). Hyperbilirubinemia in the late preterm infant. *Newborn & Infant Nursing Reviews*, 7(2): 91–94.
- Porter M.L. & Dennis, B.L. (2003). Hyperbilirubinemia in the term newborn. *American Family Physician*, 65: 599–606, 613–614.

Risk for impaired liver function (00178)

- AASLD Practice Guideline. Diagnosis, management, and treatment of hepatitis C. Alexandria, VA: American Association for the Study of Liver Diseases; 2004
- Fontana RJ, Lok SF. Noninvasive monitoring of patients with chronic hepatitis C. *Hepatology*. 2002; 36(5) Suppl. 1:S57–S64
- Hoofnagle J. Course and outcome of hepatitis C. *Hepatology*. 2002; 36(5) Suppl. 1:S21–S29
- Laboratory Medicine Practice Guidelines. Laboratory guidelines for screening, diagnosis and monitoring of hepatic injury. Washington DC: National Academy of Clinical Biochemistry; 2000
- National Institute of Diabetes and Digestive and Kidney Diseases. Chronic hepatitis C: Current disease management. Washington DC: US Department of Health and Human Services; 2003
- Palmer M. Hepatitis Liver Disease: What you need to know. Garden City Park, NY. Avery Publishing Group. 2000; 23:26–31

Risk for metabolic syndrome (00296)

- Lipińska A, Koczej-Bremer M, Jankowski K, Agnieszka Kaźmierczak, Michał Ciurzyński, Aisha Ou-Pokrzewińska, Ewelina Mikocka, Zbigniew Lewandowski, Urszula Demkow, Piotr Pruszczyk. Does family history of metabolic syndrome affect the metabolic profile phenotype in young healthy individuals? *Diabetol Metab Syndr*. 2014; 6: 75. Published online 2014 Jun 26. doi:10.1186/1758-5996-6-75 PMID: PMC4096539

2.5 Class 5. Hydration

Risk for electrolyte imbalance (00195)

- Elgart, H.N. (2004). Assessment of fluids and electrolytes. *ACCN Clinical Issues*, 15(4): 607–621.
- Weglicki, W., Quamme, G., Tucker, K., Haigney, M., & Resnick, L. (2005). Potassium, magnesium, and electrolyte imbalance and complications in disease management. *Clinical and Experimental Hypertension*, 27(1): 95–112.

Risk for imbalanced fluid volume (00025)

- Alyeşil C, Doğan NÖ, Özturan İU, et al. Distributive shock in the emergency department: sepsis, anaphylaxis, or capillary leak syndrome? *J Emerg Med*. 2017;52(6): e229–31. doi: 10.1016/j.jemermed.2017.01.012.
- Antlanger M, Josten P, Kammer M, et al. Blood volume-monitored regulation of ultrafiltration to decrease the dry weight in fluid-overloaded hemodialysis patients: a randomized controlled trial. *BMC Nephrol*. 2017;18(1):238. doi:10.1186/s12882-017-0639-x
- Arques S, Ambrosi P. Human serum albumin in the clinical syndrome of heart failure. *J Card Fail*. 2011;17(6):451–8. doi:10.1016/j.cardfail.2011.02.010.
- Balter P, Ficociello LH, Taylor PB, et al. A year-long quality improvement project on fluid management using blood volume monitoring during hemodialysis. *Curr Med Res Opin*. 2015;31(7):1323–31. doi: 10.1185/03007995.2015.1047746.
- Barbieri C, Cattinelli I, Neri L, et al. Development of an artificial intelligence model to guide the management of blood pressure, fluid volume, and dialysis dose in end-stage kidney disease patients: proof of concept and first clinical assessment. *Kidney Dis (Basel)*. 2019;5(1):28–33. doi: 10.1159/000493479.
- Berthelsen RE, Itenov T, Perner A, et al. Forced fluid removal versus usual care in intensive care patients with high-risk acute kidney injury and severe fluid overload (FFAKI): study protocol for a randomised controlled pilot trial. *Trials*. 2017;18(1):189. doi:10.1186/s13063-017-1935-2
- Bighamian R, Reisner AT, Hahn JO. A lumped-parameter subject-specific model of blood volume response to fluid infusion. *Front Physiol*. 2016;7:390. doi:10.3389/fphys.2016.00390
- Cadwallader AB, Torre X, Tieri A, et al. Abuse of diuretics as performance-enhancing drugs and masking agents in sport doping: pharmacology, toxicology and analysis. *Br J Pharmacol*. 2010;161(1):1–16. doi:10.1111/j.1476-5381.2010.00789.x
- Canaud B, Chazot C, Koomans J, Collins A. Manejo hídrico e hemodinâmico em pacientes em hemodiálise: desafios e oportunidades. *J Bras Nefrol*. 2019;41(4):550–9. doi: 10.1590/2175-8239-jbn-2019-0135.
- Changwe GJ, Wenlong Z, Zhang H, et al. Heart in the ‘jaws’ of a constrictor, unusual cause of subacute right heart failure. *J Cardiothorac Surg*. 2019;14:110. doi:10.1186/s13019-019-0916-9.
- Chelazzi C, Villa G, Mancinelli P, et al. Glycocalyx and sepsis-induced alterations in vascular permeability. *Crit Care*. 2015;19(1):26. doi:10.1186/s13054-015-0741-z
- Ciumanghel AI, Grigoras I, Siriopol D, et al. Bio-electrical impedance analysis for peri-operative fluid evaluation in open major abdominal surgery. *J Clin Monit Comput*. 2020;34:421–32. doi:10.1007/s10877-019-00334-8

- D'Angelo A, Amso NN, Hassan R. Coasting (withholding gonadotrophins) for preventing ovarian hyperstimulation syndrome. *Cochrane Database Syst Rev.* 2017;5(5): CD002811. doi:10.1002/14651858.CD002811.pub4
- de Denus S, Rouleau JL, Mann DL, et al. A pharmacogenetic investigation of intravenous furosemide in decompensated heart failure: a meta-analysis of three clinical trials. *Pharmacogenomics J.* 2017;17(2):192–200. doi:10.1038/tpj.2016.4
- Ekinci C, Karabork M, Siriopol D, et al. Effects of volume overload and current techniques for the assessment of fluid status in patients with renal disease. *Blood Purif.* 2018;46(1):34–47. doi: 10.1159/000487702.
- Fouche Y, Sikorski R, Dutton RP. Changing paradigms in surgical resuscitation. *Crit Care Med.* 2010;38(9 Suppl):S411–20. doi:10.1097/CCM.0b013e3181ec5bdf.
- Grant CJ, Wade TP, McKenzie CA, et al. Effect of ultrafiltration during hemodialysis on hepatic and total-body water: an observational study. *BMC Nephrol.* 2018;19:356. doi:10.1186/s12882-018-1150-8
- Greenberg A. Diuretic complications. *American Journal of the Medical Sciences.* 2000;319(1):10–24. doi:10.1016/s0002-9629(15)40676-7
- Gupta P, Patel P, Štrauch B, et al. Risk Factors for Nonadherence to Antihypertensive Treatment. *Hypertension.* 2017;69(6):1113–20. doi:10.1161/HYPERTENSIONA-HA.116.08729
- Gyawali B, Ramakrishna K, Dhamoon AS. Sepsis: the evolution in definition, pathophysiology, and management. *SAGE Open Med.* 2019;21;7:2050312119835043. doi:10.1177/2050312119835043.
- Hale A, Hovey MJ. Fluid volume excess. In: *Fluid, electrolyte, and acid-base imbalances: content review plus practice questions.* Philadelphia: Davis Company; 2013. p. 1–30.
- Hoorn EJ. Intravenous fluids: balancing solutions. *J Nephrol.* 2017;30(4):485–92. doi:10.1007/s40620-016-0363-9.
- Hundeshagen G, Kramer GC, Ribeiro Marques N, et al. Closed-loop and decision-assist-guided fluid therapy of human hemorrhage. *Crit Care Med.* 2017;45(10):e1068–74. doi:10.1097/CCM.0000000000002593
- Ismael S, Savalle M, Trivin C, et al. The consequences of sudden fluid shifts on body composition in critically ill patients. *Crit Care.* 2014;18(2):R49. doi:10.1186/cc13794
- Ismael S, Savalle M, Trivin C, et al. The consequences of sudden fluid shifts on body composition in critically ill patients. *Crit Care.* 2014;18(2):R49. doi:10.1186/cc13794
- Jacob M, Chappell D, Hollmann MW. Current aspects of perioperative fluid handling in vascular surgery. *Curr Opin Anaesthesiol.* 2009;22(1):100–8. doi:10.1097/ACO.0-b013e32831f1c65.
- John B, Tan BK, Dainty S, et al. Plasma volume, albumin, and fluid status in peritoneal dialysis patients. *Clin J Am Soc Nephrol.* 2010;5(8):1463–70. doi:10.2215/CJN.09411209
- Keane DF, Baxter P, Lindley E, et al. Time to reconsider the role of relative blood volume monitoring for fluid management in hemodialysis. *ASAIO Journal.* 2018;64(6):812–8. doi: 10.1097/MAT.0000000000000795
- Khurram M, Qayyum W, Umar M, et al. Ultrasonographic pattern of plasma leak in dengue haemorrhagic fever. *J Pak Med Assoc.* 2016;66(3):260–4.
- Kong Y-G, K J-Y, Yu J. Efficacy and safety of stroke volume variation-guided fluid therapy for reducing blood loss and transfusion requirements during radical cystectomy: A randomized clinical trial: erratum. *Medicine (Baltimore).* 2018;97(23):e11129. doi:10.1097/MD.0000000000001129.

- Kong YG, Kim JY, Yu J, et al. Efficacy and safety of stroke volume variation-guided fluid therapy for reducing blood loss and transfusion requirements during radical cystectomy: a randomized clinical trial. *Medicine (Baltimore)*. 2016;95(19):e3685. doi:10.1097/MD.0000000000003685
- Kronish IM, Woodward M, Sergie Z, et al. Metaanalysis: impact of drug class on adherence to antihypertensives. *Circulation*. 2011;123:1611–21. doi:10.1161/CIRCULATIONAHA.110.983874
- Kuhlmann U, Maierhofer A, Canaud B, et al. Zero diffusive sodium balance in hemodialysis provided by an algorithm-based electrolyte balancing controller: A proof of principle clinical study. *Artif Organs*. 2019;43(2):150–8. doi:10.1111/aor.13328.
- Kumar P, Sait SF, Sharma A, et al. Ovarian hyperstimulation syndrome. *J Hum Reprod Sci*. 2011;4(2):70–5. doi:10.4103/0974–1208.86080
- Lamou H, Grassmann JP, Betsch M, et al. Systemic capillary leak syndrome associated with a rare abdominal and four-limb compartment syndrome: a case report. *J Med Case Rep*. 2014;8:196. doi:10.1186/1752–1947–8-196
- Lee JY, Ryu HS, Yoon SS, et al. Extracellular-to-intracellular fluid volume ratio as a prognostic factor for survival in patients with metastatic cancer. *Integr Cancer Ther*. 2019;18:1534735419847285. doi:10.1177/1534735419847285
- Levey AS, Coresh J. Chronic kidney disease. *Lancet*. 2012;379(9811):165–80. doi:10.1016/S0140–6736(11)60178–5.
- Lorenzo I, Serra-Prat M, Yébenes JC. The role of water homeostasis in muscle function and frailty: A review. *Nutrients*. 2019;11(8):1857. doi:10.3390/nu11081857
- Mascolo M, Chu ES, Mehler. Abuse and clinical value of diuretics in eating disorders therapeutic applications. *Int J Eat Disord*. 2011;44(3):200–2. doi:10.1002/eat.20814.
- Matsuyama K, Koizumi N, Nishibe T, et al. Effects of short-term administration of tolvaptan after open heart surgery. *Int J Cardiol*. 2016;220:192–5. doi:10.1016/j.ijcard.2016.06.156.
- Milazzo V, Cosentino N, Marenzi G. Extracorporeal ultrafiltration for acute heart failure: patient selection and perspectives. *Vasc Health Risk Manag*. 2017;13:449–456. doi:10.2147/VHRM.S128608
- Miller WL, Mullan BP. Understanding the heterogeneity in volume overload and fluid distribution in decompensated heart failure is key to optimal volume management: role for blood volume quantitation. *JACC Heart Fail*. 2014;2(3):298–305. doi:10.1016/j.jchf.2014.02.007.
- Miller WL. Fluid volume overload and congestion in heart failure: time to reconsider pathophysiology and how volume is assessed. *Circ Heart Fail*. 2016;9(8):e002922. doi:10.1161/CIRCHEARTFAILURE.115.002922.
- Montgomery LD, Gerth WA, Montgomery RW, et al. Monitoring intracellular, interstitial, and intravascular volume changes during fluid management procedures. *Med Biol Eng Comput*. 2013;51(10):1167–75. doi:10.1007/s11517–013–1064–3
- Nagayama I, Masuda T, Nakagawa S, et al. Different effects on fluid distribution between tolvaptan and furosemide in a liver cirrhosis patient with chronic kidney disease. *Intern Med*. 2019;58(11):1587–91. doi:10.2169/internalmedicine.2174–18
- Nishikawa H, Yoh K, Enomoto H, et al. Extracellular water to total body water ratio in viral liver diseases: A study using bioimpedance analysis. *Nutrients*. 2018;10(8):1072. doi:10.3390/nu10081072
- Nishikawa H, Yoh K, Enomoto H, et al. Extracellular water to total body water ratio in viral liver diseases: A study using bioimpedance analysis. *Nutrients*. 2018;10(8):1072. doi:10.3390/nu10081072

- Norberg Å, Rooyackers O, Segersvärd R, et al. Leakage of albumin in major abdominal surgery. *Crit Care*. 2016;20(1):113. doi:10.1186/s13054-016-1283-8
- Nwosu AC, Mayland CR, Mason S, et al. The association of hydration status with physical signs, symptoms and survival in advanced cancer-the use of bioelectrical impedance vector analysis (BIVA) technology to evaluate fluid volume in palliative care: an observational study. *PLoS One*. 2016;11(9):e0163114. doi:10.1371/journal.pone.0163114
- Nwosu AC, Mayland CR, Mason S, et al. The association of hydration status with physical signs, symptoms and survival in advanced cancer-the use of bioelectrical impedance vector analysis (BIVA) technology to evaluate fluid volume in palliative care: an observational study. *PLoS One*. 2016;11(9):e0163114. doi:10.1371/journal.pone.0163114
- Ogna A, Forni Ogna V, Mihalache A, et al. Obstructive sleep apnea severity and overnight body fluid shift before and after hemodialysis. *Clin J Am Soc Nephrol*. 2015;10(6):1002-10. doi:10.2215/CJN.08760914
- Ohashi Y, Joki N, Yamazaki K, et al. Changes in the fluid volume balance between intra- and extracellular water in a sample of Japanese adults aged 15-88 yr old: a cross-sectional study. *Am J Physiol Renal Physiol*. 2018;314(4):F614-22. doi:10.1152/ajprenal.00477.2017.
- Orvieto R, Dratviman-Storobinsky O, Lantsberg D, et al. Interleukin-2 and SOCS-1 proteins involvement in the pathophysiology of severe ovarian hyperstimulation syndrome-a preliminary proof of concept. *J Ovarian Res*. 2014;7:106. doi:10.1186/s13048-014-0106-2
- Patton KT, Thibodeau GA. Fluid and electrolyte balance. In: ____ *Anatomy & Physiology*. St Louis: Mosby, 2016. p. 999-1018.
- Pietribiasi M, Waniewski J, Wójcik-Żałuska A, et al. Model of fluid and solute shifts during hemodialysis with active transport of sodium and potassium. *PLoS ONE*. 2018;13(12):e0209553. doi:10.1371/journal.pone.0209553
- Pietribiasi M, Waniewski J, Żałuska A, et al. Modelling transcapillary transport of fluid and proteins in hemodialysis patients. *PLoS ONE*. 2016;11(8):e0159748. doi:10.1371/journal.pone.0159748
- Prakash A, Mathur R. Ovarian hyperstimulation syndrome. *The Obstetrician & Gynaecologist*. 2013;15:31-5. doi:10.1111/j.1744-4667.2012.00153.x
- Premaratna R, Ragupathy A, Miththinda JK, et al. Timing, predictors, and progress of third space fluid accumulation during preliminary phase fluid resuscitation in adult patients with dengue. *Int J Infect Dis*. 2013;17(7):e505-9. doi:10.1016/j.ijid.2012.12.021.
- Raina R, Krishnappa V, Das A, et al. Overview of monogenic or mendelian forms of hypertension. *Front Pediatr*. 2019;7:263. doi:10.3389/fped.2019.00263.
- Riegel B, Lee S, Hill J, et al. Patterns of adherence to diuretics, dietary sodium and fluid intake recommendations in adults with heart failure. *Heart Lung*. 2019;48(3):179-185. doi:10.1016/j.hrtlng.2018.12.008
- Sharma P, Newman K, Long CS, et al. Use of wavelet transform to detect compensated and decompensated stages in the congestive heart failure patient. *Biosensors (Basel)*. 2017;7(3):40. doi:10.3390/bios7030040
- Shatat IF, Becton LJ, Woroniecki RP. Hypertension in childhood nephrotic syndrome. *Front Pediatr*. 2019;7:287. doi:10.3389/fped.2019.00287.

- Simon DA, Taylor TL, Bayley G, et al. Four-limb compartment syndrome associated with the systemic capillary leak syndrome. *J Bone Joint Surg Br.* 2010;92(12):1700–2. doi: 10.1302/0301–620X.92B12.25225.
- Siparsky PN, Kirkendall DT, Garrett WE Jr. Muscle changes in aging: understanding sarcopenia. *Sports Health.* 2014;6(1):36–40. doi:10.1177/1941738113502296
- Site UpToDate. Intraoperative fluid management. [acesso 16 jun 2020]. Disponível em: <https://www.uptodate.com/contents/intraoperative-fluid-management>
- Site UpToDate. Overview of postoperative fluid therapy in adults. [acesso 16 jun 2020]. Disponível em: <https://www.uptodate.com/contents/overview-of-postoperative-fluid-therapy-in-adults>
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471–2369–15–189.
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471–2369–15–189
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471–2369–15–189
- Tanai E, Frantz S. Pathophysiology of heart failure. *Compr Physiol.* 2015;6(1):187–214. doi: 10.1002/cphy.c140055.
- Tigabu BM, Davari M, Kebriaeezadeh A, et al. Fluid volume, fluid balance and patient outcome in severe sepsis and septic shock: a systematic review. *J Crit Care.* 2018;48:153–9. doi: 10.1016/j.jcrc.2018.08.018.
- Tigabu BM, Davari M, Kebriaeezadeh A, et al. Response to letter to the editor: Fluid volume, fluid balance and patient outcome in severe sepsis and septic shock: A systematic review. *J Crit Care.* 2019;50:314–5. doi:10.1016/j.jcrc.2018.11.011.
- Törnudd M, Hahn RG, Zdolsek JH. Fluid distribution kinetics during cardiopulmonary bypass. *Clinics.* 2014;69(8):535–41. doi:10.6061/clinics/2014(08)06
- Tumlin JA, Roy-Chaudhury P, Koplan BA, et al. Relationship between dialytic parameters and reviewer confirmed arrhythmias in hemodialysis patients in the monitoring in dialysis study. *BMC Nephrol.* 2019;20(1):80. doi:10.1186/s12882–019–1212–6.
- Van Buren PN, Zhou Y, Neyra JA, et al. Extracellular volume overload and increased vasoconstriction in patients with recurrent intradialytic hypertension. *Kidney Blood Press Res.* 2016;41(6):802–14. doi:10.1159/000450565

Deficient fluid volume (00027)

- Alyeşil C, Doğan NÖ, Özturan İÜ, et al. Distributive shock in the emergency department: sepsis, anaphylaxis, or capillary leak syndrome? *J Emerg Med.* 2017;52(6): e229–31. doi: 10.1016/j.jemermed.2017.01.012.
- Antlanger M, Josten P, Kammer M, et al. Blood volume-monitored regulation of ultrafiltration to decrease the dry weight in fluid-overloaded hemodialysis patients: a randomized controlled trial. *BMC Nephrol.* 2017;18(1):238. doi:10.1186/s12882–017–0639-x
- Arques S, Ambrosi P. Human serum albumin in the clinical syndrome of heart failure. *J Card Fail.* 2011;17(6):451–8. doi:10.1016/j.cardfail.2011.02.010.

- Balter P, Ficociello LH, Taylor PB, et al. A year-long quality improvement project on fluid management using blood volume monitoring during hemodialysis. *Curr Med Res Opin.* 2015;31(7):1323–31. doi: 10.1185/03007995.2015.1047746.
- Barbieri C, Cattinelli I, Neri L, et al. Development of an artificial intelligence model to guide the management of blood pressure, fluid volume, and dialysis dose in end-stage kidney disease patients: proof of concept and first clinical assessment. *Kidney Dis (Basel).* 2019;5(1):28–33. doi: 10.1159/000493479.
- Berthelsen RE, Itenov T, Perner A, et al. Forced fluid removal versus usual care in intensive care patients with high-risk acute kidney injury and severe fluid overload (FFAKI): study protocol for a randomised controlled pilot trial. *Trials.* 2017;18(1):189. doi:10.1186/s13063-017-1935-2
- Bighamian R, Reisner AT, Hahn JO. A lumped-parameter subject-specific model of blood volume response to fluid infusion. *Front Physiol.* 2016;7:390. doi:10.3389/fphys.2016.00390
- Cadwallader AB, Torre X, Tieri A, et al. Abuse of diuretics as performance-enhancing drugs and masking agents in sport doping: pharmacology, toxicology and analysis. *Br J Pharmacol.* 2010;161(1):1–16. doi:10.1111/j.1476-5381.2010.00789.x
- Canaud B, Chazot C, Koomans J, Collins A. Manejo hídrico e hemodinâmico em pacientes em hemodiálise: desafios e oportunidades. *J Bras Nefrol.* 2019;41(4):550–9. doi: 10.1590/2175-8239-jbn-2019-0135.
- Changwe GJ, Wenlong Z, Zhang H, et al. Heart in the ‘jaws’ of a constrictor, unusual cause of subacute right heart failure. *J Cardiothorac Surg.* 2019;14:110. doi:10.1186/s13019-019-0916-9.
- Chelazzi C, Villa G, Mancinelli P, et al. Glycocalyx and sepsis-induced alterations in vascular permeability. *Crit Care.* 2015;19(1):26. doi:10.1186/s13054-015-0741-z
- Ciumanghel AI, Grigoras I, Siriopol D, et al. Bio-electrical impedance analysis for peri-operative fluid evaluation in open major abdominal surgery. *J Clin Monit Comput.* 2020;34:421–32. doi:10.1007/s10877-019-00334-8
- D’Angelo A, Amso NN, Hassan R. Coasting (withholding gonadotrophins) for preventing ovarian hyperstimulation syndrome. *Cochrane Database Syst Rev.* 2017;5(5): CD002811. doi:10.1002/14651858.CD002811.pub4
- de Denus S, Rouleau JL, Mann DL, et al. A pharmacogenetic investigation of intravenous furosemide in decompensated heart failure: a meta-analysis of three clinical trials. *Pharmacogenomics J.* 2017;17(2):192–200. doi:10.1038/tpj.2016.4
- Ekinci C, Karabork M, Siriopol D, et al. Effects of volume overload and current techniques for the assessment of fluid status in patients with renal disease. *Blood Purif.* 2018;46(1):34–47. doi: 10.1159/000487702.
- Fouche Y, Sikorski R, Dutton RP. Changing paradigms in surgical resuscitation. *Crit Care Med.* 2010;38(9 Suppl):S411–20. doi:10.1097/CCM.0b013e3181ec5bdf.
- Grant CJ, Wade TP, McKenzie CA, et al. Effect of ultrafiltration during hemodialysis on hepatic and total-body water: an observational study. *BMC Nephrol.* 2018;19:356. doi:10.1186/s12882-018-1150-8
- Greenberg A. Diuretic complications. *American Journal of the Medical Sciences.* 2000;319(1):10–24. doi:10.1016/s0002-9629(15)40676-7
- Gupta P, Patel P, Štrauch B, et al. Risk Factors for Nonadherence to Antihypertensive Treatment. *Hypertension.* 2017;69(6):1113–20. doi:10.1161/HYPERTENSIONA-HA.116.08729

- Gyawali B, Ramakrishna K, Dhamoon AS. Sepsis: the evolution in definition, pathophysiology, and management. *SAGE Open Med.* 2019;21;7:2050312119835043. doi:10.1177/2050312119835043.
- Hale A, Hovey MJ. Fluid volume excess. In: *Fluid, electrolyte, and acid-base imbalances: content review plus practice questions*. Philadelphia: Davis Company; 2013. p. 1–30.
- Hoorn EJ. Intravenous fluids: balancing solutions. *J Nephrol.* 2017;30(4):485–92. doi:10.1007/s40620-016-0363-9.
- Hundeshagen G, Kramer GC, Ribeiro Marques N, et al. Closed-loop and decision-assist-guided fluid therapy of human hemorrhage. *Crit Care Med.* 2017;45(10):e1068–74. doi:10.1097/CCM.0000000000002593
- Ismael S, Savalle M, Trivin C, et al. The consequences of sudden fluid shifts on body composition in critically ill patients. *Crit Care.* 2014;18(2):R49. doi:10.1186/cc13794
- Ismael S, Savalle M, Trivin C, et al. The consequences of sudden fluid shifts on body composition in critically ill patients. *Crit Care.* 2014;18(2):R49. doi:10.1186/cc13794
- Jacob M, Chappell D, Hollmann MW. Current aspects of perioperative fluid handling in vascular surgery. *Curr Opin Anaesthesiol.* 2009;22(1):100–8. doi:10.1097/ACO.0-b013e32831f1c65.
- John B, Tan BK, Dainty S, et al. Plasma volume, albumin, and fluid status in peritoneal dialysis patients. *Clin J Am Soc Nephrol.* 2010;5(8):1463–70. doi:10.2215/CJN.09411209
- Keane DF, Baxter P, Lindley E, et al. Time to reconsider the role of relative blood volume monitoring for fluid management in hemodialysis. *ASAIO Journal.* 2018;64(6):812–8. doi: 10.1097/MAT.0000000000000795
- Khurram M, Qayyum W, Umar M, et al. Ultrasonographic pattern of plasma leak in dengue haemorrhagic fever. *J Pak Med Assoc.* 2016;66(3):260–4.
- Kong Y-G, K J-Y, Yu J. Efficacy and safety of stroke volume variation-guided fluid therapy for reducing blood loss and transfusion requirements during radical cystectomy: A randomized clinical trial: erratum. *Medicine (Baltimore).* 2018;97(23):e11129. doi:10.1097/MD.00000000000011129.
- Kong YG, Kim JY, Yu J, et al. Efficacy and safety of stroke volume variation-guided fluid therapy for reducing blood loss and transfusion requirements during radical cystectomy: a randomized clinical trial. *Medicine (Baltimore).* 2016;95(19):e3685. doi:10.1097/MD.0000000000003685
- Kronish IM, Woodward M, Sergie Z, et al. Metaanalysis: impact of drug class on adherence to antihypertensives. *Circulation.* 2011;123:1611–21. doi:10.1161/CIRCULATIONAHA.110.983874
- Kuhlmann U, Maierhofer A, Canaud B, et al. Zero diffusive sodium balance in hemodialysis provided by an algorithm-based electrolyte balancing controller: A proof of principle clinical study. *Artif Organs.* 2019;43(2):150–8. doi:10.1111/aor.13328.
- Kumar P, Sait SF, Sharma A, et al. Ovarian hyperstimulation syndrome. *J Hum Reprod Sci.* 2011;4(2):70–5. doi:10.4103/0974-1208.86080
- Lamou H, Grassmann JP, Betsch M, et al. Systemic capillary leak syndrome associated with a rare abdominal and four-limb compartment syndrome: a case report. *J Med Case Rep.* 2014;8:196. doi:10.1186/1752-1947-8-196
- Lee JY, Ryu HS, Yoon SS, et al. Extracellular-to-intracellular fluid volume ratio as a prognostic factor for survival in patients with metastatic cancer. *Integr Cancer Ther.* 2019;18:1534735419847285. doi:10.1177/1534735419847285

- Levey AS, Coresh J. Chronic kidney disease. *Lancet*. 2012;379(9811):165–80. doi:10.1016/S0140-6736(11)60178-5.
- Lorenzo I, Serra-Prat M, Yébenes JC. The role of water homeostasis in muscle function and frailty: A review. *Nutrients*. 2019;11(8):1857. doi:10.3390/nu11081857
- Mascolo M, Chu ES, Mehler. Abuse and clinical value of diuretics in eating disorders therapeutic applications. *Int J Eat Disord*. 2011;44(3):200–2. doi:10.1002/eat.20814.
- Matsuyama K, Koizumi N, Nishibe T, et al. Effects of short-term administration of tolvaptan after open heart surgery. *Int J Cardiol*. 2016;220:192–5. doi:10.1016/j.ij-card.2016.06.156.
- Milazzo V, Cosentino N, Marenzi G. Extracorporeal ultrafiltration for acute heart failure: patient selection and perspectives. *Vasc Health Risk Manag*. 2017;13:449–456. doi:10.2147/VHRM.S128608
- Miller WL, Mullan BP. Understanding the heterogeneity in volume overload and fluid distribution in decompensated heart failure is key to optimal volume management: role for blood volume quantitation. *JACC Heart Fail*. 2014;2(3):298–305. doi:10.1016/j.jchf.2014.02.007.
- Miller WL. Fluid volume overload and congestion in heart failure: time to reconsider pathophysiology and how volume is assessed. *Circ Heart Fail*. 2016;9(8):e002922. doi:10.1161/CIRCHEARTFAILURE.115.002922.
- Montgomery LD, Gerth WA, Montgomery RW, et al. Monitoring intracellular, interstitial, and intravascular volume changes during fluid management procedures. *Med Biol Eng Comput*. 2013;51(10):1167–75. doi:10.1007/s11517-013-1064-3
- Nagayama I, Masuda T, Nakagawa S, et al. Different effects on fluid distribution between tolvaptan and furosemide in a liver cirrhosis patient with chronic kidney disease. *Intern Med*. 2019;58(11):1587–91. doi:10.2169/internalmedicine.2174-18
- Nishikawa H, Yoh K, Enomoto H, et al. Extracellular water to total body water ratio in viral liver diseases: A study using bioimpedance analysis. *Nutrients*. 2018;10(8):1072. doi:10.3390/nu10081072
- Nishikawa H, Yoh K, Enomoto H, et al. Extracellular water to total body water ratio in viral liver diseases: A study using bioimpedance analysis. *Nutrients*. 2018;10(8):1072. doi:10.3390/nu10081072
- Norberg Å, Rooyackers O, Segersvärd R, et al. Leakage of albumin in major abdominal surgery. *Crit Care*. 2016;20(1):113. doi:10.1186/s13054-016-1283-8
- Nwosu AC, Mayland CR, Mason S, et al. The association of hydration status with physical signs, symptoms and survival in advanced cancer-the use of bioelectrical impedance vector analysis (BIVA) technology to evaluate fluid volume in palliative care: an observational study. *PLoS One*. 2016;11(9):e0163114. doi:10.1371/journal.pone.0163114
- Nwosu AC, Mayland CR, Mason S, et al. The association of hydration status with physical signs, symptoms and survival in advanced cancer-the use of bioelectrical impedance vector analysis (BIVA) technology to evaluate fluid volume in palliative care: an observational study. *PLoS One*. 2016;11(9):e0163114. doi:10.1371/journal.pone.0163114
- Ogna A, Forni Ogna V, Mihalache A, et al. Obstructive sleep apnea severity and overnight body fluid shift before and after hemodialysis. *Clin J Am Soc Nephrol*. 2015;10(6):1002–10. doi:10.2215/CJN.08760914
- Ohashi Y, Joki N, Yamazaki K, et al. Changes in the fluid volume balance between intra- and extracellular water in a sample of Japanese adults aged 15–88 yr old: a

- cross-sectional study. *Am J Physiol Renal Physiol.* 2018;314(4):F614–22. doi:10.1152/ajprenal.00477.2017.
- Orvieto R, Dratviman-Storobinsky O, Lantsberg D, et al. Interleukin-2 and SOCS-1 proteins involvement in the pathophysiology of severe ovarian hyperstimulation syndrome-a preliminary proof of concept. *J Ovarian Res.* 2014;7:106. doi:10.1186/s13048-014-0106-2
- Patton KT, Thibodeau GA. Fluid and electrolyte balance. In: ____ *Anatomy & Physiology.* St Louis: Mosby, 2016. p. 999–1018.
- Pietribiasi M, Waniewski J, Wójcik-Załuska A, et al. Model of fluid and solute shifts during hemodialysis with active transport of sodium and potassium. *PLoS ONE.* 2018;13(12):e0209553. doi:10.1371/journal.pone.0209553
- Pietribiasi M, Waniewski J, Załuska A, et al. Modelling transcapillary transport of fluid and proteins in hemodialysis patients. *PLoS ONE.* 2016;11(8):e0159748. doi:10.1371/journal.pone.0159748
- Prakash A, Mathur R. Ovarian hyperstimulation syndrome. *The Obstetrician & Gynaecologist.* 2013;15:31–5. doi:10.1111/j.1744-4667.2012.00153.x
- Premaratna R, Ragupathy A, Mithithinda JK, et al. Timing, predictors, and progress of third space fluid accumulation during preliminary phase fluid resuscitation in adult patients with dengue. *Int J Infect Dis.* 2013;17(7):e505–9. doi:10.1016/j.ijid.2012.12.021.
- Raina R, Krishnappa V, Das A, et al. Overview of monogenic or mendelian forms of hypertension. *Front Pediatr.* 2019;7:263. doi:10.3389/fped.2019.00263.
- Riegel B, Lee S, Hill J, et al. Patterns of adherence to diuretics, dietary sodium and fluid intake recommendations in adults with heart failure. *Heart Lung.* 2019;48(3):179–185. doi:10.1016/j.hrtlng.2018.12.008
- Sharma P, Newman K, Long CS, et al. Use of wavelet transform to detect compensated and decompensated stages in the congestive heart failure patient. *Biosensors (Basel).* 2017;7(3):40. doi:10.3390/bios7030040
- Shatat IF, Becton LJ, Woroniecki RP. Hypertension in childhood nephrotic syndrome. *Front Pediatr.* 2019;7:287. doi:10.3389/fped.2019.00287.
- Simon DA, Taylor TL, Bayley G, et al. Four-limb compartment syndrome associated with the systemic capillary leak syndrome. *J Bone Joint Surg Br.* 2010;92(12):1700–2. doi: 10.1302/0301-620X.92B12.25225.
- Siparsky PN, Kirkendall DT, Garrett WE Jr. Muscle changes in aging: understanding sarcopenia. *Sports Health.* 2014;6(1):36–40. doi:10.1177/1941738113502296
- Site UpToDate. Intraoperative fluid management. [acesso 16 jun 2020]. Disponível em: <https://www.uptodate.com/contents/intraoperative-fluid-management>
- Site UpToDate. Overview of postoperative fluid therapy in adults. [acesso 16 jun 2020]. Disponível em: <https://www.uptodate.com/contents/overview-of-postoperative-fluid-therapy-in-adults>
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471-2369-15-189.
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471-2369-15-189

- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471-2369-15-189
- Tanai E, Frantz S. Pathophysiology of heart failure. *Compr Physiol.* 2015;6(1):187–214. doi: 10.1002/cphy.c140055.
- Tigabu BM, Davari M, Kebriaeezadeh A, et al. Fluid volume, fluid balance and patient outcome in severe sepsis and septic shock: a systematic review. *J Crit Care.* 2018;48:153–9. doi: 10.1016/j.jcrc.2018.08.018.
- Tigabu BM, Davari M, Kebriaeezadeh A, et al. Response to letter to the editor: Fluid volume, fluid balance and patient outcome in severe sepsis and septic shock: A systematic review. *J Crit Care.* 2019;50:314–5. doi:10.1016/j.jcrc.2018.11.011.
- Törnudd M, Hahn RG, Zdolsek JH. Fluid distribution kinetics during cardiopulmonary bypass. *Clinics.* 2014;69(8):535–41. doi:10.6061/clinics/2014(08)06
- Tumlin JA, Roy-Chaudhury P, Koplan BA, et al. Relationship between dialytic parameters and reviewer confirmed arrhythmias in hemodialysis patients in the monitoring in dialysis study. *BMC Nephrol.* 2019;20(1):80. doi:10.1186/s12882-019-1212-6.
- Van Buren PN, Zhou Y, Neyra JA, et al. Extracellular volume overload and increased vasoconstriction in patients with recurrent intradialytic hypertension. *Kidney Blood Press Res.* 2016;41(6):802–14. doi:10.1159/000450565

Risk for deficient fluid volume (00028)

- Alyeşil C, Doğan NÖ, Özturan İU, et al. Distributive shock in the emergency department: sepsis, anaphylaxis, or capillary leak syndrome? *J Emerg Med.* 2017;52(6): e229–31. doi: 10.1016/j.jemermed.2017.01.012.
- Antlanger M, Josten P, Kammer M, et al. Blood volume-monitored regulation of ultra-filtration to decrease the dry weight in fluid-overloaded hemodialysis patients: a randomized controlled trial. *BMC Nephrol.* 2017;18(1):238. doi:10.1186/s12882-017-0639-x
- Arques S, Ambrosi P. Human serum albumin in the clinical syndrome of heart failure. *J Card Fail.* 2011;17(6):451–8. doi:10.1016/j.cardfail.2011.02.010.
- Balter P, Ficociello LH, Taylor PB, et al. A year-long quality improvement project on fluid management using blood volume monitoring during hemodialysis. *Curr Med Res Opin.* 2015;31(7):1323–31. doi: 10.1185/03007995.2015.1047746.
- Barbieri C, Cattinelli I, Neri L, et al. Development of an artificial intelligence model to guide the management of blood pressure, fluid volume, and dialysis dose in end-stage kidney disease patients: proof of concept and first clinical assessment. *Kidney Dis (Basel).* 2019;5(1):28–33. doi: 10.1159/000493479.
- Berthelsen RE, Itenov T, Perner A, et al. Forced fluid removal versus usual care in intensive care patients with high-risk acute kidney injury and severe fluid overload (FFAKI): study protocol for a randomised controlled pilot trial. *Trials.* 2017;18(1):189. doi:10.1186/s13063-017-1935-2
- Bighamian R, Reisner AT, Hahn JO. A lumped-parameter subject-specific model of blood volume response to fluid infusion. *Front Physiol.* 2016;7:390. doi:10.3389/fphys.2016.00390
- Cadwallader AB, Torre X, Tieri A, et al. Abuse of diuretics as performance-enhancing drugs and masking agents in sport doping: pharmacology, toxicology and analysis. *Br J Pharmacol.* 2010;161(1):1–16. doi:10.1111/j.1476-5381.2010.00789.x

- Canaud B, Chazot C, Koomans J, Collins A. Manejo hídrico e hemodinâmico em pacientes em hemodiálise: desafios e oportunidades. *J Bras Nefrol.* 2019;41(4):550–9. doi: 10.1590/2175–8239-jbn-2019–0135.
- Changwe GJ, Wenlong Z, Zhang H, et al. Heart in the ‘jaws’ of a constrictor, unusual cause of subacute right heart failure. *J Cardiothorac Surg.* 2019;14:110. doi:10.1186/s13019–019–0916–9.
- Chelazzi C, Villa G, Mancinelli P, et al. Glycocalyx and sepsis-induced alterations in vascular permeability. *Crit Care.* 2015;19(1):26. doi:10.1186/s13054–015–0741-z
- Ciumanghel AI, Grigoras I, Siriopol D, et al. Bio-electrical impedance analysis for peri-operative fluid evaluation in open major abdominal surgery. *J Clin Monit Comput.* 2020;34:421–32. doi:10.1007/s10877–019–00334–8
- D'Angelo A, Amso NN, Hassan R. Coasting (withholding gonadotrophins) for preventing ovarian hyperstimulation syndrome. *Cochrane Database Syst Rev.* 2017;5(5): CD002811. doi:10.1002/14651858.CD002811.pub4
- de Denus S, Rouleau JL, Mann DL, et al. A pharmacogenetic investigation of intravenous furosemide in decompensated heart failure: a meta-analysis of three clinical trials. *Pharmacogenomics J.* 2017;17(2):192–200. doi:10.1038/tpj.2016.4
- Ekinci C, Karabork M, Siriopol D, et al. Effects of volume overload and current techniques for the assessment of fluid status in patients with renal disease. *Blood Purif.* 2018;46(1):34–47. doi: 10.1159/000487702.
- Fouche Y, Sikorski R, Dutton RP. Changing paradigms in surgical resuscitation. *Crit Care Med.* 2010;38(9 Suppl):S411–20. doi:10.1097/CCM.0b013e3181ec5bdf.
- Grant CJ, Wade TP, McKenzie CA, et al. Effect of ultrafiltration during hemodialysis on hepatic and total-body water: an observational study. *BMC Nephrol.* 2018;19:356. doi:10.1186/s12882–018–1150–8
- Greenberg A. Diuretic complications. *American Journal of the Medical Sciences.* 2000;319(1):10–24. doi:10.1016/s0002–9629(15)40676–7
- Gupta P, Patel P, Štrauch B, et al. Risk Factors for Nonadherence to Antihypertensive Treatment. *Hypertension.* 2017;69(6):1113–20. doi:10.1161/HYPERTENSIONA-HA.116.08729
- Gyawali B, Ramakrishna K, Dhamoon AS. Sepsis: the evolution in definition, pathophysiology, and management. *SAGE Open Med.* 2019;21;7:2050312119835043. doi:10.1177/2050312119835043.
- Hale A, Hovey MJ. Fluid volume excess. In: ____ Fluid, electrolyte, and acid-base imbalances: content review plus practice questions. Philadelphia: Davis Company; 2013. p. 1–30.
- Hoorn EJ. Intravenous fluids: balancing solutions. *J Nephrol.* 2017;30(4):485–92. doi:10.1007/s40620–016–0363–9.
- Hundeshagen G, Kramer GC, Ribeiro Marques N, et al. Closed-loop and decision-assist-guided fluid therapy of human hemorrhage. *Crit Care Med.* 2017;45(10):e1068–74. doi:10.1097/CCM.0000000000002593
- Ismael S, Savalle M, Trivin C, et al. The consequences of sudden fluid shifts on body composition in critically ill patients. *Crit Care.* 2014;18(2):R49. doi:10.1186/cc13794
- Ismael S, Savalle M, Trivin C, et al. The consequences of sudden fluid shifts on body composition in critically ill patients. *Crit Care.* 2014;18(2):R49. doi:10.1186/cc13794
- Jacob M, Chappell D, Hollmann MW. Current aspects of perioperative fluid handling in vascular surgery. *Curr Opin Anaesthesiol.* 2009;22(1):100–8. doi:10.1097/ACO.0-b013e32831f1c65.

- John B, Tan BK, Dainty S, et al. Plasma volume, albumin, and fluid status in peritoneal dialysis patients. *Clin J Am Soc Nephrol*. 2010;5(8):1463–70. doi:10.2215/CJN.09411209
- Keane DF, Baxter P, Lindley E, et al. Time to reconsider the role of relative blood volume monitoring for fluid management in hemodialysis. *ASAIO Journal*. 2018;64(6):812–8. doi: 10.1097/MAT.0000000000000795
- Khurram M, Qayyum W, Umar M, et al. Ultrasonographic pattern of plasma leak in dengue haemorrhagic fever. *J Pak Med Assoc*. 2016;66(3):260–4.
- Kong Y-G, K J-Y, Yu J. Efficacy and safety of stroke volume variation-guided fluid therapy for reducing blood loss and transfusion requirements during radical cystectomy: A randomized clinical trial: erratum. *Medicine (Baltimore)*. 2018;97(23):e11129. doi:10.1097/MD.00000000000011129.
- Kong YG, Kim JY, Yu J, et al. Efficacy and safety of stroke volume variation-guided fluid therapy for reducing blood loss and transfusion requirements during radical cystectomy: a randomized clinical trial. *Medicine (Baltimore)*. 2016;95(19):e3685. doi:10.1097/MD.00000000000003685
- Kronish IM, Woodward M, Sergie Z, et al. Metaanalysis: impact of drug class on adherence to antihypertensives. *Circulation*. 2011;123:1611–21. doi:10.1161/CIRCULATIONAHA.110.983874
- Kuhlmann U, Maierhofer A, Canaud B, et al. Zero diffusive sodium balance in hemodialysis provided by an algorithm-based electrolyte balancing controller: A proof of principle clinical study. *Artif Organs*. 2019;43(2):150–8. doi:10.1111/aor.13328.
- Kumar P, Sait SF, Sharma A, et al. Ovarian hyperstimulation syndrome. *J Hum Reprod Sci*. 2011;4(2):70–5. doi:10.4103/0974–1208.86080
- Lamou H, Grassmann JP, Betsch M, et al. Systemic capillary leak syndrome associated with a rare abdominal and four-limb compartment syndrome: a case report. *J Med Case Rep*. 2014;8:196. doi:10.1186/1752–1947–8-196
- Lee JY, Ryu HS, Yoon SS, et al. Extracellular-to-intracellular fluid volume ratio as a prognostic factor for survival in patients with metastatic cancer. *Integr Cancer Ther*. 2019;18:1534735419847285. doi:10.1177/1534735419847285
- Levey AS, Coresh J. Chronic kidney disease. *Lancet*. 2012;379(9811):165–80. doi: 10.1016/S0140–6736(11)60178–5.
- Lorenzo I, Serra-Prat M, Yébenes JC. The role of water homeostasis in muscle function and frailty: A review. *Nutrients*. 2019;11(8):1857. doi:10.3390/nu11081857
- Mascolo M, Chu ES, Mehler. Abuse and clinical value of diuretics in eating disorders therapeutic applications. *Int J Eat Disord*. 2011;44(3):200–2. doi:10.1002/eat.20814.
- Matsuyama K, Koizumi N, Nishibe T, et al. Effects of short-term administration of tolvaptan after open heart surgery. *Int J Cardiol*. 2016;220:192–5. doi:10.1016/j.ij-card.2016.06.156.
- Milazzo V, Cosentino N, Marenzi G. Extracorporeal ultrafiltration for acute heart failure: patient selection and perspectives. *Vasc Health Risk Manag*. 2017;13:449–456. doi:10.2147/VHRM.S128608
- Miller WL, Mullan BP. Understanding the heterogeneity in volume overload and fluid distribution in decompensated heart failure is key to optimal volume management: role for blood volume quantitation. *JACC Heart Fail*. 2014;2(3):298–305. doi:10.1016/j.jchf.2014.02.007.
- Miller WL. Fluid volume overload and congestion in heart failure: time to reconsider pathophysiology and how volume is assessed. *Circ Heart Fail*. 2016;9(8):e002922. doi: 10.1161/CIRCHEARTFAILURE.115.002922.

- Montgomery LD, Gerth WA, Montgomery RW, et al. Monitoring intracellular, interstitial, and intravascular volume changes during fluid management procedures. *Med Biol Eng Comput.* 2013;51(10):1167–75. doi:10.1007/s11517-013-1064-3
- Nagayama I, Masuda T, Nakagawa S, et al. Different effects on fluid distribution between tolvaptan and furosemide in a liver cirrhosis patient with chronic kidney disease. *Intern Med.* 2019;58(11):1587–91. doi:10.2169/internalmedicine.2174-18
- Nishikawa H, Yoh K, Enomoto H, et al. Extracellular water to total body water ratio in viral liver diseases: A study using bioimpedance analysis. *Nutrients.* 2018;10(8):1072. doi:10.3390/nu10081072
- Nishikawa H, Yoh K, Enomoto H, et al. Extracellular water to total body water ratio in viral liver diseases: A study using bioimpedance analysis. *Nutrients.* 2018;10(8):1072. doi:10.3390/nu10081072
- Norberg Å, Rooyackers O, Segersvärd R, et al. Leakage of albumin in major abdominal surgery. *Crit Care.* 2016;20(1):113. doi:10.1186/s13054-016-1283-8
- Nwosu AC, Mayland CR, Mason S, et al. The association of hydration status with physical signs, symptoms and survival in advanced cancer-the use of bioelectrical impedance vector analysis (BIVA) technology to evaluate fluid volume in palliative care: an observational study. *PLoS One.* 2016;11(9):e0163114. doi:10.1371/journal.pone.0163114
- Nwosu AC, Mayland CR, Mason S, et al. The association of hydration status with physical signs, symptoms and survival in advanced cancer-the use of bioelectrical impedance vector analysis (BIVA) technology to evaluate fluid volume in palliative care: an observational study. *PLoS One.* 2016;11(9):e0163114. doi:10.1371/journal.pone.0163114
- Ogna A, Forni Ogna V, Mihalache A, et al. Obstructive sleep apnea severity and overnight body fluid shift before and after hemodialysis. *Clin J Am Soc Nephrol.* 2015;10(6):1002–10. doi:10.2215/CJN.08760914
- Ohashi Y, Joki N, Yamazaki K, et al. Changes in the fluid volume balance between intra- and extracellular water in a sample of Japanese adults aged 15–88 yr old: a cross-sectional study. *Am J Physiol Renal Physiol.* 2018;314(4):F614–22. doi:10.1152/ajprenal.00477.2017.
- Orvieto R, Dratviman-Storobinsky O, Lantsberg D, et al. Interleukin-2 and SOCS-1 proteins involvement in the pathophysiology of severe ovarian hyperstimulation syndrome-a preliminary proof of concept. *J Ovarian Res.* 2014;7:106. doi:10.1186/s13048-014-0106-2
- Patton KT, Thibodeau GA. Fluid and electrolyte balance. In: ____ *Anatomy & Physiology.* St Louis: Mosby, 2016. p. 999–1018.
- Pietribiasi M, Waniewski J, Wójcik-Zańska A, et al. Model of fluid and solute shifts during hemodialysis with active transport of sodium and potassium. *PLoS ONE.* 2018;13(12):e0209553. doi:10.1371/journal.pone.0209553
- Pietribiasi M, Waniewski J, Zańska A, et al. Modelling transcapillary transport of fluid and proteins in hemodialysis patients. *PLoS ONE.* 2016;11(8):e0159748. doi:10.1371/journal.pone.0159748
- Prakash A, Mathur R. Ovarian hyperstimulation syndrome. *The Obstetrician & Gynaecologist.* 2013;15:31–5. doi:10.1111/j.1744-4667.2012.00153.x
- Premaratna R, Ragupathy A, Miththinda JK, et al. Timing, predictors, and progress of third space fluid accumulation during preliminary phase fluid resuscitation in adult patients with dengue. *Int J Infect Dis.* 2013;17(7):e505–9. doi:10.1016/j.ijid.2012.12.021.

- Raina R, Krishnappa V, Das A, et al. Overview of monogenic or mendelian forms of hypertension. *Front Pediatr.* 2019;7:263. doi:10.3389/fped.2019.00263.
- Riegel B, Lee S, Hill J, et al. Patterns of adherence to diuretics, dietary sodium and fluid intake recommendations in adults with heart failure. *Heart Lung.* 2019;48(3):179–185. doi:10.1016/j.hrtlng.2018.12.008
- Sharma P, Newman K, Long CS, et al. Use of wavelet transform to detect compensated and decompensated stages in the congestive heart failure patient. *Biosensors (Basel).* 2017;7(3):40. doi:10.3390/bios7030040
- Shatat IF, Becton LJ, Woroniecki RP. Hypertension in childhood nephrotic syndrome. *Front Pediatr.* 2019;7:287. doi:10.3389/fped.2019.00287.
- Simon DA, Taylor TL, Bayley G, et al. Four-limb compartment syndrome associated with the systemic capillary leak syndrome. *J Bone Joint Surg Br.* 2010;92(12):1700–2. doi: 10.1302/0301–620X.92B12.25225.
- Siparsky PN, Kirkendall DT, Garrett WE Jr. Muscle changes in aging: understanding sarcopenia. *Sports Health.* 2014;6(1):36–40. doi:10.1177/1941738113502296
- Site UpToDate. Intraoperative fluid management. [acesso 16 jun 2020]. Disponível em: <https://www.uptodate.com/contents/intraoperative-fluid-management>
- Site UpToDate. Overview of postoperative fluid therapy in adults. [acesso 16 jun 2020]. Disponível em: <https://www.uptodate.com/contents/overview-of-postoperative-fluid-therapy-in-adults>
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471–2369–15–189.
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471–2369–15–189
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471–2369–15–189
- Tanai E, Frantz S. Pathophysiology of heart failure. *Compr Physiol.* 2015;6(1):187–214. doi: 10.1002/cphy.c140055.
- Tigabu BM, Davari M, Kebriaeezadeh A, et al. Fluid volume, fluid balance and patient outcome in severe sepsis and septic shock: a systematic review. *J Crit Care.* 2018;48:153–9. doi: 10.1016/j.jcrc.2018.08.018.
- Tigabu BM, Davari M, Kebriaeezadeh A, et al. Response to letter to the editor: Fluid volume, fluid balance and patient outcome in severe sepsis and septic shock: A systematic review. *J Crit Care.* 2019;50:314–5. doi:10.1016/j.jcrc.2018.11.011.
- Törnudd M, Hahn RG, Zdolsek JH. Fluid distribution kinetics during cardiopulmonary bypass. *Clinics.* 2014;69(8):535–41. doi:10.6061/clinics/2014(08)06
- Tumlin JA, Roy-Chaudhury P, Koplan BA, et al. Relationship between dialytic parameters and reviewer confirmed arrhythmias in hemodialysis patients in the monitoring in dialysis study. *BMC Nephrol.* 2019;20(1):80. doi:10.1186/s12882–019–1212–6.
- Van Buren PN, Zhou Y, Neyra JA, et al. Extracellular volume overload and increased vasoconstriction in patients with recurrent intradialytic hypertension. *Kidney Blood Press Res.* 2016;41(6):802–14. doi:10.1159/000450565

Excess fluid volume (00026)

- Alyeşil C, Doğan NÖ, Özturan İU, et al. Distributive shock in the emergency department: sepsis, anaphylaxis, or capillary leak syndrome? *J Emerg Med.* 2017;52(6): e229–31. doi: 10.1016/j.jemermed.2017.01.012.
- Antlanger M, Josten P, Kammer M, et al. Blood volume-monitored regulation of ultra-filtration to decrease the dry weight in fluid-overloaded hemodialysis patients: a randomized controlled trial. *BMC Nephrol.* 2017;18(1):238. doi:10.1186/s12882-017-0639-x
- Arques S, Ambrosi P. Human serum albumin in the clinical syndrome of heart failure. *J Card Fail.* 2011;17(6):451–8. doi:10.1016/j.cardfail.2011.02.010.
- Balter P, Ficociello LH, Taylor PB, et al. A year-long quality improvement project on fluid management using blood volume monitoring during hemodialysis. *Curr Med Res Opin.* 2015;31(7):1323–31. doi: 10.1185/03007995.2015.1047746.
- Barbieri C, Cattinelli I, Neri L, et al. Development of an artificial intelligence model to guide the management of blood pressure, fluid volume, and dialysis dose in end-stage kidney disease patients: proof of concept and first clinical assessment. *Kidney Dis (Basel).* 2019;5(1):28–33. doi: 10.1159/000493479.
- Berthelsen RE, Itenov T, Perner A, et al. Forced fluid removal versus usual care in intensive care patients with high-risk acute kidney injury and severe fluid overload (FFAKI): study protocol for a randomised controlled pilot trial. *Trials.* 2017;18(1):189. doi:10.1186/s13063-017-1935-2
- Bighamian R, Reisner AT, Hahn JO. A lumped-parameter subject-specific model of blood volume response to fluid infusion. *Front Physiol.* 2016;7:390. doi:10.3389/fphys.2016.00390
- Cadwallader AB, Torre X, Tieri A, et al. Abuse of diuretics as performance-enhancing drugs and masking agents in sport doping: pharmacology, toxicology and analysis. *Br J Pharmacol.* 2010;161(1):1–16. doi:10.1111/j.1476-5381.2010.00789.x
- Canaud B, Chazot C, Koomans J, Collins A. Manejo hídrico e hemodinâmico em pacientes em hemodiálise: desafios e oportunidades. *J Bras Nefrol.* 2019;41(4):550–9. doi: 10.1590/2175-8239-jbn-2019-0135.
- Changwe GJ, Wenlong Z, Zhang H, et al. Heart in the ‘jaws’ of a constrictor, unusual cause of subacute right heart failure. *J Cardiothorac Surg.* 2019;14:110. doi:10.1186/s13019-019-0916-9.
- Chelazzi C, Villa G, Mancinelli P, et al. Glycocalyx and sepsis-induced alterations in vascular permeability. *Crit Care.* 2015;19(1):26. doi:10.1186/s13054-015-0741-z
- Ciumanghel AI, Grigoras I, Siriopol D, et al. Bio-electrical impedance analysis for peri-operative fluid evaluation in open major abdominal surgery. *J Clin Monit Comput.* 2020;34:421–32. doi:10.1007/s10877-019-00334-8
- D'Angelo A, Amso NN, Hassan R. Coasting (withholding gonadotrophins) for preventing ovarian hyperstimulation syndrome. *Cochrane Database Syst Rev.* 2017;5(5): CD002811. doi:10.1002/14651858.CD002811.pub4
- de Denus S, Rouleau JL, Mann DL, et al. A pharmacogenetic investigation of intravenous furosemide in decompensated heart failure: a meta-analysis of three clinical trials. *Pharmacogenomics J.* 2017;17(2):192–200. doi:10.1038/tpj.2016.4
- Ekinci C, Karabork M, Siriopol D, et al. Effects of volume overload and current techniques for the assessment of fluid status in patients with renal disease. *Blood Purif.* 2018;46(1):34–47. doi: 10.1159/000487702.
- Fouche Y, Sikorski R, Dutton RP. Changing paradigms in surgical resuscitation. *Crit Care Med.* 2010;38(9 Suppl):S411–20. doi:10.1097/CCM.0b013e3181ec5bdf.

- Grant CJ, Wade TP, McKenzie CA, et al. Effect of ultrafiltration during hemodialysis on hepatic and total-body water: an observational study. *BMC Nephrol.* 2018;19:356. doi:10.1186/s12882-018-1150-8
- Greenberg A. Diuretic complications. *American Journal of the Medical Sciences.* 2000;319(1):10-24. doi:10.1016/s0002-9629(15)40676-7
- Gupta P, Patel P, Štrauch B, et al. Risk Factors for Nonadherence to Antihypertensive Treatment. *Hypertension.* 2017;69(6):1113-20. doi:10.1161/HYPERTENSIONA-HA.116.08729
- Gyawali B, Ramakrishna K, Dhamoon AS. Sepsis: the evolution in definition, pathophysiology, and management. *SAGE Open Med.* 2019;21;7:2050312119835043. doi:10.1177/2050312119835043.
- Hale A, Hovey MJ. Fluid volume excess. In: ____ Fluid, electrolyte, and acid-base imbalances: content review plus practice questions. Philadelphia: Davis Company; 2013. p. 1-30.
- Hoorn EJ. Intravenous fluids: balancing solutions. *J Nephrol.* 2017;30(4):485-92. doi:10.1007/s40620-016-0363-9.
- Hundesdalen G, Kramer GC, Ribeiro Marques N, et al. Closed-loop and decision-assist-guided fluid therapy of human hemorrhage. *Crit Care Med.* 2017;45(10):e1068-74. doi:10.1097/CCM.0000000000002593
- Ismael S, Savalle M, Trivin C, et al. The consequences of sudden fluid shifts on body composition in critically ill patients. *Crit Care.* 2014;18(2):R49. doi:10.1186/cc13794
- Ismael S, Savalle M, Trivin C, et al. The consequences of sudden fluid shifts on body composition in critically ill patients. *Crit Care.* 2014;18(2):R49. doi:10.1186/cc13794
- Jacob M, Chappell D, Hollmann MW. Current aspects of perioperative fluid handling in vascular surgery. *Curr Opin Anaesthesiol.* 2009;22(1):100-8. doi:10.1097/ACO.0-b013e32831f1c65.
- John B, Tan BK, Dainty S, et al. Plasma volume, albumin, and fluid status in peritoneal dialysis patients. *Clin J Am Soc Nephrol.* 2010;5(8):1463-70. doi:10.2215/CJN.09411209
- Keane DF, Baxter P, Lindley E, et al. Time to reconsider the role of relative blood volume monitoring for fluid management in hemodialysis. *ASAIO Journal.* 2018;64(6):812-8. doi: 10.1097/MAT.0000000000000795
- Khurram M, Qayyum W, Umar M, et al. Ultrasonographic pattern of plasma leak in dengue haemorrhagic fever. *J Pak Med Assoc.* 2016;66(3):260-4.
- Kong Y-G, K J-Y, Yu J. Efficacy and safety of stroke volume variation-guided fluid therapy for reducing blood loss and transfusion requirements during radical cystectomy: A randomized clinical trial: erratum. *Medicine (Baltimore).* 2018;97(23):e11129. doi:10.1097/MD.0000000000001129.
- Kong YG, Kim JY, Yu J, et al. Efficacy and safety of stroke volume variation-guided fluid therapy for reducing blood loss and transfusion requirements during radical cystectomy: a randomized clinical trial. *Medicine (Baltimore).* 2016;95(19):e3685. doi:10.1097/MD.0000000000003685
- Kronish IM, Woodward M, Sergie Z, et al. Metaanalysis: impact of drug class on adherence to antihypertensives. *Circulation.* 2011;123:1611-21. doi:10.1161/CIRCULATIONAHA.110.983874
- Kuhlmann U, Maierhofer A, Canaud B, et al. Zero diffusive sodium balance in hemodialysis provided by an algorithm-based electrolyte balancing controller: A proof of principle clinical study. *Artif Organs.* 2019;43(2):150-8. doi:10.1111/aor.13328.

- Kumar P, Sait SF, Sharma A, et al. Ovarian hyperstimulation syndrome. *J Hum Reprod Sci.* 2011;4(2):70–5. doi:10.4103/0974–1208.86080
- Lamou H, Grassmann JP, Betsch M, et al. Systemic capillary leak syndrome associated with a rare abdominal and four-limb compartment syndrome: a case report. *J Med Case Rep.* 2014;8:196. doi:10.1186/1752–1947–8-196
- Lee JY, Ryu HS, Yoon SS, et al. Extracellular-to-intracellular fluid volume ratio as a prognostic factor for survival in patients with metastatic cancer. *Integr Cancer Ther.* 2019;18:1534735419847285. doi:10.1177/1534735419847285
- Levey AS, Coresh J. Chronic kidney disease. *Lancet.* 2012;379(9811):165–80. doi:10.1016/S0140–6736(11)60178–5.
- Lorenzo I, Serra-Prat M, Yébenes JC. The role of water homeostasis in muscle function and frailty: A review. *Nutrients.* 2019;11(8):1857. doi:10.3390/nu11081857
- Mascolo M, Chu ES, Mehler. Abuse and clinical value of diuretics in eating disorders therapeutic applications. *Int J Eat Disord.* 2011;44(3):200–2. doi:10.1002/eat.20814.
- Matsuyama K, Koizumi N, Nishibe T, et al. Effects of short-term administration of tolvaptan after open heart surgery. *Int J Cardiol.* 2016;220:192–5. doi:10.1016/j.ijcard.2016.06.156.
- Milazzo V, Cosentino N, Marenzi G. Extracorporeal ultrafiltration for acute heart failure: patient selection and perspectives. *Vasc Health Risk Manag.* 2017;13:449–456. doi:10.2147/VHRM.S128608
- Miller WL, Mullan BP. Understanding the heterogeneity in volume overload and fluid distribution in decompensated heart failure is key to optimal volume management: role for blood volume quantitation. *JACC Heart Fail.* 2014;2(3):298–305. doi:10.1016/j.jchf.2014.02.007.
- Miller WL. Fluid volume overload and congestion in heart failure: time to reconsider pathophysiology and how volume is assessed. *Circ Heart Fail.* 2016;9(8):e002922. doi:10.1161/CIRCHEARTFAILURE.115.002922.
- Montgomery LD, Gerth WA, Montgomery RW, et al. Monitoring intracellular, interstitial, and intravascular volume changes during fluid management procedures. *Med Biol Eng Comput.* 2013;51(10):1167–75. doi:10.1007/s11517–013–1064–3
- Nagayama I, Masuda T, Nakagawa S, et al. Different effects on fluid distribution between tolvaptan and furosemide in a liver cirrhosis patient with chronic kidney disease. *Intern Med.* 2019;58(11):1587–91. doi:10.2169/internalmedicine.2174–18
- Nishikawa H, Yoh K, Enomoto H, et al. Extracellular water to total body water ratio in viral liver diseases: A study using bioimpedance analysis. *Nutrients.* 2018;10(8):1072. doi:10.3390/nu10081072
- Nishikawa H, Yoh K, Enomoto H, et al. Extracellular water to total body water ratio in viral liver diseases: A study using bioimpedance analysis. *Nutrients.* 2018;10(8):1072. doi:10.3390/nu10081072
- Norberg Å, Rooyackers O, Segersvärd R, et al. Leakage of albumin in major abdominal surgery. *Crit Care.* 2016;20(1):113. doi:10.1186/s13054–016–1283–8
- Nwosu AC, Mayland CR, Mason S, et al. The association of hydration status with physical signs, symptoms and survival in advanced cancer-the use of bioelectrical impedance vector analysis (BIVA) technology to evaluate fluid volume in palliative care: an observational study. *PLoS One.* 2016;11(9):e0163114. doi:10.1371/journal.pone.0163114
- Nwosu AC, Mayland CR, Mason S, et al. The association of hydration status with physical signs, symptoms and survival in advanced cancer-the use of bioelectrical impedance vector analysis (BIVA) technology to evaluate fluid volume in palliative care:

- an observational study. *PLoS One*. 2016;11(9):e0163114. doi:10.1371/journal.pone.0163114
- Ogna A, Forni Ogna V, Mihalache A, et al. Obstructive sleep apnea severity and overnight body fluid shift before and after hemodialysis. *Clin J Am Soc Nephrol*. 2015;10(6):1002–10. doi:10.2215/CJN.08760914
- Ohashi Y, Joki N, Yamazaki K, et al. Changes in the fluid volume balance between intra- and extracellular water in a sample of Japanese adults aged 15–88 yr old: a cross-sectional study. *Am J Physiol Renal Physiol*. 2018;314(4):F614–22. doi:10.1152/ajprenal.00477.2017.
- Orvieto R, Dratviman-Storobinsky O, Lantsberg D, et al. Interleukin-2 and SOCS-1 proteins involvement in the pathophysiology of severe ovarian hyperstimulation syndrome-a preliminary proof of concept. *J Ovarian Res*. 2014;7:106. doi:10.1186/s13048-014-0106-2
- Patton KT, Thibodeau GA. Fluid and electrolyte balance. In: ____ *Anatomy & Physiology*. St Louis: Mosby, 2016. p. 999–1018.
- Pietribiasi M, Waniewski J, Wójcik-Załuska A, et al. Model of fluid and solute shifts during hemodialysis with active transport of sodium and potassium. *PLoS ONE*. 2018;13(12):e0209553. doi:10.1371/journal.pone.0209553
- Pietribiasi M, Waniewski J, Załuska A, et al. Modelling transcapillary transport of fluid and proteins in hemodialysis patients. *PLoS ONE*. 2016;11(8):e0159748. doi:10.1371/journal.pone.0159748
- Prakash A, Mathur R. Ovarian hyperstimulation syndrome. *The Obstetrician & Gynaecologist*. 2013;15:31–5. doi:10.1111/j.1744-4667.2012.00153.x
- Premaratna R, Ragupathy A, Miththinda JK, et al. Timing, predictors, and progress of third space fluid accumulation during preliminary phase fluid resuscitation in adult patients with dengue. *Int J Infect Dis*. 2013;17(7):e505–9. doi:10.1016/j.ijid.2012.12.021.
- Raina R, Krishnappa V, Das A, et al. Overview of monogenic or mendelian forms of hypertension. *Front Pediatr*. 2019;7:263. doi:10.3389/fped.2019.00263.
- Riegel B, Lee S, Hill J, et al. Patterns of adherence to diuretics, dietary sodium and fluid intake recommendations in adults with heart failure. *Heart Lung*. 2019;48(3):179–185. doi:10.1016/j.hrtlng.2018.12.008
- Sharma P, Newman K, Long CS, et al. Use of wavelet transform to detect compensated and decompensated stages in the congestive heart failure patient. *Biosensors (Basel)*. 2017;7(3):40. doi:10.3390/bios7030040
- Shatat IF, Becton LJ, Woroniecki RP. Hypertension in childhood nephrotic syndrome. *Front Pediatr*. 2019;7:287. doi:10.3389/fped.2019.00287.
- Simon DA, Taylor TL, Bayley G, et al. Four-limb compartment syndrome associated with the systemic capillary leak syndrome. *J Bone Joint Surg Br*. 2010;92(12):1700–2. doi: 10.1302/0301-620X.92B12.25225.
- Siparsky PN, Kirkendall DT, Garrett WE Jr. Muscle changes in aging: understanding sarcopenia. *Sports Health*. 2014;6(1):36–40. doi:10.1177/1941738113502296
- Site UpToDate. Intraoperative fluid management. [acesso 16 jun 2020]. Disponível em: <https://www.uptodate.com/contents/intraoperative-fluid-management>
- Site UpToDate. Overview of postoperative fluid therapy in adults. [acesso 16 jun 2020]. Disponível em: <https://www.uptodate.com/contents/overview-of-postoperative-fluid-therapy-in-adults>
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic

- kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471-2369-15-189.
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471-2369-15-189
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol.* 2014;15:189. doi:10.1186/1471-2369-15-189
- Tanai E, Frantz S. Pathophysiology of heart failure. *Compr Physiol.* 2015;6(1):187-214. doi: 10.1002/cphy.c140055.
- Tigabu BM, Davari M, Kebriaeezadeh A, et al. Fluid volume, fluid balance and patient outcome in severe sepsis and septic shock: a systematic review. *J Crit Care.* 2018;48:153-9. doi: 10.1016/j.jcrc.2018.08.018.
- Tigabu BM, Davari M, Kebriaeezadeh A, et al. Response to letter to the editor: Fluid volume, fluid balance and patient outcome in severe sepsis and septic shock: A systematic review. *J Crit Care.* 2019;50:314-5. doi:10.1016/j.jcrc.2018.11.011.
- Törnudd M, Hahn RG, Zdolsek JH. Fluid distribution kinetics during cardiopulmonary bypass. *Clinics.* 2014;69(8):535-41. doi:10.6061/clinics/2014(08)06
- Tumlin JA, Roy-Chaudhury P, Koplan BA, et al. Relationship between dialytic parameters and reviewer confirmed arrhythmias in hemodialysis patients in the monitoring in dialysis study. *BMC Nephrol.* 2019;20(1):80. doi:10.1186/s12882-019-1212-6.
- Van Buren PN, Zhou Y, Neyra JA, et al. Extracellular volume overload and increased vasoconstriction in patients with recurrent intradialytic hypertension. *Kidney Blood Press Res.* 2016;41(6):802-14. doi:10.1159/000450565

3 Domain 3. Elimination and exchange

3.1 Class 1. Urinary function

Disability-associated urinary incontinence (00297)

- Abrams P, Cardozo L, Fall M, Griffiths D, Rosler P, Ulmsten U, et al. The standardisation of terminology of lower urinary tract function: Report from the Standardisation Sub-committee of the International Continence Society. *Neurourol Urodynam.* 2002;21(2):167–78. doi:10.1002/nau.10052
- Anger TJ, Saigal CS, Stothers L, Thom DH, Rodriguez LV, Litwin MS, et al. The prevalence of urinary incontinence among community dwelling men: Results from the National Health and Nutrition Examination Survey. *J Urol.* 2006; 176(5): 2103–8. doi:10.1016/j.juro.2006.07.029
- Aoki Y, Brown HW, Brubaker L, Cornu JN, Daly JO, Cartwright R. Urinary incontinence in women. *Nat Rev Dis Primers.* 2017;6(3):17042. doi:10.1038/nrdp.2017.42.
- Apostolidis A, Drake MJ, Emmanuel A, Gajewski J, Hamid R, Heesakkers J et al. Neurologic urinary and faecal incontinence. Committee 10. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence.* 6th Edition. Tokyo: 6th International Consultation on Incontinence; 2016. p.1093–308.
- Blaivas JG. Overactive bladder and the definition of urgency. *Neurourol Urodynam.* 2007; 26(6):757–8. doi:10.1002/nau.20429
- Bortz WM 2nd. A conceptual framework of frailty: A review. *J Gerontol A Sci Med Sci.* 2002; 57(5); M283–8.
- Botlero R, Davis SR, Urquhart DM, Shortreed S, Bell RJ. Age-specific prevalence of, and factors associated with, different types of urinary incontinence in community-dwelling Australian women assessed with a validated questionnaire. *Maturitas.* 2009; 62(2):134–9. doi: 10.1016/j.maturitas.2008.12.017
- Brown S, Gartland D, Donath S, MacArthur C. Effects of prolonged second stage, method of birth, timing of caesarean section and other obstetric risk factors on post-natal urinary incontinence: An Australian nulliparous cohort study. *BJOG.* 2011;118 (8): 991–1000. doi: 10.1111/j.1471–0528.2011.02928.x
- Burti JS, Santos AMB, Pereira RAR, Zambon JP, Marques AP. Prevalence and clinical characteristics of urinary incontinence in elderly individuals of a low income. *Arch Gerontol Geriatr.* 2012; 54(2): e42–6. doi:10.1016/j.archger.2011.04.004.
- Cardozo L, Chapple CR, Dmochowski R, Fitzgerald MP, Hanno P, Michel MC et al. Urinary urgency – translating the evidence base into daily clinical practice. *Int J Clin Pract.* 2009; 63(12): 1675–82. doi.org/10.1111/j.1742–1241.2009.02205.x
- Chaing JC, Ouslander J, Schnelle J, Reuben DB. Dually incontinent nursing home residents: clinical characteristics and treatment differences. *J Am Geriatr Soc.* 2000; 48 (6): 673–6. doi:10.1111/j.1532–5415.2000.tb04727.x
- Chen SH. Differential diagnosis of urinary incontinence. *Tzu Chi Med J.* 2007; 19:53–59.
- Clemens JQ, Bogart LM, Liu K, Pham C, Suttorp M, Berry S. Perceptions of “urgency” in with interstitial cystitis/bladder pain syndrome or overactive bladder. *Neurourol Urodynam.* 2011; 30(3):402–5. doi:10.1002/nau.20974

- Committee on Practice Bulletins - Gynecology and the American Urogynecologic Society. Urinary incontinence in women. *Female Pelvic Med Reconstr Surg*. 2015;21(6):304–14. doi: 10.1097/SPV.0000000000000231.
- D'Ancona C, Haylen B, Oelke M, Abranches-Monteiro L, Arnold E, Goldman H, et al. The International Continence Society (ICS) report on the terminology for adult male lower urinary tract and pelvic floor symptoms and dysfunction. *Neurourol Urodynam*. 2019;38(2):433–77. doi:10.1002/nau.23897.
- Danforth KN, Townsend MK, Curhan GC, Resnick NM, Goldstein F. Type 2 Diabetes Mellitus and risk of stress, urge and mixed urinary incontinence. *J Urol*. 2009;181(1):193–7. doi:10.1016/j.juro.2008.09.007
- de Boer TA, Salvatore S, Cardozo L, Chapple C, Kelleher C, van Kerrebroeck P, et al. Pelvic organ prolapse and overactive bladder. *Neurourol Urodynam*. 2010; 29(1): 30–9. doi:10.1002/nau.20858.
- de Groat WC, Griffiths D, Yoshimura N. Neural control of the lower urinary tract. *Compr Physiol*. 2015; 5(1): 327–96. doi:10.1002/cphy.c130056.
- Deegan EG, Stothers L, Kavanagh A, Macnab AJ. Quantification of pelvic floor muscle strength in female urinary incontinence: A systematic review and comparison of contemporary methodologies. *Neurourol Urodynam*. 2018; 37(1):33–45. doi:10.1002/nau.23285
- DeLancey JOI. Why do women have stress urinary incontinence? *Neurourol Urodynam*. 2010; 29:S13–S17. doi:10.1002/nau.20888
- Deng DY. Urinary incontinence in women. *Med Clin North Am*. 2010; 95(1): 101–9. doi: 10.1016/j.mcna.2010.08.022.
- Devreese A, Staes F, Weerdts W, Feys H, van Assche A, Penninckx F, et al. Clinical evaluation of pelvic floor muscle function in continent and incontinent women. *Neurourol Urodynam*. 2004; 23(3): 190–7. doi:10.1002/nau.20018
- Diaz DC, Robinson D, Bosch R, Constantini E, Cotterill N, Espuna-Pons M, et al. Initial assessment of urinary incontinence in adult female and female patients. Committee 5A. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence*. 6th Edition. Tokyo: 6th International Consultation on Incontinence; 2016. p.497–540.
- Digesu GA, Salvatore S, Fernando R, Khullar V. Mixed urinary symptoms: What are the urodynamic findings? *Neurourol Urodynam*. 2008; 27(5): 372–5. doi:10.1002/nau.20530
- Doughty BD, Burns P. Pathology and management of stress incontinence. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts*. Georgia, USA: Mosby Elsevier. 2006. p.77–107.
- Dowling-Castronovo A, Specht JK. Assessment of transient urinary incontinence in older adults. *Am J Nurs*. 2009; 109(2): 62–71. doi:10.1097/01.NAJ.0000345392.52704.6d.
- Drake MJ, Apostolidis A, Cocci A, Emmanuel A, Gajewski JB, Harrison SCW et al. Neurogenic lower urinary tract dysfunction: Clinical management recommendations of the Neurologic Incontinence Committee of the Fifth International Consultation on Incontinence 2013. *Neurourol Urodynam*. 2016; 35(6): 657–65. doi:10.1002/nau.23027
- Drake MJ. Do we need a new definition of the overactive bladder syndrome? ICI-RS 2013. *Neurourol Urodynam*. 2014; 33(5), 622–4. doi:10.1002/nau.22609
- DuBeau CE, Kuchel GA, Johnson II T, Palmer MH, Wagg A, Fourth International Consultation on Incontinence. *Incontinence in the frail elderly: Report from the 4th*

- International Consultation on Incontinence. *Neurourol Urodynam*. 2010; 29(1):165–78. doi:10.1002/nau.20842
- Elkady E. Functional urinary incontinence in women. *J Pelvic Med Surg*. 2006; 12(1): 1–13. doi: 10.1097/01.spv.0000199622.01729.ac
- Ermer-Seltum J. Assessment and management of acute or transient urinary incontinence. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p.55–75
- Ficazzola MA, Nitti VW. The etiology of post-radical prostatectomy incontinence and correlation of symptoms with urodynamic findings. *J Urol*. 1998; 160(4): 1317–20.
- Filho JFL, Baccaro LFC, Fernandes T, Conde DM, Costa-Paiva L, Neto AMP. Epidemiologia da menopausa e dos sintomas climatéricos em mulheres de uma região metropolitana no sudeste do Brasil: inquérito populacional domiciliar. *Rev Bras Ginecol Obstet*. 2015; 37(4): 152–8. <http://dx.doi.org/10.1590/SO100-720320150005282>
- Franco I. Functional bladder problems in children: Pathophysiology, diagnosis, and treatment. *Pediatr Clin N Am*. 2012; 59(4):783–817. doi:10.1016/j.pcl.2012.05.007
- Gajewski JB, Drake MJ. Neurological lower urinary tract dysfunction essential terminology. *Neurourol Urodynam*. 2018; 37:S25–S31. doi:10.1002/nau.23758
- Gamble TL, Du H, Sand PK, Botros SM, Rurak M, Goldberg RP. Urge incontinence: Estimating environmental and obstetrical risk factors using an identical twin study. *Int Urogynecol J*. 2010; 21(8): 939–46. doi:10.1007/s00192-010-1140-2
- Glazener C, Herbison G, MacArthur C, Lancashire R, McGee M, Grant A, Wilson P. New postnatal urinary incontinence: Obstetric and other risk factors in primiparae. *BJOG*. 2006;113(2):208–17. doi:10.1111/j.1471-0528.2005.00840.x
- Gordon B, Shorter B, Isodi KK, Moldwin RM. Obesity with comorbid stress urinary incontinence in women: A narrative review to inform dietetics practice. *J Acad Nutr Diet*. 2017; 117(6): 889–907. doi: 10.1016/j.jand.2016.09.024.
- Gray ML. Pathology and management of reflex incontinence/neurogenic bladder. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p.21–54.
- Greer JA, Xu R, Propert RJ, Arya LA. Urinary Incontinence and Disability in Community-Dwelling Women: A Cross-Sectional Study. *Neurourol Urodynam*. 2015; 34(6): 539–43, 2015. doi:10.1002/nau.22615
- Guralnick ML, Fritel X, Tarcan T, Espuna-Pons M, Rosier PFWM. ICS Educational Module: Cough stress test in the evaluation of female urinary incontinence: Introducing the ICS-Uniform Cough Stress Test. *Neurourol Urodynam*. 2018;37(5):1849–55. doi:10.1002/nau.23519.
- Haab F. Chapter 1: The conditions of neurogenic detrusor overactivity and overactive bladder. *Neurourol Urodynam*. 2014; 33(S3): S2–S5. doi:10.1002/nau.22636
- Hagosvska M, Svihra J, Buková A, Dracková D, Svihrová V. Prevalence and risk of sports types to stress urinary incontinence in sportswomen: A cross-sectional study. *Neurourol Urodynam*. 2018; 37: 1957–64. doi:10.1002/nau.23538
- Haylen BT, Maher CF, Barber MD, Camargo S, Sandolu V, Digesu A, et al. An International Urogynecological Association (IUGA)/International Continence Society joint report on the terminology for female Pelvic Organ Prolapse (POP). *Neurourol Urodynam*. 2016; 35: 137–68. DOI 10.1002/nau.22922
- Haylen BT, Ridder D, Freeman RM, Swift SE, Berghmans B, Lee J, et al. International Urogynecological Association (IUGA)/International Continence Society (ICS) joint

- point report on the terminology for female pelvic floor dysfunction. *Neurourol Urodynam.* 2010; 29(1): 4–20. doi:10.1002/nau
- Higa R, Lopes MHB, Reis MJ. Fatores de risco para incontinência urinária na mulher. *Rev Esc Enferm USP.* 2008; 42(1): 187–92.
- Hoyland K, Vasdev N, Abrof A, Boustead G. Post-radical prostatectomy incontinence: etiology and prevention. *Rev Urol.* 2014; 16(4): 181–8.
- Hunikaar S. A systematic review of overweight and obesity as risk factors and targets for clinical intervention for urinary incontinence in women. *Neurourol Urodynam.* 2008; 27(8): 749–57. doi: 10.1002/nau.20635.
- Ikeda Y, Nakagawa H, Ohmori-Matsuda K, Hozawa A, Masamune Y, Nishino Y, et al. Risk factors for overactive bladder in the elderly population: A community-based study with face-to-face interview. *Int J Urology.* 2011; 18(3): 212–18. doi:10.1111/j.1442–2042.2010.02696.x.
- Irwin DE, Milsom I, Hunikaar S, Reilly K, Zopp Z, Herschorn S, et al. Population-based survey of urinary incontinence, overactive bladder, and other lower urinary tract symptoms in five countries: Results of the EPIC Study. *Eur Urol.* 2006; 50(6): 1306–15. doi:10.1016/j.eururo.2006.09.019
- Jha S, Walters SJ, Bortolami O, Dixon S, Alshreef A. Impact of pelvic floor muscle training on sexual function of women with urinary incontinence and a comparison of electrical stimulation versus standard treatment (IPSU trial): A randomised controlled trial. *Physiotherapy.* 2018; 104(1): 91–7. doi: 10.1016/j.physio.2017.06.003
- Khandelwal C, Kistler C. Diagnosis of urinary incontinence. *Am Fam Physician.* 2013; 87(8): 543–50.
- Khullar V, Cardozo L, Dmochowski R. Mixed incontinence: Current evidence and future perspectives. *Neurourol Urodynam.* 2010;29(4):618–22. doi:10.1002/nau.20907.
- Komesu YM, Schrader RM, Ketani LH, Rogers RG, Dunivan GC. Epidemiology of mixed, stress, and urgency urinary incontinence in middle-aged/older women: The importance of incontinence history. *Int Urogynecol J.* 2016; 27(5):763–72. doi:10.1007/s00192–015–2888–1
- Krisovich M. Pathology and management of the overactive bladder. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts.* Georgia: Mosby Elsevier. 2006. p.109–65
- Kuhn S, Natale N, Siemer S, Stoeckle M, von Gontard M. Clinical differences in daytime wetting subtypes: Urge incontinence and postponed voiding. *J Urol.* 2009;182(4): 1967–72. doi: 10.1016/j.juro.2009.03.023
- Laterza RM, Sievert KD, de Ridder D, Vierhout ME, Haab F, Cardozo L, et al. Bladder function after radical hysterectomy for cervical cancer. *Neurourol Urodynam.* 2015; 34(4):309–15. doi: 10.1002/nau.22570
- Leroy LS, Lucio A, Lopes MHB. Risk factors for postpartum urinary incontinence. *Rev Esc Enferm USP.* 2016; 50(2): 200–7. doi:10.1590/S0080–623420160000200004.
- Li D, Xu Y, Nie Q, Li Y, Mao G. Predictors of urinary incontinence between abdominal obesity and non-obese male adults. *Postgrad Med.* 2017; 129(7): 747–55. doi:10.1080/00325481.2017.1357419.
- MacArthur C, Glazener CMA, Don Wilson P, Lancashire RJ, Herbison GP, Grant AM. Persistent urinary incontinence and delivery mode history: A six-year longitudinal study. *BJOG.* 2006;113:218–24. doi: 10.1111/j.1471–0528.2005.00818.x
- Menezes M, Pereira M, Hextall A. Predictors of female urinary incontinence at midlife and beyond. *Maturitas.* 2010; 65(2):167–71. doi:10.1016/j.maturitas.2009.10.004

- Milsom I, Altman D, Cartwright R, Lapitan MC, Nelson R, Sjostrom S, Tikkinen KAO. Epidemiology of urinary incontinence (IU) and other lower urinary tract symptoms (LUTS), pelvic organ prolapse (POP), and anal (AI) incontinence. Committee 1. In: Abrams P, Cardozo L, Wagg A, Wein A. Incontinence 6th edition. Tokyo: International Consultation on Incontinence. 2017.p.1–141
- Minassian VA, Bazi T, Stewart WF. Clinical epidemiological insights into urinary incontinence. *Int Urogynecol J*. 2017; 28(5): 687–96. doi:10.1007/s00192–017–3314–7
- Minassian VA, Stewart WF, Hirsch AG. Why do stress and urge incontinence co-occur much more often than expected? *Int Urogynecol J*. 2008; 19: 1429–40. doi:10.1007/s00192–008–0647–2
- Minassian VA, Stewart WF, Wood GC. Urinary incontinence in women variation in prevalence estimates and risk factors. *Obstet Gynecol*. 2008;111:324–31. doi:10.1097/01.AOG.0000267220.48987.17.
- Minassian VA, Yan XY, Pitcavage J, Stewart WF. Mixed incontinence masked as stress induced urgency urinary incontinence. *J Urol*. 2016; 196(4): 1190–5. doi:10.1016/j.juro.2016.04.084
- Molinuevo B, Batista-Miranda JE. Under the tip of the iceberg: Psychological factors in incontinence. *Neurourol Urodynam*. 2012;31:669–71. doi:10.1002/nau.21216
- Morin M, Bourbonnais D, Gravel D, Dumoulin C, Lemieux MC. Pelvic floor muscle function in continent and stress urinary incontinent women using dynamometric measurements. *Neurourol Urodynam*. 2014;23(7): 668–74. doi:10.1002/nau.20069
- Morris CL. Urge urinary incontinence and the brain factor. *Neurourol Urodynam*. 2013; 32(5): 441–8. doi:10.1002/nau.22357
- Myers DL. Female mixed urinary incontinence: A clinical review. *JAMA*. 2014;311(19):2007–14. doi: 10.1001/jama.2014.4299.
- Nijman RJM. Classification and treatment of functional incontinence in children. *BJU Int*. 2000; 85(Suppl 3): 45–6.
- O'Dell KK, Labin LC. Common problems of urination in nonpregnant women: Causes, current management, and prevention strategies. *J Midwifery Womens Health*. 2006;51(3): 159–73. doi:10.1016/j.jmwh.2006.01.003
- Oliveira JEP, Vencio S (Org.). Diretrizes da Sociedade Brasileira de Diabetes 2015–2016 [Internet]. São Paulo: Sociedade Brasileira de Diabetes: A.C. Farmacêutica. Available at: <http://www.diabetes.org.br/profissionais/images/docs/DIRETRIZES-SBD-2015-2016.pdf>
- Osman NI, Li Marzi V, Cornu JN, Drake MJ. Evaluation and classification of stress urinary incontinence: current concepts and future directions. *Eur Urol Focus*. 2016; 2(3): 238–44. doi: 10.1016/j.euf.2016.05.006.
- Ouslander JG. Management of overactive bladder. *N Engl J Med*. 2004; 350(8): 786–99. doi: 10.1056/NEJMra032662
- Petros P. The integral system. *Cent European J Urol*. 2011; 64(3): 110–9. <http://doi.org/10.5173/cej.2011.03.art1>
- Pinna C, Zanardo R, Puglisi L. Prostaglandin-release impairment in the bladder epithelium of streptozotocin-induced diabetic rats. *Eur J Pharmacol*. 2000; 388(3):267–73. doi:10.1016/s0014–2999(99)00833-x
- Porena M, Costantini E, Lazzeri M. Mixed incontinence: How best to manage it? *Curr Bladder Dysfunct Rep*. 2013; 8:7–12. doi:10.1007/s11884–012–0161–8
- Rantell A. Assessment and diagnosis of overactive bladder in women. *Nurs Stand*. 2013; 27(52): 35–40. doi:10.7748/ns2013.08.27.52.35.e7389

- Robinson D, Giarenis I, Cardozo L. You are what you eat: The impact of diet on overactive bladder and lower urinary tract symptoms. *Maturitas*. 2014; 79(1): 8–13. doi: 10.1016/j.maturitas.2014.06.009
- Rocha J, Brandão P, Melo A, Torres S, Costa F. Assessment of urinary incontinence in pregnancy and postpartum: Observational study. *Acta Med Port*. 2017; 30(7–8): 568–572. doi:10.20344/amp.7371.
- Rogers RG, Leeman LL. Postpartum genitourinary changes. *Urol Clin N Am*. 2007; 34(1): 13–21. doi: 10.1016/j.ucl.2006.10.005
- Rosenberg MT, Newman DK, Tallman CT, Page SA. Overactive bladder: Recognition requires vigilance for symptoms. *Cleve Clin J Med*. 2007; 74 (Suppl 3): S21–29.
- Sakakibara R. Dementia and lower urinary tract dysfunction. In: Corcos J, Ginsberg, Karsenty G. *Textbook of the neurogenic bladder*. New York: CRC Press. 2016. p.179–98.
- Salvatore S, Rademakers K, DeLancey J, Igawa Y, Koelbl H, Laterza RM, et al. Pathophysiology of urinary incontinence, faecal incontinence and pelvic organ prolapse. Committee 4. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence 6th edition*. Tokyo: International Consultation on Incontinence. 2017. p. 361–496.
- Serati M, Topazio L, Bogani G, Constantini E, Pietropaolo A, Palleschi G, et al. Urodynamics useless before surgery for female stress urinary incontinence: Are you sure? Results from a multi-center single nation database. *Neurourol Urodynam*. 2016;35(7): 809–12. doi:10.1002/nau.22804.
- Sobhgol SS, Charandabee SMA. Related factors of urge, stress, mixed urinary incontinence and overactive bladder in reproductive age women in Tabriz, Iran: A cross-sectional study. *Int Urogynecol J Pelvic Floor Dysfunct*. 2008;19 (3):367–73. doi:10.1007/s00192–007–0437–2
- Starkman JS, Dmochowski RR. Urgency assessment in the evaluation of overactive bladder (OAB). *Neurourol Urodynam*. 2008; 27 (1): 13–21. doi:10.1002/nau.20472
- Staskin D, Tubaro A, Norton PA, Ashton-Miller JA. Mechanisms of continence and surgical cure in female and male SUI: Surgical research initiatives. *Neurourol Urodyn*. 2011; 30(5):704–07. doi: 10.1002/nau.21139.
- Stohrer M, Goepel M, Kondo A, Kramer G, Madersbacher H, Millard R, et al. The standardization of terminology in neurogenic lower urinarytract dysfunction with suggestions for diagnostic procedures. *Neurourol Urodynam*. 1999;18 (2):139–58.
- Sultan AH, Monga A, Lee J, Emmanuel A, Norton C, Santoro G, et al. An International Urogynecological Association (IUGA)/International Continence Society (ICS) joint report on the terminology for female anorectal dysfunction. *Int Urogynecol J*. 2017; 28(1): 5–31. doi: 10.1007/s00192–016–3140–3
- Tahtinen RM, Cartwright R, Tsui JF, Aaltonen RL, Aoki Y, Cardenas JL, et al. Long-term impact of mode of delivery on stress urinary incontinence and urgency urinary incontinence: A systematic review and meta-analysis. *Eur Urol*. 2016; 70(1): 148–58. doi:10.1016/j.eururo.2016.01.037.
- The Oxford English Dictionary [Internet]. Oxford: Oxford University Press, c2018. Available at: <https://www.oed.com/>
- Thompson DL. Pathology and management of functional factors contributing to incontinence. In: Doughty B.D. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p. 167–85.
- Thurchelvam N, Cruz F, Kirby M, Tubaro A, Chapple CR, Sievert KD. A review of detrusor overactivity and the overactivity bladder after prostate cancer treatment. *BJU Int*. 2015; 116(6): 853–61. doi:10.1111/bju.13078

- Tong YC, Cheng JY, Wan WC. Effects of Ba-Wei-Die-Huang-Wan on the cholinergic function and protein expression of M2 muscarinic receptor of the urinary bladder in diabetic rats. *Neurosci Lett*. 2002;330(1):21–4. doi:10.1016/s0304-3940(02)00713-9
- Townsend MK, Danforth KN, Lifford KL, Rosner B, Curhan GC, Resnick NM, et al. Incidence and remission of urinary incontinence in middle-aged women. *Am J Obstet Gynecol*. 2007; 197(2): 167.e1-167.e5. doi: 10.1016/j.ajog.2007.03.041
- Troko J, Bach F, Tooze-Hobson P. Predicting urinary incontinence in women in later life: A systematic review. *Maturitas*. 2016; 94:110–6. doi:10.1016/j.maturitas.2016.09.006
- von Gontard A, de Jong TPVM, Rantell A, Nieuwhof-Leppink A, Badawi JK, Cardozo L. Do we manage incontinence in children and adults with special needs adequately? ICI-RS 2014. *Neurourol Urodynam*. 2016; 35(2): 304–6. doi.org/10.1002/nau.22823
- von Gontard A, Niemczyk J, Wagner J, Equit M. Voiding postponement in children—A systematic review. *Eur Child Adolesc Psychiatry*. 2016; 25:809–20.
- von Gontard A, Niemczyk J, Weber M, Equit M. Specific behavioral comorbidity in a large sample of children with functional incontinence: Report of 1,001 cases. *Neurourol Urodynam*. 2015; 34(8): 763–8. doi.org/10.1002/nau.22651
- von Gontard A. Does psychological stress affect LUT function in children?: ICI-RS 2011. *Neurourol Urodynam*. 2012; 31(3): 344–8. doi:10.1002/nau.22216
- Wesnes SL, Hannestad Y, Rortveit G. Delivery parameters, neonatal parameters and incidence of urinary incontinence six months postpartum: A cohort study. *Acta Obstet Gynecol Scand*. 2017; 96(10): 1214–22. doi:10.1111/aogs.13183.
- Wesnes SL. Weight and urinary incontinence: The missing links. *Int Urogynecol J*. 2014; 25(6): 725–9. doi:10.1007/s00192-013-2268-7.
- Woodtli A. Mixed incontinence: A new nursing diagnosis? *Nurs Diagn*. 1995; 6(4): 135–42.
- Wyman JF, Burgio KL, Newman DK. Practical aspects of lifestyle modifications and behavioural interventions in the treatment of overactive bladder and urgency urinary incontinence. *Int J Clin Pract*. 2009; 63(8): 1177–91. http://doi.org/10.1111/j.1742-1241.2009.02078.x
- Wyndaele JJ, De Wachter S. The sensory bladder (1): An update on the different sensations described in the lower urinary tract and the physiological mechanisms behind them. *Neurourol Urodynam*. 2008; 27(4): 274–8. doi:10.1002/nau.20510
- Yamaguchi C, Sakakibara R, Uchiyama T, Yamamoto T, Ito T, Liu Z, et al. Overactive bladder in diabetes: A peripheral or central mechanism? *Neurourol Urodynam*. 2007; 26(6): 807–13. doi:10.1002/nau.20404
- Yang J, Cheng JW, Wagner H, Lohman E, Yang SH, Krishnager GA, et al. The effect of high impact crossfit exercises on the stress urinary incontinence in physically active women. *Neurourol Urodynam*, 2019; 38: 749–56. doi:10.1002/nau.23912
- Yuan Z, Tang Z, He C, Tang W. Diabetic cystopathy: A review. *J Diabetes*. 2015;7(4): 442–7. doi: 10.1111/1753-0407.12272

Impaired urinary elimination (00016)

- Abler, I. L.; vezina, c. M. Links between lower urinary tract symptoms, intermittent hypoxia and diabetes: causes or cures? *Respiratory physiology & neurobiology*. V. 256, p. 87–96, 2018.
- Akkus, y.; pinar, g. Evaluation of the prevalence, type, severity, and risk factors of urinary incontinence and its impact on quality of life among women in turkey. *Int urogynecol j*, v.27, n.6, p.887–93, 2016. Doi 10.1007/s00192-015-2904-5

- Akl, m.n.; jacob, k.; klauschie, j. et al. The effect of rectal distension on bladder function in patients with overactive bladder. *Neurourol urodyn*, v.31, p.541–3, 2012.
- Breu, g. E., et al. Functional constipation and overactive bladder in women: a population-based study. *Arq. Gastroenterol.* V. 55, n. 1, p. 35–40, 2018.
- Bush, m.b.; liedl, b.; wagenlehner, f.; et al. Effects of posture and squatting on the dynamics of micturition. *Int urogynecol j*; v.26, n.5:779y780, 2015.
- Caixeta neto, a.g.c.; gonçalves, a.c.; ribas, l.f. et al. Avaliação do conhecimento sobre o tratamento fisioterápico da incontinência urinária de esforço entre gestantes e puérperas atendidas na rede pública de saúde do município de patrocínio-mg. *Rev. Interdisciplin. Promoç. Saúde – rips*, v.1, n.1, p.41–5, 2018.
- Calogero, a. E.; burgio, g.; condorelli, r. A. et al. Epidemiology and risk factors of lower urinary tract symptoms/benign prostatic hyperplasia and erectile dysfunction. *The aging male*, p.1–8, 2018. Doi:10.1080/13685538.2018.1434772
- Caruso, b.a.; clasen, t.; yount, k. M. et al. Assessing women's negative sanitation experiences and concerns: the development of a novel sanitation insecurity measure. *Int. J. Environ. Res. Public health*, v.14, n.7, 2017.
- Caruso, b.a.; cooper, h.l.f.; haardöfer, r.; et al. The association between women's sanitation experiences and mental health: a cross-sectional study in rural, odisha india. *Ssm - population health*, v.5, p.257–266, 2018.
- Carvalho, f. J. W. Envelhecimento do sistema urinário. In: freitas, e. V. et al. *Tratado de geriatria e gerontologia*. 3. Ed. Cap. 65, rio de janeiro: guanabara koogan, 2013. P. 477–495.
- Chae, j.; yoo, e.h.; jeong, y. et al. Risk factors and factors affecting the severity of overactive bladder symptoms in korean women who use public health centers. *Obstet gynecol sci*, v.61, p.404– 412, 2018. doi:10.5468/ogs.2018.61.3.404
- Chapple, c.; castro-diaz, d.; chuang, y. C. Prevalence of lower urinary tract symptoms in china, taiwan, and south korea: results from a cross-sectional, population-based study. *Adv ther.* V. 11, n. 1, p. 48–55, 2017.
- Choi, y.j.; seo, b.s.; lee, j.h. et al. Treatment of fecal retention is important in the management of overactive bladder in children. *Neurourol urodyn*, v.36, n.2, p.490–494, 2017.
- Coswolk, e.d.; neves-silva, p.; modena, c.m. et al. Having a toilet is not enough: the limitations in fulfilling the human rights to water and sanitation in a municipal school in bahia, brazil. *BMC public health*, v.19, 2019. doi:10.1186/s12889-019-6469-y
- Eliopoulos, c.; portella, v.c.c. *Enfermagem gerontológica*. 9ªed. Artmed, 2019. 568 p.
- Eshkoor, s. A.; hamid, t. A.; shahar s. et al. Factors related to urinary incontinence among the malaysian elderl. *Journal of nutritional health aging*. V. 21, n. 2, p. 220–26, 2015.
- Hall, j.e. *tratado de fisiologia médica*. 12ª ed. Cap. V. Rio de janeiro: elsevier, 2011.
- Herdman, T. H.; Lopes, c. T. Diagnóstico de enfermagem e sua relação com o raciocínio clínico. In: *Programa de atualização em diagnóstico de enfermagem – PRO-NANDA: conceitos básicos*. 2ª ed. Porto Alegre: Artmed Panamericana, 2019.
- Horau, b.; vercherin, p.; bois, c. Ressenti des élèves et prévalence des troubles urinaires et digestifs, enquête dans trois établissements de la loire. *Santé publique*, v.26, p.421–431, 2014.
- International continence society (ics). Available: <https://www.ics.org/>.
- Jonhson, v. Y. Distúrbios renais e urinários. In: lewis, s.l; dirksen, s.r.; heitkemper, m. m. et al. *Tratado de enfermagem médico cirúrgica: avaliação e assistência dos problemas clínicos*. Cap. 46. 8ªed. Elsevier, 2013. 2096p.

- Kim, s.y.; bang, w.; choi, h.g. analysis of the prevalence of and factors associated with overactive bladder in adult korean women. *Plos one*, v.12: e0185592, 2017. doi:10.1371/journal.pone.0185592
- Lazaro, s. S.; nardo, r.; caughtey, a. B. Obesity and pelvic floor dysfunction: battling the bulge. *Obstet gynecol surv.* V. 71, n. 2, p. 114–125, 2016.
- Lee, u. J.; kerkhof, m. H.; leijsen, s. A. et al. Obesity and pelvic organ prolapse. *Curr opin urol.* V. 5, n. 27, p. 428–434, 2017.
- Li, j.; li, x.; tong, x.; et al. Investigation of the optimal duration of bed rest in the supine position to reduce complications after lumbar puncture combined with intrathecal chemotherapy: a multicenter prospective randomized controlled trial. *Supportive care in cancer*, v.26, n.9, p.2995–3002, 2018.
- Liu, y.; zhang, y.; wu, y. et al. A modified supine position facilitates bladder function in patients undergoing percutaneous coronary intervention. *The Journal of Cardiovascular Nursing*, v.33, n.2, p.152–159, 2018. Doi:10.1097/jcn.0000000000000436
- Miller, j.m.; garcia, c.e.; hortsch, s.b.; et al. Does instruction to eliminate coffee, tea, alcohol, carbonated, and artificially sweetened beverages improve lower urinary tract symptoms: a prospective trial. *J Wound Ostomy Continence Nurs*, v. 43, n.1, p.69–79, 2016.
- Okasha, e.f. effect of long term-administration of aspartame on the ultrastructure of sciatic nerve. *J microsc ultrastruct*, v.4, n.4, p.175–183, 2016.
- Oliveira, s.m.; santos, l.l.g. urinary tract infection: epidemiological study in laboratorial records. *Journal Nealth Npeps*, v.3, n.1, p.198–210, 2018.
- Panayi, d.c.; khullar, v.; digesu, g.a. et al. Rectal distension: the effect on bladder function. *Neurourol urodyn*, v.30, p.344–7, 2011.
- Pereira, p.m.b.; souza, s.r.; bitencourt, r.m. prevalência e caracterização da infecção do trato urinário inferior em mulheres atendidas na atenção primária de saúde. *Rev. Bra. Edu. Saúde*, v.9, n.1, p.37–42, 2019.
- Potter, p. A.; perry, a. G. *Fundamentos de enfermagem*. 7ªed. Rio de Janeiro: Elsevier, 2009.
- Rane, a.; iyer, j. Posture and micturition: does it really matter how a woman sits on the toilet?. *International urogynecology journal*, v.25, n.8, p.1015–1021, 2014.
- Ribas, l.l.; oliveira, e.a.; cirqueira, r.p. et al. Impacto da incontinência urinária na qualidade de vida das gestantes. *Rev. Mult. Psic*, v.13, n.43, p.431–9, 2019.
- Robinson, D.; Hanna-Mitchell, A.; Rantell, a., et al. Are we justified in suggesting change to caffeine, alcohol, and carbonated drink intake in lower urinary tract disease? Report from the ici rs 2015. *Neurology and urodynamics*, v. 36, n.4, p.876–881, 2017. doi:10.1002/nau.23149
- Sahoo, k.c.; hulland, k.r.s.; caruso, b.a. et al. Sanitation-related psychosocial stress: a grounded theory study of women across the life-course in Odisha, India. *Social science & medicine*, v.139, p.80–89, 2015.
- Silva, j. C. P.; Soler, z. A. S. G.; Wysocki, a. D. Associated factors to urinary incontinence in women undergoing urodynamic testing. *Rev esc enferm usp.*, v. 51:e03209, 2017. Doi: <http://dx.doi.org/10.1590/s1980-220x2015048003209>
- Smeltzer, S. C.; Bare, B. G. *Brunner & Suddarth: tratado de enfermagem médico-cirúrgica*. 13 ed. Rio de Janeiro: Guanabara Koogan, 2015. Vol. I e ii.
- Sun, S.; Liu, D.; Jiao, Z. Coffee and caffeine intake and risk of urinary incontinence: a meta-analysis of observational studies. *BMC Urol*, v. 16, n.61, 2016. Doi: 10.1186/s12894-016-0178-y

- Tai, J. C.; Tai, T.Y.; Yang, W. S., et al. Associations between lower urinary tract dysfunction and glycemic control in women with type 2 diabetes: a cross-sectional study. *J. Diabetes complications*. V. 30, n. 3, p. 415–419, 2016.
- Townsend, M.K.; Lajous, M.; Medina-Campos, R.H., et al. Risk factors for urinary incontinence among postmenopausal Mexican women. *Int urogynecol j*, v.28, p.769–776, 2016. doi:10.1007/s00192–016–3196–0.
- Wang, Y.; Hu, H.; Xu, K., et al. Prevalence, risk factors, and symptom bother of nocturia: a population-based survey in china. *World j urol*, v.33, p.677–683, 2015. Doi 10.1007/s00345–014–1411–5.
- Wei, Y.; Wu, Y.; Lin, M. I., et al. Impact of obesity on long-term urinary incontinence after radical prostatectomy: a meta-analysis. *Biomed research internation*. P. 1–9, 2018.
- Zhang, Y.; Liu, Y.; Qin, Y.; et al. Modified position could improve difficulty micturition in patients after percutaneous coronary intervention. *Chinese gen pract nurs*, v.9: 794y796, 2015.
- Zugaib. B. *Noções práticas de obstetrícia*. 13ª ed. Belo Horizonte: Artes Médicas, 2013.

Mixed urinary incontinence (00310)

- Abrams P, Cardozo L, Fall M, Griffiths D, Rosler P, Ulmsten U, et al. The standardisation of terminology of lower urinary tract function: Report from the Standardisation Sub-committee of the International Continence Society. *Neurourol Urodynam*. 2002;21(2):167–78. doi:10.1002/nau.10052
- Anger TJ, Saigal CS, Stothers L, Thom DH, Rodriguez LV, Litwin MS, et al. The prevalence of urinary incontinence among community dwelling men: Results from the National Health and Nutrition Examination Survey. *J Urol*. 2006; 176(5): 2103–8. doi:10.1016/j.juro.2006.07.029
- Aoki Y, Brown HW, Brubaker L, Cornu JN, Daly JO, Cartwright R. Urinary incontinence in women. *Nat Rev Dis Primers*. 2017;6(3):17042. doi:10.1038/nrdp.2017.42.
- Apostolidis A, Drake MJ, Emmanuel A, Gajewski J, Hamid R, Heesakkers J et al. Neurologic urinary and faecal incontinence. Committee 10. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence*. 6th Edition. Tokyo: 6th International Consultation on Incontinence; 2016. p.1093–308.
- Blaivas JG. Overactive bladder and the definition of urgency. *Neurourol Urodynam*. 2007; 26(6):757–8. doi:10.1002/nau.20429
- Bortz WM 2nd. A conceptual framework of frailty: A review. *J Gerontol A Sci Med Sci*. 2002; 57(5); M283–8.
- Botlero R, Davis SR, Urquhart DM, Shortreed S, Bell RJ. Age-specific prevalence of, and factors associated with, different types of urinary incontinence in community-dwelling Australian women assessed with a validated questionnaire. *Maturitas*. 2009; 62(2):134–9. doi: 10.1016/j.maturitas.2008.12.017
- Brown S, Gartland D, Donath S, MacArthur C. Effects of prolonged second stage, method of birth, timing of caesarean section and other obstetric risk factors on post-natal urinary incontinence: An Australian nulliparous cohort study. *BJOG*. 2011;118 (8): 991–1000. doi: 10.1111/j.1471–0528.2011.02928.x
- Burti JS, Santos AMB, Pereira RAR, Zambon JP, Marques AP. Prevalence and clinical characteristics of urinary incontinence in elderly individuals of a low income. *Arch Gerontol Geriatr*. 2012; 54(2): e42–6. doi:10.1016/j.archger.2011.04.004.

- Cardozo L, Chapple CR, Dmochowski R, Fitzgerald MP, Hanno P, Michel MC et al. Urinary urgency – translating the evidence base into daily clinical practice. *Int J Clin Pract.* 2009; 63(12): 1675–82. doi.org/10.1111/j.1742–1241.2009.02205.x
- Chaing JC, Ouslander J, Schnelle J, Reuben DB. Dually incontinent nursing home residents: clinical characteristics and treatment differences. *J Am Geriatr Soc.* 2000; 48(6): 673–6. doi:10.1111/j.1532–5415.2000.tb04727.x
- Chen SH. Differential diagnosis of urinary incontinence. *Tzu Chi Med J.* 2007; 19:53–59.
- Clemens JQ, Bogart LM, Liu K, Pham C, Suttorp M, Berry S. Perceptions of “urgency” in with interstitial cystitis/bladder pain syndrome or overactive bladder. *Neurourol Urodynam.* 2011; 30(3):402–5. doi:10.1002/nau.20974
- Committee on Practice Bulletins - Gynecology and the American Urogynecologic Society. Urinary incontinence in women. *Female Pelvic Med Reconstr Surg.* 2015;21(6):304–14. doi: 10.1097/SPV.0000000000000231.
- D'Ancona C, Haylen B, Oelke M, Abranches-Monteiro L, Arnold E, Goldman H, et al. The International Continence Society (ICS) report on the terminology for adult male lower urinary tract and pelvic floor symptoms and dysfunction. *Neurourol Urodynam.* 2019;38(2):433–77. doi:10.1002/nau.23897.
- Danforth KN, Townsend MK, Curhan GC, Resnick NM, Goldstein F. Type 2 Diabetes Mellitus and risk of stress, urge and mixed urinary incontinence. *J Urol.* 2009;181(1):193–7. doi:10.1016/j.juro.2008.09.007
- de Boer TA, Salvatore S, Cardozo L, Chapple C, Kelleher C, van Kerrebroeck P, et al. Pelvic organ prolapse and overactive bladder. *Neurourol Urodynam.* 2010; 29(1): 30–9. doi:10.1002/nau.20858.
- de Groat WC, Griffiths D, Yoshimura N. Neural control of the lower urinary tract. *Compr Physiol.* 2015; 5(1): 327–96. doi:10.1002/cphy.c130056.
- Deegan EG, Stothers L, Kavanagh A, Macnab AJ. Quantification of pelvic floor muscle strength in female urinary incontinence: A systematic review and comparison of contemporary methodologies. *Neurourol Urodynam.* 2018; 37(1):33–45. doi:10.1002/nau.23285
- DeLancey JOI. Why do women have stress urinary incontinence? *Neurourol Urodynam.* 2010; 29:S13–S17. doi:10.1002/nau.20888
- Deng DY. Urinary incontinence in women. *Med Clin North Am.* 2010; 95(1): 101–9. doi: 10.1016/j.mcna.2010.08.022.
- Devreese A, Staes F, Weerdts W, Feys H, van Assche A, Penninckx F, et al. Clinical evaluation of pelvic floor muscle function in continent and incontinent women. *Neurourol Urodynam.* 2004; 23(3): 190–7. doi:10.1002/nau.20018
- Diaz DC, Robinson D, Bosch R, Constantini E, Cotterill N, Espuna-Pons M, et al. Initial assessment of urinary incontinence in adult female and female patients. Committee 5A. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence.* 6th Edition. Tokyo: 6th International Consultation on Incontinence; 2016. p.497–540.
- Digesu GA, Salvatore S, Fernando R, Khullar V. Mixed urinary symptoms: What are the urodynamic findings? *Neurourol Urodynam.* 2008; 27(5): 372–5. doi:10.1002/nau.20530
- Doughty BD, Burns P. Pathology and management of stress incontinence. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts.* Georgia, USA: Mosby Elsevier. 2006. p.77–107.

- Dowling-Castronovo A, Specht JK. Assessment of transient urinary incontinence in older adults. *Am J Nurs.* 2009; 109(2): 62–71. doi:10.1097/01.NAJ.0000345392.52704.6d.
- Drake MJ, Apostolidis A, Cocci A, Emmanuel A, Gajewski JB, Harrison SCW et al. Neurogenic lower urinary tract dysfunction: Clinical management recommendations of the Neurologic Incontinence Committee of the Fifth International Consultation on Incontinence 2013. *Neurourol Urodynam.* 2016; 35(6): 657–65. doi:10.1002/nau.23027
- Drake MJ. Do we need a new definition of the overactive bladder syndrome? ICI-RS 2013. *Neurourol Urodynam.* 2014; 33(5), 622–4. doi:10.1002/nau.22609
- DuBeau CE, Kuchel GA, Johnson II T, Palmer MH, Wagg A, Fourth International Consultation on Incontinence. Incontinence in the frail elderly: Report from the 4th International Consultation on Incontinence. *Neurourol Urodynam.* 2010; 29(1):165–78. doi:10.1002/nau.20842
- Elkady E. Functional urinary incontinence in women. *J Pelvic Med Surg.* 2006; 12(1): 1–13. doi: 10.1097/01.spv.0000199622.01729.ac
- Ermer-Seltum J. Assessment and management of acute or transient urinary incontinence. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts.* Georgia: Mosby Elsevier.2006. p.55–75
- Ficazzola MA, Nitti VW. The etiology of post-radical prostatectomy incontinence and correlation of symptoms with urodynamic findings. *J Urol.* 1998; 160(4): 1317–20.
- Filho JFL, Baccaro LFC, Fernandes T, Conde DM, Costa-Paiva L, Neto AMP. Epidemiologia da menopausa e dos sintomas climatéricos em mulheres de uma região metropolitana no sudeste do Brasil: inquérito populacional domiciliar. *Rev Bras Ginecol Obstet.* 2015; 37(4): 152–8. <http://dx.doi.org/10.1590/SO100-720320150005282>
- Franco I. Functional bladder problems in children: Pathophysiology, diagnosis, and treatment. *Pediatr Clin N Am.* 2012; 59(4):783–817. doi:10.1016/j.pcl.2012.05.007
- Gajewski JB, Drake MJ. Neurological lower urinary tract dysfunction essencial terminology. *Neurourol Urodynam.* 2018; 37:S25-S31. doi:10.1002/nau.23758
- Gamble TL, Du H, Sand PK, Botros SM, Rurak M, Goldberg RP. Urge incontinence: Estimating environmental and obstetrical risk factors using an identical twin study. *Int Urogynecol J.* 2010; 21(8): 939–46. doi:10.1007/s00192-010-1140-2
- Glazener C, Herbison G, MacArthur C, Lancashire R, McGee M, Grant A, Wilson P. New postnatal urinary incontinence: Obstetric and other risk factors in primiparae. *BJOG.* 2006;113(2):208–17. doi:10.1111/j.1471-0528.2005.00840.x
- Gordon B, Shorter B, Isodi KK, Moldwin RM. Obesity with comorbid stress urinary incontinence in women: A narrative review to inform dietetics practice. *J Acad Nutr Diet.* 2017; 117(6): 889–907. doi: 10.1016/j.jand.2016.09.024.
- Gray ML. Pathology and management of reflex incontinence/neurogenic bladder. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts.* Georgia: Mosby Elsevier. 2006. p.21–54.
- Greer JA, Xu R, Probert RJ, Arya LA. Urinary Incontinence and Disability in Community-Dwelling Women: A Cross-Sectional Study. *Neurourol Urodynam.* 2015; 34(6): 539–43, 2015. doi:10.1002/nau.22615
- Guralnick ML, Fritel X, Tarcn T, Espuna-Pons M, Rosier PFWM. ICS Educational Module: Cough stress test in the evaluation of female urinary incontinence: Introducing the ICS-Uniform Cough Stress Test. *Neurourol Urodynam.* 2018;37(5):1849–55. doi:10.1002/nau.23519.

- Haab F. Chapter 1: The conditions of neurogenic detrusor overactivity and overactive bladder. *Neurourol Urodynam.* 2014; 33(S3): S2–S5. doi:10.1002/nau.22636
- Hagosvska M, Svihra J, Buková A, Dracková D, Svihrová V. Prevalence and risk of sports types to stress urinary incontinence in sportswomen: A cross-sectional study. *Neurourol Urodynam.* 2018; 37: 1957–64. doi:10.1002/nau.23538
- Haylen BT, Maher CF, Barber MD, Camargo S, Sandolu V, Digesu A, et al. An International Urogynecological Association (IUGA)/International Continence Society joint report on the terminology for female Pelvic Organ Prolapse (POP). *Neurourol Urodynam.* 2016; 35: 137–68. DOI 10.1002/nau.22922
- Haylen BT, Ridder D, Freeman RM, Swift SE, Berghmans B, Lee J, et al. International Urogynecological Association (IUGA)/International Continence Society(ICS) joint point report on the terminology for female pelvic floor dysfunction. *Neurourol Urodynam.* 2010; 29(1): 4–20. doi:10.1002/nau
- Higa R, Lopes MHB, Reis MJ. Fatores de risco para incontinência urinária na mulher. *Rev Esc Enferm USP.* 2008; 42(1): 187–92.
- Hayland K, Vasdev N, Abrof A, Boustead G. Post-radical prostatectomy incontinence: etiology and prevention. *Rev Urol.* 2014; 16(4): 181–8.
- Hunikaar S. A systematic review of overweight and obesity as risk factors and targets for clinical intervention for urinary incontinence in women. *Neurourol Urodynam.* 2008; 27(8): 749–57. doi: 10.1002/nau.20635.
- Ikeda Y, Nakagawa H, Ohmori-Matsuda K, Hozawa A, Masamune Y, Nishino Y, et al. Risk factors for overactive bladder in the elderly population: A community-based study with face-to-face interview. *Int J Urology.* 2011; 18(3): 212–18. doi:10.1111/j.1442-2042.2010.02696.x.
- Irwin DE, Milsom I, Hunikaar S, Reilly K, Zopp Z, Herschorn S, et al. Population-based survey of urinary incontinence, overactive bladder, and other lower urinary tract symptoms in five countries: Results of the EPIC Study. *Eur Urol.* 2006; 50(6): 1306–15. doi:10.1016/j.eururo.2006.09.019
- Jha S, Walters SJ, Bortolami O, Dixon S, Alshreef A. Impact of pelvic floor muscle training on sexual function of women with urinary incontinence and a comparison of electrical stimulation versus standard treatment (IPSU trial): A randomised controlled trial. *Physiotherapy.* 2018; 104(1): 91–7. doi: 10.1016/j.physio.2017.06.003
- Khandelwal C, Kistler C. Diagnosis of urinary incontinence. *Am Fam Physician.* 2013; 87(8): 543–50.
- Khullar V, Cardozo L, Dmochowski R. Mixed incontinence: Current evidence and future perspectives. *Neurourol Urodynam.* 2010;29(4):618–22. doi:10.1002/nau.20907.
- Komesu YM, Schrader RM, Ketani LH, Rogers RG, Dunivan GC. Epidemiology of mixed, stress, and urgency urinary incontinence in middle-aged/older women: The importance of incontinence history. *Int Urogynecol J.* 2016; 27(5):763–72. doi:10.1007/s00192-015-2888-1
- Krisovich M. Pathology and management of the overactive bladder. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts.* Georgia: Mosby Elsevier. 2006. p.109–65
- Kuhn S, Natale N, Siemer S, Stoeckle M, von Gontard M. Clinical differences in daytime wetting subtypes: Urge incontinence and postponed voiding. *J Urol.* 2009;182(4): 1967–72. doi: 10.1016/j.juro.2009.03.023
- Laterza RM, Sievert KD, de Ridder D, Vierhout ME, Haab F, Cardozo L, et al. Bladder function after radical hysterectomy for cervical cancer. *Neurourol Urodynam.* 2015; 34(4):309–15. doi: 10.1002/nau.22570

- Leroy LS, Lucio A, Lopes MHB. Risk factors for postpartum urinary incontinence. *Rev Esc Enferm USP*. 2016; 50(2): 200–7. doi:10.1590/S0080-623420160000200004.
- Li D, Xu Y, Nie Q, Li Y, Mao G. Predictors of urinary incontinence between abdominal obesity and non-obese male adults. *Postgrad Med*. 2017; 129(7): 747–55. doi:10.1080/00325481.2017.1357419.
- MacArthur C, Glazener CMA, Don Wilson P, Lancashire RJ, Herbison GP, Grant AM. Persistent urinary incontinence and delivery mode history: A six-year longitudinal study. *BJOG*. 2006;113:218–24. doi: 10.1111/j.1471-0528.2005.00818.x
- Menezes M, Pereira M, Hextall A. Predictors of female urinary incontinence at midlife and beyond. *Maturitas*. 2010; 65(2):167–71. doi:10.1016/j.maturitas.2009.10.004
- Milsom I, Altman D, Cartwright R, Lapitan MC, Nelson R, Sjostrom S, Tikkinen KAO. Epidemiology of urinary incontinence (IU) and other lower urinary tract symptoms (LUTS), pelvic organ prolapse (POP), and anal (AI) incontinence. Committee 1. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence 6th edition*. Tokyo: International Consultation on Incontinence. 2017.p.1–141
- Minassian VA, Bazi T, Stewart WF. Clinical epidemiological insights into urinary incontinence. *Int Urogynecol J*. 2017; 28(5): 687–96. doi:10.1007/s00192-017-3314-7
- Minassian VA, Stewart WF, Hirsch AG. Why do stress and urge incontinence co-occur much more often than expected? *Int Urogynecol J*. 2008; 19: 1429–40. doi:10.1007/s00192-008-0647-2
- Minassian VA, Stewart WF, Wood GC. Urinary incontinence in women variation in prevalence estimates and risk factors. *Obstet Gynecol*. 2008;111:324–31. doi:10.1097/01.AOG.0000267220.48987.17.
- Minassian VA, Yan XY, Pitcavage J, Stewart WF. Mixed incontinence masked as stress induced urgency urinary incontinence. *J Urol*. 2016; 196(4): 1190–5. doi:10.1016/j.juro.2016.04.084
- Molinuevo B, Batista-Miranda JE. Under the tip of the iceberg: Psychological factors in incontinence. *Neurourol Urodynam*. 2012;31:669–71. doi:10.1002/nau.21216
- Morin M, Bourbonnais D, Gravel D, Dumoulin C, Lemieux MC. Pelvic floor muscle function in continent and stress urinary incontinent women using dynamometric measurements. *Neurourol Urodynam*. 2014;23(7): 668–74. doi:10.1002/nau.20069
- Morris CL. Urge urinary incontinence and the brain factor. *Neurourol Urodynam*. 2013; 32(5): 441–8. doi:10.1002/nau.22357
- Myers DL. Female mixed urinary incontinence: A clinical review. *JAMA*. 2014;311(19):2007–14. doi: 10.1001/jama.2014.4299.
- Nijman RJM. Classification and treatment of functional incontinence in children. *BJU Int*. 2000; 85(Suppl 3): 45–6.
- O'Dell KK, Labin LC. Common problems of urination in nonpregnant women: Causes, current management, and prevention strategies. *J Midwifery Womens Health*. 2006;51(3): 159–73. doi:10.1016/j.jmwh.2006.01.003
- Oliveira JEP, Vencio S (Org.). Diretrizes da Sociedade Brasileira de Diabetes 2015–2016 [Internet]. São Paulo: Sociedade Brasileira de Diabetes: A.C. Farmacêutica; 2016 [acesso em 2019 Ago 26]. Disponível em: <http://www.diabetes.org.br/profissionais/images/docs/DIRETRIZES-SBD-2015-2016.pdf>
- Osman NI, Li Marzi V, Cornu JN, Drake MJ. Evaluation and classification of stress urinary incontinence: current concepts and future directions. *Eur Urol Focus*. 2016; 2(3): 238–44. doi: 10.1016/j.euf.2016.05.006.
- Ouslander JG. Management of overactive bladder. *N Engl J Med*. 2004; 350(8): 786–99. doi: 10.1056/NEJMra032662

- Petros P. The integral system. *Cent European J Urol*. 2011; 64(3): 110–9. <http://doi.org/10.5173/ceju.2011.03.art1>
- Pinna C, Zanardo R, Puglisi L. Prostaglandin-release impairment in the bladder epithelium of streptozotocin-induced diabetic rats. *Eur J Pharmacol*. 2000; 388(3):267–73. doi:10.1016/s0014-2999(99)00833-x
- Porena M, Costantini E, Lazzeri M. Mixed incontinence: How best to manage it? *Curr Bladder Dysfunct Rep*. 2013; 8:7–12. doi:10.1007/s11884-012-0161-8
- Rantell A. Assessment and diagnosis of overactive bladder in women. *Nurs Stand*. 2013; 27(52): 35–40. doi:10.7748/ns2013.08.27.52.35.e7389
- Robinson D, Giarenis I, Cardozo L. You are what you eat: The impact of diet on overactive bladder and lower urinary tract symptoms. *Maturitas*. 2014; 79(1): 8–13. doi:10.1016/j.maturitas.2014.06.009
- Rocha J, Brandão P, Melo A, Torres S, Costa F. Assessment of urinary incontinence in pregnancy and postpartum: Observational study. *Acta Med Port*. 2017; 30(7–8): 568–572. doi:10.20344/amp.7371.
- Rogers RG, Leeman LL. Postpartum genitourinary changes. *Urol Clin N Am*. 2007; 34(1): 13–21. doi:10.1016/j.ucl.2006.10.005
- Rosenberg MT, Newman DK, Tallman CT, Page SA. Overactive bladder: Recognition requires vigilance for symptoms. *Cleve Clin J Med*. 2007; 74 (Suppl 3): S21–29.
- Sakakibara R. Dementia and lower urinary tract dysfunction. In: Corcos J, Ginsberg, Karsenty G. *Textbook of the neurogenic bladder*. New York: CRC Press. 2016. p.179–98.
- Salvatore S, Rademakers K, DeLancey J, Igawa Y, Koelbl H, Laterza RM, et al. Pathophysiology of urinary incontinence, faecal incontinence and pelvic organ prolapse. Committee 4. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence 6th edition*. Tokyo: International Consultation on Incontinence. 2017. p. 361–496.
- Serati M, Topazio L, Bogani G, Constantini E, Pietropaolo A, Palleschi G, et al. Urodynamics useless before surgery for female stress urinary incontinence: Are you sure? Results from a multi-center single nation database. *Neurourol Urodynam*. 2016;35(7): 809–12. doi:10.1002/nau.22804.
- Sobhgol SS, Charandabee SMA. Related factors of urge, stress, mixed urinary incontinence and overactive bladder in reproductive age women in Tabriz, Iran: A cross-sectional study. *Int Urogynecol J Pelvic Floor Dysfunct*. 2008;19 (3):367–73. doi:10.1007/s00192-007-0437-2
- Starkman JS, Dmochowski RR. Urgency assessment in the evaluation of overactive bladder (OAB). *Neurourol Urodynam*. 2008; 27 (1): 13–21. doi:10.1002/nau.20472
- Staskin D, Tubaro A, Norton PA, Ashton-Miller JA. Mechanisms of continence and surgical cure in female and male SUI: Surgical research initiatives. *Neurourol Urodyn*. 2011; 30(5):704–07. doi:10.1002/nau.21139.
- Stohrer M, Goepel M, Kondo A, Kramer G, Madersbacher H, Millard R, et al. The standardization of terminology in neurogenic lower urinary tract dysfunction with suggestions for diagnostic procedures. *Neurourol Urodynam*. 1999;18 (2):139–58.
- Sultan AH, Monga A, Lee J, Emmanuel A, Norton C, Santoro G, et al. An International Urogynecological Association (IUGA)/International Continence Society (ICS) joint report on the terminology for female anorectal dysfunction. *Int Urogynecol J*. 2017; 28(1): 5–31. doi:10.1007/s00192-016-3140-3
- Tahtinen RM, Cartwright R, Tsui JF, Aaltonen RL, Aoki Y, Cardenas JL, et al. Long-term impact of mode of delivery on stress urinary incontinence and urgency urinary

- incontinence: A systematic review and meta-analysis. *Eur Urol*. 2016; 70(1): 148–58. doi:10.1016/j.eururo.2016.01.037.
- The Oxford English Dictionary [Internet]. Oxford: Oxford University Press, c2018 [acesso em 2019 Ago 26]. Disponível em: <https://www.oed.com/>
- Thompson DL. Pathology and management of functional factors contributing to incontinence. In: Doughty B.D. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p. 167–85.
- Thrushelvam N, Cruz F, Kirby M, Tubaro A, Chapple CR, Sievert KD. A review of detrusor overactivity and the overactivity bladder after prostate cancer treatment. *BJU Int*. 2015; 116(6): 853–61. doi:10.1111/bju.13078
- Tong YC, Cheng JY, Wan WC. Effects of Ba-Wei-Die-Huang-Wan on the cholinergic function and protein expression of M2 muscarinic receptor of the urinary bladder in diabetic rats. *Neurosci Lett*. 2002;330(1):21–4. doi:10.1016/s0304-3940(02)00713-9
- Townsend MK, Danforth KN, Lifford KL, Rosner B, Curhan GC, Resnick NM, et al. Incidence and remission of urinary incontinence in middle-aged women. *Am J Obstet Gynecol*. 2007; 197(2): 167.e1-167.e5. doi: 10.1016/j.ajog.2007.03.041
- Troko J, Bach F, Toozs-Hobson P. Predicting urinary incontinence in women in later life: A systematic review. *Maturitas*. 2016; 94:110–6. doi:10.1016/j.maturitas.2016.09.006
- von Gontard A, de Jong TPVM, Rantell A, Nieuwhof-Leppink A, Badawi JK, Cardozo L. Do we manage incontinence in children and adults with special needs adequately? ICI-RS 2014. *Neurourol Urodynam*. 2016; 35(2): 304–6. doi.org/10.1002/nau.22823
- von Gontard A, Niemczyk J, Wagner J, Equit M. Voiding postponement in children—A systematic review. *Eur Child Adolesc Psychiatry*. 2016; 25:809–20.
- von Gontard A, Niemczyk J, Weber M, Equit M. Specific behavioral comorbidity in a large sample of children with functional incontinence: Report of 1,001 cases. *Neurourol Urodynam*. 2015; 34(8): 763–8. doi.org/10.1002/nau.22651
- von Gontard A. Does psychological stress affect LUT function in children?: ICI-RS 2011. *Neurourol Urodynam*. 2012; 31(3): 344–8. doi:10.1002/nau.22216
- Wesnes SL, Hannestad Y, Rortveit G. Delivery parameters, neonatal parameters and incidence of urinary incontinence six months postpartum: A cohort study. *Acta Obstet Gynecol Scand*. 2017; 96(10): 1214–22. doi:10.1111/aogs.13183.
- Wesnes SL. Weight and urinary incontinence: The missing links. *Int Urogynecol J*. 2014; 25(6): 725–9. doi:10.1007/s00192-013-2268-7.
- Woodtli A. Mixed incontinence: A new nursing diagnosis? *Nurs Diagn*. 1995; 6(4): 135–42.
- Wyman JF, Burgio KL, Newman DK. Practical aspects of lifestyle modifications and behavioural interventions in the treatment of overactive bladder and urgency urinary incontinence. *Int J Clin Pract*. 2009; 63(8): 1177–91. <http://doi.org/10.1111/j.1742-1241.2009.02078.x>
- Wyndaele JJ, De Wachter S. The sensory bladder (1): An update on the different sensations described in the lower urinary tract and the physiological mechanisms behind them. *Neurourol Urodynam*. 2008; 27(4): 274–8. doi:10.1002/nau.20510
- Yamaguchi C, Sakakibara R, Uchiyama T, Yamamoto T, Ito T, Liu Z, et al. Overactive bladder in diabetes: A peripheral or central mechanism? *Neurourol Urodynam*. 2007; 26(6): 807–13. doi:10.1002/nau.20404
- Yang J, Cheng JW, Wagner H, Lohman E, Yang SH, Krishningner GA, et al. The effect of high impact crossfit exercises on the stress urinary incontinence in physically active women. *Neurourol Urodynam*, 2019; 38: 749–56. doi:10.1002/nau.23912

Yuan Z, Tang Z, He C, Tang W. Diabetic cystopathy: A review. *J Diabetes*. 2015;7(4): 442–7. doi: 10.1111/1753-0407.12272

Stress urinary incontinence (00017)

- Abrams P, Cardozo L, Fall M, Griffiths D, Rosler P, Ulmsten U, et al. The standardisation of terminology of lower urinary tract function: Report from the Standardisation Sub-committee of the International Continence Society. *Neurourol Urodynam*. 2002;21(2):167–78. doi:10.1002/nau.10052
- Anger TJ, Saigal CS, Stothers L, Thom DH, Rodriguez LV, Litwin MS, et al. The prevalence of urinary incontinence among community dwelling men: Results from the National Health and Nutrition Examination Survey. *J Urol*. 2006; 176(5): 2103–8. doi:10.1016/j.juro.2006.07.029
- Aoki Y, Brown HW, Brubaker L, Cornu JN, Daly JO, Cartwright R. Urinary incontinence in women. *Nat Rev Dis Primers*. 2017;6(3):17042. doi:10.1038/nrdp.2017.42.
- Apostolidis A, Drake MJ, Emmanuel A, Gajewski J, Hamid R, Heesakkers J et al. Neurologic urinary and faecal incontinence. Committee 10. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence*. 6th Edition. Tokyo: 6th International Consultation on Incontinence; 2016. p.1093–308.
- Blaivas JG. Overactive bladder and the definition of urgency. *Neurourol Urodynam*. 2007; 26(6):757–8. doi:10.1002/nau.20429
- Bortz WM 2nd. A conceptual framework of frailty: A review. *J Gerontol A Sci Med Sci*. 2002; 57(5); M283–8.
- Botlero R, Davis SR, Urquhart DM, Shortreed S, Bell RJ. Age-specific prevalence of, and factors associated with, different types of urinary incontinence in community-dwelling Australian women assessed with a validated questionnaire. *Maturitas*. 2009; 62(2):134–9. doi: 10.1016/j.maturitas.2008.12.017
- Brown S, Gartland D, Donath S, MacArthur C. Effects of prolonged second stage, method of birth, timing of caesarean section and other obstetric risk factors on post-natal urinary incontinence: An Australian nulliparous cohort study. *BJOG*. 2011;118 (8): 991–1000. doi: 10.1111/j.1471-0528.2011.02928.x
- Burti JS, Santos AMB, Pereira RAR, Zambon JP, Marques AP. Prevalence and clinical characteristics of urinary incontinence in elderly individuals of a low income. *Arch Gerontol Geriatr*. 2012; 54(2): e42–6. doi:10.1016/j.archger.2011.04.004.
- Cardozo L, Chapple CR, Dmochowski R, Fitzgerald MP, Hanno P, Michel MC et al. Urinary urgency – translating the evidence base into daily clinical practice. *Int J Clin Pract*. 2009; 63(12): 1675–82. doi.org/10.1111/j.1742-1241.2009.02205.x
- Chaing JC, Ouslander J, Schnelle J, Reuben DB. Dually incontinent nursing home residents: clinical characteristics and treatment differences. *J Am Geriatr Soc*. 2000; 48 (6): 673–6. doi:10.1111/j.1532-5415.2000.tb04727.x
- Chen SH. Differential diagnosis of urinary incontinence. *Tzu Chi Med J*. 2007; 19:53–59.
- Clemens JQ, Bogart LM, Liu K, Pham C, Suttrop M, Berry S. Perceptions of “urgency” in with interstitial cystitis/bladder pain syndrome or overactive bladder. *Neurourol Urodynam*. 2011; 30(3):402–5. doi:10.1002/nau.20974
- Committee on Practice Bulletins - Gynecology and the American Urogynecologic Society. Urinary incontinence in women. *Female Pelvic Med Reconstr Surg*. 2015;21 (6):304–14. doi: 10.1097/SPV.0000000000000231.
- D'Ancona C, Haylen B, Oelke M, Abranches-Monteiro L, Arnold E, Goldman H, et al. The International Continence Society (ICS) report on the terminology for adult male

- lower urinary tract and pelvic floor symptoms and dysfunction. *Neurourol Urodynam.* 2019;38(2):433–77. doi:10.1002/nau.23897.
- Danforth KN, Townsend MK, Curhan GC, Resnick NM, Goldstein F. Type 2 Diabetes Mellitus and risk of stress, urge and mixed urinary incontinence. *J Urol.* 2009;181(1):193–7. doi:10.1016/j.juro.2008.09.007
- de Boer TA, Salvatore S, Cardozo L, Chapple C, Kelleher C, van Kerrebroeck P, et al. Pelvic organ prolapse and overactive bladder. *Neurourol Urodynam.* 2010; 29(1): 30–9. doi:10.1002/nau.20858.
- de Groat WC, Griffiths D, Yoshimura N. Neural control of the lower urinary tract. *Compr Physiol.* 2015; 5(1): 327–96. doi:10.1002/cphy.c130056.
- Deegan EG, Stothers L, Kavanagh A, Macnab AJ. Quantification of pelvic floor muscle strength in female urinary incontinence: A systematic review and comparison of contemporary methodologies. *Neurourol Urodynam.* 2018; 37(1):33–45. doi:10.1002/nau.23285
- DeLancey JOI. Why do women have stress urinary incontinence? *Neurourol Urodynam.* 2010; 29:S13–S17. doi:10.1002/nau.20888
- Deng DY. Urinary incontinence in women. *Med Clin North Am.* 2010; 95(1): 101–9. doi: 10.1016/j.mcna.2010.08.022.
- Devreese A, Staes F, Weerdts W, Feys H, van Assche A, Penninckx F, et al. Clinical evaluation of pelvic floor muscle function in continent and incontinent women. *Neurourol Urodynam.* 2004; 23(3): 190–7. doi:10.1002/nau.20018
- Diaz DC, Robinson D, Bosch R, Constantini E, Cotterill N, Espuna-Pons M, et al. Initial assessment of urinary incontinence in adult female and female patients. Committee 5A. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence.* 6th Edition. Tokyo: 6th International Consultation on Incontinence; 2016. p.497–540.
- Digesu GA, Salvatore S, Fernando R, Khullar V. Mixed urinary symptoms: What are the urodynamic findings? *Neurourol Urodynam.* 2008; 27(5): 372–5. doi:10.1002/nau.20530
- Doughty BD, Burns P. Pathology and management of stress incontinence. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts.* Georgia, USA: Mosby Elsevier. 2006. p.77–107.
- Dowling-Castronovo A, Specht JK. Assessment of transient urinary incontinence in older adults. *Am J Nurs.* 2009; 109(2): 62–71. doi:10.1097/01.NAJ.0000345392.52704.6d.
- Drake MJ, Apostolidis A, Cocci A, Emmanuel A, Gajewski JB, Harrison SCW et al. Neurogenic lower urinary tract dysfunction: Clinical management recommendations of the Neurologic Incontinence Committee of the Fifth International Consultation on Incontinence 2013. *Neurourol Urodynam.* 2016; 35(6): 657–65. doi:10.1002/nau.23027
- Drake MJ. Do we need a new definition of the overactive bladder syndrome? ICI-RS 2013. *Neurourol Urodynam.* 2014; 33(5), 622–4. doi:10.1002/nau.22609
- DuBeau CE, Kuchel GA, Johnson II T, Palmer MH, Wagg A, Fourth International Consultation on Incontinence. Incontinence in the frail elderly: Report from the 4th International Consultation on Incontinence. *Neurourol Urodynam.* 2010; 29(1):165–78. doi:10.1002/nau.20842
- Elkady E. Functional urinary incontinence in women. *J Pelvic Med Surg.* 2006; 12(1): 1–13. doi: 10.1097/01.spv.0000199622.01729.ac

- Ermer-Seltum J. Assessment and management of acute or transient urinary incontinence. In: Doughty BD. Urinary & fecal incontinence: Current management concepts. Georgia: Mosby Elsevier. 2006. p.55–75
- Ficazzola MA, Nitti VW. The etiology of post-radical prostatectomy incontinence and correlation of symptoms with urodynamic findings. *J Urol*. 1998; 160(4): 1317–20.
- Filho JFL, Baccaro LFC, Fernandes T, Conde DM, Costa-Paiva L, Neto AMP. Epidemiologia da menopausa e dos sintomas climatéricos em mulheres de uma região metropolitana no sudeste do Brasil: inquérito populacional domiciliar. *Rev Bras Ginecol Obstet*. 2015; 37(4): 152–8. <http://dx.doi.org/10.1590/SO100-720320150005282>
- Franco I. Functional bladder problems in children: Pathophysiology, diagnosis, and treatment. *Pediatr Clin N Am*. 2012; 59(4):783–817. doi:10.1016/j.pcl.2012.05.007
- Gajewski JB, Drake MJ. Neurological lower urinary tract dysfunction essencial terminology. *Neurourol Urodynam*. 2018; 37:S25–S31. doi:10.1002/nau.23758
- Gamble TL, Du H, Sand PK, Botros SM, Rurak M, Goldberg RP. Urge incontinence: Estimating environmental and obstetrical risk factors using an identical twin study. *Int Urogynecol J*. 2010; 21(8): 939–46. doi:10.1007/s00192-010-1140-2
- Glazener C, Herbison G, MacArthur C, Lancashire R, McGee M, Grant A, Wilson P. New postnatal urinary incontinence: Obstetric and other risk factors in primiparae. *BJOG*. 2006;113(2):208–17. doi:10.1111/j.1471-0528.2005.00840.x
- Gordon B, Shorter B, Isodi KK, Moldwin RM. Obesity with comorbid stress urinary incontinence in women: A narrative review to inform dietetics practice. *J Acad Nutr Diet*. 2017; 117(6): 889–907. doi: 10.1016/j.jand.2016.09.024.
- Gray ML. Pathology and management of reflex incontinence/neurogenic bladder. In: Doughty BD. Urinary & fecal incontinence: Current management concepts. Georgia: Mosby Elsevier. 2006. p.21–54.
- Greer JA, Xu R, Probert RJ, Arya LA. Urinary Incontinence and Disability in Community-Dwelling Women: A Cross-Sectional Study. *Neurourol Urodynam*. 2015; 34(6): 539–43, 2015. doi:10.1002/nau.22615
- Guralnick ML, Fritel X, Tarcan T, Espuna-Pons M, Rosier PFWM. ICS Educational Module: Cough stress test in the evaluation of female urinary incontinence: Introducing the ICS-Uniform Cough Stress Test. *Neurourol Urodynam*. 2018;37(5):1849–55. doi:10.1002/nau.23519.
- Haab F. Chapter 1: The conditions of neurogenic detrusor overactivity and overactive bladder. *Neurourol Urodynam*. 2014; 33(S3): S2–S5. doi:10.1002/nau.22636
- Hagosvska M, Svihra J, Buková A, Dracková D, Svihrová V. Prevalence and risk of sports types to stress urinary incontinence in sportswomen: A cross-sectional study. *Neurourol Urodynam*. 2018; 37: 1957–64. doi:10.1002/nau.23538
- Haylen BT, Maher CF, Barber MD, Camargo S, Sandolu V, Digesu A, et al. An International Urogynecological Association (IUGA)/International Continence Society joint report on the terminology for female Pelvic Organ Prolapse (POP). *Neurourol Urodynam*. 2016; 35: 137–68. DOI 10.1002/nau.22922
- Haylen BT, Ridder D, Freeman RM, Swift SE, Berghmans B, Lee J, et al. International Urogynecological Association (IUGA)/International Continence Society(ICS) joint point report on the terminology for female pelvic floor dysfunction. *Neurourol Urodynam*. 2010; 29(1): 4–20. doi:10.1002/nau
- Higa R, Lopes MHB, Reis MJ. Fatores de risco para incontinência urinária na mulher. *Rev Esc Enferm USP*. 2008; 42(1): 187–92.

- Hoyland K, Vasdev N, Abrof A, Boustead G. Post-radical prostatectomy incontinence: etiology and prevention. *Rev Urol.* 2014; 16(4): 181–8.
- Hunikaar S. A systematic review of overweight and obesity as risk factors and targets for clinical intervention for urinary incontinence in women. *Neurourol Urodynam.* 2008; 27(8): 749–57. doi: 10.1002/nau.20635.
- Ikeda Y, Nakagawa H, Ohmori-Matsuda K, Hozawa A, Masamune Y, Nishino Y, et al. Risk factors for overactive bladder in the elderly population: A community-based study with face-to-face interview. *Int J Urology.* 2011; 18(3): 212–18. doi:10.1111/j.1442–2042.2010.02696.x.
- Irwin DE, Milsom I, Hunikaar S, Reilly K, Zopp Z, Herschorn S, et al. Population-based survey of urinary incontinence, overactive bladder, and other lower urinary tract symptoms in five countries: Results of the EPIC Study. *Eur Urol.* 2006; 50(6): 1306–15. doi:10.1016/j.eururo.2006.09.019
- Jha S, Walters SJ, Bortolami O, Dixon S, Alshreef A. Impact of pelvic floor muscle training on sexual function of women with urinary incontinence and a comparison of electrical stimulation versus standard treatment (IPSU trial): A randomised controlled trial. *Physiotherapy.* 2018; 104(1): 91–7. doi: 10.1016/j.physio.2017.06.003
- Khandelwal C, Kistler C. Diagnosis of urinary incontinence. *Am Fam Physician.* 2013; 87(8): 543–50.
- Khullar V, Cardozo L, Dmochowski R. Mixed incontinence: Current evidence and future perspectives. *Neurourol Urodynam.* 2010;29(4):618–22. doi:10.1002/nau.20907.
- Komesu YM, Schrader RM, Ketani LH, Rogers RG, Dunivan GC. Epidemiology of mixed, stress, and urgency urinary incontinence in middle-aged/older women: The importance of incontinence history. *Int Urogynecol J.* 2016; 27(5):763–72. doi:10.1007/s00192–015–2888–1
- Krisovich M. Pathology and management of the overactive bladder. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts.* Georgia: Mosby Elsevier. 2006. p.109–65
- Kuhn S, Natale N, Siemer S, Stoeckle M, von Gontard M. Clinical differences in daytime wetting subtypes: Urge incontinence and postponed voiding. *J Urol.* 2009;182(4): 1967–72. doi: 10.1016/j.juro.2009.03.023
- Laterza RM, Sievert KD, de Ridder D, Vierhout ME, Haab F, Cardozo L, et al. Bladder function after radical hysterectomy for cervical cancer. *Neurourol Urodynam.* 2015; 34(4):309–15. doi: 10.1002/nau.22570
- Leroy LS, Lucio A, Lopes MHB. Risk factors for postpartum urinary incontinence. *Rev Esc Enferm USP.* 2016; 50(2): 200–7. doi:10.1590/S0080–623420160000200004.
- Li D, Xu Y, Nie Q, Li Y, Mao G. Predictors of urinary incontinence between abdominal obesity and non-obese male adults. *Postgrad Med.* 2017; 129(7): 747–55. doi:10.1080/00325481.2017.1357419.
- MacArthur C, Glazener CMA, Don Wilson P, Lancashire RJ, Herbison GP, Grant AM. Persistent urinary incontinence and delivery mode history: A six-year longitudinal study. *BJOG.* 2006;113:218–24. doi: 10.1111/j.1471–0528.2005.00818.x
- Menezes M, Pereira M, Hextall A. Predictors of female urinary incontinence at midlife and beyond. *Maturitas.* 2010; 65(2):167–71. doi:10.1016/j.maturitas.2009.10.004
- Milsom I, Altman D, Cartwright R, Lapitan MC, Nelson R, Sjöström S, Tikkinen KAO. Epidemiology of urinary incontinence (IU) and other lower urinary tract symptoms (LUTS), pelvic organ prolapse (POP), and anal (AI) incontinence. Committee 1. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence 6th edition.* Tokyo: International Consultation on Incontinence. 2017.p.1–141

- Minassian VA, Bazi T, Stewart WF. Clinical epidemiological insights into urinary incontinence. *Int Urogynecol J*. 2017; 28(5): 687–96. doi:10.1007/s00192-017-3314-7
- Minassian VA, Stewart WF, Hirsch AG. Why do stress and urge incontinence co-occur much more often than expected? *Int Urogynecol J*. 2008; 19: 1429–40. doi:10.1007/s00192-008-0647-2
- Minassian VA, Stewart WF, Wood GC. Urinary incontinence in women variation in prevalence estimates and risk factors. *Obstet Gynecol*. 2008;111:324–31. doi:10.1097/01.AOG.0000267220.48987.17.
- Minassian VA, Yan XY, Pitcavage J, Stewart WF. Mixed incontinence masked as stress induced urgency urinary incontinence. *J Urol*. 2016; 196(4): 1190–5. doi:10.1016/j.juro.2016.04.084
- Molinuevo B, Batista-Miranda JE. Under the tip of the iceberg: Psychological factors in incontinence. *Neurourol Urodynam*. 2012;31:669–71. doi:10.1002/nau.21216
- Morin M, Bourbonnais D, Gravel D, Dumoulin C, Lemieux MC. Pelvic floor muscle function in continent and stress urinary incontinent women using dynamometric measurements. *Neurourol Urodynam*. 2014;23(7): 668–74. doi:10.1002/nau.20069
- Morris CL. Urge urinary incontinence and the brain factor. *Neurourol Urodynam*. 2013; 32(5): 441–8. doi:10.1002/nau.22357
- Myers DL. Female mixed urinary incontinence: A clinical review. *JAMA*. 2014;311(19):2007–14. doi: 10.1001/jama.2014.4299.
- Nijman RJM. Classification and treatment of functional incontinence in children. *BJU Int*. 2000; 85(Suppl 3): 45–6.
- O'Dell KK, Labin LC. Common problems of urination in nonpregnant women: Causes, current management, and prevention strategies. *J Midwifery Womens Health*. 2006;51(3): 159–73. doi:10.1016/j.jmwh.2006.01.003
- Oliveira JEP, Vencio S (Org.). Diretrizes da Sociedade Brasileira de Diabetes 2015–2016 [Internet]. São Paulo: Sociedade Brasileira de Diabetes: A.C. Farmacêutica; 2016 [acesso em 2019 Ago 26]. Disponível em: <http://www.diabetes.org.br/profissionais/images/docs/DIRETRIZES-SBD-2015-2016.pdf>
- Osman NI, Li Marzi V, Cornu JN, Drake MJ. Evaluation and classification of stress urinary incontinence: current concepts and future directions. *Eur Urol Focus*. 2016; 2(3): 238–44. doi: 10.1016/j.euf.2016.05.006.
- Ouslander JG. Management of overactive bladder. *N Engl J Med*. 2004; 350(8): 786–99. doi: 10.1056/NEJMra032662
- Petros P. The integral system. *Cent European J Urol*. 2011; 64(3): 110–9. <http://doi.org/10.5173/cej.2011.03.art1>
- Pinna C, Zanardo R, Puglisi L. Prostaglandin-release impairment in the bladder epithelium of streptozotocin-induced diabetic rats. *Eur J Pharmacol*. 2000; 388(3):267–73. doi:10.1016/s0014-2999(99)00833-x
- Porena M, Costantini E, Lazzeri M. Mixed incontinence: How best to manage it? *Curr Bladder Dysfunct Rep*. 2013; 8:7–12. doi:10.1007/s11884-012-0161-8
- Rantell A. Assessment and diagnosis of overactive bladder in women. *Nurs Stand*. 2013; 27(52): 35–40. doi:10.7748/ns2013.08.27.52.35.e7389
- Robinson D, Giarenis I, Cardozo L. You are what you eat: The impact of diet on overactive bladder and lower urinary tract symptoms. *Maturitas*. 2014; 79(1): 8–13. doi: 10.1016/j.maturitas.2014.06.009
- Rocha J, Brandão P, Melo A, Torres S, Costa F. Assessment of urinary incontinence in pregnancy and postpartum: Observational study. *Acta Med Port*. 2017; 30(7–8): 568–572. doi:10.20344/amp.7371.

- Rogers RG, Leeman LL. Postpartum genitourinary changes. *Urol Clin N Am*. 2007; 34 (1): 13–21. doi: 10.1016/j.ucl.2006.10.005
- Rosenberg MT, Newman DK, Tallman CT, Page SA. Overactive bladder: Recognition requires vigilance for symptoms. *Cleve Clin J Med*. 2007; 74 (Suppl 3): S21–29.
- Sakakibara R. Dementia and lower urinary tract dysfunction. In: Corcos J, Ginsberg, Karsenty G. *Textbook of the neurogenic bladder*. New York: CRC Press. 2016. p.179–98.
- Salvatore S, Rademakers K, DeLancey J, Igawa Y, Koelbl H, Laterza RM, et al. Pathophysiology of urinary incontinence, faecal incontinence and pelvic organ prolapse. Committee 4. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence 6th edition*. Tokyo: International Consultation on Incontinence. 2017. p. 361–496.
- Serati M, Topazio L, Bogani G, Constantini E, Pietropaolo A, Palleschi G, et al. Urodynamic useless before surgery for female stress urinary incontinence: Are you sure? Results from a multi-center single nation database. *Neurourol Urodynam*. 2016;35 (7): 809–12. doi:10.1002/nau.22804.
- Sobhghol SS, Charandabee SMA. Related factors of urge, stress, mixed urinary incontinence and overactive bladder in reproductive age women in Tabriz, Iran: A cross-sectional study. *Int Urogynecol J Pelvic Floor Dysfunct*. 2008;19 (3):367–73. doi:10.1007/s00192-007-0437-2
- Starkman JS, Dmochowski RR. Urgency assessment in the evaluation of overactive bladder (OAB). *Neurourol Urodynam*. 2008; 27 (1): 13–21. doi:10.1002/nau.20472
- Staskin D, Tubaro A, Norton PA, Ashton-Miller JA. Mechanisms of continence and surgical cure in female and male SUI: Surgical research initiatives. *Neurourol Urodyn*. 2011; 30(5):704–07. doi: 10.1002/nau.21139.
- Stohrer M, Goepel M, Kondo A, Kramer G, Madersbacher H, Millard R, et al. The standardization of terminology in neurogenic lower urinary tract dysfunction with suggestions for diagnostic procedures. *Neurourol Urodynam*. 1999;18 (2):139–58.
- Sultan AH, Monga A, Lee J, Emmanuel A, Norton C, Santoro G, et al. An International Urogynecological Association (IUGA)/International Continence Society (ICS) joint report on the terminology for female anorectal dysfunction. *Int Urogynecol J*. 2017; 28(1): 5–31. doi: 10.1007/s00192-016-3140-3
- Tahtinen RM, Cartwright R, Tsui JF, Aaltonen RL, Aoki Y, Cardenas JL, et al. Long-term impact of mode of delivery on stress urinary incontinence and urgency urinary incontinence: A systematic review and meta-analysis. *Eur Urol*. 2016; 70(1): 148–58. doi:10.1016/j.eururo.2016.01.037.
- The Oxford English Dictionary [Internet]. Oxford: Oxford University Press, c2018 [acesso em 2019 Ago 26]. Disponível em: <https://www.oed.com/>
- Thompson DL. Pathology and management of functional factors contributing to incontinence. In: Doughty B.D. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p. 167–85.
- Thurchelvam N, Cruz F, Kirby M, Tubaro A, Chapple CR, Sievert KD. A review of detrusor overactivity and the overactivity bladder after prostate cancer treatment. *BJU Int*. 2015; 116(6): 853–61. doi:10.1111/bju.13078
- Tong YC, Cheng JY, Wan WC. Effects of Ba-Wei-Die-Huang-Wan on the cholinergic function and protein expression of M2 muscarinic receptor of the urinary bladder in diabetic rats. *Neurosci Lett*. 2002;330(1):21–4. doi:10.1016/s0304-3940(02)00713-9
- Townsend MK, Danforth KN, Lifford KL, Rosner B, Curhan GC, Resnick NM, et al. Incidence and remission of urinary incontinence in middle-aged women. *Am J Obstet Gynecol*. 2007; 197(2): 167.e1-167.e5. doi: 10.1016/j.ajog.2007.03.041

- Troko J, Bach F, Tooze-Hobson P. Predicting urinary incontinence in women in later life: A systematic review. *Maturitas*. 2016; 94:110–6. doi:10.1016/j.maturitas.2016.09.006
- von Gontard A, de Jong TPVM, Rantell A, Nieuwhof-Leppink A, Badawi JK, Cardozo L. Do we manage incontinence in children and adults with special needs adequately? ICI-RS 2014. *Neurourol Urodynam*. 2016; 35(2): 304–6. doi.org/10.1002/nau.22823
- von Gontard A, Niemczyk J, Wagner J, Equit M. Voiding postponement in children—A systematic review. *Eur Child Adolesc Psychiatry*. 2016; 25:809–20.
- von Gontard A, Niemczyk J, Weber M, Equit M. Specific behavioral comorbidity in a large sample of children with functional incontinence: Report of 1,001 cases. *Neurourol Urodynam*. 2015; 34(8): 763–8. doi.org/10.1002/nau.22651
- von Gontard A. Does psychological stress affect LUT function in children?: ICI-RS 2011. *Neurourol Urodynam*. 2012; 31(3): 344–8. doi:10.1002/nau.22216
- Wesnes SL, Hannestad Y, Rortveit G. Delivery parameters, neonatal parameters and incidence of urinary incontinence six months postpartum: A cohort study. *Acta Obstet Gynecol Scand*. 2017; 96(10): 1214–22. doi:10.1111/aogs.13183.
- Wesnes SL. Weight and urinary incontinence: The missing links. *Int Urogynecol J*. 2014; 25(6): 725–9. doi:10.1007/s00192-013-2268-7.
- Woodtli A. Mixed incontinence: A new nursing diagnosis? *Nurs Diagn*. 1995; 6(4): 135–42.
- Wyman JF, Burgio KL, Newman DK. Practical aspects of lifestyle modifications and behavioural interventions in the treatment of overactive bladder and urgency urinary incontinence. *Int J Clin Pract*. 2009; 63(8): 1177–91. http://doi.org/10.1111/j.1742-1241.2009.02078.x
- Wyndaele JJ, De Wachter S. The sensory bladder (1): An update on the different sensations described in the lower urinary tract and the physiological mechanisms behind them. *Neurourol Urodynam*. 2008; 27(4): 274–8. doi:10.1002/nau.20510
- Yamaguchi C, Sakakibara R, Uchiyama T, Yamamoto T, Ito T, Liu Z, et al. Overactive bladder in diabetes: A peripheral or central mechanism? *Neurourol Urodynam*. 2007; 26(6): 807–13. doi:10.1002/nau.20404
- Yang J, Cheng JW, Wagner H, Lohman E, Yang SH, Krishningner GA, et al. The effect of high impact crossfit exercises on the stress urinary incontinence in physically active women. *Neurourol Urodynam*, 2019; 38: 749–56. doi:10.1002/nau.23912
- Yuan Z, Tang Z, He C, Tang W. Diabetic cystopathy: A review. *J Diabetes*. 2015;7(4): 442–7. doi: 10.1111/1753-0407.12272

Urge urinary incontinence (00019)

- Abrams P, Cardozo L, Fall M, Griffiths D, Rosler P, Ulmsten U, et al. The standardisation of terminology of lower urinary tract function: Report from the Standardisation Sub-committee of the International Continence Society. *Neurourol Urodynam*. 2002;21(2):167–78. doi:10.1002/nau.10052
- Anger TJ, Saigal CS, Stothers L, Thom DH, Rodriguez LV, Litwin MS, et al. The prevalence of urinary incontinence among community dwelling men: Results from the National Health and Nutrition Examination Survey. *J Urol*. 2006; 176(5): 2103–8. doi:10.1016/j.juro.2006.07.029
- Aoki Y, Brown HW, Brubaker L, Cornu JN, Daly JO, Cartwright R. Urinary incontinence in women. *Nat Rev Dis Primers*. 2017;6(3):17042. doi:10.1038/nrdp.2017.42.
- Apostolidis A, Drake MJ, Emmanuel A, Gajewski J, Hamid R, Heesakkers J et al. Neurologic urinary and faecal incontinence. Committee 10. In: Abrams P, Cardozo L,

- Wagg A, Wein A. Incontinence. 6th Edition. Tokyo: 6th International Consultation on Incontinence; 2016. p.1093–308.
- Blaivas JG. Overactive bladder and the definition of urgency. *Neurourol Urodynam.* 2007; 26(6):757–8. doi:10.1002/nau.20429
- Bortz WM 2nd. A conceptual framework of frailty: A review. *J Gerontol A Sci Med Sci.* 2002; 57(5); M283-8.
- Botlero R, Davis SR, Urquhart DM, Shortreed S, Bell RJ. Age-specific prevalence of, and factors associated with, different types of urinary incontinence in community-dwelling Australian women assessed with a validated questionnaire. *Maturitas.* 2009; 62(2):134–9. doi: 10.1016/j.maturitas.2008.12.017
- Brown S, Gartland D, Donath S, MacArthur C. Effects of prolonged second stage, method of birth, timing of caesarean section and other obstetric risk factors on post-natal urinary incontinence: An Australian nulliparous cohort study. *BJOG.* 2011;118 (8): 991–1000. doi: 10.1111/j.1471–0528.2011.02928.x
- Burti JS, Santos AMB, Pereira RAR, Zambon JP, Marques AP. Prevalence and clinical characteristics of urinary incontinence in elderly individuals of a low income. *Arch Gerontol Geriatr.* 2012; 54(2): e42–6. doi:10.1016/j.archger.2011.04.004.
- Cardozo L, Chapple CR, Dmochowski R, Fitzgerald MP, Hanno P, Michel MC et al. Urinary urgency – translating the evidence base into daily clinical practice. *Int J Clin Pract.* 2009; 63(12): 1675–82. doi.org/10.1111/j.1742–1241.2009.02205.x
- Chaing JC, Ouslander J, Schnelle J, Reuben DB. Dually incontinent nursing home residents: clinical characteristics and treatment differences. *J Am Geriatr Soc.* 2000; 48 (6): 673–6. doi:10.1111/j.1532–5415.2000.tb04727.x
- Chen SH. Differential diagnosis of urinary incontinence. *Tzu Chi Med J.* 2007; 19:53–59.
- Clemens JQ, Bogart LM, Liu K, Pham C, Suttrop M, Berry S. Perceptions of “urgency” in with interstitial cystitis/bladder pain syndrome or overactive bladder. *Neurourol Urodynam.* 2011; 30(3):402–5. doi:10.1002/nau.20974
- Committee on Practice Bulletins - Gynecology and the American Urogynecologic Society. Urinary incontinence in women. *Female Pelvic Med Reconstr Surg.* 2015;21 (6):304–14. doi: 10.1097/SPV.0000000000000231.
- D’Ancona C, Haylen B, Oelke M, Abranches-Monteiro L, Arnold E, Goldman H, et al. The International Continence Society (ICS) report on the terminology for adult male lower urinary tract and pelvic floor symptoms and dysfunction. *Neurourol Urodynam.* 2019;38(2):433–77. doi:10.1002/nau.23897.
- Danforth KN, Townsend MK, Curhan GC, Resnick NM, Goldstein F. Type 2 Diabetes Mellitus and risk of stress, urge and mixed urinary incontinence. *J Urol.* 2009;181 (1):193–7. doi:10.1016/j.juro.2008.09.007
- de Boer TA, Salvatore S, Cardozo L, Chapple C, Kelleher C, van Kerrebroeck P, et al. Pelvic organ prolapse and overactive bladder. *Neurourol Urodynam.* 2010; 29(1): 30–9. doi:10.1002/nau.20858.
- de Groat WC, Griffiths D, Yoshimura N. Neural control of the lower urinary tract. *Compr Physiol.* 2015; 5(1): 327–96. doi:10.1002/cphy.c130056.
- Deegan EG, Stothers L, Kavanagh A, Macnab AJ. Quantification of pelvic floor muscle strength in female urinary incontinence: A systematic review and comparison of contemporary methodologies. *Neurourol Urodynam.* 2018; 37(1):33–45. doi:10.1002/nau.23285
- DeLancey JOI. Why do women have stress urinary incontinence? *Neurourol Urodynam.* 2010; 29:S13–S17. doi:10.1002/nau.20888

- Deng DY. Urinary incontinence in women. *Med Clin North Am.* 2010; 95(1): 101–9. doi: 10.1016/j.mcna.2010.08.022.
- Devreese A, Staes F, Weerdt W, Feys H, van Assche A, Penninckx F, et al. Clinical evaluation of pelvic floor muscle function in continent and incontinent women. *Neuro-urol Urodynam.* 2004; 23(3): 190–7. doi:10.1002/nau.20018
- Diaz DC, Robinson D, Bosch R, Constantini E, Cotterill N, Espuna-Pons M, et al. Initial assessment of urinary incontinence in adult female and female patients. Committee 5A. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence*. 6th Edition. Tokyo: 6th International Consultation on Incontinence; 2016. p.497–540.
- Digesu GA, Salvatore S, Fernando R, Khullar V. Mixed urinary symptoms: What are the urodynamic findings? *Neuro-urol Urodynam.* 2008; 27(5): 372–5. doi:10.1002/nau.20530
- Doughty BD, Burns P. Pathology and management of stress incontinence. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts*. Georgia, USA: Mosby Elsevier. 2006. p.77–107.
- Dowling-Castronovo A, Specht JK. Assessment of transient urinary incontinence in older adults. *Am J Nurs.* 2009; 109(2): 62–71. doi:10.1097/01.NAJ.0000345392.52704.6d.
- Drake MJ, Apostolidis A, Cocci A, Emmanuel A, Gajewski JB, Harrison SCW et al. Neurogenic lower urinary tract dysfunction: Clinical management recommendations of the Neurologic Incontinence Committee of the Fifth International Consultation on Incontinence 2013. *Neuro-urol Urodynam.* 2016; 35(6): 657–65. doi:10.1002/nau.23027
- Drake MJ. Do we need a new definition of the overactive bladder syndrome? ICI-RS 2013. *Neuro-urol Urodynam.* 2014; 33(5), 622–4. doi:10.1002/nau.22609
- DuBeau CE, Kuchel GA, Johnson II T, Palmer MH, Wagg A, Fourth International Consultation on Incontinence. Incontinence in the frail elderly: Report from the 4th International Consultation on Incontinence. *Neuro-urol Urodynam.* 2010; 29(1):165–78. doi:10.1002/nau.20842
- Elkady E. Functional urinary incontinence in women. *J Pelvic Med Surg.* 2006; 12(1): 1–13. doi: 10.1097/01.spv.0000199622.01729.ac
- Ermer-Seltum J. Assessment and management of acute or transient urinary incontinence. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p.55–75
- Ficazzola MA, Nitti VW. The etiology of post-radical prostatectomy incontinence and correlation of symptoms with urodynamic findings. *J Urol.* 1998; 160(4): 1317–20.
- Filho JFL, Baccaro LFC, Fernandes T, Conde DM, Costa-Paiva L, Neto AMP. Epidemiologia da menopausa e dos sintomas climatéricos em mulheres de uma região metropolitana no sudeste do Brasil: inquérito populacional domiciliar. *Rev Bras Ginecol Obstet.* 2015; 37(4): 152–8. <http://dx.doi.org/10.1590/SO100-720320150005282>
- Franco I. Functional bladder problems in children: Pathophysiology, diagnosis, and treatment. *Pediatr Clin N Am.* 2012; 59(4):783–817. doi:10.1016/j.pcl.2012.05.007
- Gajewski JB, Drake MJ. Neurological lower urinary tract dysfunction essential terminology. *Neuro-urol Urodynam.* 2018; 37:S25–S31. doi:10.1002/nau.23758
- Gamble TL, Du H, Sand PK, Botros SM, Rurak M, Goldberg RP. Urge incontinence: Estimating environmental and obstetrical risk factors using an identical twin study. *Int Urogynecol J.* 2010; 21(8): 939–46. doi:10.1007/s00192-010-1140-2

- Glazener C, Herbison G, MacArthur C, Lancashire R, McGee M, Grant A, Wilson P. New postnatal urinary incontinence: Obstetric and other risk factors in primiparae. *BJOG*. 2006;113(2):208–17. doi:10.1111/j.1471–0528.2005.00840.x
- Gordon B, Shorter B, Isodi KK, Moldwin RM. Obesity with comorbid stress urinary incontinence in women: A narrative review to inform dietetics practice. *J Acad Nutr Diet*. 2017; 117(6): 889–907. doi: 10.1016/j.jand.2016.09.024.
- Gray ML. Pathology and management of reflex incontinence/neurogenic bladder. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p.21–54.
- Greer JA, Xu R, Probert RJ, Arya LA. Urinary Incontinence and Disability in Community-Dwelling Women: A Cross-Sectional Study. *Neurourol Urodynam*. 2015; 34(6): 539–43, 2015. doi:10.1002/nau.22615
- Guralnick ML, Fritel X, Tarcan T, Espuna-Pons M, Rosier PFWM. ICS Educational Module: Cough stress test in the evaluation of female urinary incontinence: Introducing the ICS-Uniform Cough Stress Test. *Neurourol Urodynam*. 2018;37(5):1849–55. doi:10.1002/nau.23519.
- Haab F. Chapter 1: The conditions of neurogenic detrusor overactivity and overactive bladder. *Neurourol Urodynam*. 2014; 33(S3): S2–S5. doi:10.1002/nau.22636
- Hagosvska M, Svihra J, Buková A, Dracková D, Svihrová V. Prevalence and risk of sports types to stress urinary incontinence in sportswomen: A cross-sectional study. *Neurourol Urodynam*. 2018; 37: 1957–64. doi:10.1002/nau.23538
- Haylen BT, Maher CF, Barber MD, Camargo S, Sandolu V, Digesu A, et al. An International Urogynecological Association (IUGA)/International Continence Society joint report on the terminology for female Pelvic Organ Prolapse (POP). *Neurourol Urodynam*. 2016; 35: 137–68. DOI 10.1002/nau.22922
- Haylen BT, Ridder D, Freeman RM, Swift SE, Berghmans B, Lee J, et al. International Urogynecological Association (IUGA)/International Continence Society(ICS) joint point report on the terminology for female pelvic floor dysfunction. *Neurourol Urodynam*. 2010; 29(1): 4–20. doi:10.1002/nau
- Higa R, Lopes MHB, Reis MJ. Fatores de risco para incontinência urinária na mulher. *Rev Esc Enferm USP*. 2008; 42(1): 187–92.
- Hoyland K, Vasdev N, Abrof A, Boustead G. Post-radical prostatectomy incontinence: etiology and prevention. *Rev Urol*. 2014; 16(4): 181–8.
- Hunikaar S. A systematic review of overweight and obesity as risk factors and targets for clinical intervention for urinary incontinence in women. *Neurourol Urodynam*. 2008; 27(8): 749–57. doi: 10.1002/nau.20635.
- Ikeda Y, Nakagawa H, Ohmori-Matsuda K, Hozawa A, Masamune Y, Nishino Y, et al. Risk factors for overactive bladder in the elderly population: A community-based study with face-to-face interview. *Int J Urology*. 2011; 18(3): 212–18. doi:10.1111/j.1442–2042.2010.02696.x.
- Irwin DE, Milsom I, Hunikaar S, Reilly K, Zopp Z, Herschorn S, et al. Population-based survey of urinary incontinence, overactive bladder, and other lower urinary tract symptoms in five countries: Results of the EPIC Study. *Eur Urol*. 2006; 50(6): 1306–15. doi:10.1016/j.eururo.2006.09.019
- Jha S, Walters SJ, Bortolami O, Dixon S, Alshreef A. Impact of pelvic floor muscle training on sexual function of women with urinary incontinence and a comparison of electrical stimulation versus standard treatment (IPSU trial): A randomised controlled trial. *Physiotherapy*. 2018; 104(1): 91–7. doi: 10.1016/j.physio.2017.06.003

- Khandelwal C, Kistler C. Diagnosis of urinary incontinence. *Am Fam Physician*. 2013; 87(8): 543- 50.
- Khullar V, Cardozo L, Dmochowski R. Mixed incontinence: Current evidence and future perspectives. *Neurourol Urodynam*. 2010;29(4):618–22. doi:10.1002/nau.20907.
- Komesu YM, Schrader RM, Ketani LH, Rogers RG, Dunivan GC. Epidemiology of mixed, stress, and urgency urinary incontinence in middle-aged/older women: The importance of incontinence history. *Int Urogynecol J*. 2016; 27(5):763–72. doi:10.1007/s00192–015–2888–1
- Krissoovich M. Pathology and management of the overactive bladder. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p.109–65
- Kuhn S, Natale N, Siemer S, Stoeckle M, von Gontard M. Clinical differences in daytime wetting subtypes: Urge incontinence and postponed voiding. *J Urol*. 2009;182 (4): 1967–72. doi: 10.1016/j.juro.2009.03.023
- Laterza RM, Sievert KD, de Ridder D, Vierhout ME, Haab F, Cardozo L, et al. Bladder function after radical hysterectomy for cervical cancer. *Neurourol Urodynam*. 2015; 34(4):309–15. doi: 10.1002/nau.22570
- Leroy LS, Lucio A, Lopes MHB. Risk factors for postpartum urinary incontinence. *Rev Esc Enferm USP*. 2016; 50(2): 200–7. doi:10.1590/S0080–623420160000200004.
- Li D, Xu Y, Nie Q, Li Y, Mao G. Predictors of urinary incontinence between abdominal obesity and non-obese male adults. *Postgrad Med*. 2017; 129(7): 747–55. doi:10.1080/00325481.2017.1357419.
- MacArthur C, Glazener CMA, Don Wilson P, Lancashire RJ, Herbison GP, Grant AM. Persistent urinary incontinence and delivery mode history: A six-year longitudinal study. *BJOG*. 2006;113:218–24. doi: 10.1111/j.1471–0528.2005.00818.x
- Menezes M, Pereira M, Hextall A. Predictors of female urinary incontinence at midlife and beyond. *Maturitas*. 2010; 65(2):167–71. doi:10.1016/j.maturitas.2009.10.004
- Milsom I, Altman D, Cartwright R, Lapitan MC, Nelson R, Sjostrom S, Tikkinen KAO. Epidemiology of urinary incontinence (IU) and other lower urinary tract symptoms (LUTS), pelvic organ prolapse (POP), and anal (AI) incontinence. Committee 1. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence 6th edition*. Tokyo: International Consultation on Incontinence. 2017.p.1–141
- Minassian VA, Bazi T, Stewart WF. Clinical epidemiological insights into urinary incontinence. *Int Urogynecol J*. 2017; 28(5): 687–96. doi:10.1007/s00192–017–3314–7
- Minassian VA, Stewart WF, Hirsch AG. Why do stress and urge incontinence co-occur much more often than expected? *Int Urogynecol J*. 2008; 19: 1429–40. doi:10.1007/s00192–008–0647–2
- Minassian VA, Stewart WF, Wood GC. Urinary incontinence in women variation in prevalence estimates and risk factors. *Obstet Gynecol*. 2008;111:324–31. doi:10.1097/01.AOG.0000267220.48987.17.
- Minassian VA, Yan XY, Pitcavage J, Stewart WF. Mixed incontinence masked as stress induced urgency urinary incontinence. *J Urol*. 2016; 196(4): 1190–5. doi:10.1016/j.juro.2016.04.084
- Molinuevo B, Batista-Miranda JE. Under the tip of the iceberg: Psychological factors in incontinence. *Neurourol Urodynam*. 2012;31:669–71. doi:10.1002/nau.21216
- Morin M, Bourbonnais D, Gravel D, Dumoulin C, Lemieux MC. Pelvic floor muscle function in continent and stress urinary incontinent women using dynamometric measurements. *Neurourol Urodynam*. 2014;23(7): 668–74. doi:10.1002/nau.20069

- Morris CL. Urge urinary incontinence and the brain factor. *Neurourol Urodynam*. 2013; 32(5): 441–8. doi:10.1002/nau.22357
- Myers DL. Female mixed urinary incontinence: A clinical review. *JAMA*. 2014;311(19):2007–14. doi: 10.1001/jama.2014.4299.
- Nijman RJM. Classification and treatment of functional incontinence in children. *BJU Int*. 2000; 85(Suppl 3): 45–6.
- O'Dell KK, Labin LC. Common problems of urination in nonpregnant women: Causes, current management, and prevention strategies. *J Midwifery Womens Health*. 2006;51(3): 159–73. doi:10.1016/j.jmwh.2006.01.003
- Oliveira JEP, Vencio S (Org.). Diretrizes da Sociedade Brasileira de Diabetes 2015–2016 [Internet]. São Paulo: Sociedade Brasileira de Diabetes: A.C. Farmacêutica; 2016 [acesso em 2019 Ago 26]. Disponível em: <http://www.diabetes.org.br/profissionais/images/docs/DIRETRIZES-SBD-2015-2016.pdf>
- Osman NI, Li Marzi V, Cornu JN, Drake MJ. Evaluation and classification of stress urinary incontinence: current concepts and future directions. *Eur Urol Focus*. 2016; 2(3): 238–44. doi: 10.1016/j.euf.2016.05.006.
- Ouslander JG. Management of overactive bladder. *N Engl J Med*. 2004; 350(8): 786–99. doi: 10.1056/NEJMra032662
- Petros P. The integral system. *Cent European J Urol*. 2011; 64(3): 110–9. <http://doi.org/10.5173/cej.2011.03.art1>
- Pinna C, Zanardo R, Puglisi L. Prostaglandin-release impairment in the bladder epithelium of streptozotocin-induced diabetic rats. *Eur J Pharmacol*. 2000; 388(3):267–73. doi:10.1016/s0014-2999(99)00833-x
- Porena M, Costantini E, Lazzeri M. Mixed incontinence: How best to manage it? *Curr Bladder Dysfunct Rep*. 2013; 8:7–12. doi:10.1007/s11884-012-0161-8
- Rantell A. Assessment and diagnosis of overactive bladder in women. *Nurs Stand*. 2013; 27(52): 35–40. doi:10.7748/ns2013.08.27.52.35.e7389
- Robinson D, Giarenis I, Cardozo L. You are what you eat: The impact of diet on overactive bladder and lower urinary tract symptoms. *Maturitas*. 2014; 79(1): 8–13. doi: 10.1016/j.maturitas.2014.06.009
- Rocha J, Brandão P, Melo A, Torres S, Costa F. Assessment of urinary incontinence in pregnancy and postpartum: Observational study. *Acta Med Port*. 2017; 30(7–8): 568–572. doi:10.20344/amp.7371.
- Rogers RG, Leeman LL. Postpartum genitourinary changes. *Urol Clin N Am*. 2007; 34(1): 13–21. doi: 10.1016/j.ucl.2006.10.005
- Rosenberg MT, Newman DK, Tallman CT, Page SA. Overactive bladder: Recognition requires vigilance for symptoms. *Cleve Clin J Med*. 2007; 74 (Suppl 3): S21–29.
- Sakakibara R. Dementia and lower urinary tract dysfunction. In: Corcos J, Ginsberg, Karsenty G. *Textbook of the neurogenic bladder*. New York: CRC Press. 2016. p.179–98.
- Salvatore S, Rademakers K, DeLancey J, Igawa Y, Koelbl H, Laterza RM, et al. Pathophysiology of urinary incontinence, faecal incontinence and pelvic organ prolapse. Committee 4. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence 6th edition*. Tokyo: International Consultation on Incontinence. 2017. p. 361–496.
- Serati M, Topazio L, Bogani G, Constantini E, Pietropaolo A, Palleschi G, et al. Urodynamics useless before surgery for female stress urinary incontinence: Are you sure? Results from a multi-center single nation database. *Neurourol Urodynam*. 2016;35(7): 809–12. doi:10.1002/nau.22804.

- Sobhghol SS, Charandabee SMA. Related factors of urge, stress, mixed urinary incontinence and overactive bladder in reproductive age women in Tabriz, Iran: A cross-sectional study. *Int Urogynecol J Pelvic Floor Dysfunct.* 2008;19 (3):367–73. doi:10.1007/s00192-007-0437-2
- Starkman JS, Dmochowski RR. Urgency assessment in the evaluation of overactive bladder (OAB). *Neurourol Urodynam.* 2008; 27 (1): 13–21. doi:10.1002/nau.20472
- Staskin D, Tubaro A, Norton PA, Ashton-Miller JA. Mechanisms of continence and surgical cure in female and male SUI: Surgical research initiatives. *Neurourol Urodyn.* 2011; 30(5):704–07. doi: 10.1002/nau.21139.
- Stohrer M, Goepel M, Kondo A, Kramer G, Madersbacher H, Millard R, et al. The standardization of terminology in neurogenic lower urinary tract dysfunction with suggestions for diagnostic procedures. *Neurourol Urodynam.* 1999;18 (2):139–58.
- Sultan AH, Monga A, Lee J, Emmanuel A, Norton C, Santoro G, et al. An International Urogynecological Association (IUGA)/International Continence Society (ICS) joint report on the terminology for female anorectal dysfunction. *Int Urogynecol J.* 2017; 28(1): 5–31. doi: 10.1007/s00192-016-3140-3
- Tahtinen RM, Cartwright R, Tsui JF, Aaltonen RL, Aoki Y, Cardenas JL, et al. Long-term impact of mode of delivery on stress urinary incontinence and urgency urinary incontinence: A systematic review and meta-analysis. *Eur Urol.* 2016; 70(1): 148–58. doi:10.1016/j.eururo.2016.01.037.
- The Oxford English Dictionary [Internet]. Oxford: Oxford University Press, c2018. Available at: <https://www.oed.com/>
- Thompson DL. Pathology and management of functional factors contributing to incontinence. In: Doughty B.D. *Urinary & fecal incontinence: Current management concepts.* Georgia: Mosby Elsevier. 2006. p. 167–85.
- Thrushelvam N, Cruz F, Kirby M, Tubaro A, Chapple CR, Sievert KD. A review of detrusor overactivity and the overactivity bladder after prostate cancer treatment. *BJU Int.* 2015; 116(6): 853–61. doi:10.1111/bju.13078
- Tong YC, Cheng JY, Wan WC. Effects of Ba-Wei-Die-Huang-Wan on the cholinergic function and protein expression of M2 muscarinic receptor of the urinary bladder in diabetic rats. *Neurosci Lett.* 2002;330(1):21–4. doi:10.1016/s0304-3940(02)00713-9
- Townsend MK, Danforth KN, Lifford KL, Rosner B, Curhan GC, Resnick NM, et al. Incidence and remission of urinary incontinence in middle-aged women. *Am J Obstet Gynecol.* 2007; 197(2): 167.e1-167.e5. doi: 10.1016/j.ajog.2007.03.041
- Troko J, Bach F, Toozs-Hobson P. Predicting urinary incontinence in women in later life: A systematic review. *Maturitas.* 2016; 94:110–6. doi:10.1016/j.maturitas.2016.09.006
- von Gontard A, de Jong TPVM, Rantell A, Nieuwhof-Leppink A, Badawi JK, Cardozo L. Do we manage incontinence in children and adults with special needs adequately? ICI-RS 2014. *Neurourol Urodynam.* 2016; 35(2): 304–6. doi.org/10.1002/nau.22823
- von Gontard A, Niemczyk J, Wagner J, Equit M. Voiding postponement in children—A systematic review. *Eur Child Adolesc Psychiatry.* 2016; 25:809–20.
- von Gontard A, Niemczyk J, Weber M, Equit M. Specific behavioral comorbidity in a large sample of children with functional incontinence: Report of 1,001 cases. *Neurourol Urodynam.* 2015; 34(8): 763–8. doi.org/10.1002/nau.22651
- von Gontard A. Does psychological stress affect LUT function in children?: ICI-RS 2011. *Neurourol Urodynam.* 2012; 31(3): 344–8. doi:10.1002/nau.22216

- Wesnes SL, Hannestad Y, Rortveit G. Delivery parameters, neonatal parameters and incidence of urinary incontinence six months postpartum: A cohort study. *Acta Obstet Gynecol Scand*. 2017; 96(10): 1214–22. doi:10.1111/aogs.13183.
- Wesnes SL. Weight and urinary incontinence: The missing links. *Int Urogynecol J*. 2014; 25(6): 725–9. doi:10.1007/s00192-013-2268-7.
- Woodtli A. Mixed incontinence: A new nursing diagnosis? *Nurs Diagn*. 1995; 6(4): 135–42.
- Wyman JF, Burgio KL, Newman DK. Practical aspects of lifestyle modifications and behavioural interventions in the treatment of overactive bladder and urgency urinary incontinence. *Int J Clin Pract*. 2009; 63(8): 1177–91. <http://doi.org/10.1111/j.1742-1241.2009.02078.x>
- Wyndaele JJ, De Wachter S. The sensory bladder (1): An update on the different sensations described in the lower urinary tract and the physiological mechanisms behind them. *Neurourol Urodynam*. 2008; 27(4): 274–8. doi:10.1002/nau.20510
- Yamaguchi C, Sakakibara R, Uchiyama T, Yamamoto T, Ito T, Liu Z, et al. Overactive bladder in diabetes: A peripheral or central mechanism? *Neurourol Urodynam*. 2007; 26(6): 807–13. doi:10.1002/nau.20404
- Yang J, Cheng JW, Wagner H, Lohman E, Yang SH, Krishinger GA, et al. The effect of high impact crossfit exercises on the stress urinary incontinence in physically active women. *Neurourol Urodynam*, 2019; 38: 749–56. doi:10.1002/nau.23912
- Yuan Z, Tang Z, He C, Tang W. Diabetic cystopathy: A review. *J Diabetes*. 2015;7(4): 442–7. doi: 10.1111/1753-0407.12272

Risk for urge urinary incontinence (00022)

- Abrams P, Cardozo L, Fall M, Griffiths D, Rosler P, Ulmsten U, et al. The standardisation of terminology of lower urinary tract function: Report from the Standardisation Sub-committee of the International Continence Society. *Neurourol Urodynam*. 2002;21(2):167–78. doi:10.1002/nau.10052
- Alyeşil C, Doğan NÖ, Özturan İU, et al. Distributive shock in the emergency department: sepsis, anaphylaxis, or capillary leak syndrome? *J Emerg Med*. 2017;52(6): e229–31. doi: 10.1016/j.jemermed.2017.01.012.
- Anger TJ, Saigal CS, Stothers L, Thom DH, Rodriguez LV, Litwin MS, et al. The prevalence of urinary incontinence among community dwelling men: Results from the National Health and Nutrition Examination Survey. *J Urol*. 2006; 176(5): 2103–8. doi:10.1016/j.juro.2006.07.029
- Antlanger M, Josten P, Kammer M, et al. Blood volume-monitored regulation of ultrafiltration to decrease the dry weight in fluid-overloaded hemodialysis patients: a randomized controlled trial. *BMC Nephrol*. 2017;18(1):238. doi:10.1186/s12882-017-0639-x
- Aoki Y, Brown HW, Brubaker L, Cornu JN, Daly JO, Cartwright R. Urinary incontinence in women. *Nat Rev Dis Primers*. 2017;6(3):17042. doi:10.1038/nrdp.2017.42.
- Apostolidis A, Drake MJ, Emmanuel A, Gajewski J, Hamid R, Heesakkers J et al. Neurologic urinary and faecal incontinence. Committee 10. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence*. 6th Edition. Tokyo: 6th International Consultation on Incontinence; 2016. p.1093–308.
- Arques S, Ambrosi P. Human serum albumin in the clinical syndrome of heart failure. *J Card Fail*. 2011;17(6):451–8. doi:10.1016/j.cardfail.2011.02.010.

- Balter P, Ficociello LH, Taylor PB, et al. A year-long quality improvement project on fluid management using blood volume monitoring during hemodialysis. *Curr Med Res Opin.* 2015;31(7):1323–31. doi: 10.1185/03007995.2015.1047746.
- Barbieri C, Cattinelli I, Neri L, et al. Development of an artificial intelligence model to guide the management of blood pressure, fluid volume, and dialysis dose in end-stage kidney disease patients: proof of concept and first clinical assessment. *Kidney Dis (Basel).* 2019;5(1):28–33. doi: 10.1159/000493479.
- Berthelsen RE, Itenov T, Perner A, et al. Forced fluid removal versus usual care in intensive care patients with high-risk acute kidney injury and severe fluid overload (FFAKI): study protocol for a randomised controlled pilot trial. *Trials.* 2017;18(1):189. doi:10.1186/s13063-017-1935-2
- Bighamian R, Reisner AT, Hahn JO. A lumped-parameter subject-specific model of blood volume response to fluid infusion. *Front Physiol.* 2016;7:390. doi:10.3389/fphys.2016.00390
- Blaivas JG. Overactive bladder and the definition of urgency. *Neurourol Urodynam.* 2007; 26(6):757–8. doi:10.1002/nau.20429
- Bortz WM 2nd. A conceptual framework of frailty: A review. *J Gerontol A Sci Med Sci.* 2002; 57(5): M283–8.
- Botlero R, Davis SR, Urquhart DM, Shortreed S, Bell RJ. Age-specific prevalence of, and factors associated with, different types of urinary incontinence in community-dwelling Australian women assessed with a validated questionnaire. *Maturitas.* 2009; 62(2):134–9. doi: 10.1016/j.maturitas.2008.12.017
- Brown S, Gartland D, Donath S, MacArthur C. Effects of prolonged second stage, method of birth, timing of caesarean section and other obstetric risk factors on post-natal urinary incontinence: An Australian nulliparous cohort study. *BJOG.* 2011;118(8): 991–1000. doi: 10.1111/j.1471-0528.2011.02928.x
- Burti JS, Santos AMB, Pereira RAR, Zambon JP, Marques AP. Prevalence and clinical characteristics of urinary incontinence in elderly individuals of a low income. *Arch Gerontol Geriatr.* 2012; 54(2): e42–6. doi:10.1016/j.archger.2011.04.004.
- Cadwallader AB, Torre X, Tieri A, et al. Abuse of diuretics as performance-enhancing drugs and masking agents in sport doping: pharmacology, toxicology and analysis. *Br J Pharmacol.* 2010;161(1):1–16. doi:10.1111/j.1476-5381.2010.00789.x
- Canaud B, Chazot C, Koomans J, Collins A. Manejo hídrico e hemodinâmico em pacientes em hemodiálise: desafios e oportunidades. *J Bras Nefrol.* 2019;41(4):550–9. doi: 10.1590/2175-8239-jbn-2019-0135.
- Cardozo L, Chapple CR, Dmochowski R, Fitzgerald MP, Hanno P, Michel MC et al. Urinary urgency – translating the evidence base into daily clinical practice. *Int J Clin Pract.* 2009; 63(12): 1675–82. doi.org/10.1111/j.1742-1241.2009.02205.x
- Chaing JC, Ouslander J, Schnelle J, Reuben DB. Dually incontinent nursing home residents: clinical characteristics and treatment differences. *J Am Geriatr Soc.* 2000; 48(6): 673–6. doi:10.1111/j.1532-5415.2000.tb04727.x
- Changwe GJ, Wenlong Z, Zhang H, et al. Heart in the ‘jaws’ of a constrictor, unusual cause of subacute right heart failure. *J Cardiothorac Surg.* 2019;14:110. doi:10.1186/s13019-019-0916-9.
- Chelazzi C, Villa G, Mancinelli P, et al. Glycocalyx and sepsis-induced alterations in vascular permeability. *Crit Care.* 2015;19(1):26. doi:10.1186/s13054-015-0741-z
- Chen SH. Differential diagnosis of urinary incontinence. *Tzu Chi Med J.* 2007; 19:53–59.

- Ciumanghel AI, Grigoras I, Siriopol D, et al. Bio-electrical impedance analysis for peri-operative fluid evaluation in open major abdominal surgery. *J Clin Monit Comput*. 2020;34:421–32. doi:10.1007/s10877-019-00334-8
- Clemens JQ, Bogart LM, Liu K, Pham C, Suttorp M, Berry S. Perceptions of “urgency” in with interstitial cystitis/bladder pain syndrome or overactive bladder. *Neurourol Urodynam*. 2011; 30(3):402–5. doi:10.1002/nau.20974
- Committee on Practice Bulletins - Gynecology and the American Urogynecologic Society. Urinary incontinence in women. *Female Pelvic Med Reconstr Surg*. 2015;21(6):304–14. doi: 10.1097/SPV.0000000000000231.
- D’Ancona C, Haylen B, Oelke M, Abranches-Monteiro L, Arnold E, Goldman H, et al. The International Continence Society (ICS) report on the terminology for adult male lower urinary tract and pelvic floor symptoms and dysfunction. *Neurourol Urodynam*. 2019;38(2):433–77. doi:10.1002/nau.23897.
- Danforth KN, Townsend MK, Curhan GC, Resnick NM, Goldstein F. Type 2 Diabetes Mellitus and risk of stress, urge and mixed urinary incontinence. *J Urol*. 2009;181(1):193–7. doi: 10.1016/j.juro.2008.09.007
- D’Angelo A, Amso NN, Hassan R. Coasting (withholding gonadotrophins) for preventing ovarian hyperstimulation syndrome. *Cochrane Database Syst Rev*. 2017;5(5): CD002811. doi:10.1002/14651858.CD002811.pub4
- de Boer TA, Salvatore S, Cardozo L, Chapple C, Kelleher C, van Kerrebroeck P, et al. Pelvic organ prolapse and overactive bladder. *Neurourol Urodynam*. 2010; 29(1): 30–9. doi:10.1002/nau.20858.
- de Denus S, Rouleau JL, Mann DL, et al. A pharmacogenetic investigation of intravenous furosemide in decompensated heart failure: a meta-analysis of three clinical trials. *Pharmacogenomics J*. 2017;17(2):192–200. doi:10.1038/tpj.2016.4
- de Groat WC, Griffiths D, Yoshimura N. Neural control of the lower urinary tract. *Compr Physiol*. 2015; 5(1): 327–96. doi:10.1002/cphy.c130056.
- Deegan EG, Stothers L, Kavanagh A, Macnab AJ. Quantification of pelvic floor muscle strength in female urinary incontinence: A systematic review and comparison of contemporary methodologies. *Neurourol Urodynam*. 2018; 37(1):33–45. doi:10.1002/nau.23285
- DeLancey JOI. Why do women have stress urinary incontinence? *Neurourol Urodynam*. 2010; 29:S13–S17. doi:10.1002/nau.20888
- Deng DY. Urinary incontinence in women. *Med Clin North Am*. 2010; 95(1): 101–9. doi: 10.1016/j.mcna.2010.08.022.
- Devreese A, Staes F, Weerd W, Feys H, van Assche A, Penninx F, et al. Clinical evaluation of pelvic floor muscle function in continent and incontinent women. *Neurourol Urodynam*. 2004; 23(3): 190–7. doi:10.1002/nau.20018
- Diaz DC, Robinson D, Bosch R, Constantini E, Cotterill N, Espuna-Pons M, et al. Initial assessment of urinary incontinence in adult female and female patients. Committee 5A. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence*. 6th Edition. Tokyo: 6th International Consultation on Incontinence; 2016. p.497–540.
- Digesu GA, Salvatore S, Fernando R, Khullar V. Mixed urinary symptoms: What are the urodynamic findings? *Neurourol Urodynam*. 2008; 27(5): 372–5. doi:10.1002/nau.20530
- Doughty BD, Burns P. Pathology and management of stress incontinence. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts*. Georgia, USA: Mosby Elsevier. 2006. p.77–107.

- Dowling-Castronovo A, Specht JK. Assessment of transient urinary incontinence in older adults. *Am J Nurs.* 2009; 109(2): 62–71. doi:10.1097/01.NAJ.0000345392.52704.6d.
- Drake MJ, Apostolidis A, Cocci A, Emmanuel A, Gajewski JB, Harrison SCW et al. Neurogenic lower urinary tract dysfunction: Clinical management recommendations of the Neurologic Incontinence Committee of the Fifth International Consultation on Incontinence 2013. *Neurourol Urodynam.* 2016; 35(6): 657–65. doi:10.1002/nau.23027
- Drake MJ. Do we need a new definition of the overactive bladder syndrome? ICI-RS 2013. *Neurourol Urodynam.* 2014; 33(5), 622–4. doi:10.1002/nau.22609
- DuBeau CE, Kuchel GA, Johnson II T, Palmer MH, Wagg A, Fourth International Consultation on Incontinence. Incontinence in the frail elderly: Report from the 4th International Consultation on Incontinence. *Neurourol Urodynam.* 2010; 29(1):165–78. doi:10.1002/nau.20842
- Ekinci C, Karabork M, Siriopol D, et al. Effects of volume overload and current techniques for the assessment of fluid status in patients with renal disease. *Blood Purif.* 2018;46(1):34–47. doi: 10.1159/000487702.
- Elkadry E. Functional urinary incontinence in women. *J Pelvic Med Surg.* 2006; 12(1): 1–13. doi: 10.1097/01.spv.0000199622.01729.ac
- Ermer-Seltum J. Assessment and management of acute or transient urinary incontinence. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts.* Georgia: Mosby Elsevier.2006. p.55–75
- Ficazzola MA, Nitti VW. The etiology of post-radical prostatectomy incontinence and correlation of symptoms with urodynamic findings. *J Urol.* 1998; 160(4): 1317–20.
- Filho JFL, Baccaro LFC, Fernandes T, Conde DM, Costa-Paiva L, Neto AMP. Epidemiologia da menopausa e dos sintomas climatéricos em mulheres de uma região metropolitana no sudeste do Brasil: inquérito populacional domiciliar. *Rev Bras Ginecol Obstet.* 2015; 37(4): 152–8. <http://dx.doi.org/10.1590/SO100-720320150005282>
- Fouche Y, Sikorski R, Dutton RP. Changing paradigms in surgical resuscitation. *Crit Care Med.* 2010;38(9 Suppl):S411–20. doi:10.1097/CCM.0b013e3181ec5bdf.
- Franco I. Functional bladder problems in children: Pathophysiology, diagnosis, and treatment. *Pediatr Clin N Am.* 2012; 59(4):783–817. doi:10.1016/j.pcl.2012.05.007
- Gajewski JB, Drake MJ. Neurological lower urinary tract dysfunction essencial terminology. *Neurourol Urodynam.* 2018; 37:S25–S31. doi:10.1002/nau.23758
- Gamble TL, Du H, Sand PK, Botros SM, Rurak M, Goldberg RP. Urge incontinence: Estimating environmental and obstetrical risk factors using an identical twin study. *Int Urogynecol J.* 2010; 21(8): 939–46. doi:10.1007/s00192-010-1140-2
- Glazener C, Herbison G, MacArthur C, Lancashire R, McGee M, Grant A, Wilson P. New postnatal urinary incontinence: Obstetric and other risk factors in primiparae. *BJOG.* 2006;113(2):208–17. doi:10.1111/j.1471-0528.2005.00840.x
- Gordon B, Shorter B, Isodi KK, Moldwin RM. Obesity with comorbid stress urinary incontinence in women: A narrative review to inform dietetics practice. *J Acad Nutr Diet.* 2017; 117(6): 889–907. doi: 10.1016/j.jand.2016.09.024.
- Grant CJ, Wade TP, McKenzie CA, et al. Effect of ultrafiltration during hemodialysis on hepatic and total-body water: an observational study. *BMC Nephrol.* 2018;19:356. doi:10.1186/s12882-018-1150-8

- Gray ML. Pathology and management of reflex incontinence/neurogenic bladder. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p.21–54.
- Greenberg A. Diuretic complications. *American Journal of the Medical Sciences*. 2000;319(1):10–24. doi:10.1016/s0002-9629(15)40676-7
- Greer JA, Xu R, Probert RJ, Arya LA. Urinary Incontinence and Disability in Community-Dwelling Women: A Cross-Sectional Study. *Neurourol Urodynam*. 2015; 34 (6): 539–43, 2015. doi: 10.1002/nau.22615
- Gupta P, Patel P, Štrauch B, et al. Risk Factors for Nonadherence to Antihypertensive Treatment. *Hypertension*. 2017;69(6):1113–20. doi:10.1161/HYPERTENSIONA-HA.116.08729
- Guralnick ML, Fritel X, Tarcan T, Espuna-Pons M, Rosier PFWM. ICS Educational Module: Cough stress test in the evaluation of female urinary incontinence: Introducing the ICS-Uniform Cough Stress Test. *Neurourol Urodynam*. 2018;37(5):1849–55. doi:10.1002/nau.23519.
- Gyawali B, Ramakrishna K, Dhamoon AS. Sepsis: the evolution in definition, pathophysiology, and management. *SAGE Open Med*. 2019;21;7:2050312119835043. doi:10.1177/2050312119835043.
- Haab F. Chapter 1: The conditions of neurogenic detrusor overactivity and overactive bladder. *Neurourol Urodynam*. 2014; 33(S3): S2–S5. doi:10.1002/nau.22636
- Hagosvska M, Svihra J, Buková A, Dracková D, Svihrová V. Prevalence and risk of sports types to stress urinary incontinence in sportswomen: A cross-sectional study. *Neurourol Urodynam*. 2018; 37: 1957–64. doi:10.1002/nau.23538
- Hale A, Hovey MJ. Fluid volume excess. In: ____ *Fluid, electrolyte, and acid-base imbalances: content review plus practice questions*. Philadelphia: Davis Company; 2013. p. 1–30.
- Haylen BT, Maher CF, Barber MD, Camargo S, Sandolu V, Digesu A, et al. An International Urogynecological Association (IUGA)/International Continence Society joint report on the terminology for female Pelvic Organ Prolapse (POP). *Neurourol Urodynam*. 2016; 35: 137–68. DOI 10.1002/nau.22922
- Haylen BT, Ridder D, Freeman RM, Swift SE, Berghmans B, Lee J, et al. International Urogynecological Association (IUGA)/International Continence Society(ICS) joint point report on the terminology for female pelvic floor dysfunction. *Neurourol Urodynam*. 2010; 29(1): 4–20. doi:10.1002/nau
- Higa R, Lopes MHB, Reis MJ. Fatores de risco para incontinência urinária na mulher. *Rev Esc Enferm USP*. 2008; 42(1): 187–92.
- Hoorn EJ. Intravenous fluids: balancing solutions. *J Nephrol*. 2017;30(4):485–92. doi: 10.1007/s40620-016-0363-9.
- Hoyland K, Vasdev N, Abrof A, Boustead G. Post-radical prostatectomy incontinence: etiology and prevention. *Rev Urol*. 2014; 16(4): 181–8.
- Hundesagen G, Kramer GC, Ribeiro Marques N, et al. Closed-loop and decision-assist-guided fluid therapy of human hemorrhage. *Crit Care Med*. 2017;45(10):e1068–74. doi:10.1097/CCM.0000000000002593
- Hunnskaar S. A systematic review of overweight and obesity as risk factors and targets for clinical intervention for urinary incontinence in women. *Neurourol Urodynam*. 2008; 27(8): 749–57. doi: 10.1002/nau.20635.
- Ikedo Y, Nakagawa H, Ohmori-Matsuda K, Hozawa A, Masamune Y, Nishino Y, et al. Risk factors for overactive bladder in the elderly population: A community-based

- study with face-to-face interview. *Int J Urology*. 2011; 18(3): 212–18. doi:10.1111/j.1442-2042.2010.02696.x.
- Irwin DE, Milsom I, Hunskaar S, Reilly K, Zopp Z, Herschorn S, et al. Population-based survey of urinary incontinence, overactive bladder, and other lower urinary tract symptoms in five countries: Results of the EPIC Study. *Eur Urol*. 2006; 50(6): 1306–15. doi:10.1016/j.eururo.2006.09.019
- Ismael S, Savalle M, Trivin C, et al. The consequences of sudden fluid shifts on body composition in critically ill patients. *Crit Care*. 2014;18(2):R49. doi:10.1186/cc13794
- Ismael S, Savalle M, Trivin C, et al. The consequences of sudden fluid shifts on body composition in critically ill patients. *Crit Care*. 2014;18(2):R49. doi:10.1186/cc13794
- Jacob M, Chappell D, Hollmann MW. Current aspects of perioperative fluid handling in vascular surgery. *Curr Opin Anaesthesiol*. 2009;22(1):100–8. doi:10.1097/ACO.0-b013e32831f1c65.
- Jha S, Walters SJ, Bortolami O, Dixon S, Alshreef A. Impact of pelvic floor muscle training on sexual function of women with urinary incontinence and a comparison of electrical stimulation versus standard treatment (IPSU trial): A randomised controlled trial. *Physiotherapy*. 2018; 104(1): 91–7. doi: 10.1016/j.physio.2017.06.003
- John B, Tan BK, Dainty S, et al. Plasma volume, albumin, and fluid status in peritoneal dialysis patients. *Clin J Am Soc Nephrol*. 2010;5(8):1463–70. doi:10.2215/CJN.09411209
- Keane DF, Baxter P, Lindley E, et al. Time to reconsider the role of relative blood volume monitoring for fluid management in hemodialysis. *ASAIO Journal*. 2018;64(6):812–8. doi: 10.1097/MAT.0000000000000795
- Khandelwal C, Kistler C. Diagnosis of urinary incontinence. *Am Fam Physician*. 2013; 87(8): 543- 50.
- Khullar V, Cardozo L, Dmochowski R. Mixed incontinence: Current evidence and future perspectives. *Neurourol Urodynam*. 2010;29(4):618–22. doi:10.1002/nau.20907.
- Khurram M, Qayyum W, Umar M, et al. Ultrasonographic pattern of plasma leak in dengue haemorrhagic fever. *J Pak Med Assoc*. 2016;66(3):260–4.
- Komesu YM, Schrader RM, Ketai LH, Rogers RG, Dunivan GC. Epidemiology of mixed, stress, and urgency urinary incontinence in middle-aged/older women: The importance of incontinence history. *Int Urogynecol J*. 2016; 27(5):763–72. doi:10.1007/s00192-015-2888-1
- Kong Y-G, K J-Y, Yu J. Efficacy and safety of stroke volume variation-guided fluid therapy for reducing blood loss and transfusion requirements during radical cystectomy: A randomized clinical trial: erratum. *Medicine (Baltimore)*. 2018;97(23):e11129. doi:10.1097/MD.00000000000011129.
- Kong YG, Kim JY, Yu J, et al. Efficacy and safety of stroke volume variation-guided fluid therapy for reducing blood loss and transfusion requirements during radical cystectomy: a randomized clinical trial. *Medicine (Baltimore)*. 2016;95(19):e3685. doi:10.1097/MD.0000000000003685
- Krisovich M. Pathology and management of the overactive bladder. In: Doughty BD. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p.109–65
- Kronish IM, Woodward M, Sergie Z, et al. Metaanalysis: impact of drug class on adherence to antihypertensives. *Circulation*. 2011;123:1611–21. doi:10.1161/CIRCULATIONAHA.110.983874

- Kuhlmann U, Maierhofer A, Canaud B, et al. Zero diffusive sodium balance in hemodialysis provided by an algorithm-based electrolyte balancing controller: A proof of principle clinical study. *Artif Organs*. 2019;43(2):150–8. doi:10.1111/aor.13328.
- Kuhn S, Natale N, Siemer S, Stoeckle M, von Gontard M. Clinical differences in day-time wetting subtypes: Urge incontinence and postponed voiding. *J Urol*. 2009;182(4): 1967–72. doi: 10.1016/j.juro.2009.03.023
- Kumar P, Sait SF, Sharma A, et al. Ovarian hyperstimulation syndrome. *J Hum Reprod Sci*. 2011;4(2):70–5. doi:10.4103/0974–1208.86080
- Lamou H, Grassmann JP, Betsch M, et al. Systemic capillary leak syndrome associated with a rare abdominal and four-limb compartment syndrome: a case report. *J Med Case Rep*. 2014;8:196. doi:10.1186/1752–1947–8-196
- Laterza RM, Sievert KD, de Ridder D, Vierhout ME, Haab F, Cardozo L, et al. Bladder function after radical hysterectomy for cervical cancer. *Neurourol Urodynam*. 2015; 34(4):309–15. doi: 10.1002/nau.22570
- Lee JY, Ryu HS, Yoon SS, et al. Extracellular-to-intracellular fluid volume ratio as a prognostic factor for survival in patients with metastatic cancer. *Integr Cancer Ther*. 2019;18:1534735419847285. doi:10.1177/1534735419847285
- Leroy LS, Lucio A, Lopes MHB. Risk factors for postpartum urinary incontinence. *Rev Esc Enferm USP*. 2016; 50(2): 200–7. doi:10.1590/S0080–623420160000200004.
- Levey AS, Coresh J. Chronic kidney disease. *Lancet*. 2012;379(9811):165–80. doi: 10.1016/S0140–6736(11)60178–5.
- Li D, Xu Y, Nie Q, Li Y, Mao G. Predictors of urinary incontinence between abdominal obesity and non-obese male adults. *Postgrad Med*. 2017; 129(7): 747–55. doi:10.1080/00325481.2017.1357419.
- Lorenzo I, Serra-Prat M, Yébenes JC. The role of water homeostasis in muscle function and frailty: A review. *Nutrients*. 2019;11(8):1857. doi:10.3390/nu11081857
- MacArthur C, Glazener CMA, Don Wilson P, Lancashire RJ, Herbison GP, Grant AM. Persistent urinary incontinence and delivery mode history: A six-year longitudinal study. *BJOG*. 2006;113:218–24. doi: 10.1111/j.1471–0528.2005.00818.x
- Mascolo M, Chu ES, Mehler. Abuse and clinical value of diuretics in eating disorders therapeutic applications. *Int J Eat Disord*. 2011;44(3):200–2. doi:10.1002/eat.20814.
- Matsuyama K, Koizumi N, Nishibe T, et al. Effects of short-term administration of tolvaptan after open heart surgery. *Int J Cardiol*. 2016;220:192–5. doi:10.1016/j.ij-card.2016.06.156.
- Menezes M, Pereira M, Hextall A. Predictors of female urinary incontinence at midlife and beyond. *Maturitas*. 2010; 65(2):167–71. doi:10.1016/j.maturitas.2009.10.004
- Milazzo V, Cosentino N, Marenzi G. Extracorporeal ultrafiltration for acute heart failure: patient selection and perspectives. *Vasc Health Risk Manag*. 2017;13:449–456. doi:10.2147/VHRM.S128608
- Miller WL, Mullan BP. Understanding the heterogeneity in volume overload and fluid distribution in decompensated heart failure is key to optimal volume management: role for blood volume quantitation. *JACC Heart Fail*. 2014;2(3):298–305. doi:10.1016/j.jchf.2014.02.007.
- Miller WL. Fluid volume overload and congestion in heart failure: time to reconsider pathophysiology and how volume is assessed. *Circ Heart Fail*. 2016;9(8):e002922. doi: 10.1161/CIRCHEARTFAILURE.115.002922.
- Milsom I, Altman D, Cartwright R, Lapitan MC, Nelson R, Sjostrom S, Tikkinen KAO. Epidemiology of urinary incontinence (IU) and other lower urinary tract symptoms (LUTS), pelvic organ prolapse (POP), and anal (AI) incontinence. Committee 1. In:

- Abrams P, Cardozo L, Wagg A, Wein A. Incontinence 6th edition. Tokyo: International Consultation on Incontinence. 2017.p.1–141
- Minassian VA, Bazi T, Stewart WF. Clinical epidemiological insights into urinary incontinence. *Int Urogynecol J*. 2017; 28(5): 687–96. doi:10.1007/s00192-017-3314-7
- Minassian VA, Stewart WF, Hirsch AG. Why do stress and urge incontinence co-occur much more often than expected? *Int Urogynecol J*. 2008; 19: 1429–40. doi:10.1007/s00192-008-0647-2
- Minassian VA, Stewart WF, Wood GC. Urinary incontinence in women variation in prevalence estimates and risk factors. *Obstet Gynecol*. 2008;111:324–31. doi:10.1097/01.AOG.0000267220.48987.17.
- Minassian VA, Yan XY, Pitcavage J, Stewart WF. Mixed incontinence masked as stress induced urgency urinary incontinence. *J Urol*. 2016; 196(4): 1190–5. doi:10.1016/j.juro.2016.04.084
- Molinuevo B, Batista-Miranda JE. Under the tip of the iceberg: Psychological factors in incontinence. *Neurourol Urodynam*. 2012;31:669–71. doi:10.1002/nau.21216
- Montgomery LD, Gerth WA, Montgomery RW, et al. Monitoring intracellular, interstitial, and intravascular volume changes during fluid management procedures. *Med Biol Eng Comput*. 2013;51(10):1167–75. doi:10.1007/s11517-013-1064-3
- Morin M, Bourbonnais D, Gravel D, Dumoulin C, Lemieux MC. Pelvic floor muscle function in continent and stress urinary incontinent women using dynamometric measurements. *Neurourol Urodynam*. 2014;23(7): 668–74. doi:10.1002/nau.20069
- Morris CL. Urge urinary incontinence and the brain factor. *Neurourol Urodynam*. 2013; 32(5): 441–8. doi:10.1002/nau.22357
- Myers DL. Female mixed urinary incontinence: A clinical review. *JAMA*. 2014;311(19):2007–14. doi: 10.1001/jama.2014.4299.
- Nagayama I, Masuda T, Nakagawa S, et al. Different effects on fluid distribution between tolvaptan and furosemide in a liver cirrhosis patient with chronic kidney disease. *Intern Med*. 2019;58(11):1587–91. doi:10.2169/internalmedicine.2174-18
- Nijman RJM. Classification and treatment of functional incontinence in children. *BJU Int*. 2000; 85(Suppl 3): 45–6.
- Nishikawa H, Yoh K, Enomoto H, et al. Extracellular water to total body water ratio in viral liver diseases: A study using bioimpedance analysis. *Nutrients*. 2018;10(8):1072. doi:10.3390/nu10081072
- Nishikawa H, Yoh K, Enomoto H, et al. Extracellular water to total body water ratio in viral liver diseases: A study using bioimpedance analysis. *Nutrients*. 2018;10(8):1072. doi:10.3390/nu10081072
- Norberg Å, Rooyackers O, Segersvärd R, et al. Leakage of albumin in major abdominal surgery. *Crit Care*. 2016;20(1):113. doi:10.1186/s13054-016-1283-8
- Nwosu AC, Mayland CR, Mason S, et al. The association of hydration status with physical signs, symptoms and survival in advanced cancer—the use of bioelectrical impedance vector analysis (BIVA) technology to evaluate fluid volume in palliative care: an observational study. *PLoS One*. 2016;11(9):e0163114. doi:10.1371/journal.pone.0163114
- O'Dell KK, Labin LC. Common problems of urination in nonpregnant women: Causes, current management, and prevention strategies. *J Midwifery Womens Health*. 2006;51(3): 159–73. doi:10.1016/j.jmwh.2006.01.003
- Ogna A, Fornio V, Mihailache A, et al. Obstructive sleep apnea severity and overnight body fluid shift before and after hemodialysis. *Clin J Am Soc Nephrol*. 2015;10(6):1002–10. doi:10.2215/CJN.08760914

- Ohashi Y, Joki N, Yamazaki K, et al. Changes in the fluid volume balance between intra- and extracellular water in a sample of Japanese adults aged 15–88 yr old: a cross-sectional study. *Am J Physiol Renal Physiol.* 2018;314(4):F614–22. doi:10.1152/ajprenal.00477.2017.
- Oliveira JEP, Vencio S (Org.). Diretrizes da Sociedade Brasileira de Diabetes 2015–2016 [Internet]. São Paulo: Sociedade Brasileira de Diabetes: A.C. Farmacêutica; 2016 [acesso em 2019 Ago 26]. Disponível em: <http://www.diabetes.org.br/profissionais/images/docs/DIRETRIZES-SBD-2015-2016.pdf>
- Orvieto R, Dratviman-Storobinsky O, Lantsberg D, et al. Interleukin-2 and SOCS-1 proteins involvement in the pathophysiology of severe ovarian hyperstimulation syndrome-a preliminary proof of concept. *J Ovarian Res.* 2014;7:106. doi:10.1186/s13048-014-0106-2
- Osman NI, Li Marzi V, Cornu JN, Drake MJ. Evaluation and classification of stress urinary incontinence: current concepts and future directions. *Eur Urol Focus.* 2016; 2(3): 238–44. doi: 10.1016/j.euf.2016.05.006.
- Ouslander JG. Management of overactive bladder. *N Engl J Med.* 2004; 350(8): 786–99. doi: 10.1056/NEJMra032662
- Patton KT, Thibodeau GA. Fluid and electrolyte balance. In: ____ *Anatomy & Physiology.* St Louis: Mosby, 2016. p. 999–1018.
- Petros P. The integral system. *Cent European J Urol.* 2011; 64(3): 110–9. <http://doi.org/10.5173/ceju.2011.03.art1>
- Pietribiasi M, Waniewski J, Wójcik-Załuska A, et al. Model of fluid and solute shifts during hemodialysis with active transport of sodium and potassium. *PLoS ONE.* 2018;13(12):e0209553. doi:10.1371/journal.pone.0209553
- Pietribiasi M, Waniewski J, Załuska A, et al. Modelling transcapillary transport of fluid and proteins in hemodialysis patients. *PLoS ONE.* 2016;11(8):e0159748. doi:10.1371/journal.pone.0159748
- Pinna C, Zanardo R, Puglisi L. Prostaglandin-release impairment in the bladder epithelium of streptozotocin-induced diabetic rats. *Eur J Pharmacol.* 2000; 388(3):267–73. doi:10.1016/s0014-2999(99)00833-x
- Porena M, Costantini E, Lazzeri M. Mixed incontinence: How best to manage it? *Curr Bladder Dysfunct Rep.* 2013; 8:7–12. doi:10.1007/s11884-012-0161-8
- Prakash A, Mathur R. Ovarian hyperstimulation syndrome. *The Obstetrician & Gynaecologist.* 2013;15:31–5. doi:10.1111/j.1744-4667.2012.00153.x
- Premaratna R, Ragupathy A, Miththinda JK, et al. Timing, predictors, and progress of third space fluid accumulation during preliminary phase fluid resuscitation in adult patients with dengue. *Int J Infect Dis.* 2013;17(7):e505–9. doi:10.1016/j.ijid.2012.12.021.
- Raina R, Krishnappa V, Das A, et al. Overview of monogenic or mendelian forms of hypertension. *Front Pediatr.* 2019;7:263. doi:10.3389/fped.2019.00263.
- Rantell A. Assessment and diagnosis of overactive bladder in women. *Nurs Stand.* 2013; 27(52): 35–40. doi:10.7748/ns2013.08.27.52.35.e7389
- Riegel B, Lee S, Hill J, et al. Patterns of adherence to diuretics, dietary sodium and fluid intake recommendations in adults with heart failure. *Heart Lung.* 2019;48(3):179–185. doi:10.1016/j.hrtlng.2018.12.008
- Robinson D, Giarenis I, Cardozo L. You are what you eat: The impact of diet on overactive bladder and lower urinary tract symptoms. *Maturitas.* 2014; 79(1): 8–13. doi: 10.1016/j.maturitas.2014.06.009

- Rocha J, Brandão P, Melo A, Torres S, Costa F. Assessment of urinary incontinence in pregnancy and postpartum: Observational study. *Acta Med Port.* 2017; 30(7–8): 568–572. doi:10.20344/amp.7371.
- Rogers RG, Leeman LL. Postpartum genitourinary changes. *Urol Clin N Am.* 2007; 34 (1): 13–21. doi: 10.1016/j.ucl.2006.10.005
- Rosenberg MT, Newman DK, Tallman CT, Page SA. Overactive bladder: Recognition requires vigilance for symptoms. *Cleve Clin J Med.* 2007; 74 (Suppl 3): S21–29.
- Sakakibara R. Dementia and lower urinary tract dysfunction. In: Corcos J, Ginsberg, Karsenty G. *Textbook of the neurogenic bladder.* New York: CRC Press. 2016. p.179–98.
- Salvatore S, Rademakers K, DeLancey J, Igawa Y, Koelbl H, Laterza RM, et al. Pathophysiology of urinary incontinence, faecal incontinence and pelvic organ prolapse. Committee 4. In: Abrams P, Cardozo L, Wagg A, Wein A. *Incontinence 6th edition.* Tokyo: International Consultation on Incontinence. 2017. p. 361–496.
- Serati M, Topazio L, Bogani G, Constantini E, Pietropaolo A, Palleschi G, et al. Urodynamics useless before surgery for female stress urinary incontinence: Are you sure? Results from a multi-center single nation database. *Neurourol Urodynam.* 2016;35 (7): 809–12. doi:10.1002/nau.22804.
- Sharma P, Newman K, Long CS, et al. Use of wavelet transform to detect compensated and decompensated stages in the congestive heart failure patient. *Biosensors (Basel).* 2017;7(3):40. doi:10.3390/bios7030040
- Shatat IF, Becton LJ, Woroniecki RP. Hypertension in childhood nephrotic syndrome. *Front Pediatr.* 2019;7:287. doi:10.3389/fped.2019.00287.
- Simon DA, Taylor TL, Bayley G, et al. Four-limb compartment syndrome associated with the systemic capillary leak syndrome. *J Bone Joint Surg Br.* 2010;92(12):1700–2. doi: 10.1302/0301–620X.92B12.25225.
- Siparsky PN, Kirkendall DT, Garrett WE Jr. Muscle changes in aging: understanding sarcopenia. *Sports Health.* 2014;6(1):36–40. doi:10.1177/1941738113502296
- Site UpToDate. Intraoperative fluid management. [acesso 16 jun 2020]. Disponível em: <https://www.uptodate.com/contents/intraoperative-fluid-management>
- Site UpToDate. Overview of postoperative fluid therapy in adults. [acesso 16 jun 2020]. Disponível em: <https://www.uptodate.com/contents/overview-of-postoperative-fluid-therapy-in-adults>
- Sobhgol SS, Charandabee SMA. Related factors of urge, stress, mixed urinary incontinence and overactive bladder in reproductive age women in Tabriz, Iran: A cross-sectional study. *Int Urogynecol J Pelvic Floor Dysfunct.* 2008;19 (3):367–73. doi:10.1007/s00192–007–0437–2
- Starkman JS, Dmochowski RR. Urgency assessment in the evaluation of overactive bladder (OAB). *Neurourol Urodynam.* 2008; 27 (1): 13–21. doi:10.1002/nau.20472
- Staskin D, Tubaro A, Norton PA, Ashton-Miller JA. Mechanisms of continence and surgical cure in female and male SUI: Surgical research initiatives. *Neurourol Urodyn.* 2011; 30(5):704–07. doi: 10.1002/nau.21139.
- Stohrer M, Goepel M, Kondo A, Kramer G, Madersbacher H, Millard R, et al. The standardization of terminology in neurogenic lower urinary tract dysfunction with suggestions for diagnostic procedures. *Neurourol Urodynam.* 1999;18 (2):139–58.
- Sultan AH, Monga A, Lee J, Emmanuel A, Norton C, Santoro G, et al. An International Urogynecological Association (IUGA)/International Continence Society (ICS) joint report on the terminology for female anorectal dysfunction. *Int Urogynecol J.* 2017; 28(1): 5–31. doi: 10.1007/s00192–016–3140–3

- Tahtinen RM, Cartwright R, Tsui JF, Aaltonen RL, Aoki Y, Cardenas JL, et al. Long-term impact of mode of delivery on stress urinary incontinence and urgency urinary incontinence: A systematic review and meta-analysis. *Eur Urol*. 2016; 70(1): 148–58. doi:10.1016/j.eururo.2016.01.037.
- Tai R, Ohashi Y, Mizuiri S, et al. Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study. *BMC Nephrol*. 2014;15:189. doi:10.1186/1471-2369-15-189
- Tanai E, Frantz S. Pathophysiology of heart failure. *Compr Physiol*. 2015;6(1):187–214. doi: 10.1002/cphy.c140055.
- The Oxford English Dictionary [Internet]. Oxford: Oxford University Press, c2018 [acesso em 2019 Ago 26]. Disponível em: <https://www.oed.com/>
- Thompson DL. Pathology and management of functional factors contributing to incontinence. In: Doughty B.D. *Urinary & fecal incontinence: Current management concepts*. Georgia: Mosby Elsevier. 2006. p. 167–85.
- Thrushelvam N, Cruz F, Kirby M, Tubaro A, Chapple CR, Sievert KD. A review of detrusor overactivity and the overactivity bladder after prostate cancer treatment. *BJU Int*. 2015; 116(6): 853–61. doi:10.1111/bju.13078
- Tigabu BM, Davari M, Kebriaeezadeh A, et al. Fluid volume, fluid balance and patient outcome in severe sepsis and septic shock: a systematic review. *J Crit Care*. 2018;48:153–9. doi: 10.1016/j.jcrc.2018.08.018.
- Tigabu BM, Davari M, Kebriaeezadeh A, et al. Response to letter to the editor: Fluid volume, fluid balance and patient outcome in severe sepsis and septic shock: A systematic review. *J Crit Care*. 2019;50:314–5. doi:10.1016/j.jcrc.2018.11.011.
- Tong YC, Cheng JY, Wan WC. Effects of Ba-Wei-Die-Huang-Wan on the cholinergic function and protein expression of M2 muscarinic receptor of the urinary bladder in diabetic rats. *Neurosci Lett*. 2002;330(1):21–4. doi:10.1016/s0304-3940(02)00713-9
- Törnudd M, Hahn RG, Zdolsek JH. Fluid distribution kinetics during cardiopulmonary bypass. *Clinics*. 2014;69(8):535–41. doi:10.6061/clinics/2014(08)06
- Townsend MK, Danforth KN, Lifford KL, Rosner B, Curhan GC, Resnick NM, et al. Incidence and remission of urinary incontinence in middle-aged women. *Am J Obstet Gynecol*. 2007; 197(2): 167.e1–167.e5. doi:10.1016/j.ajog.2007.03.041
- Troko J, Bach F, Tooze-Hobson P. Predicting urinary incontinence in women in later life: A systematic review. *Maturitas*. 2016; 94:110–6. doi:10.1016/j.maturitas.2016.09.006
- Tumlin JA, Roy-Chaudhury P, Koplan BA, et al. Relationship between dialytic parameters and reviewer confirmed arrhythmias in hemodialysis patients in the monitoring in dialysis study. *BMC Nephrol*. 2019;20(1):80. doi:10.1186/s12882-019-1212-6.
- Van Buren PN, Zhou Y, Neyra JA, et al. Extracellular volume overload and increased vasoconstriction in patients with recurrent intradialytic hypertension. *Kidney Blood Press Res*. 2016;41(6):802–14. doi:10.1159/000450565
- von Gontard A, de Jong TPVM, Rantell A, Nieuwhof-Leppink A, Badawi JK, Cardozo L. Do we manage incontinence in children and adults with special needs adequately? ICI-RS 2014. *Neurourol Urodynam*. 2016; 35(2): 304–6. doi.org/10.1002/nau.22823
- von Gontard A, Niemczyk J, Wagner J, Equit M. Voiding postponement in children—A systematic review. *Eur Child Adolesc Psychiatry*. 2016; 25:809–20.
- von Gontard A, Niemczyk J, Weber M, Equit M. Specific behavioral comorbidity in a large sample of children with functional incontinence: Report of 1,001 cases. *Neurourol Urodynam*. 2015; 34(8): 763–8. doi.org/10.1002/nau.22651

- von Gontard A. Does psychological stress affect LUT function in children?: ICI-RS 2011. *Neurourol Urodynam.* 2012; 31(3): 344–8. doi:10.1002/nau.22216
- Wesnes SL, Hannestad Y, Rortveit G. Delivery parameters, neonatal parameters and incidence of urinary incontinence six months postpartum: A cohort study. *Acta Obstet Gynecol Scand.* 2017; 96(10): 1214–22. doi:10.1111/aogs.13183.
- Wesnes SL. Weight and urinary incontinence: The missing links. *Int Urogynecol J.* 2014; 25(6): 725–9. doi:10.1007/s00192-013-2268-7.
- Woodtli A. Mixed incontinence: A new nursing diagnosis? *Nurs Diagn.* 1995; 6(4): 135–42.
- Wyman JF, Burgio KL, Newman DK. Practical aspects of lifestyle modifications and behavioural interventions in the treatment of overactive bladder and urgency urinary incontinence. *Int J Clin Pract.* 2009; 63(8): 1177–91. <http://doi.org/10.1111/j.1742-1241.2009.02078.x>
- Wyndaele JJ, De Wachter S. The sensory bladder (1): An update on the different sensations described in the lower urinary tract and the physiological mechanisms behind them. *Neurourol Urodynam.* 2008; 27(4): 274–8. doi:10.1002/nau.20510
- Yamaguchi C, Sakakibara R, Uchiyama T, Yamamoto T, Ito T, Liu Z, et al. Overactive bladder in diabetes: A peripheral or central mechanism? *Neurourol Urodynam.* 2007; 26(6): 807–13. doi:10.1002/nau.20404
- Yang J, Cheng JW, Wagner H, Lohman E, Yang SH, Krishningner GA, et al. The effect of high impact crossfit exercises on the stress urinary incontinence in physically active women. *Neurourol Urodynam.* 2019; 38: 749–56. doi:10.1002/nau.23912
- Yuan Z, Tang Z, He C, Tang W. Diabetic cystopathy: A review. *J Diabetes.* 2015;7(4): 442–7. doi: 10.1111/1753-0407.12272

Urinary retention (00023)

- Costa, J. N. D., Botelho, M. L., Duran, E. C. M., Carmona, E. V., Oliveira-Kumakura, A. R. D. S., & Lopes, M. H. B. D. M. (2019). Conceptual and operational definitions for the nursing diagnosis “Urinary Retention”. *International Journal of Nursing Knowledge*, 30(1), 49–54.

Risk for urinary retention (00322)

- Costa, J. N. D., Botelho, M. L., Duran, E. C. M., Carmona, E. V., Oliveira-Kumakura, A. R. D. S., & Lopes, M. H. B. D. M. (2019). Conceptual and operational definitions for the nursing diagnosis “Urinary Retention”. *International Journal of Nursing Knowledge*, 30(1), 49–54.

3.2 Class 2. Gastrointestinal function

Constipation (00011)

- Andresen V, Layer P. Medical Therapy of Constipation: Current Standards and Beyond. *Visc Med.* 2018 Apr;34(2):123–127.
- Bitencourt, G.R. et al. Comparação de diagnósticos de enfermagem em adultos e idosos hospitalizados no pós-operatório, *Rev. Eletr. Enf. [Internet]*, v.13, n. 4, p. 604–611, out/dez. 2011.
- Blekken L.E., Nakrem S., Guttormsen Vinsnes A., Norton C., Mørkved S., Øyvind S. & Hanne Gjeilo K. (2016). Research Article. Constipation and laxative use among nursing home patients: Prevalence and associations derived from the residents assess-

- ment instrument for long-term care facilities (interRAI LTCF). *Gastroenterology Research and Practice*.
- Clark K., Lam L., Currow D. & Agar M. (2014). A prospective study to investigate contributing factors that lead to constipation in palliative care patients. *Journal of Pain & Symptom Management*; 47(6).
- Clark, K.; Currow, D.C. Constipation in Palliative Care: What Do We Use as Definitions and Outcome Measures?, *Journal of Pain and Symptom Management*, v. 45, n. 4, p. 753–562, april. 2013.
- Erichsén E., Milberg A., Jaarsma T. & Friedrichsen M.J. (2015). Constipation in specialized palliative care: Prevalence, definition, and patient-perceived symptom distress. *Journal of Palliative Medicine*; 13(7), 585–592.
- Jomar, R.T.; Bispo, V.R.S. The most common nursing diagnosis among adults/seniors hospitalized with cancer: integrative review. Instituto Nacional de Câncer José Alencar Gomes da Silva, Rio de Janeiro, Brazil, v.8, p.462, 2014.
- Klaus, Joice Herrmann, Nardin, Vicente De, Paludo, Juliana, Scherer, Fernanda, & Bosco, Simone Morelo Dal. (2015). The prevalence of and factors associated with constipation in elderly residents of long stay institutions. *Revista Brasileira de Geriatria e Gerontologia*, 18(4), 835–843.
- Klein J. & Holowaty S. (2014). Managing constipation. Implementing a protocol in a geriatric rehabilitation setting. *Journal of Gerontological Nursing*; 40(8), 18–27.
- Kutmec Yilmaz C. & Duru Asiret G. (2017). Identifying the constipation levels of older people and their interventions for recovery. *International Journal of Caring Sciences*; 10, 1605–1614.
- Lâmås K., Karlsson S., Nolén, A., Lävheim H. & Sandman P. (2017). Prevalence of constipation among persons living in institutional geriatric-care settings – a cross-sectional study. *Scand J Caring Sci*; 31, 157–016163.
- Nicolussi AC, Sawada NO. Qualidade de vida de pacientes com câncer de mama em terapia adjuvante. *Rev Gaúcha Enferm.*, Porto Alegre (RS), v.32, n.4, p.759–766, dez. 2011.
- Noiesen E., Trosborg I., Bager L., Herning M. Lyngby C. & Konradsen H. (2013). Constipation – prevalence and incidence among medical patients acutely admitted to hospital with a medical condition *Journal of Clinical Nursing*; 23, 2295–2302.
- Ostaszkievicz J., Hornby L., Millar L. & Ockerby C. (2010). The effects of conservative treatment for constipation on symptom severity and quality of life in community-dwelling adults. *J WOCN*; 37(2), 193–198.
- Ozan, Zeynep Tugba, Tanik, Nermin, & Inan, Levent Ertugrul. (2019). Constipation is associated with tension type headache in women. *Arquivos de Neuro-Psiquiatria*, 77 (3), 161–165. doi:<https://dx.doi.org/10.1590/0004-282x20190015>
- Rey, E. et al. A Nation-Wide Study of Prevalence and Risk Factors for Fecal Impaction in Nursing Homes, *PLOS ONE*, v.9, n.8, August 2014.
- Saldanha, E.A. et al. A teoria de Callista Roy, a NANDA-I e o cuidado ao paciente prostatectomizado, *Rev. enferm. UERJ*, Rio de Janeiro, v. 20, n.2, p.764–70, 2012.
- Tang J., Huang Z., Tan Y., Zhang N., Tan A., Chen J. & Chen, J. (2015). Research Article. Efficacy of adaptive biofeedback training in treating constipation-related symptoms. *Evidence-Based Complementary and Alternative Medicine*.
- Tiradentes, L.R.; Fernandes, A.Q. Diagnósticos de enfermagem identificados em mulheres em situação de rua, *Online Brazilian Journal of Nursing*, v. 7, n. 1, 2008.
- Tosin, M.H.S. et al. Mapeamento dos termos da linguagem de enfermagem na doença de Parkinson, *Rev Esc Enferm USP*. v.49, n.3, p.411–418, Mar. 2015.

- Vargas, S. R.; França, F.C.V. Processo de Enfermagem aplicado a um portador de Cirrose Hepática utilizando as terminologias padronizadas NANDA, NIC e NOC, Rev Bras Enferm, Brasília, v. 60, n.3, p. 348–352, maio-jun, 2007.
- Vitor, A.F.; et al. Diagnósticos de enfermagem do domínio eliminação e troca identificados em pacientes em pós-operatório, J. res.: fundam. care. Online.v.7, n.2, p. 2453–2463, abr./jun.2015.
- Volpato, M.P.; Cruz, D.A.L.M. Diagnóstico de enfermagem de pacientes internados em unidade médico-cirúrgica, Acta Paul Enferm, v.20, n.2, p. 119–124, 2007.
- Wooley, M. et al. Putting Evidence Into Practice: Evidence-Based Interventions for the Prevention and Management of Constipation in Patients With Cancer, Clinical Journal of Oncology Nursing, v.12, n.2, p.317–337, april.2008.

Risk for constipation (00015)

- Andresen V, Layer P. Medical Therapy of Constipation: Current Standards and Beyond. Visc Med. 2018 Apr;34(2):123–127.
- Bitencourt, G.R. et al. Comparação de diagnósticos de enfermagem em adultos e idosos hospitalizados no pós-operatório, Rev. Eletr. Enf. [Internet], v.13, n. 4, p. 604–611, out/dez. 2011.
- Blekken L.E., Nakrem S., Guttormsen Vinsnes A., Norton C., Mørkved S., Øyvind S. & Hanne Gjeilo K. (2016). Research Article. Constipation and laxative use among nursing home patients: Prevalence and associations derived from the residents assessment instrument for long-term care facilities (interRAI LTCF). Gastroenterology Research and Practice.
- Clark K., Lam L., Currow D. & Agar M. (2014). A prospective study to investigate contributing factors that lead to constipation in palliative care patients. Journal of Pain & Symptom Management; 47(6).
- Clark, K.; Currow, D.C. Constipation in Palliative Care: What Do We Use as Definitions and Outcome Measures?, Journal of Pain and Symptom Management, v. 45, n. 4, p. 753–562, april. 2013.
- Erichsén E., Milberg A., Jaarsma T. & Friedrichsen M.J. (2015). Constipation in specialized palliative care: Prevalence, definition, and patient-perceived symptom distress. Journal of Palliative Medicine; 13(7), 585–592.
- Jomar, R.T.; Bispo, V.R.S. The most common nursing diagnosis among adults/seniors hospitalized with cancer: integrative review. Instituto Nacional de Câncer José Alencar Gomes da Silva, Rio de Janeiro, Brazil, v.8, p.462, 2014.
- Klaus, Joice Herrmann, Nardin, Vicente De, Paludo, Juliana, Scherer, Fernanda, & Bosco, Simone Morelo Dal. (2015). The prevalence of and factors associated with constipation in elderly residents of long stay institutions. Revista Brasileira de Geriatria e Gerontologia, 18(4), 835–843.
- Klein J. & Holowaty S. (2014). Managing constipation. Implementing a protocol in a geriatric rehabilitation setting. Journal of Gerontological Nursing; 40(8), 18–27.
- Kutmec Yilmaz C. & Duru Asiret G. (2017). Identifying the constipation levels of older people and their interventions for recovery. International Journal of Caring Sciences; 10, 1605–1614.
- Lâmås K., Karlsson S., Nolen, A., Lävheim H. & Sandman P. (2017). Prevalence of constipation among persons living in institutional geriatric-care settings – a cross-sectional study. Scand J Caring Sci; 31, 157–016163.

- Nicolussi AC, Sawada NO. Qualidade de vida de pacientes com câncer de mama em terapia adjuvante. *Rev Gaúcha Enferm.*, Porto Alegre (RS), v.32, n.4, p.759–766, dez. 2011.
- Noiesen E., Trosborg I., Bager L., Herning M. Lyngby C. & Konradsen H. (2013). Constipation – prevalence and incidence among medical patients acutely admitted to hospital with a medical condition *Journal of Clinical Nursing*; 23, 2295–2302.
- Ostaszkievicz J., Hornby L., Millar L. & Ockerby C. (2010). The effects of conservative treatment for constipation on symptom severity and quality of life in community-dwelling adults. *J WOCN*; 37(2), 193–198.
- Ozan, Zeynep Tugba, Tanik, Nermin, & Inan, Levent Ertugrul. (2019). Constipation is associated with tension type headache in women. *Arquivos de Neuro-Psiquiatria*, 77 (3), 161–165. doi:<https://dx.doi.org/10.1590/0004-282x20190015>
- Rey, E. et al. A Nation-Wide Study of Prevalence and Risk Factors for Fecal Impaction in Nursing Homes, *PLOS ONE*, v.9, n.8, August 2014.
- Saldanha, E.A.et al. A teoria de Callista Roy, a NANDA-I e o cuidado ao paciente prostatectomizado, *Rev. enferm. UERJ*, Rio de Janeiro, v. 20, n.2, p.764–70, 2012.
- Tang J., Huang Z., Tan Y., Zhang N., Tan A., Chen J. & Chen, J. (2015). Research Article. Efficacy of adaptive biofeedback training in treating constipation-related symptoms. *Evidence-Based Complementary and Alternative Medicine*.
- Tiradentes, L.R.; Fernandes, A.Q.Diagnósticos de enfermagem identificados em mulheres em situação de rua, *Online Brazilian Journal of Nursing*, v. 7, n. 1, 2008.
- Tosin, M.H.S. et al. Mapeamento dos termos da linguagem de enfermagem na doença de Parkinson, *Rev Esc Enferm USP*. v.49, n.3, p.411–418,Mar. 2015.
- Vargas, S. R.; França, F.C.V. Processo de Enfermagem aplicado a um portador de Cirrose Hepática utilizando as terminologias padronizadas NANDA, NIC e NOC, *Rev Bras Enferm*, Brasília, v. 60, n.3, p. 348–352, maio-jun, 2007.
- Vitor, A.F.; et al.Diagnósticos de enfermagem do domínio eliminação e troca identificados em pacientes em pós-operatório, *J. res.: fundam. care. Online*.v.7, n.2, p. 2453–2463, abr./jun.2015.
- Volpato, M.P.; Cruz, D.A.L.M. Diagnóstico de enfermagem de pacientes internados em unidade médico-cirúrgica, *Acta Paul Enferm*, v.20, n.2, p. 119–124, 2007.
- Wooley, M.et al. Putting Evidence Into Practice: Evidence-Based Interventions for the Prevention and Management of Constipation in Patients With Cancer, *Clinical Journal of Oncology Nursing*, v.12, n.2, p.317–337, abril.2008.

Perceived constipation (00012)

- Daisy A. Arce, M.D., Carlos A. Ermocilla, M.D., and Hildegardo Costa, M.D. Evaluation of Constipation. *Am Fam Physician*. 2002 Jun 1;65(11):2283–2291.
- Muller-Lissner, S. A., Kamm, M. A., Scarpignato, C., & Wald, A. (2005). Myths and Misconceptions About Chronic Constipation. *The American Journal of Gastroenterology*, 100(1), 232–242. doi:10.1111/j.1572-0241.2005.40885.x
- Wald, A. (2006). Constipation in the Primary Care Setting: Current Concepts and Misconceptions. *The American Journal of Medicine*, 119(9), 736–739. doi:10.1016/j.amjmed.2006.03.025

Chronic functional constipation (00235)

- Belini M., Usai-Satta P., Bove A., Bocchini R., Galeazzi F., Battaglia E., Alduini P., Buscarini E., Bassotti G. & ChroCoDiTE Study Group AIGO (2017). Research Article.

- Chronic constipation diagnosis and treatment evaluation: the “CHRO.CO.DI.T.E.” study. *BMC Gastroenterology*; 17(11).
- Brandt LJ, Prather CM, Quigley EM, Schiller LR, Schoenfeld P, Talley NJ. Systematic review on the management of chronic constipation in North America. *Am J Gastroenterol*. 2005; 100 Suppl 1:S5–S21
- Dimidi E., Christodoulides, S., Fragkos K.C., Scott S.M. & Whelan K. (2014). The effect of probiotics on functional constipation in adults: a systematic review and meta-analysis of randomized control trials *Am J Clin Nutr*; 100, 1075–1084.
- Eoff JC. Optimal treatment of chronic constipation in managed care: review and roundtable discussion. *J Manag Care Pharm*. 2008; 14(9) Suppl A:1–15
- Gallagher P.F., O’Mahony D. & Quigley M.M. (2008). Review Article. Management of chronic constipation in the elderly. *Drugs & Aging*; 25(10), 807–821.
- Gallegos-Orozco JF, Foxx-Orenstein AE, Sterler SM, Stoa JM. Chronic constipation in the elderly. *Am J Gastroenterol*. 2012; 107(1):18–25, quiz 26
- Gray JR. What is chronic constipation? Definition and diagnosis. *Can J Gastroenterol*. 2011; 25 Suppl B:7B–10B
- Gu MM, Gonzalez CE, Todd KH. Emergent management of constipation in cancer patients. *Emerg Med*. 2011; 43(11):6–12
- Harris L.A., Horn J., Kissous-Hunt M., Magnus, L. & Quigley E.M.M. (2017). The better understanding and recognition of the disconnects, experiences, and needs of patients with chronic idiopathic constipation (BURDEN-CIC) study: Results of an on-line questionnaire. *Adv Ther*; 34, 2661–2673.
- Jamshed N, Lee ZE, Olden KW. Diagnostic approach to chronic constipation in adults. *Am Fam Physician*. 2011; 84(3):299–306
- Leung L, Riutta T, Kotecha J, Rosser W. Chronic constipation: an evidence-based review. *J Am Board Fam Med*. 2011; 24(4):436–451
- Lewis SJ, Heaton KW. Stool form scale as a useful guide to intestinal transit time. *Scand J Gastroenterol*. 1997; 32(9):920–924
- Longstreth GF, Thompson WG, Chey WD, Houghton LA, Mearin F, Spiller RC. Functional bowel disorders. *Gastroenterology*. 2006; 130(5):1480–1491
- Mertz H, Naliboff B, Mayer E. Physiology of refractory chronic constipation. *Am J Gastroenterol*. 1999; 94(3):609–615
- Müller-Lissner S. The pathophysiology, diagnosis, and treatment of constipation. *Dtsch Arztebl Int*. 2009; 106(25):424–431, quiz 431–432
- Noguera A, Centeno C, Librada S, Nabal M. Screening for constipation in palliative care patients. *J Palliat Med*. 2009; 12(10):915–920
- Norton C., Emmanuel A., Stevens N., Scott S.M., Grossi U., Bannister S., Eldridge S., Mason J.M. & Knowles C.H. (2017). Study Protocol. Habit training versus habit training with direct visual biofeedback in adults with chronic constipation: study protocol for a randomised control trial. *Trials* 18(139).
- Rao SS, Meduri K. What is necessary to diagnose constipation?. *Best Pract Res Clin Gastroenterol*. 2011; 25(1):127–140
- Tabbers MM, Boluyt N, Berger MY, Benninga MA. Clinical practice : diagnosis and treatment of functional constipation. *Eur J Pediatr*. 2011; 170(8):955–963
- Tack J, Müller-Lissner S, Stanghellini V, et al. Diagnosis and treatment of chronic constipation—a European perspective. *Neurogastroenterol Motil*. 2011; 23(8):697–710.
- Vazquez Roque M. & Bouras E.P. (2015). Review. Epidemiology and management of chronic constipation in elderly patients. *Clinical Interventions in Aging*; 10, 919–930.

Risk for chronic functional constipation (00236)

- Belini M., Usai-Satta P., Bove A., Bocchini R., Galeazzi F., Battaglia E., Alduini P., Buscarini E., Bassotti G. & ChroCoDiTE Study Group AIGO (2017). Research Article. Chronic constipation diagnosis and treatment evaluation: the “CHRO.CO.DI.T.E.” study. *BMC Gastroenterology*; 17(11).
- Brandt LJ, Prather CM, Quigley EM, Schiller LR, Schoenfeld P, Talley NJ. Systematic review on the management of chronic constipation in North America. *Am J Gastroenterol*. 2005; 100 Suppl 1:S5–S21
- Dimidi E., Christodoulides S., Fragkos K.C., Scott S.M. & Whelan K. (2014). The effect of probiotics on functional constipation in adults: a systematic review and meta-analysis of randomized control trials *Am J Clin Nutr*; 100, 1075–1084.
- Eoff JC. Optimal treatment of chronic constipation in managed care: review and roundtable discussion. *J Manag Care Pharm*. 2008; 14(9) Suppl A:1–15
- Gallagher P.F., O'Mahony D. & Quigley M.M. (2008). Review Article. Management of chronic constipation in the elderly. *Drugs & Aging*; 25(10), 807–821.
- Gallegos-Orozco JF, Foxx-Orenstein AE, Sterler SM, Stoa JM. Chronic constipation in the elderly. *Am J Gastroenterol*. 2012; 107(1):18–25, quiz 26
- Gray JR. What is chronic constipation? Definition and diagnosis. *Can J Gastroenterol*. 2011; 25 Suppl B:7B–10B
- Gu MM, Gonzalez CE, Todd KH. Emergent management of constipation in cancer patients. *Emerg Med*. 2011; 43(11):6–12
- Harris L.A., Horn J., Kissous-Hunt M., Magnus, L. & Quigley E.M.M. (2017). The better understanding and recognition of the disconnects, experiences, and needs of patients with chronic idiopathic constipation (BURDEN-CIC) study: Results of an on-line questionnaire. *Adv Ther*; 34, 2661–2673.
- Jamshed N, Lee ZE, Olden KW. Diagnostic approach to chronic constipation in adults. *Am Fam Physician*. 2011; 84(3):299–306
- Leung L, Riutta T, Kotecha J, Rosser W. Chronic constipation: an evidence-based review. *J Am Board Fam Med*. 2011; 24(4):436–451
- Lewis SJ, Heaton KW. Stool form scale as a useful guide to intestinal transit time. *Scand J Gastroenterol*. 1997; 32(9):920–924
- Longstreth GF, Thompson WG, Chey WD, Houghton LA, Mearin F, Spiller RC. Functional bowel disorders. *Gastroenterology*. 2006; 130(5):1480–1491
- Mertz H, Naliboff B, Mayer E. Physiology of refractory chronic constipation. *Am J Gastroenterol*. 1999; 94(3):609–615
- Müller-Lissner S. The pathophysiology, diagnosis, and treatment of constipation. *Dtsch Arztebl Int*. 2009; 106(25):424–431, quiz 431–432
- Noguera A, Centeno C, Librada S, Nabal M. Screening for constipation in palliative care patients. *J Palliat Med*. 2009; 12(10):915–920
- Norton C., Emmanuel A., Stevens N., Scott S.M., Grossi U., Bannister S., Eldridge S., Mason J.M. & Knowles C.H. (2017). Study Protocol. Habit training versus habit training with direct visual biofeedback in adults with chronic constipation: study protocol for a randomised control trial. *Trials* 18(139).
- Rao SS, Meduri K. What is necessary to diagnose constipation?. *Best Pract Res Clin Gastroenterol*. 2011; 25(1):127–140
- Tabbers MM, Boluyt N, Berger MY, Benninga MA. Clinical practice : diagnosis and treatment of functional constipation. *Eur J Pediatr*. 2011; 170(8):955–963
- Tack J, Müller-Lissner S, Stanghellini V, et al. Diagnosis and treatment of chronic constipation—a European perspective. *Neurogastroenterol Motil*. 2011; 23(8):697–710.

Vazquez Roque M. & Bouras E.P. (2015). Review. Epidemiology and management of chronic constipation in elderly patients. *Clinical Interventions in Aging*; 10, 919–930.

Impaired bowel continence (00319)

Bartlett L., Sloots K. & Nowak M. (2011). Biofeedback for fecal incontinence. A randomized study comparing exercise regimens. *Diseases of the Colon and Rectum*; 54(7), 846–855.

Bliss D. & Norton, C. (2010). Conservative management of fecal incontinence. *AJN*; 110(9), 30–38.

Dombrowsky, T. A. (2012). Continence and incontinence: a concept analysis. *Journal of Theory Construction & Testing*, 16(2), 31.

Goodman C., Rycroft Malone J., Norton C., Harari D., Harwood R., Roe B., Russell B., Fader M., Buswell M., Drennan V. & Bunn F. (2015). Reducing and managing faecal incontinence in people with advanced dementia who are resident in car homes: protocol for a realist synthesis. *BMJ Open*; 1–8.

Jerez-Roig J., Souza, D., Amaral, F. & Lima K. (2015). Prevalence of fecal incontinence (FI) and associated factors in institutionalized older adults. *Archives of Gerontology and Geriatrics*; 60, 425–430.

Lacy B.E., Mearin F., Chang L., Chey, W.D. & Lembo A.J. (2016). Bowel disorders. *Gastroenterology*; 150, 1303–1407.

Norton C., Whitehead W.E., Bliss D.Z., Harari D. & Lang J. (2010). Review Articles. Management of fecal incontinence in adults. *Neurourology and Urodynamics*; 29, 199–206.

Russell B., Buswell M., Norton C., Rycroft Malone J., Harari D., Harwood R., Roe B., Fader M., Drennan V., Bunn F. & Goodman C. (2017). Supporting people living with dementia and faecal incontinence. *British Journal of Community Nursing*; 22 (3), 1–12.

Saga S., Guttormsen Vinsnes A., Mørkved S., Norton C. & Seim A. (2015). What characteristics predispose to continence in nursing home residents?: A population-based cross-sectional study. *Neurourology and Urodynamics*; 34, 362–367.

Saga S., Guttormsen Vinsnes A., Mørkved S., Norton C. & Seim A. (2013). Prevalence and correlates of fecal incontinence among nursing home residents: a population-based cross-sectional study. *BMC Geriatrics*; 13(87).

Scott K. (2014). Pelvic floor rehabilitation in the treatment of fecal incontinence. *Clinics in Colon and Rectal Surgery*; 27, 99–105.

Diarrhea (00013)

Bartlett L., Sloots K. & Nowak M. (2011). Biofeedback for fecal incontinence. A randomized study comparing exercise regimens. *Diseases of the Colon and Rectum*; 54(7), 846–855.

Bliss D. & Norton, C. (2010). Conservative management of fecal incontinence. *AJN*; 110(9), 30–38.

Goodman C., Rycroft Malone J., Norton C., Harari D., Harwood R., Roe B., Russell B., Fader M., Buswell M., Drennan V. & Bunn F. (2015). Reducing and managing faecal incontinence in people with advanced dementia who are resident in car homes: protocol for a realist synthesis. *BMJ Open*; 1–8.

- Jerez-Roig J., Souza, D., Amaral, F. & Lima K. (2015). Prevalence of fecal incontinence (FI) and associated factors in institutionalized older adults. *Archives of Gerontology and Geriatrics*; 60, 425–430.
- Lacy B.E., Mearin F., Chang L., Chey, W.D. & Lembo A.J. (2016). Bowel disorders. *Gastroenterology*; 150, 1303–1407.
- Norton C., Whitehead W.E., Blizz D.Z., Harari D. & Lang J. (2010). Review Articles. Management of fecal incontinence in adults. *Neurourology and Urodynamics*; 29, 199–206.
- Russell B., Buswell M., Norton C., Rycroft Malone J., Harari D., Harwood R., Roe B., Fader M., Drennan V., Bunn F. & Goodman C. (2017). Supporting people living with dementia and faecal incontinence. *British Journal of Community Nursing*; 22 (3), 1–12.
- Saga S., Guttormsen Vinsnes A., Mørkved S., Norton C. & Seim A. (2015). What characteristics predispose to continence in nursing home residents?: A population-based cross-sectional study. *Neurourology and Urodynamics*; 34, 362–367.
- Saga S., Guttormsen Vinsnes A., Mørkved S., Norton C. & Seim A. (2013). Prevalence and correlates of fecal incontinence among nursing home residents: a population-based cross-sectional study. *BMC Geriatrics*; 13(87).
- Scott K. (2014). Pelvic floor rehabilitation in the treatment of fecal incontinence. *Clinics in Colon and Rectal Surgery*; 27, 99–105.
- WHO. (2017). Diarrhoeal disease. <https://www.who.int/news-room/fact-sheets/detail/diarrhoeal-disease>

Dysfunctional gastrointestinal motility (00196)

- Chial, H.J. & Camilleri, M. (2003). Motility disorders of the stomach and small intestine. In S.L. Friedman, K.R. McQuaid & J.H. Grendell (Eds.). *Current diagnosis & treatment in gastroenterology*. New York: Lange Medical Books/McGraw Hill, pp. 355–367.
- Holmes, H.N., Henry, K., Bilotta, K., Comerford, K., & Weinstock, D., (Eds.). (2007). *Professional guide to signs & symptoms*, 5th ed. Philadelphia: Lippincott Williams & Wilkins, pp. 112–118.
- Kahrilas, P.J. (2005). Esophageal motility disorders. In W.M. Weinstein, C.J. Hawkey, & J. Bosch (Eds), *Clinical gastroenterology and hepatology*. St Louis: Elsevier Mosby, pp. 253–259.
- Madsen, D., Sebolt T., Cullen, L., Folkedahl, B., Mueller, T., Richardson, C., & Titler, M. (2005). Listening to bowel sounds: An evidence-based practice project. *American Journal of Nursing*, 105(12): 40–49.
- Ouyang, A. & Locke, G.R. (2007). Overview of neurogastroenterology – gastrointestinal motility and functional GI disorders: classification, prevalence, and epidemiology. *Gastroenterology Clinics of North America*, 36(3): 485–498.
- Quigley, E.M.M. (2006). Gastric motor and sensory function and motor disorders of the stomach. In M. Feldman, L.S. Friedman, L.J. Brandt, & M.H. Sleisenger (Eds.), *Sleisenger and Fordtran's gastrointestinal and liver disease pathophysiology/diagnosis/management*. St Louis: Saunders Elsevier, pp. 999–1028.
- Tack, J. (2005). Gastric motility disorders. In: W.M. Weinstein, C.J. Hawkey, & J. Bosch (Eds), *Clinical gastroenterology and hepatology*. St Louis: Elsevier Mosby, pp. 261–266.

- Taylor, C., Lillis, C. LeMone, P., & Lynn, P. (2008). *Fundamentals of nursing the art and science of nursing care*, 6th ed. Philadelphia: Lippincott Williams & Wilkins, pp. 636–639.
- Trinh, C. & Prabhakar, K. (2007). Diarrheal diseases in the elderly. *Clinics in geriatric medicine*, 23(4): 833–856.
- Tursi, A. (2004). Gastrointestinal motility disturbances in celiac disease. *Journal of Clinical Gastroenterology*, 38(8): 642–645. Watson, R.L. (2004). Gastrointestinal disorders. In: Verklan, M.T. & Walden, M. (Eds.), *Core curriculum for neonatal intensive care nursing*, 3rd ed. St Louis: Elsevier Saunders, pp. 654–683.
- Wong, D., Hockenberry, M.J., Perry, S., Lowdermilk D., & Wilson, D. (2006). *Maternal child nursing care*, 3rd ed. St Louis: Mosby Elsevier, pp. 814–818, 859–860, 1531–1537.

Risk for dysfunctional gastrointestinal motility (00197)

- Chial, H.J. & Camilleri, M. (2003). Motility disorders of the stomach and small intestine. In S.L. Friedman, K.R. McQuaid & J.H. Grendell (Eds.), *Current diagnosis & treatment in gastroenterology*. New York: Lange Medical Books/McGraw Hill, pp. 355–367.
- Holmes, H.N., Henry, K., Bilotta, K., Comerford, K., & Weinstock, D., (Eds.). (2007). *Professional guide to signs & symptoms*, 5th ed. Philadelphia: Lippincott Williams & Wilkins, pp. 112–118.
- Kahrilas, P.J. (2005). Esophageal motility disorders. In W.M. Weinstein, C.J. Hawkey, & J. Bosch (Eds), *Clinical gastroenterology and hepatology*. St Louis: Elsevier Mosby, pp. 253–259.
- Madsen, D., Sebolt T., Cullen, L., Folkedahl, B., Mueller, T., Richardson, C., & Titler, M. (2005). Listening to bowel sounds: An evidence-based practice project. *American Journal of Nursing*, 105(12): 40–49.
- Ouyang, A. & Locke, G.R. (2007). Overview of neurogastroenterology – gastrointestinal motility and functional GI disorders: classification, prevalence, and epidemiology. *Gastroenterology Clinics of North America*, 36(3): 485–498.
- Quigley, E.M.M. (2006). Gastric motor and sensory function and motor disorders of the stomach. In M. Feldman, L.S. Friedman, L.J. Brandt, & M.H. Sleisenger (Eds.), *Sleisenger and Fordtran's gastrointestinal and liver disease pathophysiology/diagnosis/management*. St Louis: Saunders Elsevier, pp. 999–1028.
- Tack, J. (2005). Gastric motility disorders. In: W.M. Weinstein, C.J. Hawkey, & J. Bosch (Eds), *Clinical gastroenterology and hepatology*. St Louis: Elsevier Mosby, pp. 261–266.
- Taylor, C., Lillis, C. LeMone, P., & Lynn, P. (2008). *Fundamentals of nursing the art and science of nursing care*, 6th ed. Philadelphia: Lippincott Williams & Wilkins, pp. 636–639.
- Trinh, C. & Prabhakar, K. (2007). Diarrheal diseases in the elderly. *Clinics in geriatric medicine*, 23(4): 833–856.
- Tursi, A. (2004). Gastrointestinal motility disturbances in celiac disease. *Journal of Clinical Gastroenterology*, 38(8): 642–645. Watson, R.L. (2004). Gastrointestinal disorders. In: Verklan, M.T. & Walden, M. (Eds.), *Core curriculum for neonatal intensive care nursing*, 3rd ed. St Louis: Elsevier Saunders, pp. 654–683.
- Wong, D., Hockenberry, M.J., Perry, S., Lowdermilk D., & Wilson, D. (2006). *Maternal child nursing care*, 3rd ed. St Louis: Mosby Elsevier, pp. 814–818, 859–860, 1531–1537.

3.3 Class 3. Integumentary function

This class does not currently contain any diagnoses

3.4 Class 4. Respiratory function

Impaired gas exchange (00030)

- Andrade et al. - ACTA Paul Enferm, V. 25, N. 5, P. 713–720. (2012)
- Araujo et al.- Rev Rene, v. 20; e 40159. (2019) doi:10.15253/2175–6783.20192040159
- Avena et al.- Frequency of Respiratory Nursing Diagnoses and Accuracy of Clinical Indicators in Preterm Infants - doi:10.1111/2047–3095.12205
- Carvalho et al.- Adecuación de las características definitorias en los diagnósticos de deterioro del intercambio de gases y de la ventilación espontánea en niños asmáticos - Enfermería Clínica Volume 25, Issue 6, November–December 2015, Pages 296–304 - doi:10.1016/j.enfcli.2015.07.007
- Diniz, C.M., Pascoal, L.M., Lopes, M.V.O., Beltrão, B.A., Sousa, V.E.C., Silva, V.M., & Nunes, M.M. (2018). Simultaneous concept analysis of the nursing diagnoses, ineffective airway clearance, ineffective breathing pattern, and impaired gas exchange. Available from: <https://www.bc.edu/content/dam/bc1/schools/cson/About/Events/Simultaneous%20concept%20analysis%20of%20the%20nursing%20diagnoses,%20ineffective%20airway%20clearance,%20ineffective%20breathing%20pattern,%20and%20impaired%20gas%20exchange.pdf>
- Dutra et al.- Cogitare Enferm. 2014 Oct/Dec; 19(4):747–54
- Hartmann et al., 2016 - APMIS. doi:10.1111/apm.12626
- Moddabbenia et al. - J Autism Dev Disord (2016) 46:1847–1859
DOI 10.1007/s10803–016–2717–5
- Pascoal et al.- Enfermeria Clinica, v. 22, n. 4, p. 237–282 (2012)
- Pascoal et al.- Impaired Gas Exchange: Prognostic Clinical Indicators of Short-Term Survival in Children with Acute Respiratory Infection - Int J Nurs Knowl. 2019 Apr;30(2):87–92. doi: 10.1111/2047–3095.12203
- Pascoal et al. - Journal of Pediatric Nursing (2016) 31, 85–91 <http://dx.doi.org/10.1016/j.pedn.2015.08.002>
- Pascoal et al. - Rev Rene, v. 10, n. 4, p. 96–102 Oct/Dec (2009)
- Pascoal LM, Lopes MVO, Chaves DBR, Beltrão BA, Silva VM, Monteiro FPM. Impaired gas exchange: accuracy of defining characteristics in children with acute respiratory infection. Rev. Latino-Am. Enfermagem. Forthcoming 2015
- Rocha et al.- Esc Anna Nery, v. 13, n. 3, Jul / Sept (2009)
- Silva et al.- Enferm Clin. 2011;21(4):214–218 doi:10.1016/j.enfcli.2011.02.009
- Sousa et al. - International Journal of Nursing Knowledge, V. 26, Issue 3, July 2015, Pages 141–146 <https://doi-org.ez11.periodicos.capes.gov.br/10.1111/2047–3095.12061>
- Sousa et al.- Rev. Eletr. Enf. 2018;20:v20a37. doi:10.5216/ree.v20.51724.
- Sousa; Lopes; Silva - Assist Intern Ric, v. 33, p. 29–35 (2014)
- Weiskopf et al., 2012 - Anesthesia and analgesia, 114(3), 511–519. doi:10.1213/ANE.0-b013e318241fcd5

4 Domain 4. Activity/rest

4.1 Class 1. Sleep/rest

Insomnia (00095)

- Ahmed AE, Al-Jahdali H, Fatani A, Al-Rouqi K, Al-Jahdali F, Al-Harbi A, et al. The effects of age and gender on the prevalence of insomnia in a sample of the Saudi population. *Eth Health* 2017; 22(3): 285–294. doi:10.1080/13557858.2016.1244624
- Andreeva VA, Torres MJ, Druesne-Pecollo N, Léger D, Gonzalez P, Bayon V, et al. Sex-specific associations of different anthropometric indices with acute and chronic insomnia. *Eur J Public Health* 2017; 27(6):1026–1031. doi:10.1093/eurpub/ckx123.
- Ayoub AI, Attia M, El Kady HM, Ashour A. Insomnia among community dwelling elderly in Alexandria, Egypt. *J Egypt Public Health Assoc* 2014; 89(3): 136–142. doi: 10.1097/01.EPX.0000456621.42258.79.
- Bahouq H, Allali F, Rkain H, Hmamouchi I, Hajjaj-Hassouni N. Prevalence and severity of insomnia in chronic low back pain patients. *Rheumatol Int* 2013; 33 (5):1277–1281. doi:10.1007/s00296-012-2550-x
- Benbir G, Demir AU, Aksu M, Ardic S, Firat H, Itil O, et al. Prevalence of insomnia and its clinical correlates in a general population in Turkey. *Psychiatry Clin Neurosc* 2014;69(9):543–52. doi:10.1111/pcn.12252
- Bollu PC, Kaur H. Sleep Medicine: Insomnia and Sleep. *Mo Med*. 2019;116(1):68–75. Retried from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6390785/pdf/ms116_p0068.pdf
- Brewster GS, Riegel B, Gehrman PR. Insomnia in the Older Adult. *Sleep Med Clin*. 2018 Mar;13(1):13–19. doi:10.1016/j.jsmc.2017.09.002
- Budhiraja R, Parthasarathy S, Budhiraja P, Habib M, Wendel C, Quan S. Insomnia in Patients with COPD. *Sleep* 2012; 35(3): 369–375. doi:10.5665/sleep.1698.
- Canham SL, Kaufmann CN, Mauro PM, Mojtabai R, Spira AP. Binge drinking and insomnia in middle-aged and older adults: the Health and Retirement Study. *Int J Geriatr Psychiatry* 2015; 30(3): 284–291. doi:10.1002/gps.4139
- Chan WS, Levsen MP, McCrae CS. A Meta-Analysis of Associations Between Obesity and Insomnia Diagnosis and Symptoms. *Sleep Med Rev*. 2018 Aug;40:170–182. doi:10.1016/j.smrv.2017.12.004
- Chen LJ, Steptoe A, Chen YH, Ku PW, Lin, CH. Physical activity, smoking, and the incidence of clinically diagnosed insomnia. *Sleep Med* 2017;30:189–194. doi:10.1016/j.sleep.2016.06.040
- Chimluang J, Aunguroch Y, Jitpanya C. Descriptors of Insomnia among Patients with Heart Failure. *J Med Assoc Thai* 2017; 100(4): 403–9.
- Cohen A, Colodner R, Masalha R, Haimov I. The Relationship Between Tobacco Smoking, Cortisol Secretion, and Sleep Continuity. *Substance Use & Misuse* 2019; 54 (10): 1–10. doi:10.1080/10826084.2019.1608250
- Da Costa D, Allman AA, Libman E, Desormeau P, Lowensteyn I, Grover S. Prevalence and Determinants of Insomnia After a Myocardial Infarction. *Psychosomatics* 2017; 58(2):132–140. doi:10.1016/j.psych.2016.11.002.
- Desai K, Mao J, Su I, DeMichele A, Li Q, Xie S, Gehrman P. Prevalence and risk factors for insomnia among breast cancer patients on aromatase inhibitors. *Support Care Cancer* 2013; 21(1): 43–51. doi:10.1007/s00520-012-1490-z.

- Desjardins S, Lapierre S, Hudon C, Desagné A. Factors involved in sleep efficiency: a population-based study of community-dwelling elderly persons. *Sleep*. 2019 May; 42(5): zsz038.10.1093/sleep/zsz038
- Dorheim S, Bjorvatn B, Eberhard-Gran M. Insomnia and Depressive Symptoms in Late Pregnancy: a population-based study. *Behavioral Sleep Medicine* 2012; 10(3): 152–166. doi:10.1080/15402002.2012.660588.
- Drake CL, Pillai V, Roth T. Stress and Sleep Reactivity: A Prospective Investigation of the Stress-Diathesis Model of Insomnia. *Sleep* 2014; 37(8): 1295–1304. doi: 10.5665/sleep.3916.
- Fernández-Alonso A, Trabalón-Pastor M, Chedraui P, Pérez-López F. Factors related to insomnia and sleepiness in the late third trimester of pregnancy. *Arch Gynecol Obstet* 2012; 286(1): 55–61. doi:10.1007/s00404-012-2248-z.
- Garland SN, Rowe H, Repa LM, Fowler K, Zhou ES, Grandner MA. A decade's difference: 10-year change in insomnia symptom prevalence in Canada depends on socio-demographics and health status. *Sleep Health* 2018; 4(2): 160–165. doi:10.1016/j.sleh.2018.01.003
- Gindin J, Shochat T, Chetrit A, Epstein S, Ben Israel Y., & Levi, S. et al. (2014). Insomnia in Long-Term Care Facilities: A Comparison of Seven European Countries and Israel: The Services and Health for Elderly in Long TERm care Study. *J Am Geriatr Soc* 2014;62(11): 2033–2039. doi:10.1111/jgs.13099.
- Guandalini LS, Silva EF, Lopes JL, Santos VB, Lopes CT, Barros ALBL. Analysis of the evidence of related factors, associated conditions and at-risk populations of the NANDA-I nursing diagnosis insomnia, *Int J Nurs Sci*. Available online 13 September 2020. doi:10.1016/j.ijnss.2020.09.003
- Guo Y, Hu H, Liu Y, Leng Y, Gao X, Cui Q, et al. Gender differences in the relationship between alcohol consumption and insomnia in the the northern Chinese population. *Plos One* 2018; 13(12): e0207392. doi:10.1371/journal.pone.0207392
- Hall Brown T, Mellman T. The influence of PTSD, sleep fears, and neighborhood stress on insomnia and short sleep duration in urban, young adult, African Americans. *Behav Sleep Med* 2014; 12(3): 198–206. doi:10.1080/15402002.2013.784704.
- Halonen JL, Lallukka T, Pentti J, Stenholm S, Rod NH, Virtanen M et al. Change in Job Strain as a Predictor of Change in Insomnia Symptoms: Analyzing Observational Data as a Non-randomized Pseudo-Trial. *Sleep* 2017; 40(1): 1–8. doi:10.1093/sleep/zsw007
- Jang KH, Lee JH, Kim SJ, Kwon J. Characteristics of Napping in Community-Dwelling Insomnia Patients. *Sleep Med*. 2018 May;45:49–54. doi:10.1016/j.sleep.2017.12.018
- Jansson-Fröjmark M, Boersma K. Bidirectionality between pain and insomnia symptoms: A prospective study. *Br J Health Psychol* 2012; 17(2): 420–431. doi:10.1111/j.2044-8287.2011.02045.x.
- Jung HS, Lee B. Factors associated with the occurrence of functional dyspepsia and insomnia in shift-working nurses. *Work* 2016; 54(1): 93–101. doi:10.3233/WOR-162283.
- Jung KH, Hielee J, Kim SJ, Kwon HJ. Characteristics of napping in community-dwelling insomnia patients. *Sleep Medicine* 2018; 45: 49–54. doi:10.1016/j.sleep.2017.12.018
- Kawata, Y., Maeda, M., Sato, T., Maruyama, K., Wada, H., Ikeda, A., & Tanigawa, T. Association between marital status and insomnia-related symptoms: findings from a population-based survey in Japan. *European Journal of Public Health* 2019; 0(0):1–6. doi:10.1093/eurpub/ckz119

- Kielbasa G, Stolarz-Skrzypek K, Pawlik A, Łątka M, Drożdż T, Olszewska M, Franczyk A, Czarnecka D. Assessment of sleep disorders among patients with hypertension and coexisting metabolic syndrome. *Adv Med Sci* 2016; 61(2): 261–268. doi:10.1016/j.advms.2016.03.005
- Kim J, Cho SJ, Kim WJ, Yang KI, Yun CH, Chu MK. (2016). Insomnia in probable migraine: a population-based study. *J Headache Pain* 2016; 17(1): 92. doi: 10.1186/s10194-016-0681-2
- Kim SH, Lee DH, Yoon KB, An JR, Yoon DM. Factors Associated with Increased Risk for Clinical Insomnia in Patients with Chronic Neck Pain. *Pain Physician* 2015; 18(6): 593–8. Retrieved from: <https://www.painphysicianjournal.com/current/pdf?article=MjQ1NA%3D%3D&journal=92>
- Kızıllırmak A, Timur S, Kartal B. Insomnia in Pregnancy and Factors Related to Insomnia. *Scientific World Journal* 2012; 2012:197093. doi:10.1100/2012/197093.
- Laks J, Goren A, Dueñas H, Novick D, Kahle-Wroblewski K. Caregiving for patients with Alzheimer's disease or dementia and its association with psychiatric and clinical comorbidities and other health outcomes in Brazil. *Int J Geriatr Psychiatry* 2016; 31(2): 176–85 doi:10.1002/gps.4309
- Lallukka T, Sares-Jäske L, Kronholm E, Sääksjärvi K, Lundqvist A, Partonen T, et al. Sociodemographic and socioeconomic differences in sleep duration and insomnia-related symptoms in Finnish adults. *BMC Public Health* 2012; 12: 565. doi:10.1186/1471-2458-12-565.
- Lee DH, Park JE, Yoon DM, Yoon KB, Kim K, Kim SH. Factors Associated with Increased Risk for Clinical Insomnia in Patients with Postherpetic Neuralgia: A Retrospective Cross-Sectional Study. *Pain Med* 2016; 17(10): 1917–1922. doi:10.1093/pm/pnw066
- Lim YC, Hoe VCW, Darus A, Bhoo-Pathy N. Association Between Night-Shift Work, Sleep Quality and Metabolic Syndrome. *Occup Environ Med.* 2018; 75(10):716–723. doi:10.1136/oemed-2018-105104
- Lopez M, Cheng J, Kanner A, Carvalho D, Diamond J, Wallace D. Insomnia symptoms in South Florida military veterans with epilepsy. *Epilepsy Behav* 2013; 27(1): 159–164. doi: 10.1016/j.yebeh.2013.01.008.
- Ma Y, Hu Z, Qin X, Chen R, Zhou Y. Prevalence and socio-economic correlates of insomnia among older people in Anhui, China. *Australas J Ageing* 2018;37(3): E91–E96. doi:10.1111/ajag.12531.
- Manber R, Steidtmann D, Chambers A, Ganger W, Horwitz S, Connelly C. Factors Associated with Clinically Significant Insomnia Among Pregnant Low-Income Latinas. *J Womens Health* 2013; 22(8): 694–701. doi: 10.1089/jwh.2012.4039.
- Mollayeva T, Mollayeva S, Shapiro CM, Cassidy JD, Colantonio A. Insomnia in workers with delayed recovery from mild traumatic brain injury. *Sleep Med* 2016; 19:153–61. doi:10.1016/j.sleep.2015.05.014.
- Mondal G, Bajaj V, Goyal BL, Mukherjee N. Prevalence of sleep disorders and severity of insomnia in psychiatric outpatients attending a tertiary level mental health care facility in Punjab, India. *Asian J Psychiatr* 2018; 32: 8–13. doi:10.1016/j.ajp.2017.11.012.
- Morris BA, Thorndike FP, Ritterband LM, Glozier N, Dunn F, Chambers SK. Sleep disturbance in cancer patients and caregivers who contact telephone-based help services *Support Care Cancer* 2015; 23(4): 1113–1120. doi:10.1007/s00520-014-2458-y.

- Mughal S, Azhar Y, Siddiqui WJ. Grief Reaction. StatPearls [Internet]. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK507832/>
- Obayashi K, Saeki K, Iwamoto J, Okamoto N, Tomioka K, Nezu S, et al. Effect of exposure to evening light on sleep initiation in the elderly: A longitudinal analysis for repeated measurements in home settings. *Chronobiol Int* 2013; 31(4): 461–467. doi:10.3109/07420528.2013.840647.
- Obayashi K, Saeki K, Kurumatani N. Association between light exposure at night and insomnia in the general elderly population: the HEIJO-KYO cohort. *Chronobiol Int* 2014; 31(9): 976–982. doi:10.3109/07420528.2014.937491.
- Park C, Sim CS, Sung JH, Lee J, Ahn JH, Choe YM, Park J. Low Income as a Vulnerable Factor to the Effect of Noise on Insomnia. *Psychiatry Investig*. 2018 Jun; 15(6): 602–612. doi: 10.30773/pi.2018.01.14
- Román-Gálvez RM, Amezcua-Prieto C, Salcedo-Bellido I, Martínez-Galiano JM, Khan KS, Bueno-Cavanillas A. Factors associated with insomnia in pregnancy: A prospective Cohort Study. *Eutr J Obstet Gynecol Reprod Biol* 2018; 221, 70–75. doi:10.1016/j.ejogrb.2017.12.007.
- Rutten S, Vriend C, Van der Werf YD, Berendse HW, Weintraub D, van den Heuvel OA. The bidirectional longitudinal relationship between insomnia, depression and anxiety in patients with early-stage, medication-naïve Parkinson's disease. *Parkinsonism Relat Disord* 2017;39: 31–36. <https://doi.org/10.1016/j.parkrel-dis.2017.01.015>
- Sakurai K, Nakata A, Ikeda T, Otsuka Y, Kawahito J. Employment Type, Workplace Interpersonal Conflict, and Insomnia: A Cross-sectional Study of 37,646 Employees in Japan. *Arch Environ Occup Health* 2014; 69(1): 23–32. doi:10.1080/19338244.2012.713040.
- Shaffer J, Kronish I, Burg M, Clemow L, Edmondson D. Association of Acute Coronary Syndrome-Induced Posttraumatic Stress Disorder Symptoms with Self-Reported Sleep. *Ann Behav Med* 2013; 46(3): 349–357. doi:10.1007/s12160-013-9512-8.
- Simonelli G, Dudley KA, Weng J, Gallo LC, Perreira K, Shah NA, et al. Neighborhood Factors as Predictors of Poor Sleep in the Sueño Ancillary Study of the Hispanic Community Health Study/Study of Latinos. *Sleep* 2016; 40(1). doi:10.1093/sleep/zsw025.
- Skarpsno ES, Nilsen TIL, Sand T, Hagen K, Mork PJ. Physical work exposure, chronic musculoskeletal pain and risk of insomnia: longitudinal data from the HUNT study, Norway. *Occup Environ Med* 2018; 75(6):421–426. doi:10.1136/oemed-2018-105050.
- Smith RL, Flaws JA, Mahoney MM. Factors associated with poor sleep during menopause: results from the Midlife Women's Health Study. *Sleep Med* 2018; 45: 98–105. doi: 10.1016/j.sleep.2018.01.012
- Suh S, Cho N, Zhang J. Sex Differences in Insomnia: from Epidemiology and Etiology to Intervention. *Current Psychiatry Reports* 2018; 20(9). doi:10.1007/s11920-018-0940-9
- Taylor DJ, Pruiksma KE, Hale WJ, Kelly K, Maurer D, Peterson AL, et al. Prevalence, Correlates, and Predictors of Insomnia in the US Army prior to Deployment. *Sleep* 2016; 39(10): 1795–1806. doi: 10.5665/sleep.6156
- Wang YM, Chen HG, Song M, Xu SJ, Yu LL, Wang L, et al. Prevalence of insomnia and its risk factors in older individuals: a community-based study in four cities of Hebei Province, China. *Sleep Med* 2016; 19:116–22. doi:10.1016/j.sleep.2015.10.018

- Wilsmore B, Grunstein R, Fransen M, Woodward M, Norton R, Ameratunga S. Sleep habits, insomnia, and daytime sleepiness in a large and healthy community-based sample of New Zealanders. *J Clin Sleep Med* 2013; 9(6): 559–566. <http://dx.doi.org/10.5664/jcsm.2750>
- Yang C, Hung C, Lee H. Stress-Related Sleep Vulnerability and Maladaptive Sleep Beliefs Predict Insomnia at Long-Term Follow-Up. *J Clin Sleep Med* 2014 15;10 (9):997–1001. doi: 10.5664/jcsm.4036.
- Zhang B, Wing YK. Sex differences in insomnia: a meta-analysis. *Sleep*. 2006;29(1):85–93. doi:10.1093/sleep/29.1.85
- de Zambotti, M., Goldstone, A., Colrain, I. M., & Baker, F. C. (2018). Insomnia disorder in adolescence: Diagnosis, impact, and treatment. *Sleep medicine reviews*, 39, 12–24. doi:10.1016/j.smr.2017.06.009
- Palagini, L., Moretto, U., Novi, M., Masci, I., Caruso, D., Drake, C. L., & Riemann, D. (2018). Lack of Resilience Is Related to Stress-Related Sleep Reactivity, Hyperarousal, and Emotion Dysregulation in Insomnia Disorder. *Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine*, 14(5), 759–766. doi:10.5664/jcsm.7100

Sleep deprivation (00096)

None at this time.

Readiness for enhanced sleep (00165)

None at this time.

Disturbed sleep pattern (00198)

None at this time.

4.2 Class 2. Activity/exercise

Decreased activity tolerance (00298)

- Aziato, L.; Dedey, F. & Clegg-Lamptey, J. N. A. (2014). The experience of dysmenorrhea among Ghanaian senior high and university students: pain characteristics and effects. In: *Reproductive Health: Jg. 11* (58).
- Cavalcanti, A. C. D. & Pereira, J. M. V. (2014). Nursing diagnoses of patients with heart failure: an integrative review. In: *Brazilian Journal of Nursing: Jg. 13* (1) S. 113–125.
- Couillard, A.; Muir, J. F. & Veale, D. (2010). COPD Recent Findings: Impact on Clinical Practice. In: *COPD: Journal of Chronic Obstructive Pulmonary Disease: Jg. 7* (3) S. 204–213.
- De Souza, V.; Zeitoun, S. S.; Lopes, C. T.; de Oliveira, A. P. D.; Lopes, J. L. & de Barros, A. L. B. L. (2015). Clinical usefulness of the definition for defining characteristics of activity intolerance, excess fluid volume and decreased cardiac output in decompensated heart failure: a descriptive exploratory study. In: *Journal of Clinical Nursing: Jg. 24* (17–18) S. 2478–2487.
- Fischer, M. J.; Scharloo, M.; Abbink, J.; van 't Hul, A.; van Ranst, D; Rudolphus, A; Weinman, J.; Rabe, K. F. & Kaptein, A. A. (2012). Concerns About Exercise Are Related to Walk Test Results in Pulmonary Rehabilitation for Patients with COPD. In: *International Journal of Behavioral Medicine: Jg. 19* S. 39–47.

- Giua, R.; Pedone, C.; Scarlata, S.; Carrozzo, I.; Rossi, F. F.; Valiani, V. & Incalzi, R. A. (2014). Relationship Between Respiratory Muscle Strength and Physical Performance in Elderly Hospitalized Patients. In: *Rejuvenation Re-search: Jg. 17 (4) S. 366–371.*
- Hamel RN, Smoliga JM. Physical Activity Intolerance and Cardiorespiratory Dysfunction in Patients with Moderate-to-Severe Traumatic Brain Injury. *Sports Med.* 2019 Aug;49(8):1183–1198.
- Hur, H.-K.; Kim, S.-S.; Storey, M. J. & Kim, G.-Y. (2005). Activity Intolerance and Impaired Physical Mobility in Elders. In: *International Journal of Nursing Terminologies and Classifications: Jg. 16 (3–4) S. 47–53.*
- Kitzman, D. W.; Nicklas, B.; Kraus, W. E.; Lyles, M. F.; Eggebeen, J.; Morgan, T. M. & Haykowsky, M. (2014). Skeletal muscle abnormalities and exercise intolerance in older patients with heart failure and preserved ejection fraction. In: *American Journal of Physiology Heart and Circulatory Physiology: Jg. 306 (9) S. 364–370.*
- Lopes, M. R.; Ribeiro, P. A. B.; Ledur, P.; Souza, G. C.; Clausell, N. & Schaan, B. D. (2014). Vitamin D Insufficiency Is Associated with Lower Physical Function in Patients with Heart Failure and Diabetes. In: *Journal of Diabetes Research.*
- Mol, V. J. & Baker, C. A. (1991). Activity Intolerance in the Geriatric Stroke Patient. In: *Rehabilitation Nursing: Jg. 16 (6) S. 337–343.*
- O'Donnell, D. E. & Gebke, K. B. (2014). Examining the Role of Activity, Exercise, and Pharmacology in Mild COPD. In: *Postgraduate Medicine: Jg. 126 (5) S. 135–145.*
- Ogasawara, C.; Hasegawa, T.; Kume, Y.; Takahashi, I.; Katayama, Y.; Furuhashi, Y.; Andoh, M.; Yamamoto, Y.; Okazaki, S. & Tanabe, M. (2005). Nursing Diagnoses and Interventions of Japanese Patients with End-Stage Breast Cancer Admitted for Different Care Purposes. In: *International Journal of Nursing Terminologies and Classifications: Jg. 16 (3–4) S. 54–64.*
- Rodrigues CG, Moraes MA, Coutinho AOR, Sauer JM, Kalil RAK, Souza EN. Clinical comparison of patients with refractory angina with and without the nursing diagnosis of activity intolerance. *Journal of Clinical Nursing* 2012; 21(23–24):3579–82.
- Rodrigues, C. G.; Moraes, M. A.; Sauer, J. M.; Kalil, R. A. K. & de Souza, E. N. (2011) Nursing Diagnosis of Activity Intolerance: Clinical validation in Patients With Refractory Angina. In: *International Journal of Nursing Terminologies and Classifications: Jg. 22 (3) S. 117–122.*
- Spruit, M. A.; Janssen, P. P.; Willemsen, S. C. P.; Hochstenbag, M. M. H. & Wouters, E. F. M. (2006). Exercise capacity before and after an 8-week multidisciplinary inpatient rehabilitation program in lung cancer patients: A pilot study. In: *Lung Cancer: Jg. 52 (2) S. 257–260.*
- Tack, B. B. & Gilliss, C. L. (1990). Nurse-monitored cardiac recovery: A description of the first 8 weeks. In: *Heart & Lung: Jg. 19 (5) S. 491–499.*
- Thibault, P.; Loisel, P.; Durand, M.-J.; Catchlove, R. & Sullivan, M. J. L. (2008). Psychological predictors of pain expression and activity intolerance in chronic pain patients. In: *Pain: Jg. 139 (1) S. 47–54.*
- Wieseke, A.; Twibell, R.; Bennett, S.; Marine, M. & Schoger, J. (1994). A content validation study of five nursing diagnoses by critical care nurses. In: *Heart & Lung: Jg. 23 (4) S. 345–351.*
- Zusman, M. (1997). Instigators of activity intolerance. In: *Manual Therapy: Jg. 2 (2) S. 75–86.*

Risk for decreased activity tolerance (00299)

- Aziato, L.; Dedey, F. & Clegg-Lamptey, J. N. A. (2014). The experience of dysmenorrhea among Ghanaian senior high and university students: pain characteristics and effects. In: *Reproductive Health*: Jg. 11 (58).
- Cavalcanti, A. C. D. & Pereira, J. M. V. (2014). Nursing diagnoses of patients with heart failure: an integrative review. In: *Brazilian Journal of Nursing*: Jg. 13 (1) S. 113–125.
- Couillard, A.; Muir, J. F. & Veale, D. (2010). COPD Recent Findings: Impact on Clinical Practice. In: *COPD: Journal of Chronic Obstructive Pulmonary Disease*: Jg. 7 (3) S. 204–213.
- De Souza, V.; Zeitoun, S. S.; Lopes, C. T.; de Oliveira, A. P. D.; Lopes, J. L. & de Barros, A. L. B. L. (2015). Clinical usefulness of the definition for defining characteristics of activity intolerance, excess fluid volume and decreased cardiac output in decompensated heart failure: a descriptive exploratory study. In: *Journal of Clinical Nursing*: Jg. 24 (17–18) S. 2478–2487.
- Fischer, M. J.; Scharloo, M.; Abbink, J.; van 't Hul, A.; van Ranst, D.; Rudolphus, A.; Weinman, J.; Rabe, K. F. & Kaptein, A. A. (2012). Concerns About Exercise Are Related to Walk Test Results in Pulmonary Rehabilitation for Patients with COPD. In: *International Journal of Behavioral Medicine*: Jg. 19 S. 39–47.
- Giua, R.; Pedone, C.; Scarlata, S.; Carrozzo, I.; Rossi, F. F.; Valiani, V. & Incalzi, R. A. (2014). Relationship Between Respiratory Muscle Strength and Physical Performance in Elderly Hospitalized Patients. In: *Rejuvenation Research*: Jg. 17 (4) S. 366–371.
- Hamel RN, Smoliga JM. Physical Activity Intolerance and Cardiorespiratory Dysfunction in Patients with Moderate-to-Severe Traumatic Brain Injury. *Sports Med.* 2019 Aug;49(8):1183–1198.
- Hur, H.-K.; Kim, S.-S.; Storey, M. J. & Kim, G.-Y. (2005). Activity Intolerance and Impaired Physical Mobility in Elders. In: *International Journal of Nursing Terminologies and Classifications*: Jg. 16 (3–4) S. 47–53.
- Kitzman, D. W.; Nicklas, B.; Kraus, W. E.; Lyles, M. F.; Eggebeen, J.; Morgan, T. M. & Haykowsky, M. (2014). Skeletal muscle abnormalities and exercise intolerance in older patients with heart failure and preserved ejection fraction. In: *American Journal of Physiology Heart and Circulatory Physiology*: Jg. 306 (9) S. 364–370.
- Lopes, M. R.; Ribeiro, P. A. B.; Ledur, P.; Souza, G. C.; Clausell, N. & Schaan, B. D. (2014). Vitamin D Insufficiency Is Associated with Lower Physical Function in Patients with Heart Failure and Diabetes. In: *Journal of Diabetes Research*.
- Mol, V. J. & Baker, C. A. (1991). Activity Intolerance in the Geriatric Stroke Patient. In: *Rehabilitation Nursing*: Jg. 16 (6) S. 337–343.
- O'Donnell, D. E. & Gebke, K. B. (2014). Examining the Role of Activity, Exercise, and Pharmacology in Mild COPD. In: *Postgraduate Medicine*: Jg. 126 (5) S. 135–145.
- Ogasawara, C.; Hasegawa, T.; Kume, Y.; Takahashi, I.; Katayama, Y.; Furuhashi, Y.; Andoh, M.; Yamamoto, Y.; Okazaki, S. & Tanabe, M. (2005). Nursing Diagnoses and Interventions of Japanese Patients with End-Stage Breast Cancer Admitted for Different Care Purposes. In: *International Journal of Nursing Terminologies and Classifications*: Jg. 16 (3–4) S. 54–64.
- Rodrigues CG, Moraes MA, Coutinho AOR, Sauer JM, Kalil RAK, Souza EN. Clinical comparison of patients with refractory angina with and without the nursing diagnosis of activity intolerance. *Journal of Clinical Nursing* 2012; 21(23–24):3579–82.
- Rodrigues, C. G.; Moraes, M. A.; Sauer, J. M.; Kalil, R. A. K. & de Souza, E. N. (2011) Nursing Diagnosis of Activity Intolerance: Clinical validation in Patients With Re-

- fractory Angina. In: *International Journal of Nursing Terminologies and Classifications*: Jg. 22 (3) S. 117–122.
- Spruit, M. A.; Janssen, P. P.; Willemsen, S. C. P.; Hochstenbag, M. M. H. & Wouters, E. F. M. (2006). Exercise capacity before and after an 8-week multidisciplinary inpatient rehabilitation program in lung cancer patients: A pilot study. In: *Lung Cancer*: Jg. 52 (2) S. 257–260.
- Tack, B. B. & Gilliss, C. L. (1990). Nurse-monitored cardiac recovery: A description of the first 8 weeks. In: *Heart & Lung*: Jg. 19 (5) S. 491–499.
- Thibault, P.; Loisel, P.; Durand, M.-J.; Catchlove, R. & Sullivan, M. J. L. (2008). Psychological predictors of pain expression and activity intolerance in chronic pain patients. In: *Pain*: Jg. 139 (1) S. 47–54.
- Wieseke, A.; Twibell, R.; Bennett, S.; Marine, M. & Schoger, J. (1994). A content validation study of five nursing diagnoses by critical care nurses. In: *Heart & Lung*: Jg. 23 (4) S. 345–351.
- Zusman, M. (1997). Instigators of activity intolerance. In: *Manual Therapy*: Jg. 2 (2) S. 75–86.

Risk for disuse syndrome (00040)

None at this time.

Impaired bed mobility (00091)

- Alagappan, P. (2019). EFFECT OF MASSED PRACTICE VERSUS DISTRIBUTED PRACTICE ON BASIC MOBILITY SKILLS AMONG POST STROKE PATIENTS. *Int J Physiother Res*, 7(2), 3028–33.
- Brouwer B, Musselman K, Culham E. Physical function and health status among seniors with and without a fear of falling. *Gerontology*. 2004; 50(3):135–141
- Campbell MR, Fisher J, Anderson L, Kreppel E. Implementation of early exercise and progressive mobility: steps to success. *Crit Care Nurse*. 2015;35(1):82–8.
- de Morton NA, Nolan JS. Unidimensionality of the Elderly Mobility Scale in older acute medical patients: different methods, different answers. *J Clin Epidemiol*. 2011;64(6):667–74.
- Fields C, Trotsky A, Fernandez N, Smith BA. Mobility and Ambulation for Patients with Pulmonary Artery Catheters: A Retrospective Descriptive Study. *J Acute Care Phys Ther*. 2015;6(2):64–70.
- Garzon-Serrano J, Ryan C, Waak K, Hirschberg R, Tully S, Bittner EA, Chipman DW, Schmidt U, Kasotakis G, Benjamin J, Zafonte R, Eikermann M. Early mobilization in critically ill patients: patients' mobilization level depends on health care provider's profession. *PM R*. 2011;3(4):307–13.
- Gherzi, I., Mariño, M. & Miralles, M.T. Smart medical beds in patient-care environments of the twenty-first century: a state-of-art survey. *BMC Med Inform Decis Mak* 18, 63 (2018) doi:10.1186/s12911-018-0643-5
- Goldstein S. The biology of aging: looking to defuse the genetic time bomb. *Geriatrics*. 1993; 48(9):76–82
- Janssens J, Malfroid K, Nyffeler T, Bohlhalter S, Vanbellingen T. Application of LSVT BIG intervention to address gait, balance, bed mobility, and dexterity in people with Parkinson disease: a case series. *Phys Ther*. 2014;94(7):1014–23.
- Joseph Adler, Daniel Malone, Early Mobilization in the Intensive Care Unit: A Systematic Review. *Cardiopulm Phys Ther J*. 2012; 23(1): 5–13.

- Kress JP. Sedation and mobility: changing the paradigm. *Crit Care Clin.* 2013;29(1):67–75.
- Lewis CL, Moutoux M, Slaughter M, Bailey SP. Characteristics of individuals who fell while receiving home health services. *Phys Ther.* 2004; 84(1):23–32
- Louter M, van Sloun RJ, Pevernagie DA, Arends JB, Cluitmans PJ, Bloem BR, Overeem S. Subjectively impaired bed mobility in Parkinson disease affects sleep efficiency. *Sleep Med.* 2013;14(7):668–74.
- Marinho-Buzelli AR, Bonnyman AM, Verrier MC. The effects of aquatic therapy on mobility of individuals with neurological diseases: a systematic review. *Clin Rehabil.* 2015;29(8):741–51.
- Morse JM, Gervais P, Pooler C, Merryweather A, Doig AK, & Bloswick D. The Safety of Hospital Beds. Ingress, Egress, and In-Bed Mobility. *Glob Qual Nurs Res.* 2015; 2: 2333393615575321.
- Morse, J. M., Gervais, P., Pooler, C., Merryweather, A., Doig, A. K., & Bloswick, D. (2015). The Safety of Hospital Beds: Ingress, Egress, and In-Bed Mobility. *Global qualitative nursing research*, 2, 2333393615575321.
- Nepomuceno Júnior BRV, Martinez BP, & Gomes Neto M. (2014). Impact of hospitalization in an intensive care unit on range of motion of critically ill patients: a pilot study. *Revista Brasileira de Terapia Intensiva*, 26(1), 65–70.
- Ourania M, Yvoni H, Christos K, Ionannis T. Effects of a physical activity program. The study of selected physical abilities among elderly women. *J Gerontol Nurs.* 2003; 29(7):50–55
- Pearson MJ, Lindop FA, Mockett SP, Saunders L. Validity and inter-rater reliability of the Lindop Parkinson's Disease Mobility Assessment: a preliminary study. *Physiotherapy.* 2009;95(2):126–33.
- Roach KE, Tappen RM, Kirk-Sanchez N, Williams CL, Loewenstein D. A randomized controlled trial of an activity specific exercise program for individuals with Alzheimer disease in long-term care settings. *J Geriatr Phys Ther.* 2011;34(2):50–6.
- Schweickert WD, Pohlman MC, Pohlman AS, Nigos C, Pawlik AJ, Esbrook CL, Spears L, Miller M, Franczyk M, Deprizio D, Schmidt GA, Bowman A, Barr R, McCallister KE, Hall JB, Kress JP. Early physical and occupational therapy in mechanically ventilated, critically ill patients: a randomised controlled trial. *Lancet.* 2009 30;373(9678):1874–82.
- Shujaat F, Soomro N, Khan M. The effectiveness of Kayaking exercises as compared to general mobility exercises in reducing axial rigidity and improve bed mobility in early to mid stage of Parkinson's disease. *Pak J Med Sci.* 2014; 30(5): 1094–1098.
- Soares Menezes KVR, Auger C, de Souza Menezes WR, Guerra RO. Instruments to evaluate mobility capacity of older adults during hospitalization: A systematic review. *Arch Gerontol Geriatr.* 2017;72:67–79.
- Sringean J, Taechalertrapaisarn P, Thanawattano C, Bhidayasiri R. How well do Parkinson's disease patients turn in bed? Quantitative analysis of nocturnal hypokinesia using multisite wearable inertial sensors. *Parkinsonism Relat Disord.* 2016;23:10–6.
- Tinetti ME, Ginter SF. Identifying mobility dysfunction in elderly persons. *JAMA.* 1988; 259(8):1190–1193
- Trees DW, Smith JM, Hockert S. Innovative mobility strategies for the patient with intensive care unit-acquired weakness: a case report. *Phys Ther.* 2013 Feb;93(2):237–47.

Verheyden G, Kampshoff CS, Burnett ME, Cashell J, Martinelli L, Nicholas A, Stack EL, Ashburn A. Psychometric properties of 3 functional mobility tests for people with Parkinson disease. *Phys Ther.* 2014;94(2):230–9.

Impaired physical mobility (00085)

Armendaris, M.K., Azzolin, K.O., Alves, F.J.M.S., Ritter, S.G., & Moraes, M.A.P. (2008). Incidência de complicações vasculares em pacientes submetidos a angioplastia coronariana transluminal percutânea por via arterial transradial e transfemoral. *Acta Paulista De Enfermagem*, 21(1), 107–111.

Boztosun, B., Gunes, Y., Yildiz, A., Bulut, M., Sagalm, M., Kargin, R., & Kirma, C. (2008). Early ambulation after diagnostic heart catheterization. *Angiology*, 58(6), 743

Doyle, B.J., Konz, B.A., Lennon, R.J., Bresnahan, J.F., Rihal, C.S., & Ting, H.H. (2006). Ambulation 1 hour after diagnostic cardiac catheterization: A prospective study of 1009 procedures. *Mayo Clinic Proceedings*. 81(12), 1537

Paganin, A. & Rabelo, E.R. (2012). A Clinical Validation Study of Impaired Physical Mobility of Patients Submitted to Cardiac Catheterization. *International Journal of Nursing Knowledge*, 23(3) 159.

Impaired wheelchair mobility (00089)

Dalhousie University. Faculty of Medicine Wheelchair Skills Program. (2016). Wheelchair Skills Test (WST) Version 4.3 Manual. Available from: https://wheelchairskillsprogram.ca/wp-content/uploads/2018/03/The_Wheelchair_Skills_Program_Manual.March_7_2016.pdf.

Karmarkar AM, Dicianno BE, Cooper R, Collins DM, Matthews JT, Koontz A, Teodoriski EE, Cooper RA. Demographic profile of older adults using wheeled mobility devices. *J Aging Res.* 2011;2011:560358

Kirby RL, Miller WC, Routhier F, Demers L, Mihailidis A, Polgar JM, Rushton PW, Titus L, Smith C, McAllister M, Theriault C, Thompson K, Sawatzky B. Effectiveness of a Wheelchair Skills Training Program for Powered Wheelchair Users: A Randomized Controlled Trial. *Arch Phys Med Rehabil.* 2015;96(11):2017–26.e3.

Kirby RL, Rushton PW, Routhier F, Demers L, Titus L, Miller-Polgar J, Smith C, McAllister M, Theriault C, Matheson K, Parker K, Sawatzky B, Labbé D, Miller WC. Extent to Which Caregivers Enhance the Wheelchair Skills Capacity and Confidence of Power Wheelchair Users: A Cross-Sectional Study. *Arch Phys Med Rehabil.* 2018;99(7):1295–1302.e9.

Kirby RL, Worobey LA, Cowan R, Pedersen JP, Heinemann AW, Dyson-Hudson TA, Shea M, Smith C, Rushton PW, Boninger ML. Wheelchair Skills Capacity and Performance of Manual Wheelchair Users With Spinal Cord Injury. *Arch Phys Med Rehabil.* 2016;97(10):1761–9.

Lemay V, Routhier F, Noreau L, Phang SH, Ginis KA. Relationships between wheelchair skills, wheelchair mobility and level of injury in individuals with spinal cord injury. *Spinal Cord.* 2012;50(1):37–41.

MacPhee AH, Kirby RL, Coolen AL, Smith C, MacLeod DA, Dupuis DJ. Wheelchair skills training program: A randomized clinical trial of wheelchair users undergoing initial rehabilitation. *Arch Phys Med Rehabil.* 2004;85(1):41–50.

Mortenson WB, Miller WC, Backman CL, Oliffe JL. Association between mobility, participation, and wheelchair-related factors in long-term care residents who use wheelchairs as their primary means of mobility. *J Am Geriatr Soc.* 2012;60(7):1310–5.

- Mortenson WB, Miller WC, Backman CL, Oliffe JL. Predictors of mobility among wheelchair using residents in long-term care. *Arch Phys Med Rehabil.* 2011;92(10):1587–93.
- Mountain, A. D., Kirby, R. L., & Smith, C. (2004). The wheelchair skills test, version 2.4: validity of an algorithm-based questionnaire. *Archives of Physical Medicine and Rehabilitation*, 85(3), 416–423.
- Nelson AL, Groer S, Palacios P, Mitchell D, Sabharwal S, Kirby RL, Gavin-Dreschnack D, Powell-Cope G. Wheelchair-related falls in veterans with spinal cord injury residing in the community: a prospective cohort study. *Arch Phys Med Rehabil.* 2010;91(8):1166–73.
- Rushton PW, Kirby RL, Routhier F, Smith C. Measurement properties of the Wheelchair Skills Test-Questionnaire for powered wheelchair users. *Disabil Rehabil Assist Technol.* 2016;11(5):400–6.
- Sakakibara BM, Miller WC, Souza M, Nikolova V, Best KL. Wheelchair skills training to improve confidence with using a manual wheelchair among older adults: a pilot study. *Arch Phys Med Rehabil.* 2013;94(6):1031–7.
- Tian F, Ni P, Mulcahey MJ, Hambleton RK, Tulsy D, Haley SM, Jette AM. Tracking functional status across the spinal cord injury lifespan: linking pediatric and adult patient-reported outcome scores. *Arch Phys Med Rehabil.* 2014;95(11):2078–2085. e15.

Impaired sitting (00237)

- Heering, C. (2010). Impaired sitting and impaired standing – two new nursing diagnoses. Paper presented at the AENTDE/NANDA International Congress, Madrid, Spain, May.
- Heering, C. (2010). Prevalent nursing needs and corresponding interventions of elderly patients in a post-acute geriatric hospital. Paper presented at the AENTDE/ NANDA International Congress, Madrid, Spain, May.
- Kool, J., Meichtry, A., Schaffert, R., & Rüesch, P. (2008). Entwicklung eines Patientenklassifikationssystems (PCS) für die Rehabilitation in der Schweiz. Winterthur: Zürcher Hochschule für angewandte Wissenschaften.
- Monod-Zorzi, S., Seematter-Bagnoud, L., Büla, C., Pellegrini, S., & Jaccard-Ruedin, H. (2007). Maladies chroniques et dépendance fonctionnelle des personnes âgées. Document de travail N. 25. Neuchâtel : Schweizerisches Gesundheitsobservatorium.

Impaired standing (00238)

- Brouwer, K., Nysseknabm, J., & Culham, E. (2004). Physical function and health status among seniors with and without fear of falling. *Gerontology*, 50(3): 135–141.
- Lewis, C.L., Moutoux, M., Slaughter, M., & Bailey, S.P. (2004). Characteristics of individuals who fell while receiving home health services. *Physical Therapy*, 84(1): 23–32.
- Tinetti, M.E. & Ginter, S.F. (1988). Identifying mobility dysfunction in elderly persons. *Journal of American Medical Association*, 259(8): 1190–1193.

Impaired transfer ability (00090)

- Brouwer, K., Nysseknabm, J., & Culham, E. (2004). Physical function and health status among seniors with and without fear of falling. *Gerontology*, 50(3): 135–141.

- Lewis, C.L., Moutoux, M., Slaughter, M., & Bailey, S.P. (2004). Characteristics of individuals who fell while receiving home health services. *Physical Therapy*, 84(1): 23–32.
- Tinetti, M.E. & Ginter, S.F. (1988). Identifying mobility dysfunction in elderly persons. *Journal of American Medical Association*, 259(8): 1190–1193.

Impaired walking (00088)

- Brouwer, K., Nysseknabm, J., & Culham, E. (2004). Physical function and health status among seniors with and without fear of falling. *Gerontology*, 50(3): 135–141.
- Lewis, C.L., Moutoux, M., Slaughter, M., & Bailey, S.P. (2004). Characteristics of individuals who fell while receiving home health services. *Physical Therapy*, 84(1): 23–32.
- Tinetti, M.E. & Ginter, S.F. (1988). Identifying mobility dysfunction in elderly persons. *Journal of American Medical Association*, 259(8): 1190–1193.

4.3 Class 3. Energy balance

Imbalanced energy field (00273)

- Brekke M, Schultz E. Energy theories: Modeling and role-modeling. In: Erickson H, ed. *Modeling and Role-Modeling: A view from the client's world*. Cedar Park, Texas: Unicorns Unlimited; 2006:33–67
- Butcher H, Frisch N, Shields D, Fuller A, Resnicoff M. Imbalanced human energy field: development, revision and conceptualization of a NANDA-I nursing diagnosis within Rogers' Science of Unitary Human Beings. In: Sheerin F, Sermeus F, Ehrenburg A, eds. *E-Health and Nursing, Knowledge for Patient Care, Proceedings of the 10th European Conference of the Association Common European Nursing Diagnosis, Interventions and Outcomes*. Dublin, Ireland: ACENDIO; 2015:36–8
- Denner SS. The science of energy therapies and contemplative practice: a conceptual review and the application of zero balancing. *Holist Nurs Pract*. 2009; 23(6):315–334
- Erickson HL. Philosophy and theory of holism. *Nurs Clin North Am*. 2007; 42(2):139–163, v
- Eschiti V. Practice column. Journey into chaos: quantifying the human energy field. *Visions. The Journal of Rogerian Nursing Science*. 2006; 14(1):50–57
- Frisch N., Butcher H, Campbell D, Weir-Hughes D. Holistic Nurses' Use of Energy-based Caring Modalities, manuscript under review, submitted to *Holistic Nursing Practice*. (full text available to DDC); 2015
- Frisch N, Butcher H, Campbell D, Weir-Hughes D. Validation of a NANDA-I diagnosis: Imbalanced energy field. Report of an unpublished study, submitted for presentation at the 2016 NANDA-I conference (full text available to DDC); 2015
- Frisch N, Fuller A, Resnicoff M, Shields D, Butcher H. Development of a revision/submission of a nursing diagnosis related to the concept of the human energy field. Unpublished White Paper prepared for the American Holistic Nurses' Association. Topeka, KS (full text to available to DDC); 2015
- Hardin S. Pattern of the field. *Visions: The Journal of Rogerian Nursing Science* 2004:6–7
- Krieger D. *Therapeutic touch as transpersonal healing*. New York, NY: Lantern; 2002

- Leddy SK. Human energy: A conceptual model of unitary nursing science. *Visions. The Journal of Rogerian Nursing Science*. 2004; 12(1):14–27
- Parse RR. Applications of Parse's Human Becoming school of thought. In: Parker M.A, ed. *Nursing theories & nursing practice*. Philadelphia, PA: F.A. Davis Company; 2006: 187–216
- Rogers ME. *An introduction to the theoretical basis of nursing*. Philadelphia, PA: F.A. Davis; 1970
- Rogers ME. Nursing science and art: a prospective. *Nurs Sci Q*. 1988; 1(3):99–102
- Rogers ME. Nursing science and the space age. *Nurs Sci Q*. 1992; 5(1):27–34
- Rogers ME. Nursing science evolves. In: Madrid M, Barrett EAM, eds. *Roger's scientific art of nursing practice*. New York, NY: National League for Nursing; 1994:3–9
- Shields D, Fuller A, Resnicoff M, Butcher H, Frisch N. Concept analysis of the term Human Energy Field as used within the discipline of nursing. Unpublished paper. (full text available to DDC)
- Todaro-Franceschi V. Clarifying the enigma of energy, philosophically speaking. *Nurs Sci Q*. 2008; 21(4):285–290
- Watson J, Smith MC. Caring science and the science of unitary human beings: a trans-theoretical discourse for nursing knowledge development. *J Adv Nurs*. 2002; 37(5): 452–461
- Watson J. *Caring science as sacred science*. Philadelphia, PA: FA Davis; 2005

Fatigue (00093)

- Carvalho, Davi Vilela, Santos, Renata Maria Silva, Magalhães, Helen Cardoso de, Souza, Mariana Soares de, Christo, Paulo Pereira, Almeida-Leite, Camila Megale de, & Scalzo, Paula Luciana. (2020). Can fatigue predict walking capacity of patients with Parkinson's disease?. *Arquivos de Neuro-Psiquiatria*, 78(2), 70–75. Epub March 09, 2020.10.1590/0004–282 × 20190136
- Egerton, T. et al. Prevalence of fatigue in patients 3 months after stroke and association with early motor activity: A prospective study comparing stroke patients with a matched general population cohort. *BMC Neurology*, United Kingdom, v. 15, 2015.
- Ekmann, A. et al. Do negative aspects of social relations influence fatigue? A cross-sectional study on a non-clinical sample of middle-aged Danish men. *Journal of Psychosomatic Research*, Netherlands, v. 73, n. 4, p. 277–282, 2012.
- Elf, M. et al. Self-Reported Fatigue and Associated Factors Six Years after Stroke. *PLoS One*, v. 11, n. 8, p. e0161942, 2016.
- Elsais, A. et al. Fatigue in myasthenia gravis: Is it more than muscular weakness? *BMC Neurology*, United Kingdom, v. 13, 2013.
- Ericsson, A.; Bremell, T.; Mannerkorpi, K. Usefulness of multiple dimensions of fatigue in fibromyalgia. *J Rehabil Med*, v. 45, n. 7, p. 685–93, Jul 2013.
- Eyigor, S.; Eyigor, C.; Uslu, R. Assessment of pain, fatigue, sleep and quality of life (QOL) in elderly hospitalized cancer patients. *Archives of Gerontology and Geriatrics*, Netherlands, v. 51, n. 3, p. e57–e61, 2010.
- Falconer, M.; Walsh, S.; Harbison, J. A. Estimated prevalence of fatigue following stroke and transient ischemic attack is dependent on terminology used and patient gender. *J Stroke Cerebrovasc Dis*, v. 19, n. 6, p. 431–4, Nov-Dec 2010
- Feldthusen, C. et al. Seasonal variations in fatigue in persons with rheumatoid arthritis: a longitudinal study. *BMC Musculoskelet Disord*, v. 17, p. 59, Feb 4 2016.

- Felger, J. C. et al. Molecular signatures of peripheral blood mononuclear cells during chronic interferon- α treatment: Relationship with depression and fatigue. *Psychological Medicine*, United Kingdom, v. 42, n. 8, p. 1591–1603, 2012.
- Felger, J. C. et al. Tyrosine metabolism during interferon-alpha administration: Association with fatigue and CSF dopamine concentrations. *Brain, Behavior, and Immunity*, Netherlands, v. 31, p. 153–160, 2013.
- Feng, L. R. et al. Different Phenotyping Approaches Lead to Dissimilar Biologic Profiles in Men With Chronic Fatigue After Radiation Therapy. *J Pain Symptom Manage*, v. 52, n. 6, p. 832–840, Dec 2016.
- Feng, L. R. et al. The role of TRAIL in fatigue induced by repeated stress from radiotherapy. *Journal of Psychiatric Research*, Netherlands, v. 91, p. 130–138, 2017.
- Montes, J., McDermott, M. P., Martens, W. B., Dunaway, S., Glanzman, A. M., ... Riley, S. (2010). Six-Minute Walk Test demonstrates motor fatigue in spinal muscular atrophy. *Neurology*, 74(10), 833–838. doi:10.1212/wnl.0b013e3181d3e308
- Mota DDCF, Cruz DALM, Pimenta CAM. Fadiga: uma análise do conceito. *Acta paul. enferm.* [Internet]. 2005 Sep [cited 2020 June 15]; 18(3): 285–293.
- Pageaux, B., & Lepers, R. (2016). Fatigue Induced by Physical and Mental Exertion Increases Perception of Effort and Impairs Subsequent Endurance Performance. *Frontiers in Physiology*, 7. doi:10.3389/fphys.2016.00587
- Rocha, Suzy Ramos, Santos, Míria Conceição Lavinas, Lopes, Marcos Venícios de Oliveira, Rodrigues, Andrea Bezerra, Sousa, Vanessa Emille Carvalho de, Aquino, Caroline Batista de Queiroz, & Mendes, Cláudia Rayanna Silva. (2018). Accuracy of the defining characteristics of the nursing diagnosis for fatigue in women under radiotherapy. *Revista Brasileira de Enfermagem*, 71(Suppl. 3), 1445–1452. doi:10.1590/0034-7167-2017-0549
- Santos, V. B., Lopes, C. T., dos Anjos, L. D., Begot, I., Cassiolatto, F., Guizilinni, S., & Moreira, R. S. L. (2019). Accuracy of the Defining Characteristics of Fatigue in Patients with Heart Failure as Identified by the 6-Minute Walking Test. *International Journal of Nursing Knowledge*. doi:10.1111/2047-3095.12270
- Silva, Priscila de Oliveira da, & Gorini, Maria Isabel Pinto Coelho. (2012). Validation of defining characteristics for the nursing diagnosis of fatigue in oncological patients. *Revista Latino-Americana de Enfermagem*, 20(3), 504–510. doi:10.1590/S0104-11692012000300011
- Witherspoon, J. W., Vasavada, R. P., Waite, M. R., Shelton, M., Chrismer, I. C., Wakim, P. G., ... Meilleur, K. G. (2018). 6-minute walk test as a measure of disease progression and fatigability in a cohort of individuals with RYR1-related myopathies. *Orphanet Journal of Rare Diseases*, 13(1). doi:10.1186/s13023-018-0848-9

Wandering (00154)

None at this time.

4.4 Class 4. Cardiovascular/pulmonary responses

Ineffective breathing pattern (00032)

- Andrade, L.Z.C, Chaves, D.B.R, Silva, V.M., Beltrão, B.A. & Lopes, M.V.O. (2012). Respiratory nursing diagnoses for children with acute respiratory infection. *Acta Paulista de Enfermagem*, 25(5). doi: 10.1590/S0103-21002012000500011

- Avena et al.- Frequency of Respiratory Nursing Diagnoses and Accuracy of Clinical Indicators in Preterm Infants - doi:10.1111/2047-3095.12205
- Avena, M. J., da Luz Gonçalves Pedreira, Mavilde, Herdman, T. H., & Gutiérrez, M. G. R. (2016). Respiratory nursing diagnoses: Presenting evidence for identification of the defining characteristics in neonatal and pediatric populations. *International Journal of Nursing Knowledge*, 27(4), 184–192. DOI:10.1111/2047-3095.12098
- Beltrão BA, Herdman TH, Pascoal LM, Chaves DBR, Silva VM, Lopes MV. Ineffective breathing pattern in children and adolescents with congenital heart disease: accuracy of defining characteristics. *Journal of Clinical Nursing*. 2015; 24; 2505–13. Available from: <http://dx.doi.org/10.1111/jocn.12838>.
- Beltrão BA, Silva VM, Araujo TL, Lopes MVO. Clinical indicators of ineffective breathing pattern in children with congenital heart diseases. *International Journal of Nursing Terminologies and Classifications*. 2011; 22; 4–12. Available from: <http://dx.doi.org/10.1111/j.1744-618X.2010.01169.x>.
- Carlson-Catalano, J., Lunney, M., Paradiso, C., Bruno, J., Luise, B. K., Martin, T., .. Pachter, S. (1998). Clinical validation of ineffective breathing pattern, ineffective airway clearance, and impaired gas exchange. *Image—the Journal of Nursing Scholarship*, 30(3), 243–248. DOI:10.1111/j.1547-5069.1998.tb01299.x
- Cavalcante JCBC, Mendes LC, Lopes MVO, Lima LH. Clinical indicators of ineffective breathing pattern in children with asthma. *Rev RENE*. 2010 Jan-Marc;11(1):66–75. Available from: http://www.revistarene.ufc.br/vol11n1_html_site/a07v11n1.htm
- Diniz, C.M., Pascoal, L.M., Lopes, M.V.O., Beltrão, B.A., Sousa, V.E.C., Silva, V.M., & Nunes, M.M. (2018). Simultaneous concept analysis of the nursing diagnoses, ineffective airway clearance, ineffective breathing pattern, and impaired gas exchange. Available from: <https://www.bc.edu/content/dam/bc1/schools/cson/About/Events/Simultaneous%20concept%20analysis%20of%20the%20nursing%20diagnoses,%20ineffective%20airway%20clearance,%20ineffective%20breathing%20pattern,%20and%20impaired%20gas%20exchange.pdf>
- Kim, M. J., & Larson, J. L. (1987). Ineffective airway clearance and ineffective breathing patterns: Theoretical and research base for nursing diagnosis. *The Nursing Clinics of North America*, 22(1), 125–134.
- Pascoal LM, Lopes MVO, Silva VM, Diniz CM, Nunes MM, Beltrão BA. A Content Analysis of Clinical Indicators of the Nursing Diagnosis Ineffective Breathing Pattern. *International Journal of Nursing Knowledge*, 01 June 2020. doi:10.1111/2047-3095.12290
- Pascoal, L. M., Lopes, Marcos Venícios de Oliveira, da Silva, V. M., Chaves, D. B. R., Beltrão, B. A., Nunes, M. M., & de Moura, Karine Kerla Maia. (2016). Clinical differentiation of respiratory nursing diagnoses among children with acute respiratory infection. *Journal of Pediatric Nursing*, 31(1), 85–91. DOI:10.1016/j.pedn.2015.08.002
- Prado PR, Bettencourt ARC, Lopes JL. Defining characteristics and related factors of the nursing diagnosis for ineffective breathing pattern. *Rev. Bras. Enferm*. 2019 Feb; 72(1): 221–230. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0034-71672019000100221&lng=en. doi:10.1590/0034-7167-2018-0061.
- Prado PR, Bettencourt ARC, Lopes JL. Fatores preditores do diagnóstico de enfermagem padrão respiratório ineficaz em pacientes de uma unidade de terapia intensiva. *Rev. Latino-Am. Enfermagem*. 2019; 27: e3153. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0104-11692019000100355&lng=en. Epub Oct 07, 2019. <http://dx.doi.org/10.1590/1518-8345.2902.3153>.

Silva VG, Pereira JMV, Figueiredo LS, Guimarães TCF, Cavalcanti ACD. Diagnósticos de Enfermagem em crianças com cardiopatias congênitas: mapeamento cruzado. *Acta paul enferm.* 2015; 28(6): 524–530. Available from: doi:10.1590/1982-0194201500088.

Silva VM, Araujo TL, Lopes MVO. Evolution of nursing diagnoses for children with congenital heart disease. *Rev. Latino-Am. Enfermagem.* 2006 Aug; 14(4): 561–8. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0104-11692006000400014&lng=en. <http://dx.doi.org/10.1590/S0104-11692006000400014>.

Decreased cardiac output (00029)

None at this time.

Risk for decreased cardiac output (00240)

Barros, A.L.B.L., & Gomes, I.M. (2000). Nursing diagnosis profile of patients admitted with acute myocardial infarction. *Acta Paulista de Enfermagem*, 13 (Special number, Part II), 105–8.

Bianco, A.C., Timerman, A., Paes, A.T., Gun, C., Ramos, R.F., & Freire, R.B. (2005). Análise prospectiva de risco em pacientes submetidos à cirurgia de revascularização miocárdica. *Arquivos Brasileiros de Cardiologia*, 85(4), 254–261.

Bodson, L., Bouferrache, K., & Vieillard-Baron, A. (2011) Cardiac tamponade. *Current Opinion in Critical Care*, 17, 416–424.

Campos, L.A. (2001). Choque cardiogênico no pós-operatório imediato de cirurgia cardíaca. *Revista da Sociedade de Cardiologia do Estado do Rio de Janeiro*, 14, 115–9.

Cardiac Output. (2010). Ever Wonder What Those Numbers Really Mean?. Retrieved from <http://mededcon.com/card01.htm>. Chairperson, A.T., Perrier, A., Konstantinides, S., Agnelli, G., Galiè, N., Pruszczyk, ... Bassand, J.P. (2000). Guidelines on the diagnosis and management of acute pulmonary embolism. *European Heart Journal*, 21, 1301–36.

Cox, L.A., Jr. (2002). *Risk analysis: foundations, models and methods*. Boston: Kluwer.

Cruz, D.A.L.M. (1989). Diagnósticos de enfermagem e padrões funcionais de saúde alterados em pacientes internados por cardiopatia chagásica crônica (Tese de Mestrado da Escola de Enfermagem, USP). Escola de Enfermagem, Universidade de São Paulo, São Paulo, Brasil.

Dougherty, C.M. (1997). Reconceptualization of the nursing diagnosis decreased cardiac output. *Nursing Diagnosis*, 8(1), 29–36. Eillis, M.F. (1997). Low cardiac output following cardiac surgery: critical thinking steps. *Dimensions in Critical Care Nursing*, 16(1), 48–55.

Griffin, M.J., & Hines, R.L. (2001). Management of perioperative ventricular dysfunction. *Journal of Cardiothoracic and Vascular Anesthesia*, 15(1), 90–106.

Gun, C., & Piegas, L.S. (2001). Síndrome de baixo débito no pós-operatório de cirurgia cardíaca. *Revista da Sociedade de Cardiologia do Estado de São Paulo*, 11(5), 1023–1030.

Guyton, A.C., Jones, C.E., & Coleman, T.G. (1963). *Circulatory Physiology: cardiac output and its regulation*. Philadelphia: Saunders.

Headley, J.M., & Von Rueden, K.T. (1991). The right ventricle: significant anatomy, physiology and interventricular considerations. *Journal of Cardiovascular Nursing*, 6 (1), 1–11.

Hochman, J.S., Boland, J., Sleeper, L.A., Porway, M., Brinker, J., Col, J., Jacobs, A., ... LeJemtel, T. (1995). Current aspects of cardiogenic shock and effect of early revascu-

- larization on mortality: results of an international registry. *Circulation*, 91(3), 873–881.
- Hollenberg, S.M. (2001). Cardiogenic shock. *Critical Care Clinics*, 17(2), 391–410.
- Hollenberg, S.M. (2004). Recognition and treatment of cardiogenic shock. *Seminars in Respiratory and Critical Care Medicine*, 25(6), 661–71.
- Johnson, D.L. (1983). Postoperative low cardiac output in infancy. *Heart & Lung: The Journal of Critical Care*, 12(6), 603–611.
- Kaplan, J.A. (1992). Pathophysiology of the perioperative low output syndrome. *European Journal of Anaesthesiology*, 5(Suppl.), 3–6.
- Kern, L., & Omery, A. (1992). Decreased cardiac output in the critical care setting. *Nursing Diagnosis*, 3(3), 94–106.
- Kushwaha, S.S., Fallon, J.T., & Fuster, V. (1997). Restrictive cardiomyopathy. *New England Journal of Medicine*, 336(4), 267–276.
- Levick, J.R. (1995). Control of stroke volume and cardiac output. In J.R. Levick. *An introduction to cardiovascular physiology*. (pp.76–103). Oxford: Butterworth – Heinemann.
- Lima, L.R., & Pereira, S.V.M. (2006). Diagnósticos de enfermagem em pacientes pós – cateterismo cardíaco: uma contribuição de Orem. *Revista Brasileira de Enfermagem*, 59(3), 285–90.
- Maganti, M., Badiwala, M., Sheikh, A., Scully, H., Feindel, C., David, T.E., & Rao, V. (2010). Predictors of low cardiac output syndrome after isolated mitral valve surgery. *Journal of Thoracic and Cardiovascular Surgery*, 140(4), 790–796.
- Mailhé, J.G. (1977). Physiopathology of low cardiac outputs after ECC and their treatment. *Annales de L'anesthesiologie Francaise*, 18(1), 73–80.
- Maria, V.R.L. (1997). *Elaboração de diagnósticos de Enfermagem do paciente coronariano em estado crítico* (Tese de Doutorado da Escola de Enfermagem, USP). Escola de Enfermagem, Universidade de São Paulo, São Paulo, SP.
- Martínez, J.M., Irazola, V., Nohara, W., & Sampó A.E. (1994). Acute pulmonary thromboembolism with severe hemodynamic compromise. The efficacy of systemic thrombolytic treatment in the coronary unit. *Revista Española de Cardiología*, 47(11), 773–776.
- Massé, L., & Antonacci, M. (2005). Low Cardiac Output Syndrome: Identification and Management. *Critical Care Nursing Clinics of North America*, 17(4), 375–383.
- Miyawaki, H., & Yamaguchi, S. (2003). Relationship between the location and size of myocardial infarction and pump failure—predictors of cardiogenic shock associated with acute myocardial infarction. *Nippon Rinsho*, 61(Suppl. 5), 451–455.
- Ramsay, J. (2002). How much cardiac output is enough? *Journal of Cardiothoracic and Vascular Anesthesia*, 16(1), 1–3.
- Rao, V., Ivanov, J., Weisel, R.D., Ikonomidis, J.S., Christakis, G.T., & David, T.E. (1996). Predictors of low cardiac output syndrome after coronary artery bypass. *Journal of Thoracic and Cardiovascular Surgery*, 112(1), 38–51.
- Rodgers, B. (1989). Concepts, analysis and the development of nursing knowledge: the evolutionary cycle. *Journal of Advanced Nursing*, 14(4), 330–5.
- Settergren, G., Anderson, R., & Rådegran, K. (2002). How much cardiac output is enough? *Journal of Cardiothoracic and Vascular Anesthesia*, 16(5), 663.
- Silva, R.C.G., & Cruz, D.A.L.M. (2002). Identificação dos diagnósticos de enfermagem, características definidoras e fatores de risco em pacientes valvopatias. *Revista da Sociedade de Cardiologia do Estado de São Paulo*, 2(Suppl. A), 1–7.

- Sunday, R., Robinson, L.A., & Bosek, V. (1999). Low cardiac output complicating pericardiectomy for pericardial tamponade. *Annals of Thoracic Surgery*, 67(1), 228–31.
- Stewart, J.M., Taneja, I., & Medow, M.S. (2007). Reduced central blood volume and cardiac output and increased vascular resistance during static handgrip exercise in postural tachycardia syndrome. *American Journal of Physiology Heart and Circulatory Physiology*, 293(3), 1908–1917.
- Smith, H.M., Farrow, S.J., Ackerman, J.D., Stubbs, J.R., & Sprung, J. (2008). Cardiac arrests associated with hyperkalemia during red blood cell transfusion: a case series. *Anesthesia & Analgesia*, 106(4), 1062–1069.
- Suriano, M.L.F. (2000). Identification of the most frequently nursing diagnoses in the perioperative period of patients undergoing cardiovascular surgery. *Acta Paulista de Enfermagem*, 13(Special number, Part II), 99–104.
- Tirilomis, T., Coskun, O., Schneider, H., & Ruschewski, W. (2009). Mechanical circulatory support for low cardiac output syndrome due to tachyarrhythmia after cardiac surgery in a newborn. *The Heart Surgery Forum*, 12(5), 308–309.
- Towbin, J.A., & Bowler, N.E. (2002). The failing heart. *Nature*, 415, 227–233.
- Volschan, A. (2001). Choque obstrutivo. *Revista da Sociedade de Cardiologia do Estado do Rio de Janeiro*, 14(2), 67–9.
- Von Scheidt, W. (2004). Acute heart failure. *MMW – Fortschritte der Medizin*, 8,146 (15), 36, 39–41.
- World Health Organization & International Society and Federation of Cardiology. (1996). Task force: on the definition and classification of cardiomyopathies. *Circulation*, 93(5), 841–842.
- Worthley, L.I. (2000). Shock: A review of pathophysiology and management – Part I. *Critical Care Resuscitation*, 2(1), 55–65.

Risk for impaired cardiovascular function (00311)

- Agyapong, N. A. F.; Annan, R. A.; Apprey, C. Prevalence of risk factors of cardiovascular diseases among prisoners: a systematic review. *Nutr Food Sci.*, v. 47, n. 6, p.896–906, 2017.
- Álvarez Cosme A. Las tablas de riesgo cardiovascular. Una revisión crítica. *Medifam* mar 2001. 11(3): 122–139
- Álvarez Cosme A. Las tablas de riesgo cardiovascular. Una revisión crítica. *Medifam* mar 2001. 11(3): 122–139
- Alves, J.; Maia, A.; Teixeira, F. Health conditions prior to imprisonment and the impact of prison on health views of detained women. *Qual Health Res.*, v. 26, n. 6, p. 782–792, 2016.
- Arries, E. J.; Maposa, S. Cardiovascular risk factors among prisoners. *J Forensic Nurs.*, v. 9, n. 1, p. 52–64, 2013.
- Baena-Díez JM, Vidal-Solsona M, O. Byram A, González-Casafont I, Ledesma-Ulloa G, Martí-Sans N The Epidemiology of Cardiovascular Disease in Primary Care. The Zona Franca Cohort Study in Barcelona, Spain. *Revista Española de Cardiología (English Edition)* 2010. 63(11): 1261–1269
- Bai, J. R.; Befus, M.; Mukherjee, D. V.; Lowy, F. D.; Larson, E. L. Prevalence and predictors of chronic health conditions of inmates newly admitted to maximum security prisons. *J Correct Health Care*, v. 21, n. 3, p. 255–264, 2015.
- Bautista-Arredondo, S. et al. A cross-sectional study of prisoners in Mexico City comparing prevalence of transmissible infections and chronic diseases with that in the general population. *PLoS ONE*, v. 10, n. 7, p. e0131718, 2015.

- Cabezas-Peña C, Robledo de Dios T, Marqués F, Ortega Sánchez-Pinilla R, Nebot-Adell M, Megido-Badía M J, Muñoz-Seco E, Prados-Castillejo JA y Córdoba-García R. Recomendaciones sobre el estilo de vida. *Aten Primaria*. 2007;39(Supl 3):27–46.
- Clarke, J. G.; Waring, M. E. Overweight, obesity, and weight change among incarcerated women. *J Correct Health Care*, v. 18, n. 4, p. 285–292, 2012.
- Cook, E. A.; Ming, L. Y.; White, B. D.; Gropper, S. S. The diet of inmates: an analysis of a 28-Day cycle menu used in a large county jail in the state of Georgia. *J Correct Health Care*, vol. 21, n. 4, p. 390–399, 2015.
- da Silva, G. P., Lopes, M., Perrelli, J., Guedes, T. G., Lopes, C. T., Manguiera, S. O., & Linhares, F. (2020). Risk for impaired cardiovascular function nursing diagnosis: Content analysis to evaluate women in jail. *International journal of nursing knowledge*, 10.1111/2047–3095.12310. Advance online publication. doi:10.1111/2047–3095.12310
- Donahue, J. Coronary artery disease in offender populations: incarceration as a risk factor and a point of intervention. *J Correct Health Care*, v. 20, n. 4, p. 302–312, 2014.
- Drach, L. L.; Maher, J. E.; Braun, M. J. F.; Murray, S. L.; Sazie, E. Substance use, disordered eating, and weight gain: describing the prevention and treatment needs of incarcerated women. *J Correct Health Care*, v. 22, n. 2, p. 139–145, 2016.
- Duarte-Clíments G, Mauricio TF, Gómez-Salgado J, Moreira RP, Romero-Martín M, Sánchez-Gómez MB. Assessment of Cardiovascular Risk Factors in Young Adults through the Nursing Diagnosis: A Cross-Sectional Study among International University Students. *Healthcare (Basel)*. 2021;9(1):91. Published 2021 Jan 17. doi:10.3390/healthcare9010091
- Escobar-Fritzsche MC y Obreque-Huenchúan A. Departamento de Enfermedades no transmisibles. Implementación del enfoque de riesgo en el Programa de Salud Cardiovascular. Gobierno de Chile. Ministerio de Salud. Subsecretaría de salud pública. División de prevención y control de enfermedades. 2010
- Firth, C. L.; Sazie, E.; Hedberg, K.; Drach, L.; Maher, J. Female inmates with diabetes: results from changes in a prison food environment. *Womens Health Issues*, v. 25, n. 6, p. 732–738, 2015.
- Framingham Heart Study. A project of the national heart, Lung and Blood Institute and Boston University. Disponible en: <http://www.framinghamheartstudy.org/risk/cardiovascular30.html> Consultado el 03/03/2013
- Gamarra-Lousa M, Novo-García C, García-Huerta L, Chicote-Aylagas N, Díez-Sánchez TJ, Echevarría-Zamanillo M, Fraile Caviades, C, Duarte-Clíments G, Guzmán-Fernández, MA, Sánchez-Gómez MB. ¿Son efectivas las intervenciones de enfermería en pacientes dependientes? Revisión sistemática. SACyL. Dirección General de Asistencia Sanitaria. Junta de Castilla y León, Gerencia Regional de Salud, Valladolid 2010. [Consultado el 26/08/2019] Disponible en: <http://www.saludcastillayleon.es/profesionales/es/invesalud/banco-evidencias-cuidados>
- Gates, M. L.; Bradford, R. K. The impact of incarceration on obesity: are prisoners with chronic diseases becoming overweight and obese during their confinement? *Int J Obes*, v. 2015, 2015.
- Gates, M. L.; Staples-Horne, M.; Walker, V.; Turney, A. Substance Use Disorders and Related Health Problems in an Aging Offender Population. *J Health Care Poor Underserved*, v. 28, n. 2 Supplement, p. 132–154, 2017.
- Gebremariam, M. K.; Nianogo, R. A.; Arah, O. A. Weight gain during incarceration: systematic review and meta-analysis. *Obes Rev*, v. 19, p. 98–110, 2018.

- Geitona, M.; Milioni, S. O. Health status and access to health services of female prisoners in Greece: a cross-sectional. *BMC Health Serv Res*, v. 16, p. 243, 2016.
- Grau M, Elosua R, Cabrera de León A, Guembe MJ, Baena-Díez JM, Vega-Alonso T, Félix FJ, Zorrilla B, Rigo F, Lapetra J, Gavrilá D, Segura A, Sanz H, Fernández-Bergés D, Fito M y Marrugat J. Factores de riesgo cardiovascular en España en la primera década del siglo XXI: análisis agrupado con datos individuales de 11 estudios de base poblacional, estudio DARIOS. *Rev Esp Cardiol*. 2011;64(4):295–304
- Gutiérrez-De-Montes S, González-Bustillo M B, Fernández-Ramajo M A. Intervenciones de enfermería eficaces en la adherencia terapéutica de los usuarios. Revisión sistemática. SACyL. Dirección General de Asistencia Sanitaria. Junta de Castilla y León, Gerencia Regional de Salud, Valladolid 2010. [Consultado el 26/08/2019] Disponible en: <http://www.saludcastillayleon.es/profesionales/es/invesalud/banco-evidencias-cuidados>
- Hall, J. E.; Guyton, A. C. Guyton & Hall: Tratado de Fisiología Médica, 13ª ed., Ed. Elsevier, Rio de Janeiro, 2017.
- Herbert, K.; Plugge, E.; Foster, C.; Doll, H. Prevalence of risk factors for non-communicable diseases in prison populations worldwide: a systematic review. *Lancet*, v. 379, n. 9830, p. 1975–82, 2012.
- Herring, N.; Paterson, D. J. Levick's An Introduction to Cardiovascular Physiology, 6ª edición, Ed. crc press, London, 2018.
- Khavjou, O. A.; Clarke, J.; Hofeldt, R. M.; et al. A captive audience Bringing the WISE-WOMAN Program to South Dakota Prisoners. *Womens Health Issues*, v. 17, n. 4, p. 193–201, 2007.
- Lagarigue, A.; Ajana, S.; Capuron, L.; Feàart, C.; Moisan, M-P. Obesity in French Inmates: Gender Differences and Relationship with Mood, Eating Behavior and Physical Activity. *PLoS ONE*, v. 12, n. 1, e0170413, 2017.
- Leddy, M. A.; Schulkin, J.; Power, M. L. Consequences of High Incarceration Rate and High Obesity Prevalence on the Prison System. *J Correct Health Care*, v. 15, n. 4, p. 318–327, 2009.
- Leigey, M. E.; Johnston, M. E. The prevalence of overweight and obesity among aging female inmates. *J Correct Health Care*, v. 21, n. 3, p. 276–285, 2015.
- Maiques-Galán A, Villar-Álvarez F, Brotons-Cuixart C, Torcal-Laguna J, Orozco-Beltrán D, Navarro-Pérez J, Lobos-Bejarano JM, Banegas-Banegas JR, Ortega Sánchez-Pinilla R, Gil-Guillén V y Solana-Saura P. Recomendaciones preventivas cardiovasculares. *Aten Primaria*. 2007;39(Supl 3):15–26
- Maton A. Human Biology and Health. Englewood Cliffs, New Jersey: Prentice Hall 1993. [Consultado el 01/02/2012] Disponible en http://es.wikipedia.org/wiki/Enfermedades_cardiovasculares
- Mukhtar, S.; Mahmood, A.; Faisal, A.; Ejaz, S.; Khatoon, F. Prevalence of risk factors of noncommunicable diseases amongst female prisoners of Pakistan. *J Pharm Biol Sci*, v. 5, n. 2, p. 43–48, 2013.
- Nara, K.; Igarashi, M. Relationship Serum Lipids of Prison Life Style to Blood Pressure, and Obesity in Women Prisoners in Japan. *Ind Health*, v. 36, n. 1, p. 1–7, 1998.
- O'Donnell CJ y Elosua R. Prevención cardiovascular (I). Factores de riesgo cardiovascular. Perspectivas derivadas del Framingham Heart Study. *Rev Esp Cardiol*. 2008;61(3):299–310
- Pérez-Alonso J, Ballesteros-Álvaro AM, González-Esteban MP, Delgado-González E, Aragón-Posadas R, Mediavilla-Marcos ME. ¿Qué intervenciones no farmacológicas son efectivas en el control de la H.T.A. esencial del adulto en Atención Primaria?

- Revisión sistemática. SACyL. Dirección General de Asistencia Sanitaria. Junta de Castilla y León, Gerencia Regional de Salud, Valladolid 2010. [Consultado el 26/08/2019] Disponible en: <http://www.saludcastillayleon.es/profesionales/es/invesalud/banco-evidencias-cuidados>
- Perk J, et al. European Guidelines on cardiovascular disease. Prevention in clinical practice (version 2012). *European Heart Journal* (2012) 33, 1635–1701. doi:10.1093/eurheartj/ehs092
- Plugge, E. H.; Foster, C. E.; Yudkin, P. L.; Douglas, N. Cardiovascular disease risk factors and women prisoners in the UK: the impact of imprisonment. *Health Promot Int*, v. 24, n. 4, p.334–343, 2009.
- Ritter, C.; Stöver, H.; Levy, M.; Etter, J. F.; Elger, B. Smoking in prisons: The need for effective and acceptable interventions. *J Public Health Policy*, v. 32, n. 1, p. 32–45, 2011.
- Sacramento-Pacheco J, Duarte-Clíments G, Gómez-Salgado J, Romero-Martín M, Sánchez-Gómez MB. Cardiovascular risk assessment tools: A scoping review. *Aust Crit Care*. 2019 Jan 17. pii: S1036–7314(18)30009–2. doi:10.1016/j.aucc.2018.09.008
- Silva, Gabrielle Pessôa da, Morais, Sheila Coelho Ramalho Vasconcelos, Frazão, Cecília Maria Farias de Queiroz, Lopes, Camila Takáo, Manguiera, Suzana de Oliveira, & Linhares, Francisca Márcia Pereira. (2020). Cardiovascular risk factors in people deprived of their liberty: an integrative review. *Revista Gaúcha de Enfermagem*, 41, e20190357. Epub June 12, 2020.10.1590/1983–1447.2020.20190357
- Tapia-Valero C; Novo-García; Hernández-Pedraza; Sánchez-Gómez M B; Duarte-Clíments G Las enfermeras mejoran la salud de los pacientes crónicos. Revisión sistemática. SACyL. Dirección General de Asistencia Sanitaria. Junta de Castilla y León, Gerencia Regional de Salud, Valladolid 2010. [Consultado el 26/08/2019] Disponible en: <http://www.saludcastillayleon.es/profesionales/es/invesalud/banco-evidencias-cuidados>
- Vera-Remartínez E. J.; Borraz-Fernández, J. R.; Domínguez-Zamorano, J. Á. et al. Prevalencia de patologías crónicas y factores de riesgo en población penitenciaria española. *Rev. esp. sanid. Penit.*, v. 16, n. 2, p. 38–47, 2014.
- Vera-Remartínez, E. J.; Monge, R. L.; Chinesta, S. G.; Rodríguez, D. S. A.; Ramos, M. V. P. Factores de riesgo cardiovascular en adultos jóvenes de un centro penitenciario. *Rev Esp Salud Pública*, v. 92, p. 1–12, 2018.
- Villar Álvarez F, Banegas Banegas JR, Donado CJ, Rodríguez-Artalejo F. Las enfermedades cardiovasculares y sus factores de riesgo: hechos y cifras. Informe de la Sociedad Española de Arteriosclerosis 2007. [citado el 26 de Agosto de 2019* Disponible en: <http://www.searteriosclerosis.org/arxiu/upload/informe-sea-20071.pdf>
- Wolff, N.; Shi, J.; Fabrikant, N.; Schumann, B. E. Obesity and weight-related medical problems of incarcerated persons with and without mental disorders. *J Correct Health Care*, v. 18, n. 3, p. 219–232, 2012.

Ineffective lymphedema self-management (00278)

- Akita, S., Nakamura, R., Yamamoto, N., Tokumoto, H., Ishigaki, T., Yamaji, Y., Sashihara, Y., Kubota, Y., Mitsukawa, N., & Satoh, K. (2016). Early Detection of Lymphatic Disorder and Treatment for Lymphedema following Breast Cancer. *Plastic and Reconstructive Surgery*, 138(2), 192e–202e.
- Armer, J.M., Hulett, J.M., Bernas, M., Ostby, P., Stewart, B.R., Cormier, J.N. (2013). Best Practice Guidelines in Assessment, Risk Reduction, Management, and Surveil-

- lance for Post-Breast Cancer Lymphedema. *Curr Breast Cancer Reports*, 5(2), 134–144. doi:10.1007/s12609-013-0105-0.
- Basta, M.N., Fox, J.P., Kanchwala, S.K., Wu, L.C., Serlett, I.J.M., Kovach, S.J., Fosnot, J., & Fischer, J.P. (2016). Complicated breast cancer-related lymphedema: evaluating health care resource utilization and associated Surgery. *American Journal of Surgery*, 211(1), 133–41.
- Bodenheimer, T. (2002). Patient Self-management of Chronic Disease in Primary Care. *JAMA*, 288(19), 2469. doi:10.1001/jama.288.19.2469
- Champion, V., Skinner, C.S. (2008). The Health Belief Model. In: Glanz K, Rimer B, Viswanath K, editors. *Health behavior and health education*. 4. San Francisco, CA: Jossey-Bass. pp. 45–65.
- Cheifetz, O., & Haley, L., (2010). Management of secondary lymphedema related to breast cancer. *Canadian Family Physician*, 56, 1277–1284.
- Choi, J.K., Kim, H.D., & Jeong, H.J. (2015). A Survey of the status of awareness of lymphedema in breast cancer patients in Busan-Gyeongnam, Korea. *Annals of Rehabilitation Medicine*, 39(4): 609–615.
- Davies, N. J. (2010). Improving self-management for patients with long-term conditions. *Nursing Standard*, 24(25), 49–56. doi:10.7748/ns2010.02.24.25.49.c7562.
- Demirkıran, F., Balkaya, N.A., Memis, S., Türk, G., Ozvurmaz, S., & Tunçyurek, P. (2007). How do nurses and teachers perform breast self-examination: are they reliable sources of information? *BMC Public Health*, 7 (1): 96.
- Demirkıran, F., Ozgun, H., Eskin, M., Türk, G., Çam, R., Demirkıran, A.E. (2011) Cognition of breast cancer among gestational age Turkish women: a cross-sectional study. *Asian Pasific Journal of Cancer Prevention*, 12, 277–282
- Dwarswaard, J., Bakker, E. J., van Staa, A., & Boeije, H. R. (2016). Self-management support from the perspective of patients with a chronic condition: a thematic synthesis of qualitative studies. *Health Expectations*, 19(2), 194–208.
- Fife, C.E., Farrow, W., Hebert, A., Armer, N.C., Stewart, R., Cormier, J.N., & Armer, J. M. (2017). Skin and Wound Care in Lymphedema Patients: A Taxonomy, Primer, and Literature Review. *Advances in Skin & Wound Care*, 30(7): 305–318.
- Finnane, A., Janda, M., Hayes, S.C. (2015). Review of the Evidence of Lymphedema Treatment Effect. *American Journal of Physical Medicine & Rehabilitation*, 94(6), 483–98.
- Fu, M. R., Axelrod, D., Guth, A. A., Cartwright, F., Qiu, Z., Goldberg, J. D., Kim, J., Scagliola, J., Kleinman, R., & Haber, J. (2014). Proactive approach to lymphedema risk reduction: a prospective study. *Annals of surgical oncology*, 21(11), 3481–3489. doi:10.1245/s10434-014-3761-z
- Fu, M.R., Deng, J., & Armer, J.M. (2014). Putting evidence into practice: cancer-related lymphedema. *Clinical Journal of Oncology Nursing*, 18 Suppl, 68–79.
- Jolly, K., Majothi, S., Sitch, A. J., Heneghan, N. R., Riley, R. D., Moore, D. J., Bates, E. J., Turner, A. M., Bayliss, S. E., Price, M. J., Singh, S. J., Adab, P., Fitzmaurice, D. A., & Jordan, R. E. (2016). Self-management of health care behaviors for COPD: a systematic review and meta-analysis. *International journal of chronic obstructive pulmonary disease*, 11, 305–326. doi:10.2147/COPD.S90812
- Kim, D.S., Sim, Y.J., Jeong, H.J., & Kim, G.C. (2010). Effect of Active Resistive Exercise on Breast Cancer-Related Lymphedema: A Randomized Controlled Trial. *Archives of Physical Medicine and Rehabilitation*, 91(12), 1844–8.
- Kwan, M.L., Shen, L., Munneke, J.R., Tam, E.K., Partee, P.N., André, M., Kutner, S.E., Somkin, C.P., Ackerson, L.M., Thiadens, S.R. (2012). Patient awareness and knowl-

- edge of breast cancer-related lymphedema in a large, integrated health care delivery system. *Breast Cancer Research and Treatment*, 135(2): 591–602.
- Mak, S.S., Mo, K.F., Suen, J.J., Chan, S.L., Ma, W.L., & Yeo, W. (2009). Lymphedema and quality of life in Chinese women after treatment for breast cancer. *European Journal of Oncology Nursing*, 13(2), 110–5.
- Menezes, M.M., Bello, M.A., Millen, E., Lucas, F.A., Carvalho, F.N., Andrade, M.F., Pereira, A.C., Koifman, R.J., & Bergmann, A. (2016). Breast reconstruction and risk of lymphedema after mastectomy: A prospective cohort study with 10 years of follow-up. *Journal of Plastic Reconstructive & Aesthetic Surgery*, 69(9), 1218–26.
- Morgan, H. M., Entwistle, V. A., Cribb, A., Christmas, S., Owens, J., Skea, Z. C., & Watt, I. S. (2017). We need to talk about purpose: a critical interpretive synthesis of health and social care professionals' approaches to self-management support for people with long-term conditions. *Health Expectations*, 20(2), 243–259.
- Oncology Nurse Advisor (2010). Lymphedema: A challenge for caregivers, a burden to patients. http://media.oncologynurseadvisor.com/documents/15/pdf_of_lymphedema_0710_3545.pdf (accessed October 21, 2016)
- Ozturk, C.N., Ozturk, C., Glasgow, M., Platek, M., Ashary, Z., Kuhn, J., Aronoff, N., Lohman, R., Djohan, R., & Gurunluoglu, R. (2016). Free vascularized lymph node transfer for treatment of lymphedema: A systematic evidence based review. *Journal of Plastic Reconstructive & Aesthetic Surgery*, 69(9), 1234–1247.
- Pasko, J.L., Garreau, J., Carl, A., Ansteth, M., Glissmeyer, M., & Johnson, N. (2015). Axillary reverse lymphatic mapping reduces patient perceived incidence of lymphedema after axillary dissection in breast cancer. *American Journal of Surgery*, 209(5), 890–5.
- Patricolo, G.E., Armstrong, K., Riutta, J., & Lanni, T. (2015). Lymphedema care for the breast cancer patient: an integrative approach. *Breast*, 24(1), 82–5.
- Pender, N.J. (2011). *Health Promotion Model Manual*. Michigan, United State: University of Michigan. Available from: [https://deepblue.lib.umich.edu/bitstream/handle/2027.42/85350/HEALTH_PROMOTION_MANUAL_Rev_5-2011.pdf.]
- Rogan, S., Taeymans, J., Luginbuehl, H., Aebi, M., Mahnig, S., & Gebruers N. (2016). Therapy modalities to reduce lymphoedema in female breast cancer patients: a systematic review and meta-analysis. *Breast Cancer Research and Treatment*, 159(1), 1–14.
- Shah, C., Arthur, D.W., Wazer, D., Khan, A., Ridner, S., & Vicini, F. (2016). The impact of early detection and intervention of breast cancer-related lymphedema: a systematic review. *Cancer Medicine*, 5(6), 1154–62.
- Shi, S., Lu, Q., Fu, M.R., Ouyang, Q., Liu, C., Lv, J., & Wang, Y. (2016). Psychometric properties of the Breast Cancer and Lymphedema Symptom Experience Index: The Chinese version. *European Journal of Oncology Nursing*, 20, 10–16.
- Simmons, H.M. (2015). Preoperative Lymphedema Education for Breast Cancer Patients. *Nursing & Health*, 3(3): 69–83.
- Taghian, N.R., Miller, C.L., Jammallo, L.S., O'Toole, J., & Skolny, M.N. (2014). Lymphedema following breast cancer treatment and impact on quality of life: a review. *Critical Reviews in Oncology/ Hematology*, 92(3), 227–34.
- Tjalma, W., Verbelen, H., & Gebruers, N. (2016). The role of an ARM procedure in the prevention of breast cancer related lymphedema. *European Journal of Surgical Oncology*, 42(1), 151–2.

- Tolu, S., & Basim, P. (2020). Awareness of lymphedema risk management behaviors and associated factors among breast cancer survivors: Results from a cross-sectional survey. *Annals of Medical Research*, 27(1): 97–104.
- Türk, G. (2002). The effect of the exercises on prevention of lymphedema after the mastectomy. Master Thesis
- Türk, G., & Atalay, M. (2007) The effect of the exercises on prevention of arm edema after the mastectomy. *The Journal of Breast Health*, 3(3):143–149.
- Türk, G., & Khorshid, L. (2011). The complete decongestive therapy in lymphedema management developing in relation with mastectomy. *The Journal of Breast Health*, 7(2), 96–100.
- Uğur, S., Arıcı, C., Yaprak, M., Mesci, A., Arıcı, G.A., Dolay, K., & Özmen, V. (2013). Risk Factors of Breast Cancer-Related Lymphedema. *Lymphatic Research and Biology*, 11(2), 72–75.
- Wanchai, A., Armer, J.M., Stewart, B.R., & Lasinski, B.B. (2016). Breast-cancer related lymphedema: a literature review for clinical practice. *International Journal of Nursing Sciences*, 33(2), 202–207.

Risk for ineffective lymphedema self-management (00281)

- Akita, S., Nakamura, R., Yamamoto, N., Tokumoto, H., Ishigaki, T., Yamaji, Y., Sashihara, Y., Kubota, Y., Mitsukawa, N., & Satoh, K. (2016). Early Detection of Lymphatic Disorder and Treatment for Lymphedema following Breast Cancer. *Plastic and Reconstructive Surgery*, 138(2), 192e–202e.
- Armer, J.M., Hulett, J.M., Bernas, M., Ostby, P., Stewart, B.R., Cormier, J.N. (2013). Best Practice Guidelines in Assessment, Risk Reduction, Management, and Surveillance for Post-Breast Cancer Lymphedema. *Curr Breast Cancer Reports*, 5(2), 134–144. doi:10.1007/s12609–013–0105–0.
- Basta, M.N., Fox, J.P., Kanchwala, S.K., Wu, L.C., Serlett, I.J.M., Kovach, S.J., Fosnot, J., & Fischer, J.P. (2016). Complicated breast cancer-related lymphedema: evaluating health care resource utilization and associated Surgery, *American Journal of Surgery*, 211(1), 133–41.
- Bodenheimer, T. (2002). Patient Self-management of Chronic Disease in Primary Care. *JAMA*, 288(19), 2469. doi:10.1001/jama.288.19.2469
- Champion, V., Skinner, C.S. (2008). The Health Belief Model. In: Glanz K, Rimer B, Viswanath K, editors. *Health behavior and health education*. 4. San Francisco, CA: Jossey-Bass. pp. 45–65.
- Cheifetz, O., & Haley, L., (2010). Management of secondary lymphedema related to breast cancer. *Canadian Family Physician*, 56, 1277–1284.
- Choi, J.K., Kim, H.D., & Jeong, H.J. (2015). A Survey of the status of awareness of lymphedema in breast cancer patients in Busan-Gyeongnam, Korea. *Annals of Rehabilitation Medicine*, 39(4): 609–615.
- Davies, N. J. (2010). Improving self-management for patients with long-term conditions. *Nursing Standard*, 24(25), 49–56. doi:10.7748/ns2010.02.24.25.49.c7562.
- Demirkıran, F., Balkaya, N.A., Memis, S., Türk, G., Ozvurmaz, S., & Tunçyurek, P. (2007). How do nurses and teachers perform breast self-examination: are they reliable sources of information? *BMC Public Health*, 7 (1): 96.
- Demirkıran, F., Ozgun, H., Eskin, M., Türk, G., Çam, R., Demirkıran, A.E. (2011) Cognition of breast cancer among gestational age Turkish women: a cross-sectional study. *Asian Pasific Journal of Cancer Prevention*, 12, 277–282

- Dwarswaard, J., Bakker, E. J., van Staa, A., & Boeije, H. R. (2016). Self-management support from the perspective of patients with a chronic condition: a thematic synthesis of qualitative studies. *Health Expectations*, 19(2), 194–208.
- Fife, C.E., Farrow, W., Hebert, A., Armer, N.C., Stewart, R., Cormier, J.N., & Armer, J. M. (2017). Skin and Wound Care in Lymphedema Patients: A Taxonomy, Primer, and Literature Review. *Advances in Skin & Wound Care*, 30(7): 305–318.
- Finnane, A., Janda, M., Hayes, S.C. (2015). Review of the Evidence of Lymphedema Treatment Effect. *American Journal of Physical Medicine & Rehabilitation*, 94(6), 483–98.
- Fu, M. R., Axelrod, D., Guth, A. A., Cartwright, F., Qiu, Z., Goldberg, J. D., Kim, J., Scagliola, J., Kleinman, R., & Haber, J. (2014). Proactive approach to lymphedema risk reduction: a prospective study. *Annals of surgical oncology*, 21(11), 3481–3489. doi:10.1245/s10434-014-3761-z
- Fu, M.R., Deng, J., & Armer, J.M. (2014). Putting evidence into practice: cancer-related lymphedema. *Clinical Journal of Oncology Nursing*, 18 Suppl, 68–79.
- Jolly, K., Majothi, S., Sitch, A. J., Heneghan, N. R., Riley, R. D., Moore, D. J., Bates, E. J., Turner, A. M., Bayliss, S. E., Price, M. J., Singh, S. J., Adab, P., Fitzmaurice, D. A., & Jordan, R. E. (2016). Self-management of health care behaviors for COPD: a systematic review and meta-analysis. *International journal of chronic obstructive pulmonary disease*, 11, 305–326. doi:10.2147/COPD.S90812
- Kim, D.S., Sim, Y.J., Jeong, H.J., & Kim, G.C. (2010). Effect of Active Resistive Exercise on Breast Cancer-Related Lymphedema: A Randomized Controlled Trial. *Archives of Physical Medicine and Rehabilitation*, 91(12), 1844–8.
- Kwan, M.L., Shen, L., Munneke, J.R., Tam, E.K., Partee, P.N., André, M., Kutner, S.E., Somkin, C.P., Ackerson, L.M., Thiadens, S.R. (2012). Patient awareness and knowledge of breast cancer-related lymphedema in a large, integrated health care delivery system. *Breast Cancer Research and Treatment*, 135(2): 591–602.
- Mak, S.S., Mo, K.F., Suen, J.J., Chan, S.L., Ma, W.L., & Yeo, W. (2009). Lymphedema and quality of life in Chinese women after treatment for breast cancer. *European Journal of Oncology Nursing*, 13(2), 110–5.
- Menezes, M.M., Bello, M.A., Millen, E., Lucas, F.A., Carvalho, F.N., Andrade, M.F., Pereira, A.C., Koifman, R.J., & Bergmann, A. (2016). Breast reconstruction and risk of lymphedema after mastectomy: A prospective cohort study with 10 years of follow-up. *Journal of Plastic Reconstructive & Aesthetic Surgery*, 69(9), 1218–26.
- Morgan, H. M., Entwistle, V. A., Cribb, A., Christmas, S., Owens, J., Skea, Z. C., & Watt, I. S. (2017). We need to talk about purpose: a critical interpretive synthesis of health and social care professionals' approaches to self-management support for people with long-term conditions. *Health Expectations*, 20(2), 243–259.
- Oncology Nurse Advisor (2010). Lymphedema: A challenge for caregivers, a burden to patients. http://media.oncologynurseadvisor.com/documents/15/pdf_of_lymphedema_0710_3545.pdf (accessed October 21, 2016)
- Ozturk, C.N., Ozturk, C., Glasgow, M., Platek, M., Ashary, Z., Kuhn, J., Aronoff, N., Lohman, R., Djohan, R., & Gurunluoglu, R. (2016). Free vascularized lymph node transfer for treatment of lymphedema: A systematic evidence based review. *Journal of Plastic Reconstructive & Aesthetic Surgery*, 69(9), 1234–1247.
- Pasko, J.L., Garreau, J., Carl, A., Ansteth, M., Glissmeyer, M., & Johnson, N. (2015). Axillary reverse lymphatic mapping reduces patient perceived incidence of lymphedema after axillary dissection in breast cancer. *American Journal of Surgery*, 209(5), 890–5.

- Patricolo, G.E., Armstrong, K., Riutta, J., & Lanni, T. (2015). Lymphedema care for the breast cancer patient: an integrative approach. *Breast*, 24(1), 82–5.
- Pender, N.J. (2011). *Heath Promotion Model Manual*. Michigan, United State: University of Michigan. Available from: [https://deepblue.lib.umich.edu/bitstream/handle/2027.42/85350/HEALTH_PROMOTION_MANUAL_Rev_5-2011.pdf.]
- Rogan, S., Taeymans, J., Luginbuehl, H., Aebi, M., Mahnig, S., & Gebruers N. (2016). Therapy modalities to reduce lymphoedema in female breast cancer patients: a systematic review and meta-analysis. *Breast Cancer Research and Treatment*, 159(1), 1–14.
- Shah, C., Arthur, D.W., Wazer, D., Khan, A., Ridner, S., & Vicini, F. (2016). The impact of early detection and intervention of breast cancer-related lymphedema: a systematic review. *Cancer Medicine*, 5(6), 1154–62.
- Shi, S., Lu, Q., Fu, M.R., Ouyang, Q., Liu, C., Lv, J., & Wang, Y. (2016). Psychometric properties of the Breast Cancer and Lymphedema Symptom Experience Index: The Chinese version. *European Journal of Oncology Nursing*, 20, 10–16.
- Simmons, H.M. (2015). Preoperative Lymphedema Education for Breast Cancer Patients. *Nursing & Health*, 3(3): 69–83.
- Taghian, N.R., Miller, C.L., Jammallo, L.S., O'Toole, J., & Skolny, M.N. (2014). Lymphedema following breast cancer treatment and impact on quality of life: a review. *Critical Reviews in Oncology/ Hematology*, 92(3), 227–34.
- Tjalma, W., Verbelen, H., & Gebruers, N. (2016). The role of an ARM procedure in the prevention of breast cancer related lymphedema. *European Journal of Surgical Oncology*, 42(1), 151–2.
- Tolu, S., & Basim, P. (2020). Awareness of lymphedema risk management behaviors and associated factors among breast cancer survivors: Results from a cross-sectional survey. *Annals of Medical Research*, 27(1): 97–104.
- Türk, G. (2002). The effect of the exercises on prevention of lymphedema after the mastectomy. Master Thesis
- Türk, G., & Atalay, M. (2007) The effect of the exercises on prevention of arm edema after the mastectomy. *The Journal of Breast Health*, 3(3):143–149.
- Türk, G., & Khorshid, L. (2011). The complete decongestive therapy in lymphedema management developing in relation with mastectomy. *The Journal of Breast Health*, 7(2), 96–100.
- Uğur, S., Arıcı, C., Yaprak, M., Mesci, A., Arıcı, G.A., Dolay, K., & Özmen, V. (2013). Risk Factors of Breast Cancer-Related Lymphedema. *Lymphatic Research and Biology*, 11(2), 72–75.
- Wanchai, A., Armer, J.M., Stewart, B.R., & Lasinski, B.B. (2016). Breast-cancer related lymphedema: a literature review for clinical practice. *International Journal of Nursing Sciences*, 33(2), 202–207.

Impaired spontaneous ventilation (00033)

None at this time.

Risk for unstable blood pressure (00267)

Blum K. Heart failure: Management of acute decompensation of heart failure. In: Morton PG, Fontaine DK, eds. *Critical care nursing: a holistic approach*. 10th ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2013:404–407

- Bradley EG. Nursing management: Hypertension (Chapter 33). In: Lewis S. L., Dirksen S. R., Heitkemper M. M., Bucher L., Camera I. M., eds. *Medical-surgical nursing: Assessment and management of clinical problems*. 8th ed. US: Elsevier Mosby; 2011
- Bucher L. Nursing management: Dysrhythmias (Chapter 36). In: Lewis S. L., Dirksen S. R., Heitkemper M. M., Bucher L., Camera I. M., eds. *Medical-surgical nursing: Assessment and management of clinical problems*. 8th ed. USA: Elsevier Mosby; 2011
- Burnier M, Wuerzner G, Struijker-Boudier H, Urquhart J. Measuring, analyzing, and managing drug adherence in resistant hypertension. *Hypertension*. 2013; 62(2):218–225
- Chatterjee NA, Fifer M. Heart Failure. In: Lilly L, ed. *Pathophysiology of heart disease: a collaborative project of medical students and faculty*. 5th ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2011: 224–242
- Freeman R, Chapeau MW. Testing the autonomic nervous system. *Handb Clin Neurol*. 2013; 115:115–136
- Frith J, Reeve P, Newton JL. Length of time required to achieve a stable baseline blood pressure in the diagnosis of orthostatic hypotension. *J Am Geriatr Soc*. 2013; 61(8): 1414–1415
- Grossman E, Messerli FH. Rare and unusual forms of hypertension (Chapter 12). In: Black H. R, Elliot W. J, eds. *Hypertension: A companion to Braunwald's heart disease*. 2nd ed. China: Elsevier-Saunders; 2013
- Haarman EG, Vermeulen RJ, van Furth AM, Verbeke JI, Plötz FB. Cushing's triad in pneumococcal meningitis due to brainstem ischemia: early detection by diffusion-weighted MRI. *Pediatr Neurol*. 2008; 38(4):276–278
- Knapp JM. Hyperosmolar therapy in the treatment of severe head injury in children: mannitol and hypertonic saline. *AACN Clin Issues*. 2005; 16(2):199–211
- Lee C, Williams G, Lilly L. Hypertension. In: Lilly L, ed. *Pathophysiology of heart disease: a collaborative project of medical students and faculty*. 5th ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2011
- Lindop GBM, McPhaden AR, Dargie HJ. The cardiovascular system: Shock. In: Levison D.A., Reid R., Burt A.D., Harrison D.J., Fleming S, eds. *Muir's textbook of pathophysiology* (14th ed.). London, UK: Edward Arnold Publishers; 2008: 128–131
- Morton PG, Reck K, Hamel J, Walther AS, Von Rueden KT, Headly JM. Patient assessment: Cardiovascular system. In Morton, P.G. & Fontaine, D.K, eds. *Critical care nursing: a holistic approach*. 10th ed. Philadelphia, PA :Lippincott Williams & Wilkins; 2013: 267–269
- Rhee J-W, Sabatine M, Lilly L. Acute coronary syndromes: Cardiogenic shock. In Lilly, L. (ed.) *Pathophysiology of heart disease: a collaborative project of medical students and faculty*. 5th ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2011: 185–186
- Saccò M, Meschi M, Regolisti G, et al. The relationship between blood pressure and pain. *J Clin Hypertens* (Greenwich). 2013; 15(8):600–605
- Sue CC, Apple S. Common cardiovascular disorders: Hypertensive crisis. In: Morton P. G, Fontaine D.K, eds. *Critical care nursing: a holistic approach*. 10th ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2013: 387388
- Van Buren PN, Toto RD. The pathogenesis and management of hypertension in diabetic kidney disease. *Med Clin North Am*. 2013; 97(1):31–51
- Wynne AL, Woo TM, Olyaei AJ. Drugs affecting the cardiovascular and renal systems (Chapter 16). In *Pharmacotherapeutics for nurse practitioner prescribers*. 2nd ed. F. A. Davis: USA;2007:243–308

Risk for thrombosis (00291)

- Anderson JA, Hogg KE, Weitz JI. Hypercoagulable States. In: Hematology [Internet]. Elsevier; 2018 [cited 2020 Feb 15]. p. 2076–87. Available from: <https://linkinghub.elsevier.com/retrieve/pii/B9780323357623001402>
- Annema W, von Eckardstein A, Kovanen PT. HDL and Atherothrombotic Vascular Disease. In: von Eckardstein A, Kardassis D, editors. High Density Lipoproteins [Internet]. Cham: Springer International Publishing; 2015 [cited 2020 Feb 15]. p. 369–403. Available from: http://link.springer.com/10.1007/978-3-319-09665-0_11
- Asada Y, Yamashita A, Sato Y, Hatakeyama K. Thrombus Formation and Propagation in the Onset of Cardiovascular Events. *J Atheroscler Thromb*. 2018 Aug 1;25(8):653–64.
- Ashorobi, D., & Fernandez, R. (2020). Thrombosis. In StatPearls. StatPearls Publishing. <http://www.ncbi.nlm.nih.gov/books/NBK538430/>
- Badimon L, Vilahur G. Thrombosis formation on atherosclerotic lesions and plaque rupture. *J Intern Med*. 2014 Dec;276(6):618–32.
- Bourdeanu L, Luu T. Arterial thrombosis associated with adjuvant chemotherapy for breast cancer: A case report. *Journal of the American Academy of Nurse Practitioners*. 2010 Mar;22(3):140–3.
- Cervera R. Antiphospholipid syndrome. *Thrombosis Research*. 2017 Mar;151:S43–7.
- Chan WS, Chunilal SD, Ginsberg JS. Antithrombotic therapy during pregnancy. *Seminars in Perinatology*. 2001 Jun;25(3):165–9.
- Chopra, V., Anand, S., Hickner, A., Buist, M., Rogers, M. A., Saint, S., & Flanders, S. A. (2013). Risk of venous thromboembolism associated with peripherally inserted central catheters: a systematic review and meta-analysis. *Lancet* (London, England), 382(9889), 311–325. doi:10.1016/S0140-6736(13)60592-9
- Crous-Bou M, Harrington LB, Kabrhel C. Environmental and Genetic Risk Factors Associated With Venous Thromboembolism. *Semin Thromb Hemost*. 2016 Nov;42(8):808–820. doi:10.1055/s-0036-1592333. Epub 2016 Oct 20.
- Di Minno G, Spadarella G, Cafaro G, Petitto M, Lupoli R, Di Minno A, et al. Systematic reviews and meta-analyses for more profitable strategies in peripheral artery disease. *Annals of Medicine*. 2014 Nov;46(7):475–89.
- Eikelboom JW, Weitz JI. Acute Coronary Syndromes. In: Hematology [Internet]. Elsevier; 2018 [cited 2020 Feb 15]. p. 2142–2151.e2. Available from: <https://linkinghub.elsevier.com/retrieve/pii/B9780323357623001463>
- Feinbloom D. Periprocedural management of antithrombotic therapy in hospitalized patients: Antithrombotic Therapy Management. *J Hosp Med*. 2014 May;9(5):337–46.
- Fredenburgh JC, Weitz JI. Overview of Hemostasis and Thrombosis. In: Hematology [Internet]. Elsevier; 2018 [cited 2020 Feb 15]. p. 1831–42. Available from: <https://linkinghub.elsevier.com/retrieve/pii/B9780323357623001220>
- Findlay, J., Keogh, M., & Cooper, L. (2010). Venous thromboembolism prophylaxis: the role of the nurse. *British Journal of Nursing*, 19(16), 1028–1032. doi:10.12968/bjon.2010.19.16.78190
- Funke A, Danowski A, Andrade DCO de, Rêgo J, Levy RA. The importance of recognizing antiphospholipid syndrome in vascular medicine. *J vasc bras*. 2017 Jun;16(2):140–9.
- Gimbrone MA, García-Cardena G. Endothelial Cell Dysfunction and the Pathobiology of Atherosclerosis. *Circ Res*. 2016 Feb 19;118(4):620–36.

- Gorog DA, Fayad ZA, Fuster V. Arterial Thrombus Stability. *Journal of the American College of Cardiology*. 2017 Oct;70(16):2036–47.
- Heit JA. Epidemiology of Venous Thromboembolism. *Nat Rev Cardiol*. 2015 Aug;12(8):464–74. Doi: 10.1038/nrcardio.2015.83. Epub 2015 Jun 16.
- James AH, Grotegut CA, Brancazio LR, Brown H. Thromboembolism in Pregnancy: Recurrence and Its Prevention. *Seminars in Perinatology*. 2007 Jun;31(3):167–75.
- Kaur R, Kaur M, Singh J. Endothelial dysfunction and platelet hyperactivity in type 2 diabetes mellitus: molecular insights and therapeutic strategies. *Cardiovasc Diabetol*. 2018 Dec;17(1):121.
- Kim K-J, Baek I-W, Park K-S, Kim W-U, Cho C-S. Association between antiphospholipid antibodies and arterial thrombosis in patients with rheumatoid arthritis. *Lupus*. 2017 Jan;26(1):88–94.
- Kleinfeldt T, Nienaber CA, Kische S, Akin I, Turan RG, Körber T, et al. Cardiac manifestation of the hypereosinophilic syndrome: new insights. *Clin Res Cardiol*. 2010 Jul;99(7):419–27.
- Krishna S, Moxon J, Golledge J. A Review of the Pathophysiology and Potential Biomarkers for Peripheral Artery Disease. *IJMS*. 2015 May 18;16(12):11294–322.
- Kurdee Z, King R, Ajjan RA. The fibrin network in diabetes: its role in thrombosis risk. *Polish Archives of Internal Medicine*. 2014 Nov 7;124(11):617–27.
- Libby P, Buring JE, Badimon L, Hansson GK, Deanfield J, Bittencourt MS, et al. Atherosclerosis. *Nat Rev Dis Primers*. 2019 Aug 16;5(1):56.
- Lip GYH, Lane DA. Stroke prevention in atrial fibrillation: a systematic review. *JAMA*. 2015 May 19;313(19):1950–62.
- Lippi G, Favaloro E. Venous and Arterial Thromboses: Two Sides of the Same Coin? *Semin Thromb Hemost*. 2018 Apr;44(03):239–48.
- Lowe GDO. Common risk factors for both arterial and venous thrombosis. *Br J Haematol*. 2008 Mar;140(5):488–95.
- Lyaker MR, Tulman DB, Dimitrova GT, Pin RH, Papadimos TJ. Arterial embolism. *Int J Crit Illn Inj Sci*. 2013 Jan;3(1):77–87.
- McGrath E, Canavan M, O'Donnell M. Stroke. In: *Hematology* [Internet]. Elsevier; 2018 [cited 2020 Feb 15]. p. 2133–41. Available from: <https://linkinghub.elsevier.com/retrieve/pii/B9780323357623001451>
- Mezhov V, Segan JD, Tran H, Cicuttini FM. Antiphospholipid syndrome: a clinical review. *Medical Journal of Australia*. 2019 Aug;211(4):184–8.
- Mocarzel LOC, Lanzieri PG, Montes RA, Gismondi RAOC, Mesquita CT. Systemic Lupus Erythematosus: Review of Cardiovascular Aspects. *International Journal of Cardiovascular Sciences* [Internet]. 2015 [cited 2020 Feb 15];28(3). Available from: <http://www.gnresearch.org/doi/10.5935/2359-4802.20150037>
- Murphy AJ, Tall AR. Disordered haematopoiesis and athero-thrombosis. *Eur Heart J*. 2016 Apr 7;37(14):1113–21.
- O'Donnell M, Shatzel JJ, Olson SR, Daughety MM, Nguyen KP, Hum J, et al. Arterial thrombosis in unusual sites: A practical review. *Eur J Haematol*. 2018 Dec;101(6):728–36.
- Ogbogu PU, Rosing DR, Horne MK. Cardiovascular manifestations of hypereosinophilic syndromes. *Immunol Allergy Clin North Am*. 2007 Aug;27(3):457–75.
- Oren O, Herrmann J. Arterial events in cancer patients—the case of acute coronary thrombosis. *J Thorac Dis*. 2018 Dec;10(S35):S4367–85.

- Pande RL, Creager MA. Peripheral Artery Disease. In: Hematology [Internet]. Elsevier; 2018 [cited 2020 Feb 15]. p. 2159–2167.e2. Available from: <https://linkinghub.elsevier.com/retrieve/pii/B9780323357623001487>
- Pillay B, Ramdial P, Naidoo D. HIV-associated large-vessel vasculopathy: a review of the current and emerging clinicopathological spectrum in vascular surgical practice: review article. *CVJA*. 2015 Apr 30;26(2):70–81.
- Pimenta REF, Yoshida WB, Rollo HA, Sobreira ML, Bertanha M, Mariúba JV de O, et al. Heparin induced thrombocytopenia in a patient with acute arterial occlusion. *J vasc bras*. 2016 Jun;15(2):138–41.
- Prandoni P. Venous and Arterial Thrombosis: Is There a Link? In: Islam MdS, editor. *Thrombosis and Embolism: from Research to Clinical Practice* [Internet]. Cham: Springer International Publishing; 2016 [cited 2020 Feb 15]. p. 273–83. Available from: http://link.springer.com/10.1007/5584_2016_121
- Previtali E, Paolo B. Risk factors for venous and arterial thrombosis. *Blood Transfusion*. 2011;120–38.
- Proverbs-Singh T, Chiu SK, Liu Z, Seng S, Sonpavde G, Choueiri TK, et al. Arterial Thromboembolism in Cancer Patients Treated With Cisplatin: A Systematic Review and Meta-analysis. *JNCI: Journal of the National Cancer Institute*. 2012 Oct;104(23):1837–40.
- Puga L, Macedo F. The Importance of Echocardiography for the Evaluation of Cardiac Sources of Embolism. *ARQUIVOS BRASILEIROS DE CARDIOLOGIA - IMAGEM CARDIOVASCULAR* [Internet]. 2014 [cited 2019 Sep 29];27(4). Available from: <http://www.gnresearch.org/doi/10.5935/2318-8219.20140033>
- Rand JH, Wolgast LR. The Antiphospholipid Syndrome. In: Hematology [Internet]. Elsevier; 2018 [cited 2020 Feb 15]. p. 2088–101. Available from: <https://linkinghub.elsevier.com/retrieve/pii/B9780323357623001414>
- Riezzo I, Fiore C, De Carlo D, Pascale N, Neri M, Turillazzi E, et al. Side Effects of Cocaine Abuse: Multiorgan Toxicity and Pathological Consequences. *CMC*. 2012 Nov 14;19(33):5624–46.
- Samad F, Ruf W. Inflammation, obesity, and thrombosis. *Blood*. 2013 Nov 14;122(20):3415–22.
- Scheers, G. J., Ferko, N., Syed, I., Arpino, J. M., & Alsbrooks, K. (2020). Peripherally inserted central catheters inserted with current best practices have low deep vein thrombosis and central line-associated bloodstream infection risk compared with centrally inserted central catheters: A contemporary meta-analysis. *The journal of vascular access*, 1129729820916113. Advance online publication. doi:10.1177/1129729820916113
- Smith, S. A., Travers, R. J., & Morrissey, J. H. (2015). How it all starts: Initiation of the clotting cascade. *Critical Reviews in Biochemistry and Molecular Biology*, 50(4), 326–336. doi:10.3109/10409238.2015.1050550
- Sennström M, Rova K, Hellgren M, Hjertberg R, Nord E, Thurn L, et al. Thromboembolism and in vitro fertilization - a systematic review. *Acta Obstet Gynecol Scand*. 2017 Sep;96(9):1045–52.
- Shord SS, Bressler LR, Tierney LA, Cuellar S, George A. Understanding and managing the possible adverse effects associated with bevacizumab. *American Journal of Health-System Pharmacy*. 2009 Jun 1;66(11):999–1013.
- Spronk H, Padro T, Siland J, Prochaska J, Winters J, van der Wal A, et al. Atherothrombosis and Thromboembolism: Position Paper from the Second Maastricht Consensus Conference on Thrombosis. *Thromb Haemost*. 2018;118(02):229–50.

- Stuck, A., Spirk, D., Schaudt, J., & Kucher, N. (2017). Risk assessment models for venous thromboembolism in acutely ill medical patients. *Thrombosis and Haemostasis*, 117(04), 801–808. doi:10.1160/th16-08-0631
- Sundbøll J, Hovåth-Puhó E, Adelborg K, Ording A, Schmidt M, Bøtker HE, et al. Risk of arterial and venous thromboembolism in patients with atrial fibrillation or flutter: A nationwide population-based cohort study. *International Journal of Cardiology*. 2017 Aug;241:182–7.
- Taheritafti R, Khoshnoodshariati M, Taraz M. Treatment of Neonatal Arterial Thromboembolism: A Case Report. *Iran J Pediatr* [Internet]. 2018 Aug 21 [cited 2020 Jun 23];In Press(In Press). Available from: <https://sites.kowsarpub.com/ijp/articles/67025.html>
- Tatsumi K, Mackman N. Tissue Factor and Atherothrombosis. *J Atheroscler Thromb*. 2015;22(6):543–9.
- ten Cate H, Hemker HC. Thrombin Generation and Atherothrombosis: What Does the Evidence Indicate? *JAHA* [Internet]. 2016 Aug 8 [cited 2020 Feb 15];5(8). Available from: <https://www.ahajournals.org/doi/10.1161/JAHA.116.003553>
- Tepper NK, Whiteman MK, Marchbanks PA, James AH, Curtis KM. Progestin-only contraception and thromboembolism: A systematic review. *Contraception*. 2016 Dec;94(6):678–700.
- Thrombosis in newborn infants. *Arch Argent Pediat* [Internet]. 2016 Apr 1 [cited 2020 Jun 23]; Available from: <http://www.sap.org.ar/docs/publicaciones/archivosarg/2016/v114n2a12e.pdf>
- Van Bijnen STA, Van Heerde WL, Muus P. Mechanisms and clinical implications of thrombosis in paroxysmal nocturnal hemoglobinuria: Thrombosis in PNH. *Journal of Thrombosis and Haemostasis*. 2012 Jan;10(1):1–10.
- van Schouwenburg IM, Gansevoort RT, Mahmoodi BK, Visser MM, Kluin-Nelemans HC, Lijfering WM, et al. Increased risk of arterial thromboembolism after a prior episode of venous thromboembolism: results from the Prevention of Renal and Vascular ENd stage Disease (PREVEND) Study. *Br J Haematol*. 2012 Oct;159(2):216–22.
- Vannucchi H, Melo SS. Hyperhomocysteinemia and cardiometabolic risk. *Arq Bras Endocrinol Metab*. 2009 Jul;53(5):540–9.
- Weill A, Dalichampt M, Raguideau F, Ricordeau P, Blotière P-O, Rudant J, et al. Low dose oestrogen combined oral contraception and risk of pulmonary embolism, stroke, and myocardial infarction in five million French women: cohort study. *BMJ*. 2016 May 10;i2002.
- Welty FK. How Do Elevated Triglycerides and Low HDL-Cholesterol Affect Inflammation and Atherothrombosis? *Curr Cardiol Rep*. 2013 Sep;15(9):400.
- Xu R, Guo L, Lin X, Fang L, Fang Q, Yan X. [Cardiovascular manifestations in Chinese patients with hyper eosinophilic syndrome]. *Zhonghua Xin Xue Guan Bing Za Zhi*. 2010 Oct;38(10):905–8.
- Zezos P. Inflammatory bowel disease and thromboembolism. *WJG*. 2014;20(38):13863.

Risk for decreased cardiac tissue perfusion (00200)

- Alzamora, M.T., Baena-Díez, J.M., Sorribes, M., Forés, R., Toran, P., Vicheto, M. et al., (2007). PERART study. Peripheral Arterial Disease study (PERART): Prevalence and predictive values of asymptomatic peripheral arterial occlusive disease related to cardiovascular morbidity and mortality. *BMC Public Health*, 7, 348.

- Dogan, A., Ozgul, M., Ozaydin, M., Aslan, S., Gedikli, O., & Altinbas, A. (2005). Effect of clopidogrel plus aspirin on tissue perfusion and coronary flow in patients with ST-segment elevation myocardial infarction: A new reperfusion strategy. *American Heart Journal*, 149(6), 1037–42.
- Hung, J., Knuiman, M., Divitini, M., Davis, T., & Beiby, J. (2008, January). Prevalence and risk factor correlates of elevated c-reactive protein in an adult Australian population. *The American Journal of Cardiology*, 101(2), 193–8.
- O'Donnell, J.M. & N'acul, F., (Eds.) (2001). *Surgical intensive care medicine*. Boston: Kluwer Academic Publishers.
- Sharma, S. (2006). Pulmonary embolism. eMedicine. Retrieved from <http://www.emedicine.com/med/TOPIIC1958.HTM>.
- Steen, H., Lehrke, S., Wiegand, U.K.H., Merten, C., Schuster, L., Richardt, G.,... & Gianitsis, E. (2005). Very early cardiac magnetic resonance imaging for quantification of myocardial tissue perfusion in patients receiving tirofiban before percutaneous coronary intervention for ST-elevation myocardial infarction. *American Heart Journal*, 149(3), 564.e1–564.e7.
- Swearingen, P.L. & Hicks Keen, J., (Eds.) (2001). *Manual of critical care nursing: Nursing interventions and collaborative management* (4th ed.). St Louis: Mosby.

Risk for ineffective cerebral tissue perfusion (00201)

- Asante-Siaw, J., Tyrrell, J., & Hoschitzky, A. (2006). Does the use of a centrifugal pump offer any additional benefit for patients having open heart surgery? Best BETS, Record 01148. Retrieved from <http://www.bestbets.org/cgi-bin/bets.pl?record=01148>.
- Barnard, J., Musleh, G., & Bitta, M. (2004). In aortic arch surgery is there any benefit in using antegrade cerebral perfusion or retrograde cerebral perfusion as an adjunct to hypothermic circulatory arrest? BestBETS, Record 00690. Retrieved from <http://www.bestbets.org/cgi-bin/bets.pl?record=00690>.
- O'Donnell, J.M. & N'acul, F., (Eds.) (2001). *Surgical intensive care medicine*. Boston: Kluwer Academic Publishers.
- Sharma, M., Clark, H., Armour, T., Stotts, G., Cote, R., Hill, M.D.,... & Lewin, G. (2005). Evidence Report/Technology Assessment, Acute stroke: Evaluation and treatment. Agency for Healthcare Research and Quality, 127. ISSN: 1530-440X, 2005 Jul; (127), pp. 1–7; PMID: 16111434
- Swearingen, P.L. & Hicks Keen, J., (Eds.) (2001). *Manual of critical care nursing: Nursing interventions and collaborative management*, 4th ed. St Louis: Mosby.

Ineffective peripheral tissue perfusion (00204)

- Cournot, M., Boccalon, H., Cambou, J-P., Guilloux, J., Taraszkievicz, D., Hanaire-Broutin, H., Chamontin, B., et al. (2007). Accuracy of the screening physical examination to identify subclinical atherosclerosis and peripheral arterial disease in asymptomatic subjects. *Journal of Vascular Surgery*, 46(6), 1215–1221.
- Hernando, F.J.S. & Conejero, A.M. (2007). Enfermedad arterial periferica: aspectos fisiopatologicos, clinicos y terapeuticos. *Revista Española de Cardiología*, 60(9), 969–982
- Khan, N.A., Rahim, S.A., Anand, S.S., Simel, D.L. & Panju, A. (2006). Does the clinical examination predict lower extremity peripheral arterial disease? *Journal of the American Medical Association*, 295(5), 536–546.
- Kruidenier, L.M., Nicolai, S.P.A., Willigendael, E.M., de Bie, R.A. Prins, M.H., & Teijink, J.A.W. (2009). Functional claudication distance: a reliable and valid measure-

- ment to assess functional limitation in patients with intermittent claudication. *BMC Cardiovascular Disorders*, 9(9). doi:10.1186/1471-2261-9-9
- Lewis, C.D. (2001). Peripheral arterial disease of the lower extremity. *Journal of Cardiovascular Nursing*, 15(4), 45–63.
- Lopez Rowe, V. (2005). Peripheral arterial occlusive disease. Retrieved from <http://www.emedicine.com/med/topic391.htm>
- Maffei, F.H.A., Lastoria, S., Yoshida, W.B., Rollo, H.A. (eds.) (2002). *Doenças vasculares periféricas*. Rio de Janeiro: Medsi.
- McDermott, M.M., Ades, P.A., Dyer, A., Guralnik, J.M., Kibbe, M., & Criqui, M.H. (2008). Corridor-based functional performance measures correlate better with physical activity during daily life than treadmill measures in persons with peripheral arterial disease. *Journal of Vascular Surgery*, 48(5), 1231–1237.
- O'Donnell, J.M., & N'acul, F. (eds.) (2001). *Surgical intensive care medicine*. Boston: Kluwer Academic.
- Silva, R.C.G. (2010). Validação das características definidoras do diagnóstico de enfermagem: perfusão tissular periférica ineficaz em pacientes com doença arterial obstrutiva periférica sintomática. [Validation of defining characteristics of the nursing diagnosis ineffective peripheral tissue perfusion in patients with peripheral arterial disease in the lower limbs.] Doctoral dissertation. Universidade de São Paulo. Faculdade de Medicina, 191p.
- Silva, R.C.G., Cruz, D.A.L.M., Bortolotto, L.A., Irigoyen, M.C.C., Krieger, E.M., Palomo, J.S.H.P & Consolim-Colombo, F.M. (2006). Ineffective peripheral tissue perfusion: Clinical validation in patients with hypertensive cardiomyopathy. *International Journal of Nursing Terminologies and Classifications*, 17(2), 97–107.
- Stephens, E. (2005). Peripheral vascular disease. *eMedicine*. Retrieved from <http://www.emedicine.com/emerg/topic862.htm>.
- Swearingen, P.L. & Hicks Keen, J., (Eds.) (2001). *Manual of critical care nursing: Nursing interventions and collaborative management* (4th ed.). St Louis: Mosby.

Risk for ineffective peripheral tissue perfusion (00228)

- Cournot, M., Boccalon, H. Cambou, J-P., Guilloux, J., Taraszkievicz, D., Hanaire-Broutin, H., Chamontin, B., et al. (2007). Accuracy of the screening physical examination to identify subclinical atherosclerosis and peripheral arterial disease in asymptomatic subjects. *Journal of Vascular Surgery*, 46(6), 1215–1221.
- Hernando, F.J.S. & Conejero, A.M. (2007). Enfermedad arterial periférica: aspectos fisiopatológicos, clínicos y terapéuticos. *Revista Española de Cardiología*, 60(9), 969–982
- Khan, N.A., Rahim, S.A., Anand, S.S., Simel, D.L. & Panju, A. (2006). Does the clinical examination predict lower extremity peripheral arterial disease? *Journal of the American Medical Association*, 295(5), 536–546.
- Kruidenier, L.M., Nicolai, S.P.A., Willigendael, E.M., de Bie, R.A. Prins, M.H., & Teijink, J.A.W. (2009). Functional claudication distance: a reliable and valid measurement to assess functional limitation in patients with intermittent claudication. *BMC Cardiovascular Disorders*, 9(9). doi:10.1186/1471-2261-9-9
- Lewis, C.D. (2001). Peripheral arterial disease of the lower extremity. *Journal of Cardiovascular Nursing*, 15(4), 45–63.
- Lopez Rowe, V. (2005). Peripheral arterial occlusive disease. Retrieved from <http://www.emedicine.com/med/topic391.htm>
- Maffei, F.H.A., Lastoria, S., Yoshida, W.B., Rollo, H.A. (eds.) (2002). *Doenças vasculares periféricas*. Rio de Janeiro: Medsi.

- McDermott, M.M., Ades, P.A., Dyer, A., Guralnik, J.M., Kibbe, M., & Criqui, M.H. (2008). Corridor-based functional performance measures correlate better with physical activity during daily life than treadmill measures in persons with peripheral arterial disease. *Journal of Vascular Surgery*, 48(5), 1231–1237.
- O'Donnell, J.M., & N'acul, F. (eds.) (2001). *Surgical intensive care medicine*. Boston: Kluwer Academic.
- Silva, R.C.G. (2010). Validação das características definidoras do diagnóstico de enfermagem: perfusão tissular periférica ineficaz em pacientes com doença arterial obstrutiva periférica sintomática. [Validation of defining characteristics of the nursing diagnosis ineffective peripheral tissue perfusion in patients with peripheral arterial disease in the lower limbs.] Doctoral dissertation. Universidade de São Paulo. Faculdade de Medicina, 191p.
- Silva, R.C.G., Cruz, D.A.L.M., Bortolotto, L.A., Irigoyen, M.C.C., Krieger, E.M., Palomo, J.S.H.P & Consolim-Colombo, F.M. (2006). Ineffective peripheral tissue perfusion: Clinical validation in patients with hypertensive cardiomyopathy. *International Journal of Nursing Terminologies and Classifications*, 17(2), 97–107.
- Stephens, E. (2005). Peripheral vascular disease. eMedicine. Retrieved from <http://www.emedicine.com/emerg/topic862.htm>.
- Swearingen, P.L. & Hicks Keen, J., (Eds.) (2001). *Manual of critical care nursing: Nursing interventions and collaborative management* (4th ed.). St Louis: Mosby.

Dysfunctional ventilatory weaning response (00034)

None at this time.

Dysfunctional adult ventilatory weaning response (00318)

- Barbas CSV, Ísola AM, Farias AMC, Cavalcanti AB, Gama AMC, Duarte ACM, et al. Brazilian recommendations of mechanical ventilation 2013. Part 2. *Rev Bras Ter Intensiva*. 2014; 26(3): 215–239. doi: 10.5935/0103–507X.20140034.
- Bickenbach J, Schöneis D, Marx G, Marx N, Lemmen S, Dreher M. Impact of multidrug-resistant bacteria on outcome in patients with prolonged weaning. *BMC Pulm Med*. 2018 Aug 20;18(1):141. doi:10.1186/s12890-018-0708-3
- Brandão MAG, Cerqueira FA, Matos LN, Campos JF, Peixoto MAP, Primo CC. Características definidoras da Resposta Disfuncional ao Desmame Ventilatório como indicadores de acurácia do desmame ventilatório. *Rev. bras. enferm*. 2014 Oct; 67(5): 737–743. doi 10.1590/0034-7167.2014670510
- Carvalho CRR, Toufen Junior C, Franca SA. III Consenso Brasileiro de ventilação mecânica Ventilação mecânica: princípios, análises gráficas e modalidades ventilatórias. *J Bras Pneumol*. 2007;33(Supl2):S54-S70. Available from: <http://www.scielo.br/pdf/jbpneu/v33s2/a02v33s2.pdf>
- Cerqueira FA, Brandão MAG, Mattos VZ, Castellões TMFW, et al. Investigação da temporalidade das características definidoras do diagnóstico de resposta disfuncional ao desmame ventilatório. *Esc. Anna Nery*. v.16, n.3, p.545–552, 2012. doi 10.1590/S1414-81452012000300017
- Chen YJ, Jacobs WJ, Quan SF, Figueredo AJ, Davis AH. Psychophysiological determinants of repeated ventilator weaning failure: an explanatory model. *Am J Crit Care*. 2011;20(4):292–302.
- Cordeiro ALL, Lima ASS, Matos ICO, Oliveira LVB, Guimarães AR, Carvalho SO, et al. Analysis of mechanical ventilation time and hospitalization of patients under-

- going cardiac surgery. *ABCS Health Sciences*. 2017 42 (1): 3–7. doi:10.7322/abcshs.v42i1.942.
- Doorduyn J, Van der Hoeven JG, Heunks LM. The differential diagnosis for failure to wean from mechanical ventilation. *Curr Opin Anaesthesiol*. 2016 Apr; 29(2):150–7. doi:10.1097/ACO.0000000000000297.
- Ely EW, Baker AM, Dunagan DP, Burke HL, Smith AC, Kell PT, et al. Effect on the duration of mechanical ventilation of identifying patients capable of breathing spontaneously. *N Engl J Med*. 1996. v.335, p.1864–1969. doi:10.1056/NEJM199612193352502.
- Esteban A, Alía I, Tobin MJ, Gil A, Gordo F, Vallverdú I, et al. Effect of spontaneous breathing trial duration on outcome of attempts to discontinue mechanical ventilation. Spanish Lung Failure Collaborative Group. *Am J Respir Crit Care Med*.v.159, n.2, p.512–8, 1999. doi: 10.1164/ajrccm.159.2.9803106.
- Fathy S, Hasanin AM, Raafat M, Mostafa MMA, Fetouh AM, Elsayed M, et al. Thoracic fluid content: a novel parameter for predicting failed weaning from mechanical ventilation. *J Intensive Care*. 2020 Mar 5;8:20. doi:10.1186/s40560-020-00439-2.
- Goharani R, Vahedian-Azimi A, Galal IH, Cordeiro de Souza L, Farzanegan B, Bashar FR, et al. A rapid shallow breathing index threshold of 85 best predicts extubation success in chronic obstructive pulmonary disease patients with hypercapnic respiratory failure. *J Thorac Dis*. 2019 Apr;11(4):1223–32. doi: 10.21037/jtd.2019.03.103
- Goldwasser R, Farias A, Freitas EE, Saddy F, Amado V, Okamoto V. Desmame e interrupção da ventilação mecânica. *J Bras Pneumol*. 2007 July; 33(Suppl 2): 128–136. doi:10.1590/S1806-37132007000800008.
- Hannan LM, Tan S, Hopkinson K, Marchingo E, Rautela L, Detering K, et al. Inpatient and long-term outcomes of individuals admitted for weaning from mechanical ventilation at a specialized ventilation weaning unit. *Respirology*. 2013 Jan;18(1):154–60. doi:10.1111/j.1440-1843.2012.02266.x.
- Hayashi LY, Gazzotti MR, Vidotto MC, Jardim JR. Incidence, indication and complications of postoperative reintubation after elective intracranial surgery. *Sao Paulo Med J*. 2013; 131(3): 158–165. doi 10.1590/1516-3180.2013.1313440.
- Heunks, L. M., & van der Hoeven, J. G. (2010). Clinical review: the ABC of weaning failure—a structured approach. *Critical care* (London, England), 14(6), 245. doi:10.1186/cc9296
- Kao HC, Lai TY, Hung HL, Chen YM, Chou PA, Wang CC, et al. Sequential oxygenation index and organ dysfunction assessment within the first 3 days of mechanical ventilation predict the outcome of adult patients with severe acute respiratory failure. *Scientific World Journal*. 2013;2013:413216. doi: 10.1155/2013/413216.
- Lee ESH, Lim DTJ, Taculod JM, Sahagun JT, Otero JP, Kaimin T. et al. 2017 Factors Associated with Reintubation in an Intensive Care Unit: A Prospective Observational Study. *Indian J Crit Care Med*. 2017 Mar; 21(3): 131–137. doi:10.4103/ijccm.IJCCM_452_16.
- Leite, Mariana do Nascimento; CRUZ, Isabel CF da. Nursing evidence-based interprofessional practice guidelines for dysfunctional response to ventilatory weaning in ICU – Systematic Literature Review. *Journal of Specialized Nursing Care*, [S.l.], v. 11, n. 1, mar. 2019.
- Lemos, L. D. A., Cavalcante, L. D. P., & Lopes, M. V. D. O. (2020). Middle Range Theory for the Nursing Diagnosis of Dysfunctional Ventilatory Weaning Response. *International Journal of Nursing Knowledge*

- Loss SH, Oliveira RP, Maccari JG, Savi A, Boniatti MM, Hetzel MP, et al. A realidade dos pacientes que necessitam de ventilação mecânica prolongada: um estudo multicêntrico. *Rev Bras Ter Intensiva*. 2015 Mar; 27(1): 26–35. doi:10.5935/0103–507X.20150006.
- Merchán-Tahvanainen, M. E., Romero-Belmonte, C., Cundín-Laguna, M., Basterra-Brun, P., San Miguel-Aguirre, A., & Regairu-Martinez, E. (2017). Patients' experience during weaning of invasive mechanical ventilation: A review of the literature. *Enfermería Intensiva* (English ed.), 28(2), 64–79.
- Nemer SN, Barbas CSV. Parâmetros preditivos para o desmame da ventilação mecânica. *J. bras. pneumol*. 2011 Oct; 37(5): 669–679. doi 10.1590/S1806–37132011000500016.
- Peñuelas O, Keough E, Rodriguez LL, Carriedo D, Gonçalves G, Barreiro E, et al. Ventilator-induced diaphragm dysfunction: translational mechanisms lead to therapeutic alternatives in the critically ill. *Intensive Care Med*. 2019 7 (1): 48. doi:10.1186/s40635–019–0259–9.
- Perkins GD, Mistry D, Gates S, Gao F, Snelson C, Hart N, et al. Effect of Protocolized Weaning With Early Extubation to Noninvasive Ventilation vs Invasive Weaning on Time to Liberation From Mechanical Ventilation Among Patients With Respiratory Failure: The Breathe Randomized Clinical Trial. *JAMA*. 2018 Nov; 320(18):1881–1888. doi:10.1001/jama.2018.13763.
- Reis HFC, Almeida MLO, Silva MF, Moreira JO, Rocha MS. Associação entre o índice de respiração rápida e superficial e o sucesso da extubação em pacientes com traumatismo cranioencefálico. *Rev. bras. ter. intensiva*. 2013 Sep; 25(3): 212–217. doi:10.5935/0103–507X.20130037.
- Rodrigues, Francielle Silva Ferreira; CRUZ, Isabel Cristina Fonseca da. Guidelines for evidence-based practice on nursing prescription in the dysfunctional response to ventilatory weaning in ICU - Systematized Literature Review. *Journal of Specialized Nursing Care*, [S.l.], v. 10, n. 1, apr. 2018.
- Saugel B, Rakette P, Hapfelmeier A, Schultheiss C, Phillip V, Thies P, et al. Prediction of extubation failure in medical intensive care unit patients. *J Crit Care*. 2012;27 (6):571–7.
- Schepens T, Dianti J. Diaphragm protection: what should we target? *Current Opinion in Critical Care*. 2020 Feb; 26(1):35–40. doi:10.1097/MCC.0000000000000683.
- Schiffl LM, Vieira SRR, Brauner JS, Pacheco DM, Naujorks AA. Echocardiographic evaluation during weaning from mechanical ventilation. *Clinics*. 2011; 66(1): 107–111. doi:10.1590/S1807- 59322011000100019.
- Shepherd S, Batra A, Lerner D. Review of critical illness Myopathy and neuropathy. *Neurohospitalist*. 2017 Jan; 7(1): 41–48. doi:10.1177/1941874416663279.
- Silva LCR, Tonelli IS, Oliveira RCC, Lemos PL, Matos SS, Chianca TCM. Clinical study of Dysfunctional Ventilatory Weaning Response in critically ill patients. *Rev. Latino-Am. Enfermagem*. 2020;28:e3334. doi:http://dx.doi.org/10.1590/1518–8345.3522.3334.
- Stieff KV, Lim F, Chen L. Factors Influencing Weaning Older Adults From Mechanical Ventilation: An Integrative Review. *Crit Care Nurs Q*. 2017 Apr/Jun;40(2):165–177. doi:10.1097/CNQ.0000000000000154.
- Su WL, Chen YH, Chen CW, Yang SH, Su CL, Perng WC, et al. Involuntary cough strength and extubation outcomes for patients in an ICU. *Chest*. 2010 Apr;137 (4):777–82. doi:10.1378/chest.07–2808.

- Su CL, Chiang LL, Yang SH, Lin HI, Cheng KC, Huang YC, et al. Preventive use of noninvasive ventilation after extubation: a prospective, multicenter, randomized, controlled trial. *Respir Care*. 2012 Feb;57(2):204–10. doi:10.4187/respcare.01141
- Subirà C, Hernández G, Vázquez A, Rodríguez-García R, GonzálezCastro A, García C, et al. Effect of Pressure Support vs T-Piece Ventilation Strategies During Spontaneous Breathing Trials on Successful Extubation Among Patients Receiving Mechanical Ventilation: A Randomized Clinical Trial. *JAMA*. 2019 Jun 11;321(22):2175–2182. doi:10.1001/jama.2019.7234.
- Tate JA, Devito DA, Hoffman LA, Milbrandt E, Happ MB. Anxiety and agitation in mechanically ventilated patients. *Qual Health Res*. 2012;22:157–73.
- Teixeira C, da Silva NB, Savi A, Vieira SR, Nasi LA, Friedman G, et al. Central venous saturation is a predictor of reintubation in difficult-to-wean patients. *Crit Care Med*. 2010;38:491–496. doi: 10.1097/CCM.0b013e3181bc81ec.
- Terzi N, Lofaso F, Masson R, Beuret P, Normand H, Dumanowski E, et al. Physiological predictors of respiratory and cough assistance needs after extubation. *Ann Intensive Care*. 2018 Feb 5;8(1):18. doi: 10.1186/s13613-018-0360-3.
- Thille AW, Cortes-Puch I, Esteban A. Weaning from the ventilator and extubation in ICU. *Curr Opin Crit Care*. 2013 Feb;19(1):57–64. doi:10.1097/MCC.0b013e32835c5095.
- Thille AW, Harrois A, Schortgen F, et al. Outcomes of extubation failure in medical intensive care unit patients. *Crit Care Med* 2011; 39: 2612– 2618. doi:10.1097/CCM.0b013e3282282a5a.
- Upadya A, Tilluckdharry L, Muralidharan V, Amoateng-Adjepong Y, Manthous CA. Fluid balance and weaning outcomes. *Intensive Care Med*. 2005 Dec;31(12):1643–7. doi:10.1007/s00134-005-2801-3.
- Wang MY, Pan L, Hu XJ. Chest physiotherapy for the prevention of ventilator-associated pneumonia: A meta-analysis. *Am J Infect Control*. 2019 Jul 47 (7): 755–760. doi:10.1016 / j.ajic.2018.12.015.
- Ward D, Fulbrook P. Nursing strategies for effective weaning of the critically ill mechanically ventilated patient. *Crit Care Nurs Clin North Am*. 2016. Dec; 28(4):499–512. doi:10.1016/j.cnc.2016.07.008.
- Yu H, Luo J, Ni Y, Hu Y, Liu D, Wang M, et al. Early prediction of extubation failure in patients with severe pneumonia: a retrospective cohort study. *Biosci Rep*. 2020 Feb 28;40(2). doi: 10.1042/BSR20192435echo
- Zapata L, Vera P, Roglan R, Gich I, Ordonz Llanos J, Betbese AJ, et al. B-type natriuretic peptides for prediction and diagnosis of weaning failure from cardiac origin. *Intensive Care Med*. v.37, n.3, p.477–85, 2011. doi:10.1007/s00134-010-2101-4

4.5 Class 5. Self-care

Bathing self-care deficit (00108)

None at this time.

Dressing self-care deficit (00109)

None at this time.

Feeding self-care deficit (00102)

None at this time.

Toileting self-care deficit (00110)

None at this time.

Readiness for enhanced self-care (00182)

- Artinian, N.T., Magnan, M., Sloan, M., & Lange, M.P. (2002). Self care behaviors among patients with heart failure. *Heart & Lung*, 31(3), 161–172.
- Backscheider, J.E. (1974). Self care requirements, self care capabilities and nursing systems in the diabetic nurse management clinic. *American Journal of Public Health*, 64(12), 1138–1146.
- Becker, G., Gates, R. J., & E. Newsom (2004). Self-care among chronically ill African Americans: Culture, health disparities, and health insurance status. *American Journal of Public Health*, 94(12), 2066–2073.
- Biggs, A.J. (1990). Family caregiver versus nursing assessments of elderly self-care abilities. *Journal of Gerontological Nursing*, 16(8): 11–16.
- Conn, V. (1991). Self care actions taken by older adults for influenza and colds. *Nursing Research*, 40(3), 176–181.
- Dashiff, C., Bartolucci, A., Wallander, J., & Abdullatif, H. (2005). The relationship of family structure, maternal employment, and family conflict with self-care adherence of adolescents with Type 1 diabetes. *Families, Systems, & Health*, 23(1), 66–79.
- Harris, J.L. & Williams, L.K. (1991). Universal self-care requisites as identified by homeless elderly men. *Journal of Gerontological Nursing*, 17(6), 39–43.
- Hartweg, D.L. (1993). Self-care actions of healthy middle-aged women to promote well-being. *Nursing Research*, 42(4), 221–227.
- Moore, J.B. & Beckwith, A.E. (2004). Children with cancer and their parents: Self care and dependent care practices. *Issues in Comprehensive Pediatric Nursing*, 27(1), 1–17.
- Oliver, M. (2005). Reaching positive outcomes by assessing and teaching patient self efficacy. *Home Healthcare Nurse*, 23(9), 559–562.
- Richardson, A. & Ream, E.K. (1997). Self-care behaviours initiated by chemotherapy patients in response to fatigue. *International Journal of Nursing Studies*. 34(1), 35–43.
- Smits, M.W. & Kee, C.C. (1992). Correlates of self-care among the independent elderly: Self care affects well-being. *Journal of Gerontological Nursing*. 18(9), 13–18.
- Weston-Eborn, R. (2004). Home care and the adult learner. *Home Healthcare Nurse*, 22(8), 522–523.

Self-neglect (00193)

- Abrams, R.C., Lachs, M., McAvay, G., Keohane, D.J., & Bruce, M.L. (2002). Predictors of self-neglect in community-dwelling elders. *American Journal of Psychiatry*, 159(10), 1724–1730.
- Adams, J. & Johnson, J. (1998). Nurses' perceptions of gross self-neglect amongst older people living in the community. *Journal of Clinical Nursing*, 7(6), 547–552.
- Al-Adwani, A. & Nabi, W. (2001). Coexisting Diogenes and Capgras syndromes. *International Journal of Psychiatry in Clinical Practice*, 5(1), 75–76.
- Barocka A., Seehuber D., & Schone, D. (2004.) Messy House Syndrome. *MMW Fortschritte der Medizin*, 146(45), 36–39.
- Blondell, R.D. (1999). Alcohol abuse and self-neglect in the elderly. *Journal of Elder Abuse and Neglect*, 11(2), 55–75.

- Bozinovski, S.D. (2000). Older self-neglecters: Interpersonal problems and the maintenance of self-continuity. *Journal of Elder Abuse & Neglect*, 12(1), 37–56.
- Branch, L. (2002). The epidemiology of elder abuse and neglect. *The Public Policy and Aging Report*, 12(2), 19–22.
- Chang, B., Uman, G. & Hirsch, M. (1998). Predictive power of clinical indicators for self-care deficit. *Nursing Diagnosis*, 9(2), 71–82.
- Clark, A.N.G., Mankikar, G.D., & Gray, I. (1975). Diogenes syndrome: A clinical study of gross neglect in old age. *Lancet*, 305(7903), 366–368.
- Daly, J.M. & Jogerst, G. (2001). Statute definitions of elder abuse. *Journal of Elder Abuse and Neglect*, 13(4), 39–57.
- Drummond, L.M., Turner, J., & Reid, S. (1997). Diogenes' syndrome: A load of old rubbish? *Irish Journal of Psychological Medicine*, 14(3), 99–102.
- Dyer, C.B., Pavlik, V.N., Murphy, K.P., & Hyman, D.J. (2000). The high prevalence of depression and dementia in elder abuse or neglect. *Journal of the American Geriatrics Society*, 48(2), 205–208.
- Espósito, D., Rouillon, F., & Limosin, F. (2003). Diogenes syndrome in a pair of siblings. *Canadian Journal of Psychiatry*, 48(8), 571–572.
- Finkel, S.I. (2003). Cognitive screening in the primary care setting: The role of physicians at the first point of entry. *Geriatrics*, (6), 43–44.
- Gee, A., Jones, J.S., & Brown, M.D. (1998). Self-neglect in the elderly: Emergency department assessment and crisis intervention. *Annals of Emergency Medicine*, 32(30, suppl, Part 2), S42.
- Gibbons S. (2007). Characteristics and behaviors of self-neglect in community-dwelling older adults. (Doctoral dissertation).
- Retrieved from Dissertation Abstracts International, UMI No. 3246949.
- Gibbons, S., Lauder, W., & Ludwick, R. (2006). Self-neglect: A proposed new NANDA diagnosis. *International Journal of Nursing Terminologies and Classification* 17(1), 10–18.
- Greve, K.W., Curtis, K.L., Bianchini, K.J., & Collins, B.T. (2004). Personality disorder masquerading as dementia: a case of apparent Diogenes syndrome. *International Journal of Geriatric Psychiatry*, 19(7), 703–705.
- Gruman, C.A., Stern, A.S., & Caro, F.G. (1997). Self-neglect among the elderly: A distinct phenomenon. *Journal of Mental Health and Aging*, 3(3), 309–323.
- Gunstone, S. (2003). Risk assessment and management of patients whom self-neglect: a grey area for mental health workers. *Journal of Psychiatric and Mental Health Nursing*, 10(3), 287–296.
- Halliday, G., Banerjee, S., Philpot, M., & Macdonald, A. (2000). Community study of people who live in squalor. *The Lancet*, 355(9207), 882–886.
- Jackson, G.A. (1997). Diogenes syndrome: How should we manage it? *Journal of Mental Health*, 6(2), 113–116.
- Jurgens, A. (2000). Refuse hoarding syndrome. *Psychiatrische Praxis*, 27(1), 42–6.
- Lachs, M.S., Williams, C.S., O'Brien, S., & Pillemer, K.A. (2002). Adult protective services use and nursing home placement. *The Gerontologist*, 42(6), 734–739.
- Lachs, M.S., Williams, C.S., O'Brien, S., Pillemer, K.A., & Charlson, M.E. (1998). The mortality of elder mistreatment. *Journal of the American Medical Association*, 280(5), 428–32.
- Lauder, W. (2001). The utility of self-care theory as a theoretical basis for self-neglect. *Journal of Advanced Nursing*, 34(4), 345–351.

- Lauder, W. (1999a). A survey of self-neglect in patients living in the community. *Journal of Clinical Nursing*, 8(1), 95–102.
- Lauder, W. (1999b). Constructions of self-neglect: a multiple case study design. *Nursing Inquiry*, 6(1), 48–57.
- Lauder, W., Anderson, I., & Barclay, A. (2005). Guidelines for good practice in self-neglect. *Journal of Psychiatric and Mental Health Nursing*, 12(2), 192–198.
- Lauder, W., Anderson, I., & Barclay, A. (2002). Housing and self-neglect: Clients' and carers' perspectives. Report to the Economic and Social Research Council. Award No. R000223387.
- Lauder, W., Scott, P.A., & Whyte, A. (2001). Nurses' judgments of self-neglect: A factorial survey. *International Journal of Nursing Studies*, 38(5), 601–608.
- Longres, J.F. (1995). Self-neglect among the elderly. *Journal of Elder Abuse & Neglect*, 7(1), 69–86.
- Macmillan, D. & Shaw, P. (1966). Senile breakdown in standards of personal and environmental cleanliness. *British Medical Journal*, 2(5521), 1032–1037.
- National Center on Elder Abuse. (1998). *National Elder Abuse Incidence Study*. Washington, DC: The Administration for Children and Families and the Administration on Aging, US Department of Health and Human Services.
- O'Brien, J.G., Thibault, J.M., Turner, L.C., & Laird-Fick, H.S. (1999). Self-neglect: an overview. *Journal of Elder Abuse & Neglect*, 11(2), 1–19.
- Orem, D.E. (1995). *Nursing: Concepts of practice* (5th ed.). St. Louis, MO: Mosby-Yearbook, Inc.
- Orrell, M.W., Sahakin, B.J., & Bergmann, K. (1989). Self-neglect and frontal lobe dysfunction. *British Journal of Psychiatry*, 155, 101–105.
- Pavlik, V.N., Hyman, D.J., Festa, N.A., & Dyer, C.B. (2001). Quantifying the problem of abuse and neglect in adults – analysis of a statewide database. *Journal of the American Geriatrics Society*, 49(1), 45–48.
- Radebaugh, T.S., Hooper, F.J., & Gruenberg, E.M. (1987). The social breakdown syndrome in the elderly population living in the community: The helping study. *British Journal of Psychiatry* 151, 341–346.
- Rathbone-McCuan, E. & Bricker-Jenkins, M. (1992). A general framework for elder self-neglect. In E. Rathbone-McCuan & D. R. Fabian (Eds.). *Self-neglecting elders: A clinical dilemma*. Westport, CT: Auburn House.
- Reifler, B. (1996). Diogenes syndrome: Of omelettes and souffles. *Journal of the American Geriatrics Society*, 44(12), 1484–1485.
- Reyes-Ortiz, C.A. (2001). Diogenes syndrome: The self-neglect elderly. *Comprehensive Therapy*, 27(2), 117–121.
- Roby, J.L. & Sullivan, R. (2000). Adult protection service laws: a comparison of state statutes from definition to case closure. *Journal of Elder Abuse and Neglect*, 12(3/4), 17–51.
- Roe, P.F. (1987). Self-neglect or chosen lifestyle? [Letter]. *British Journal of Hospital Medicine*, 37(1), 83–84.
- Sengstock, M.C., Thibault, J.M., & Zaranek, R. (1999). Community dimensions of elderly self-neglect. *Journal of Elder Abuse & Neglect*, 11(2), 77–93.
- Snowdon, J. (1987). Uncleanliness among persons seen by community health workers. *Hospital & Community Psychiatry*, 38(5), 491–494.
- Tierney, M.C., Charles, J., Naglie, G., Jaglal, S., Kiss, A., & Fisher, R.H. (2004). Risk for harm in cognitively impaired seniors who live alone: A prospective study. *Journal of the American Geriatrics Society*, 52(9), 1576–1577.

- Ungvari, G.S. & Hantz, P.M. (1991). Social breakdown in the elderly, I. Case studies and management. *Comprehensive Psychiatry*, 32(5), 440–444.
- Vostanis, P. & Dean, C. (1992). Self-neglect in adult life. *British Journal of Psychiatry*, 161, 265–267. PMID: 1521114.

5 Domain 5. Perception/cognition

5.1 Class 1. Attention

Unilateral neglect (00123)

- Bartolomeo, P. & Chokron, S. (2002). Orienting of neglect in left unilateral neglect. *Neuroscience and Behavioral Reviews*, 26(2), 217–234.
- Bartolomeo, P. & Chokron, S. (1999). Left unilateral neglect or right hyperattention? *Neurology*, 53(9), 2023–2027.
- Halligan, P.W. & Marshall J.C. (1993). The history and clinical presentation of neglect. In I. H. Robertson & J. C. Marshall (Eds), *Unilateral Neglect: Clinical and experimental studies*. Hove: Lawrence Erlbaum Associates Ltd, pp. 3–19.
- Rizzolatti, G. & Berti, A. (1993). Neural mechanisms of spatial neglect. In: I. H. Robertson & J. C. Marshall (eds), *Unilateral neglect: Clinical and experimental studies*. Hove: Lawrence Erlbaum associates Ltd, pp. 87–102.
- Rusconi, M.L., Maravita, A., Bottini, G., & Vallar, G (2002). Is the intact side really intact? Perseverative responses in patients with unilateral neglect: a productive manifestation. *Neuropsychologia*, 40(6), 594–604.
- Stone, SP, Halligan, P.W, Marshall, J.C., & Greenwood, R.J. (1998). Unilateral neglect a common but heterogeneous syndrome. *Neurology*, 50(6), 1902–1905.
- Swan, L. (2001). Unilateral spatial neglect. *Physical Therapy*, 81(9), 1572–1580.
- Weitzel, E.A. (2001). Unilateral neglect. In: M. Maas, K. Buckwalter, M. Hardy, T. Tripp-Reimer, M. Titler, & J. Specht (eds.), *Nursing care of older adults: Diagnosis, outcomes, and interventions*. St Louis: Mosby, pp. 492–502.

5.2 Class 2. Orientation

This class does not currently contain any diagnoses

5.3 Class 3. Sensation/perception

This class does not currently contain any diagnoses

5.4 Class 4. Cognition

Acute confusion (00128)

- Agostini, J.V., Leo-Summers, L.S., & Inouye, S.K. (2001). Cognitive and other adverse effects of diphenhydramine use in hospitalized older patients. *Archives of Internal Medicine*, 161(17), 2091–2097.
- Alciati, A., Scaramelli, B., Fusi, A., Butteri, E., Cattameo, M.L., & Mellado, C. (1999). Three cases of delirium after “ecstasy” ingestion. *Journal of Psychoactive Drugs*, 31(2), 167–170.
- Aldemir, M., Ozen, S., Kara, I.H., Sir, A., & Bac, B. (2001). Predisposing factors for delirium in the surgical intensive care unit. *Critical Care*, 5(5), 265–270.

- Bowman, A.M. (1997). Sleep satisfaction, perceived pain and acute confusion in elderly clients undergoing orthopaedic procedures. *Journal of Advanced Nursing*, 26(3), 550–564.
- Brauer, C., Morrison, R.S., Silberzweig, S.B., & Sui, A.L. (2000). The cause of delirium in patients with hip fracture. *Archives of Internal Medicine*, 160(12), 1856–1860.
- Coyle, N., Breitbart, W., Weaver, S., & Portenoy, R. (1994). Delirium as a contributing factor to “crescendo” pain: three case reports. *Journal of Pain and Symptom Management*, 9(1), 44–47.
- Edlund, A., Lundstrom, M., Brannstrom, B., Bucht, G., & Gustafson, Y. (2001). Delirium before and after operation for femoral neck fracture. *Journal of the American Geriatrics Society*, 49(10), 1335–1340.
- Elie, M., Cole, M.G., Primeau, F. J., & Bellavance, F. (1998). Delirium risks factors in elderly hospitalized patients. *Journal of General Internal Medicine* 13(3), 204–212.
- Erkinjuntti, T., Wikstrom, J. Palo, J., & Autio, L. (1986). Dementia among medical inpatients: Evaluation of 2000 Consecutive admissions. *Archives of Internal Medicine*, 146(10), 1923–1926.
- Fisher, B.W. & Flowerdew, G. (1995). A simple model for predicting postoperative delirium in older patients undergoing elective orthopedic surgery. *Journal of the American Geriatric Society*, 43(2), 175–178.
- Foreman, M. (1989). Confusion in the hospitalized elderly: Incidence, onset, and associated factors. *Research in Nursing & Health*, 12(1), 21–29.
- Francis, J., Martin, D., & Kapoor, W. (1990). A prospective study of delirium in hospitalized elderly. *Journal of the American Medical Association*, 263(8), 1097–1101.
- Grandberg, A.I., Malmros, C.W., Bergborn, I.L., & Lundberg, D.B. (2002) Intensive care syndrome/delirium is associated with anemia, drug therapy and duration of ventilation treatment. *Acta Anaesthesiologica Scandinavica*, 46(6), 726–731.
- Gustafson, Y., Berggren, D., Brannstrom, B., et al. (1988). Acute confusional state in elderly patients treated for femoral neck fracture. *Journal of the American Geriatric Association*, 36(6), 525–530.
- Han, L., McCusker, J., Cole, M. Abrahamowicz, M., Primeau, F., & Elie, M. (2001). Use of medications with anticholinergic effect predicts clinical severity of delirium symptoms in older medical inpatients. *Archives of Internal Medicine*, 161(8), 1099–1105.
- Haynes, C. (1999). Emergence delirium: a literature review. *British Journal of Theatre Nursing*, 9(11), 502–510.
- Inouye, S.K. & Charpentier, P.A. (1996). Precipitating factors for delirium in hospitalized elderly persons: Predictive model and interrelationship with baseline vulnerability. *Journal of the American Medical Association*, 275(11), 852–857.
- Jitapunkul, S., Pillay, I., & Ebrahim, S. (1992). Delirium in newly admitted elderly patients: A prospective study. *The Quarterly Journal of Medicine*, 83(300), 307–314.
- Kelly, M. (1997). The best is yet to be. Postoperative delirium in the elderly. *Today's Surgical Nurse*, 19(5), 10–12.
- Koponen, H., Stenback, U., Mattila, E., Soininen, H., Reinikainen, K., & Riekkinen, P. (1989). Delirium among elderly persons admitted to a psychiatric hospital: clinical course during the acute state and one-year follow-up. *Acta Psychiatrica Scandinavica*, 79(6), 579–585.
- Korevaar, J.C., van Munster, B.C., & de Rooij, S.E. (2005). Risk factors for delirium in acutely admitted elderly patients: a prospective cohort study. Retrieved from <http://www.biomedcentral.com/1471-2318/5/6>.

- Lawlor, P.G., Gagnon, B., Mancini, I.L., Pereira, J.L., Hanson, J., Suarez-Almazor, M.E., & Bruera, E.D. (2000). Occurrence, causes, and outcome of delirium in patients with advanced cancer. *Archives of Internal Medicine*, 160(6), 786–794.
- Levkoff, S.E., Safran, C., Cleary, P.D., Gallop, J., & Phillips, R.S. (1988). Identification of factors associated with the diagnosis of delirium in elderly hospitalized patients. *Journal of the American Geriatrics Society*, 36(12), 1099–1104.
- Lipov, E.G. (1991). Emergence delirium in the PACU. *Critical Care Nursing Clinics of North America*, 3(1), 145–149.
- Lynch, E.P., Lazor, M.A., Gellis, J.E., Orav, J., Goldman, L., & Marcantonio, E.R. (1998). The impact of postoperative pain on the development of post operative delirium. *Anesthesia & Analgesia*, 86(4), 781–785.
- McCusker, J., Cole, M., Abrahamowicz, M., Han, L., Podoba, J., & Ramman-Haddad, L. (2001). Environmental risk factors for delirium in hospitalized older people. *Journal of the American Geriatrics Society*, 49(10), 1327–1334.
- Marcantonio, E.R., Goldman, L., Mangione, C.M., et al. (1994). A clinical prediction rule for delirium after elective noncardiac surgery. *Journal of the American Medical Association*, 271(2), 134–139.
- Marcantonio, E.R., Simon, S.E., Bergmann, M.A., Jones, R.N., Murphy, K.M., & Morris, J.N. (2003). Delirium symptoms in post-acute care: Prevalent, persistent, and associated with poor functional recovery. *Journal of the American Geriatrics Society*, 51(1), 4–9.
- Massie, M.J. & Holland, J.C. (1992). The cancer patient with pain: psychiatric complications and their management. *Journal of Pain and Symptom Management*, 7(2), 99–109.
- Mentes, J., Culp, J., Maas, M., & Rantz, M. (1999). Acute confusion indicators: risk factors and prevalence using MDS data. *Research in Nursing & Health*, 22(2), 95–105.
- Morita, T., Tei, Y., Tsunoda, J., Inouye, S., & Chihara, S. (2001). Underlying pathologies and their associations with clinical features in terminal delirium of cancer patients. *Journal of Pain and Symptom Management*, 22(6), 997–1006.
- Morrison, R.S., Magaziner, J., Gilbert, M., Koval, K. J., McLaughlin, M.A., Orosz, G., Strauss, E. & Siu, A. (2003). Relationship between pain and opioid analgesics on the development of delirium following hip fracture. *Journal of Gerontology Series A – A Biological Sciences & Medical Sciences*, 58(1), 76–81.
- Nishikawa, K., Nakayama, M., Omote, K., & Namiki, A. (2004). Recovery characteristics and post operative delirium after long-duration laparoscope-assisted surgery in elderly patients: propofol-based vs. sevoflurane-based anesthesia. *Acta Anaesthesiologica Scandinavica*, 48(2), 162–168.
- O'Brien, D. (2002). Acute postoperative delirium: definitions, incidence, recognition, and interventions. *Journal of Peri-Anesthesia Nursing* 17, 384–392.
- Pompei, P., Foreman, M., Rudberg, M., Inouye, S., Braund, V., & Cassel, C. (1994). Delirium in hospitalized older persons: Outcomes and predictors. *Journal of the American Geriatrics Society*, 42, 809–815.
- Pratico, C., Quattrone, D., Lucanto, T., et al. (2005). Drugs of anesthesia acting on central cholinergic system may cause post operative cognitive dysfunction and delirium. *Medical Hypotheses*, 65, 972–982.
- Rockwood, K. (1989). Acute confusion in elderly medical patients. *Journal of the American Geriatrics Society*, 37, 150–154.

- Rolfson, D.B., McElhaney, J.E., Rockwood, K., et al. (1999). Incidence and risk factors for delirium and other adverse outcomes in older adults after coronary artery bypass graft surgery. *Canadian Journal of Cardiology*, 15, 771–776.
- Ross, D.L. (1998). Factors associated with excited delirium, deaths in police custody. *Modern Pathology*, 11, 1127–1137.
- Ruttenber, A.J., Lawler-Heavner, J., Yin, M., Wetli, C.V., Hearn, W.L. & Mash, D.C. (1997). Fatal excited delirium following cocaine use: epidemiological findings provide new evidence for mechanisms of cocaine toxicity. *Journal of Forensic Sciences*, 42(1), 25–31.
- Ruttenber, A.J., McAnally, H.B., & Wetli, C.V. (1999). Cocaine-associated rhabdomyolysis and excited delirium: different stages of the same syndrome. *American Journal of Forensic Medicine & Pathology*, 20(2), 120–127.
- Seymour, D.G., Henschke, P.J., Cape, R.D., & Campbell, A.J. (1980). Acute confusional states and dementia in the elderly: The role of dehydration/volume depletion, physical illness and age. *Age and Ageing*, 9(3), 137–146.
- Schor, J.D., Levkoff, S.E., Lipsitz, L.A., et al. (1992). Risk factors for delirium in hospitalized elderly. *Journal of the American Medical Association*, 267(6), 827–831.
- Schururmans, M.J., Duursma, S.A., Shortridge-Baggett, L.M., Clevers, G., & Pel-Little, R. (2003). Elderly patients with hip fracture: the risk for delirium. *Applied Nursing Research*, 16(2), 75–84.
- Seaman, J.S., Schillerstrom, J., Carroll, D., & Brown, T.M. (2006). Impaired oxidative metabolism precipitates delirium: a study of 101 ICU patients. *Psychosomatics*, 47(1), 56–61.
- Seymour, D.G. & Vaz, F.G. (1989). A prospective study of elderly general surgical patients: II. Post operative complications. *Age and Ageing*, 18(5), 316–326.
- Williams, M.A., Holloway, J.R., Winn, M.C., Wolanin, M.O., Lawler, M.L., Westwick, C.R. & Chin, M.H. (1979). Nursing activities and acute confusional states in elderly hip-fractured patients. *Nursing Research*, 28(1), 25–35.
- Williams-Russo, P., Urquhart, B.L., Sharrock, N.E., & Charlson, M.E. (1992). Post-operative delirium: Prognosis in elderly orthopedic patients. *Journal of the American Geriatrics Society*, 40(8), 759–767.
- Wilson, L.M. (1972). Intensive care delirium. *Archives of Internal Medicine*, 130(2), 225–226.

Risk for acute confusion (00173)

- Agostini, J.V., Leo-Summers, L.S., & Inouye, S.K. (2001). Cognitive and other adverse effects of diphenhydramine use in hospitalized older patients. *Archives of Internal Medicine*, 161(17), 2091–2097.
- Alciati, A., Scaramelli, B., Fusi, A., Butteri, E., Cattameo, M.L., & Mellado, C. (1999). Three cases of delirium after “ecstasy” ingestion. *Journal of Psychoactive Drugs*, 31(2), 167–170.
- Aldemir, M., Ozen, S., Kara, I.H., Sir, A., & Bac, B. (2001). Predisposing factors for delirium in the surgical intensive care unit. *Critical Care*, 5(5), 265–270.
- Bowman, A.M. (1997). Sleep satisfaction, perceived pain and acute confusion in elderly clients undergoing orthopaedic procedures. *Journal of Advanced Nursing*, 26(3), 550–564.
- Brauer, C., Morrison, R.S., Silberzweig, S.B., & Sui, A.L. (2000). The cause of delirium in patients with hip fracture. *Archives of Internal Medicine*, 160(12), 1856–1860.

- Coyle, N., Breitbart, W., Weaver, S., & Portenoy, R. (1994). Delirium as a contributing factor to "crescendo" pain: three case reports. *Journal of Pain and Symptom Management*, 9(1), 44–47.
- Edlund, A., Lundstrom, M., Brannstrom, B., Bucht, G., & Gustafson, Y. (2001). Delirium before and after operation for femoral neck fracture. *Journal of the American Geriatrics Society*, 49(10), 1335–1340.
- Elie, M., Cole, M.G., Primeau, F. J., & Bellavance, F. (1998). Delirium risks factors in elderly hospitalized patients. *Journal of General Internal Medicine* 13(3), 204–212.
- Erkinjuntti, T., Wikstrom, J. Palo, J., & Autio, L. (1986). Dementia among medical inpatients: Evaluation of 2000 Consecutive admissions. *Archives of Internal Medicine*, 146(10), 1923–1926.
- Fisher, B.W. & Flowerdew, G. (1995). A simple model for predicting postoperative delirium in older patients undergoing elective orthopedic surgery. *Journal of the American Geriatric Society*, 43(2), 175–178.
- Foreman, M. (1989). Confusion in the hospitalized elderly: Incidence, onset, and associated factors. *Research in Nursing & Health*, 12(1), 21–29.
- Francis, J., Martin, D., & Kapoor, W. (1990). A prospective study of delirium in hospitalized elderly. *Journal of the American Medical Association*, 263(8), 1097–1101.
- Grandberg, A.I., Malmros, C.W., Bergborn, I.L., & Lundberg, D.B. (2002) Intensive care syndrome/delirium is associated with anemia, drug therapy and duration of ventilation treatment. *Acta Anaesthesiologica Scandinavica*, 46(6), 726–731.
- Gustafson, Y., Berggren, D., Brannstrom, B., et al. (1988). Acute confusional state in elderly patients treated for femoral neck fracture. *Journal of the American Geriatric Association*, 36(6), 525–530.
- Han, L., McCusker, J., Cole, M. Abrahamowiz, M., Primeau, F., & Elie, M. (2001). Use of medications with anticholinergic effect predicts clinical severity of delirium symptoms in older medical inpatients. *Archives of Internal Medicine*, 161(8), 1099–1105.
- Haynes, C. (1999). Emergence delirium: a literature review. *British Journal of Theatre Nursing*, 9(11), 502–510.
- Inouye, S.K. & Charpentier, P.A. (1996). Precipitating factors for delirium in hospitalized elderly persons: Predictive model and interrelationship with baseline vulnerability. *Journal of the American Medical Association*, 275(11), 852–857.
- Jitapunkul, S., Pillay, I., & Ebrahim, S. (1992). Delirium in newly admitted elderly patients: A prospective study. *The Quarterly Journal of Medicine*, 83(300), 307–314.
- Kelly, M. (1997). The best is yet to be. Postoperative delirium in the elderly. *Today's Surgical Nurse*, 19(5), 10–12.
- Koponen, H., Stenback, U., Mattila, E., Soininen, H., Reinikainen, K., & Riekkinen, P. (1989). Delirium among elderly persons admitted to a psychiatric hospital: clinical course during the acute state and one-year follow-up. *Acta Psychiatrica Scandinavica*, 79(6), 579–585.
- Korevaar, J.C., van Munster, B.C., & de Rooij, S.E. (2005). Risk factors for delirium in acutely admitted elderly patients: a prospective cohort study. Retrieved from <http://www.biomedcentral.com/1471-2318/5/6>.
- Lawlor, P.G., Gagnon, B., Mancini, I.L., Pereira, J.L., Hanson, J., Suarez-Almazor, M.E., & Bruera, E.D. (2000). Occurrence, causes, and outcome of delirium in patients with advanced cancer. *Archives of Internal Medicine*, 160(6), 786–794.
- Levkoff, S.E, Saffran, C., Cleary, P.D., Gallop, J., & Phillips, R.S. (1988). Identification of factors associated with the diagnosis of delirium in elderly hospitalized patients. *Journal of the American Geriatrics Society*, 36(12), 1099–1104.

- Lipov, E.G. (1991). Emergence delirium in the PACU. *Critical Care Nursing Clinics of North America*, 3(1), 145–149.
- Lynch, E.P., Lazor, M.A., Gellis, J.E., Orav, J., Goldman, L., & Marcantonio, E.R. (1998). The impact of postoperative pain on the development of post operative delirium. *Anesthesia & Analgesia*, 86(4), 781–785.
- McCusker, J., Cole, M., Abrahamowicz, M., Han, L., Podoba, J., & Ramman-Haddad, L. (2001). Environmental risk factors for delirium in hospitalized older people. *Journal of the American Geriatrics Society*, 49(10), 1327–1334.
- Marcantonio, E.R., Goldman, L., Mangione, C.M., et al. (1994). A clinical prediction rule for delirium after elective noncardiac surgery. *Journal of the American Medical Association*, 271(2), 134–139.
- Marcantonio, E.R., Simon, S.E., Bergmann, M.A., Jones, R.N., Murphy, K.M., & Morris, J.N. (2003). Delirium symptoms in post-acute care: Prevalent, persistent, and associated with poor functional recovery. *Journal of the American Geriatrics Society*, 51(1), 4–9.
- Massie, M.J. & Holland, J.C. (1992). The cancer patient with pain: psychiatric complications and their management. *Journal of Pain and Symptom Management*, 7(2), 99–109.
- Mentes, J., Culp, J., Maas, M., & Rantz, M. (1999). Acute confusion indicators: risk factors and prevalence using MDS data. *Research in Nursing & Health*, 22(2), 95–105.
- Morita, T., Tei, Y., Tsunoda, J., Inouye, S., & Chihara, S. (2001). Underlying pathologies and their associations with clinical features in terminal delirium of cancer patients. *Journal of Pain and Symptom Management*, 22(6), 997–1006.
- Morrison, R.S., Magaziner, J., Gilbert, M., Koval, K. J., McLaughlin, M.A., Orosz, G., Strauss, E. & Siu, A. (2003). Relationship between pain and opioid analgesics on the development of delirium following hip fracture. *Journal of Gerontology Series A – A Biological Sciences & Medical Sciences*, 58(1), 76–81.
- Nishikawa, K., Nakayama, M., Omote, K., & Namiki, A. (2004). Recovery characteristics and post operative delirium after long-duration laparoscope-assisted surgery in elderly patients: propofol-based vs. sevoflurane-based anesthesia. *Acta Anaesthesiologica Scandinavica*, 48(2), 162–168.
- O'Brien, D. (2002). Acute postoperative delirium: definitions, incidence, recognition, and interventions. *Journal of Peri-Anesthesia Nursing* 17, 384–392.
- Pompei, P., Foreman, M., Rudberg, M., Inouye, S., Braund, V., & Cassel, C. (1994). Delirium in hospitalized older persons: Outcomes and predictors. *Journal of the American Geriatrics Society*, 42, 809–815.
- Pratico, C., Quattrone, D., Lucanto, T., et al. (2005). Drugs of anesthesia acting on central cholinergic system may cause post operative cognitive dysfunction and delirium. *Medical Hypotheses*, 65, 972–982.
- Rockwood, K. (1989). Acute confusion in elderly medical patients. *Journal of the American Geriatrics Society*, 37, 150–154.
- Rolfson, D.B., McElhaney, J.E., Rockwood, K., et al. (1999). Incidence and risk factors for delirium and other adverse outcomes in older adults after coronary artery bypass graft surgery. *Canadian Journal of Cardiology*, 15, 771–776.
- Ross, D.L. (1998). Factors associated with excited delirium, deaths in police custody. *Modern Pathology*, 11, 1127–1137.
- Ruttenber, A.J., Lawler-Heavner, J., Yin, M., Wetli, C.V., Hearn, W.L. & Mash, D.C. (1997). Fatal excited delirium following cocaine use: epidemiological findings pro-

- vide new evidence for mechanisms of cocaine toxicity. *Journal of Forensic Sciences*, 42(1), 25–31.
- Ruttenber, A.J., McAnally, H.B., & Wetli, C.V. (1999). Cocaine-associated rhabdomyolysis and excited delirium: different stages of the same syndrome. *American Journal of Forensic Medicine & Pathology*, 20(2), 120–127.
- Seymour, D.G., Henschke, P.J., Cape, R.D., & Campbell, A.J. (1980). Acute confusional states and dementia in the elderly: The role of dehydration/volume depletion, physical illness and age. *Age and Ageing*, 9(3), 137–146.
- Schor, J.D., Levkoff, S.E., Lipsitz, L.A., et al. (1992). Risk factors for delirium in hospitalized elderly. *Journal of the American Medical Association*, 267(6), 827–831.
- Schururmans, M.J., Duursma, S.A., Shortridge-Baggett, L.M., Clevers, G., & Pel-Little, R. (2003). Elderly patients with hip fracture: the risk for delirium. *Applied Nursing Research*, 16(2), 75–84.
- Seaman, J.S., Schillerstrom, J., Carroll, D., & Brown, T.M. (2006). Impaired oxidative metabolism precipitates delirium: a study of 101 ICU patients. *Psychosomatics*, 47(1), 56–61.
- Seymour, D.G. & Vaz, F.G. (1989). A prospective study of elderly general surgical patients: II. Post operative complications. *Age and Ageing*, 18(5), 316–326.
- Williams, M.A., Holloway, J.R., Winn, M.C., Wolanin, M.O., Lawler, M.L., Westwick, C.R. & Chin, M.H. (1979). Nursing activities and acute confusional states in elderly hip-fractured patients. *Nursing Research*, 28(1), 25–35.
- Williams-Russo, P., Urquhart, B.L., Sharrock, N.E., & Charlson, M.E. (1992). Post-operative delirium: Prognosis in elderly orthopedic patients. *Journal of the American Geriatrics Society*, 40(8), 759–767.
- Wilson, L.M. (1972). Intensive care delirium. *Archives of Internal Medicine*, 130(2), 225–226.

Chronic confusion (00129)

- Alfradique De Souza, P. (2015). Concept clarification of nursing diagnoses of impaired memory and chronic confusion. (Accession No. 10137637) [Doctoral Dissertation, The University of Texas Health Science Center at San Antonio]. ProQuest Dissertations Publishing.
- Deutchki, I. M. (2017). What's causing my older patient's cognitive decline?. *The Journal of Family Practice*, 66(11).
- Hugo, J., & Ganguli, M. (2014). Dementia and cognitive impairment: Epidemiology, diagnosis, and treatment. *Clinics in Geriatric Medicine*, 30(3), 421–442. doi:10.1016/j.cger.2014.04.001
- Jesus, I. S., Sena, E. L. S., Meira, E. C., Gonçalves, L. H. T., Alvarez, A. M. (2010). Cuidado sistematizado a idosos com afecção demencial residentes em instituição de longa permanência. [Systematized care for elders with dementia living in a long-stay institution.] *Revista Gaúcha de Enfermagem*, 31(2), 285–292.
- Rocha Guimarães, T. M., Silva Santos, C. S., Corrêa, C. A., da Rocha Pimentel, D., Dias dos Santos, D. C., & Freitas dos Santos, E. D. (2019). Nursing Care Approach Towards an Alcoholic Patient Bearing the Wernicke-Korsakoff Syndrome: Case Study. *Revista de Pesquisa: Cuidado é Fundamental Online*, 11(2), 502–509.
- Santos Louredo, D., Petra Chaves Sá, S., Conceição Leite Funchal Camacho, A., Duarte Câmara, V., Dornellas Louzada, A. B., & Baptista Rodrigues, I. (2014). The relationship between the nursing diagnosis and cognition tests performed on elderlies with Alzheimer's disease. *Revista de Pesquisa: Cuidado e Fundamental*, 6(1), 271–281.

- Souza, P.A., Santana, R.F., & Cassiano, K.M. (2015). Differential validation of nursing diagnoses of impaired memory and chronic confusion. *Journal of Nursing UFPE / Revista de Enfermagem UFPE*, 9078–9085.
- Tomagová, M., & Bóriková, I. (2012). Validation of the nursing diagnosis chronic confusion in Slovak and Czech nursing practices. *Profese Online*, V/1, 1–6. doi: ISSN1803–4330

Labile emotional control (00251)

- Arlazaroff, A., Mester, R., Spivak, B., Klein, C., & Toren, P. (1998). Pathological laughter: Common vs. unusual aetiology and presentation. *The Israel Journal of Psychiatry and Related Sciences*, 35(3), 184–189.
- Arnold, C. (2000). An ocean of emotion: Mood swings, anger, and uncontrollable laughing and crying. *Spring Inside MS*, 18(2), 59–61.
- Backscheider, J.E. (1974). Self-care requirements, self-care capabilities, and nursing systems in the diabetic nurse management clinic. *American Journal of Public Health*, 64(12), 1138–1146.
- Barbanti, P., Fabbrini, G., & Berardelli, A. (2008). Acute pathological laughter induced by sumatriptan. *Cephalalgia*, 28(1), 92–3. Callan, J.A. & Howland, R.H. (2009). Caregivers of loved ones with Alzheimer's disease. *Journal of Psychosocial Nursing*, 47 (11), 13–14.
- Carod-Artal, F.J. (2010). Post stroke depression: can prediction help prevention? *Future Neurology*, 5(4), 569–580.
- Choi-Kwon, S., Han, S.W., Kwon, S.U., Kang, D.W., Choi, J.M., & Kim, J.S. (2006). Fluoxetine treatment in poststroke depression, emotional incontinence, and anger proneness: a double-blind, placebo- controlled study. *Stroke*, 37(1), 156–161.
- Clark, P.C., Dunbar, S.B., Aycock, D.M., Courtney, E., & Wolf, S.L. (2006). Caregiver perspectives of memory and behavior changes in stroke survivors. *Rehabilitation Nursing*, 31(1), 26–32.
- Dark, F.L., McGrath, J.J., & Ron, M.A. (1996). Pathological laughing and crying. *Australian and New Zealand Journal of Psychiatry*, 30, 472–479.
- Doyle-Mooney, K. (2006). An examination of fatigue in advanced childhood cancer. *Journal of Pediatric Oncology Nursing*, 23(6), 305–310.
- Feinstein, A., O'Connor, P., Gray, T., & Feinstein, K. (1999). Pathological laughing and crying in multiple sclerosis: a preliminary report suggesting a role for the prefrontal cortex. *Multiple Sclerosis*, 5, 69–73.
- Hoegerl, C., & Zboray, S. (2008). Pathological laughter in a patient with multiple sclerosis. *The Journal of the American Osteopathic Association*, 108, 408–410.
- Jackson, D., Daly, J., Davidson, P., Elliott, D., Cameron, Traub, E., Wade, V., Chin, C., Salamonson, Y. (2000). Women recovering from first time myocardial infarction (MI): a feminist qualitative study. *Journal of Advanced Nursing*, 32 (6): 1403–1411.
- Kadojic, D., Vladetic, M., Candrljic, M., et al. (2005). Frequency and characteristics of emotional disorders in patients after ischemic stroke. *The European Journal of Psychiatry*, 19(2), 88–95.
- Laurence, R. (1992). Part I: Torture and mental health: A review of the literature. *Issues in Mental Health Nursing*, 13, 301–310. Morris, P.L.P., Robinson, R.G., & Raphael, B. (1993). Emotional lability after stroke. *Australian and New Zealand Journal of Psychiatry*, 27, 601–605.

- Muller, U., Murai, T., Baumer-Wittmund, T., & Von Cramon, D.Y. (1999). Paroxetine versus citalopram treatment of pathological crying after brain injury. *Brain Injury*, 13(10), 805–811.
- Nahas, Z., Arlinghaus, K.A., Kotrla, K.J., Clearman, R.R., & George, M.S. (1998). Rapid response of emotional incontinence to selective serotonin reuptake inhibitors. *Journal of Neuropsychiatry*, 10(4), 453–455.
- Öztürk, Z., Karakuş, G., & Tamam, L. (2008). The efficacy of citalopram in the treatment of poststroke pathological crying: A case report. *Archives of Neuropsychiatry*, 45, 100–102.
- Palmieri, A., Abrahams, S., Soraru, G., Mattiuzzi, L., D'Ascenzo, C., Pegoraro, E., & Angelini, C. (2009). Emotional lability in MND: Relationship to cognition and psychopathology and impact on caregivers. *Journal of the Neurological Sciences*, 278, 16–20.
- Parvizi, J., Anderson, S.W., Martin, C.O., Damasio, H., & Damasio, A.R. (2001). Pathological laughter and crying a link to the cerebellum. *Brain*, 124, 1708–1719.
- Parvizi, J., Arciniegas, D.B., Bernardini, G.L., Hoffmann, M.W., Mohr, J.P., Rapoport, M.J., Schmahmann, J.D., ... Tuhim, S. (2006). Diagnosis and management of pathological laughter and crying. *Mayo Clinic Proceedings*, 81(11), 1482–1486.
- Parvizi, J., Joseph, J., Press, D.Z., & Schmahmann, J.D. (2007). Pathological laughter and crying in patients with multiple system atrophy-cerebellar type. *Movement Disorders*, 22(6), 798–803.
- Robinson-Smith, G. & Gril, J.D. (2007). Recognizing involuntary emotional expression disorder. *Journal of Neuroscience Nursing*, 39(4), 202–207.
- Robinson, R.G., Parikh, R.M., Lipsey, J.R., Starkstein, S.E., Price, T.R. (1993). Pathological laughing and crying following stroke: Validation of a measurement scale and a double-blind treatment study. *The American Journal of Psychiatry*, 150(2), 286–293.
- Simons, J.S. & Carey, K.B. (2006). An affective and cognitive model of marijuana and alcohol problems. *Addictive Behaviors*, 31(9), 1578–1592.
- Smith, R.A., Berg, J.E., Pope, L.E., Callahan, J.D., Wynn, D., & Thisted, R.A. (2004). Validation of the CNS emotional lability scale for pseudobulbar affect (pathological laughing and crying) in multiple sclerosis patients. *Multiple Sclerosis*, 10, 679–685.
- Tang, W.K., Chen, Y., Lam, W.W.M., Mok, V., Wong, A., Ungvari, G.S., ... Sing Wong, K.A. (2009). Emotional incontinence and executive function in ischemic stroke: A case-controlled study. *Journal of the International Neuropsychological Society*, 15, 62–68.
- Tateno, A., Jorge, R.E., & Robinson, R.G. (2004). Pathological laughing and crying following traumatic brain injury. *The Journal of Neuropsychiatry and Clinical Neurosciences*, 16(4), 426–434.
- Turner-Stokes, L., Hassan, N., Pierce, K., & Clegg, F. (2002). Managing depression in brain injury rehabilitation: the use of an integrated care pathway and preliminary report of response to sertraline. *Clinical Rehabilitation*, 16, 261–268.
- Vickery, C.D., Sepehri, A., & Evans, C.C. (2008). Self-esteem in an acute stroke rehabilitation sample: a control group comparison. *Clinical Rehabilitation*, 22, 179–187.
- West, L. & Waldrop, J. (2006). Risperidone use in the treatment of behavioral symptoms in children with autism. *Pediatric Nursing*, 32(6), 545–549.

Ineffective impulse control (00222)

- American Psychiatric Association. (2000). *Diagnostic and Statistical Manual of Mental Disorders*, 4th ed., Text-Revision. Washington, DC; American Psychiatric Association.
- Barkley, R.A., Edwards, G., Laneri, M., Fletcher, K., & Metevia, L. (2001). Executive functioning, temporal discounting, and sense of time in adolescents with attention deficit hyperactivity disorder (ADHD) and oppositional defiant disorder (ODD). *Journal of Abnormal Child Psychology*, 29(6), 541–556.
- Baron-Cohen, S.(1988). An Assessment of violence in young man with Asperger's syndrome. *Journal of Child Psychology and Psychiatry*, 29(3), 351–360.
- Bradley E.A. & Isaacs B.J.(2006). Inattention, hyperactivity, and impulsivity in teenagers with intellectual disabilities, with and without autism. *Canadian Journal of Psychiatry*, 51(9), 598–606.
- Brain Injury Association of Queensland. (2009). Impulsivity - Fact Sheet. Retrieved from <http://braininjury.org.au/portal/behavioural/impulsivity—factsheet.html>.
- Cloninger, C.R. (1987). A Systematic method for clinical description and classification of personality variants. A proposal. *Archives of General Psychiatry*, 44(6), 573–588.
- Coffey, S.F., Gudleski, G.D., Saladin, M.E., & Brady, K.T., (2003). Impulsivity and rapid discounting of delayed hypothetical rewards in cocaine-dependent individuals. *Experimental and Clinical Psychopharmacology*, 11(1), 18–25.
- Conner, K.R. and Duberstein. P.R. (2004). Predisposing and precipitating factors for suicide among alcoholic: Empirical review and conceptual integration. *Alcoholism, Clinical And Experimental Research*, 28(5 Suppl), 6S-17S.
- The Hare Psychopathy Checklist Revised. Toront : Multi-Health Systems. Madden, G. J., Petry, N.M., Bader, G.J., & Bickel, W.K. (1997) Impulsive and self-control choices in opioid-dependent patients and non-drug-using control participants: drug and monetary rewards. *Experimental and Clinical Psychopharmacology*, 5(3), 256–262.
- Moeller, F.G., Barrtt, E.S., Dougherty, D.M. et al. (2001). Psychiatric aspects of impulsivity. *American Journal of Psychiatry*, 158(11), 1783–1793.
- Petry, N.M. and Casarella, T. (1999). Excessive discounting of delayed rewards in substance abusers with gambling problem. *Drug and Alcohol Dependence*, 56(1), 25–32.
- Reynolds, B., Karraker, K., Horn, K., & Richards, J.B. (2003). Delay and probability discounting as related to different stages of adolescent smoking and nonsmoking. *Behavioural Processes*, 64(3), 333–344.
- Verdejo-García A, Bechara A., et al., (2007). Negative emotion-driven impulsivity predicts substance dependence problems, *Drug and Alcohol Dependence*, 91(2–3), 213–219.
- Vuchinich, R.E. and Simpson, C.A., (1998). Hyperbolic temporal discounting in social drinkers and problem drinkers. *Experimental and Clinical Psychopharmacology*, 6 (3), 292–305.

Deficient knowledge (00126)

- Azzolin KO, Lemos DM, Lucena AF, Rabelo-Silva ER. Home-based nursing interventions improve knowledge of disease and management in patients with heart failure. *Rev. Latino-Am. Enfermagem*. 2015; 23(1):44–50
- Bader F, et al. Nurse-led education for heart failure patients in developing countries. *British Journal of Nursing*. 2018; 27(12) 690–696

- Bertuzzi D, Souza EN, Moraes MA, Mussi C, Rabelo ER. Conhecimento do paciente com insuficiência cardíaca no contexto domiciliar: estudo experimental. *Online Brazilian Journal of Nursing*. 2012; 11 (3): 1–8.
- Bonin CDB, Santos RZ, Ghisi GL, Vieira AM, Amboni R, Benetti M. Construção e Validação do Questionário de Conhecimentos para Pacientes com Insuficiência Cardíaca. *Arq Bras Cardiol*. 2014; 102(4):364–373
- Chen J, Zhao H, Hao S, Xie J, Ouyang Y, Zhao S. Motivational interviewing to improve the self-care behaviors for patients with chronic heart failure: A randomized controlled trial. *International Journal of Nursing Sciences*. 2018; Feb;99(2):256–64.
- Dadosky A, et al. Telemanagement of Heart Failure Patients Across the Post-Acute Care Continuum. *TELEMEDICINE and e-HEAL*. MARY ANN LIEBERT, INC. 2018; 24(5):360–6
- Davis KK, Mintzer M, Himmelfarb CRD, Hayat MJ, Rotman S, Allen J. Targeted intervention improves knowledge but not self-care or readmissions in heart failure patients with mild cognitive impairment. *European Journal of Heart Failure*. 2012; 14: 1041–1049.
- Domingues FB, Clausell N, Aliti GB, Dominguez DR, Rabelo ER. Educação e Monitorização por Telefone de Pacientes com Insuficiência Cardíaca: Ensaio Clínico Randomizado. *Arq Bras Cardiol* 2011;96(3):233–239
- Freitas MT, Püschel VAA. Insuficiência cardíaca: expressões do conhecimento das pessoas sobre a doença. *Rev Esc Enferm USP*. 2013; 47(4): 922–9.
- Heo S, Lennie TA, Moser DK, Okoli C. Heart failure patients' perceptions on nutrition and dietary adherence. *European Journal of Cardiovascular Nursing*. 2009; 8: 323–328.
- Hwang B, Moser DK. Knowledge Is Insufficient for Self-Care Among Heart Failure Patients With Psychological Distress. *Health Psychology*. 2014; 33 (7) 588–596
- Jost J. Knowledge. *Theory Biosci*. 2017;136(1–2):1–17.
- Lee KS, Moser DK, Dracup K. Relationship between self-care and comprehensive understanding of heart failure and its signs and symptoms. *European Journal of Cardiovascular Nursing*. 2018; 17(6).
- Machado CGD, Wansing GB, Klein C, Moraes MAP, Rabelo-Silva ER. Conhecimento do enfermeiro sobre Insuficiência Cardíaca em Hospital Geral. *Rev. Enfermagem UFSM*. 2014; 4 (4):710–717
- Margoto G, Colombo RCR, Gallani MCBJ. Clinical and psychosocial features of heart failure patients admitted for clinical decompensation. *Rev Esc Enferm USP*. 2009; 43 (1):41–9
- Plotka A, Prokop E, Migaj J, Straburzynsk-Migaj E, Grajek S. Patients' knowledge of heart failure and their perception of the disease. *Patient Preference and Adherence*. 2017; 11: 1459–1467
- Saccomann ICRS, Cintra FA, Gallani MCBJ. Factors associated with beliefs about adherence to non-pharmacological treatment of patients with heart failure. *Rev. Esc. Enferm. USP*. 2014; 48(1):18–24
- Souza EN, et al. A nurse-based strategy reduces heart failure morbidity in patients admitted for acute decompensated heart failure in Brazil: the HELEN-II clinical trial. *European Journal of Heart Failure*. 2014; 16: 1002–1008
- Sundel S, Ea EE. An Educational Intervention to Evaluate Nurses' Knowledge of Heart Failure. *The Journal of Continuing Education in Nursing*. 2018; 49 (7) 315–21

- Turrise S. Illness Representations, Treatment Beliefs, Medication Adherence, and 30-Day Hospital Readmission in Adults With Chronic Heart Failure. A Prospective Correlational Study. *Journal of Cardiovascular Nursing*. 2016; 31 (3) 245–254.
- Van der Wal MHL, Jaarsma T, Moser DK, PhD, Van Gilst WH, Van Veldhuisen DJ. Qualitative examination of compliance in heart failure patients in The Netherlands. *Heart & Lung*. 2010; 39: 121–130.
- Wang T-C, Huang J-L, Ho W-C, Chiou A-F. Effects of a supportive educational nursing care programme on fatigue and quality of life in patients with heart failure: a randomised controlled trial. *European Journal of Cardiovascular Nursing*. 2016;15 (2): 157–67
- Wu J-R, Reilly CM, Holland J, Higgins M, Clark PC, Dunbar SB. Relationship of Health Literacy of Heart Failure Patients and Their Family Members on Heart Failure Knowledge and Self-Care. *Journal of Family Nursing*. 2017; 23(1) 116–137.
- Zeng W, Chia SY, Chan YH, Tan SC, Low EJH, Fong MK. Factors impacting heart failure patients' knowledge of heart disease and self-care management. *Proceedings of Singapore Healthcare* 2017; 26(1) 26–34

Readiness for enhanced knowledge (00161)

- Azzolin KO, Lemos DM, Lucena AF, Rabelo-Silva ER. Home-based nursing interventions improve knowledge of disease and management in patients with heart failure. *Rev. Latino-Am. Enfermagem*. 2015; 23(1):44–50
- Bader F, et al. Nurse-led education for heart failure patients in developing countries. *British Journal of Nursing*. 2018; 27(12) 690–696
- Bertuzzi D, Souza EN, Moraes MA, Mussi C, Rabelo ER. Conhecimento do paciente com insuficiência cardíaca no contexto domiciliar: estudo experimental. *Online Brazilian Journal of Nursing*. 2012; 11 (3): 1–8.
- Bonin CDB, Santos RZ, Ghisi GL, Vieira AM, Amboni R, Benetti M. Construção e Validação do Questionário de Conhecimentos para Pacientes com Insuficiência Cardíaca. *Arq Bras Cardiol*. 2014; 102(4):364–373
- Chen J, Zhao H, Hao S, Xie J, Ouyang Y, Zhao S. Motivational interviewing to improve the self-care behaviors for patients with chronic heart failure: A randomized controlled trial. *International Journal of Nursing Sciences*. 2018; Feb;99(2):256–64.
- Dadosky A, et al. Telemanagement of Heart Failure Patients Across the Post-Acute Care Continuum. *TELEMEDICINE and e-HEAL*. MARY ANN LIEBERT, INC. 2018; 24(5):360–6
- Davis KK, Mintzer M, Himmelfarb CRD, Hayat MJ, Rotman S, Allen J. Targeted intervention improves knowledge but not self-care or readmissions in heart failure patients with mild cognitive impairment. *European Journal of Heart Failure*. 2012; 14: 1041–1049.
- Domingues FB, Clausell N, Aliti GB, Dominguez DR, Rabelo ER. Educação e Monitorização por Telefone de Pacientes com Insuficiência Cardíaca: Ensaio Clínico Randomizado. *Arq Bras Cardiol* 2011;96(3):233–239
- Freitas MT, Püschel VAA. Insuficiência cardíaca: expressões do conhecimento das pessoas sobre a doença. *Rev Esc Enferm USP*. 2013; 47(4): 922–9.
- Heo S, Lennie TA, Moser DK, Okoli C. Heart failure patients' perceptions on nutrition and dietary adherence. *European Journal of Cardiovascular Nursing*. 2009; 8: 323–328.
- Hwang B, Moser DK. Knowledge Is Insufficient for Self-Care Among Heart Failure Patients With Psychological Distress. *Health Psychology*. 2014; 33 (7) 588–596

- Jost J. Knowledge. *Theory Biosci.* 2017;136(1–2):1–17.
- Lee KS, Moser DK, Dracup K. Relationship between self-care and comprehensive understanding of heart failure and its signs and symptoms. *European Journal of Cardiovascular Nursing.* 2018; 17(6).
- Machado CGD, Wansing GB, Klein C, Moraes MAP, Rabelo-Silva ER. Conhecimento do enfermeiro sobre Insuficiência Cardíaca em Hospital Geral. *Rev. Enfermagem UFSM.* 2014; 4 (4):710–717
- Margoto G, Colombo RCR, Gallani MCBJ. Clinical and psychosocial features of heart failure patients admitted for clinical decompensation. *Rev Esc Enferm USP.* 2009; 43 (1):41–9
- Plotka A, Prokop E, Migaj J, Straburzynsk-Migaj E, Grajek S. Patients' knowledge of heart failure and their perception of the disease. *Patient Preference and Adherence.* 2017; 11: 1459–1467
- Saccomann ICRS, Cintra FA, Gallani MCBJ. Factors associated with beliefs about adherence to non-pharmacological treatment of patients with heart failure. *Rev. Esc. Enferm. USP.* 2014; 48(1):18–24
- Souza EN, et al. A nurse-based strategy reduces heart failure morbidity in patients admitted for acute decompensated heart failure in Brazil: the HELEN-II clinical trial. *European Journal of Heart Failure.* 2014; 16: 1002–1008
- Sundel S, Ea EE. An Educational Intervention to Evaluate Nurses' Knowledge of Heart Failure. *The Journal of Continuing Education in Nursing.* 2018; 49 (7) 315–21
- Turrise S. Illness Representations, Treatment Beliefs, Medication Adherence, and 30-Day Hospital Readmission in Adults With Chronic Heart Failure. A Prospective Correlational Study. *Journal of Cardiovascular Nursing.* 2016; 31 (3) 245–254.
- Van der Wal MHL, Jaarsma T, Moser DK, PhD, Van Gilst WH, Van Veldhuisen DJ. Qualitative examination of compliance in heart failure patients in The Netherlands. *Heart & Lung.* 2010; 39: 121–130.
- Wang T-C, Huang J-L, Ho W-C, Chiou A-F. Effects of a supportive educational nursing care programme on fatigue and quality of life in patients with heart failure: a randomised controlled trial. *European Journal of Cardiovascular Nursing.* 2016;15 (2): 157–67
- Wu J-R, Reilly CM, Holland J, Higgins M, Clark PC, Dunbar SB. Relationship of Health Literacy of Heart Failure Patients and Their Family Members on Heart Failure Knowledge and Self-Care. *Journal of Family Nursing.* 2017; 23(1) 116–137.
- Zeng W, Chia SY, Chan YH, Tan SC, Low EJH, Fong MK. Factors impacting heart failure patients' knowledge of heart disease and self-care management. *Proceedings of*

Impaired memory (00131)

- Alfradique De Souza, P. (2015). Concept clarification of nursing diagnoses of impaired memory and chronic confusion. (Accession No. 10137637) [Doctoral Dissertation, The University of Texas Health Science Center at San Antonio]. ProQuest Dissertations Publishing.
- Andro, M., Le Squire, P., Estivin, S., & Gentric, A. (2013). Anemia and cognitive performances in the elderly: A systematic review. *European Journal of Neurology*, 20 (9), 1234–1240. doi:10.1111/ene.12175
- Chaves, E. H., Barros, A. L., & Marini, M. (2010). Aging as a related factor of the nursing diagnosis impaired memory: Content validation. *International Journal of Nursing Terminologies and Classifications*, 21(1), 14–20. doi:10.1111/j.1744-618X.2009.01140.x

- Lima Ferreira, G., Oliveira Lopes, M. V., Montoril, M. H., Diniz, C. M., & Santana, R. F. (2019). Clinical validation of the nursing diagnosis of impaired memory in patients with a stroke. *Japan Journal of Nursing Science*, 16(2), 136–144.
- Montoril, M. H., Lopes, M. V. O., Santana, R. F., Sousa, V. E. C., Carvalho, P. M. O., Diniz, C. M., ... Menezes, A. P. (2016). Clinical validation of the NANDA-I diagnosis of impaired memory in elderly patients. *Applied Nursing Research*, 30, 32–37.
- Petersen, R. C., Caracciolo, B., Brayne, C., Gauthier, S., Jelic, V., & Fratiglioni, L. (2014). Mild cognitive impairment: A concept in evolution. *Journal of Internal Medicine*, 275(3), 214–228. doi:10.1111/joim.12190
- Souza Costa, T. M., Souza Neto, V. L., Melo da Cruz Domingos, M., Coeli Oliveira da Silva, B., Dantas Campos Verdes Rodrigues, I., & Rosendo da Silva, R. A. (2016). A profile of nursing diagnoses in patients with multiple sclerosis: a cross-sectional study. *Online Brazilian Journal of Nursing*, 15(3), 433–442.
- Souza, P. A., & Santana, R. F. (2011). The nursing diagnosis, impaired memory, in hospitalized elderly. *Acta Paulista de Enfermagem*, 24(1), 36–42.
- Souza, P.A., Santana, R.F., & Cassiano, K.M. (2015). Differential validation of nursing diagnoses of impaired memory and chronic confusion. *Journal of Nursing UFPE / Revista de Enfermagem UFPE*, 9078–9085.

Disturbed thought process (00279)

- Chung, M.-H., Chiang, I.-J., Chou, K.-R., Chu, H., & Chang, H.-J. (2010). Inter-rater and intra-rater reliability of nursing process records for patients with schizophrenia. *Journal of Clinical Nursing*, 19(21–22), 3023–3030. doi:10.1111/j.13652702.2010.03301.x
- Escalada Hernández, P. (2015). Validación de contenido del diagnóstico de enfermería "Trastorno de los Procesos de Pensamiento". [Content validation of the nursing diagnosis "Disturbed Thought Processes"] (Doctoral dissertation), Universidad Pública de Navarra, Pamplona. Retrieved 09/07/2016, from <http://academicae.unavarra.es/handle/2454/19356>
- Escalada Hernández, P., Muñoz Hermoso, P., & Marro Larrañaga, I. (2013). Atención de enfermería a pacientes psiquiátricos NANDA-NIC-NOC: una revisión de la literatura [Nursing care for psychiatric patients defined by NANDA-NIC-NOC terminology: a literature review]. *Revista ROL de Enfermería*, 36(3), 14–16, 19–25.
- Escalada-Hernández, P., & Marín-Fernández, B. (2018). The Nursing Diagnosis Disturbed Thought Processes : An Integrative Review. *International Journal of Nursing Knowledge*, 29(4), 253–262. doi:10.1111/2047–3095.12186
- Escalada-Hernández, P., & Marín-Fernández, B. (2016). The nursing diagnosis disturbed thought processes in psychiatric patients: prevalence and associated characteristics. *International Journal of Nursing Knowledge*, 27(3):156–161. doi:10.1111/20473095.12091
- Escalada-Hernández, P., Muñoz-Hermoso, P., González-Fraile, E., Santos, B., GonzálezVargas, J. A., Feria-Raposo, I., ... González, E. N. (2015). A retrospective study of nursing diagnoses, outcomes, and interventions for patients with mental disorders. *Applied Nursing Research*, 28(2), 92–98. doi:10.1016/j.apnr.2014.05.006
- Frauenfelder, F., Müller-Staub, M., Needham, I., & Van Achterberg, T. (2011). Nursing phenomena in inpatient psychiatry. *Journal of Psychiatric and Mental Health Nursing*, 18(3), 221–235.
- Ganesalingam, K., Yeates, K. O., Taylor, H. G., Walz, N. C., Stancin, T., & Wade, S. (2011). Executive functions and social competence in young children 6 months fol-

- lowing traumatic brain injury. *Neuropsychology*, 25(4), 466–476. doi:dx.doi.org/10.1037/a0022768
- García-Molina, A., Guitart Bernabeu, M., & Roig-Rovira, T. (2010). Traumatismo craneoencefálico y vida cotidiana: el papel de las funciones ejecutivas [Traumatic brain injury and daily life: The role of executive function]. *Psicothema*, 22(3), 430–435. Retrieved 09/07/2016 from <http://www.uniovi.es/reunido/index.php/PST/article/view/8873>
- Gioia, G. A., Kenworthy, L., & Isquith, P. K. (2010). Executive function in the real world: Lessons from Mark Ylvisaker. *The Journal of Head Trauma Rehabilitation*, 25(6), 433–439. doi: 10.1097/HTR.0b013e3181fbc272
- Hancock, C. K., Munjas, B., Berry, K., & Jones, J. (1994). Altered Thought Processes and Sensory / Perceptual Alterations: A Critique. *International Journal of Nursing Terminologies and Classifications*, 5(1), 26–30. doi:10.1111/j.1744618X.1994.tb00364.x
- Hong, H., Park, J., & Park, W. (2015). Usage Patterns of Nursing Diagnoses among Student Nurses in Psychiatric Unit: Relation with NANDA and SNOMED CT. *Journal of Korean Academy of Psychiatric & Mental Health Nursing*, 24(1), 1–11. doi:10.12934/jkpmhn.2015.24.1.1
- Kim, M. J., McFarland, G. K., & McLane, A. M. (1994). *Diagnóstico en enfermería: Guía clínica de enfermería*. Barcelona: Mosby.
- Kudlicka, A., Clare, L., & Hindle, J. V. (2013). Awareness of executive deficits in people with Parkinson's Disease. *Journal of the International Neuropsychological Society*, 19(05), 559–570. doi: doi:10.1017/S1355617713000064
- Kudlicka, A., Clare, L., & Hindle, J. V. (2014). Quality of life, health status and caregiver burden in Parkinson's disease: relationship to executive functioning. *International Journal of Geriatric Psychiatry*, 29(1), 68–76. doi:10.1002/gps.3970
- Marshall, G. A., Rentz, D. M., Frey, M. T., Locascio, J. J., Johnson, K. A., & Sperling, R. A. (2011). Executive function and instrumental activities of daily living in mild cognitive impairment and Alzheimer's disease. *Alzheimer's & Dementia*, 7(3), 300–308. doi:10.1016/j.jalz.2010.04.005
- Martyr, A., & Clare, L. (2012). Executive function and activities of daily living in Alzheimer's Disease: A correlational meta-analysis. *Dementia and Geriatric Cognitive Disorders*, 33(2–3), 189–203. doi:10.1159/000338233
- Mayo, A. M., Wallhagen, M., Cooper, B. A., Mehta, K., Ross, L., & Miller, B. (2013). The relationship between functional status and judgment/problem solving among individuals with dementia. *International Journal of Geriatric Psychiatry*, 28(5), 514–521.
- Mynaříková, E., & Žiaková, K. (2014). The use of nursing diagnoses in clinical practice. *Central European Journal of Nursing and Midwifery*, 5(3), 117–126. doi:10.15452/CEJNM.2014.05.0006
- Persoon, A., Banningh, L. J., van de Vrie, W., Rikkert, M. G., & van Achterberg, T. (2011). Development of the Nurses' Observation Scale for Cognitive Abilities (NOS-CA). *International Scholarly Research Network Nursing*, 895082.
- Rocha Guimarães, T. M., Silva Santos, C. S., Corrêa, C. A., da Rocha Pimentel, D., Dias dos Santos, D. C., & Freitas dos Santos, E. D. (2019). Nursing Care Approach Towards an Alcoholic Patient Bearing the Wernicke-Korsakoff Syndrome: Case Study. *Revista de Pesquisa: Cuidado e Fundamental*, 11(2), 502–509. doi:10.9789/2175531.2019.v11i2.502–509

- Romero-Sánchez, J. M., Paramio-Cuevas, J. C., Paloma-Castro, O., Pastor-Montero, S. M., O'Ferrall-González, C., Gabaldón-Bravo, E. M., ... Frandsen, A. J. (2013). The Spanish version of the Position on Nursing Diagnosis scale: cross-cultural adaptation and psychometric assessment. *Journal of Advanced Nursing*, 69(12), 2759–2771. doi:10.1111/jan.12128
- Tosato, M., Lukas, A., Van Der Roest, H. G., Danese, P., Antocicco, M., Finne-Soveri, H., ... Onder, G. (2012). Association of pain with behavioral and psychiatric symptoms among nursing home residents with cognitive impairment: Results from the SHELTER study. *Pain*, 153(2), 305–310. doi:10.1016/j.pain.2011.10.007
- Vance, D. E., Dodson, J. E., Watkins, J., Kennedy, B. H., & Keltner, N. L. (2013). Neurological and psychiatric diseases and their unique cognitive profiles: implications for nursing practice and research. *Journal of Neuroscience Nursing*, 45(2), 77–87. doi:10.1097/JNN.0b013e3182829038
- Vaughan, L., & Giovanello, K. (2010). Executive function in daily life: Age-related influences of executive processes on instrumental activities of daily living. *Psychology and Aging*, 25(2), 343–355. doi:dx.doi.org/10.1037/a0017729
- Verdejo-García, A., & Bechara, A. (2010). Neuropsicología de las funciones ejecutivas. [Neuropsychology of executive functions]. *Psicothema*, 22(2), 227–235. Retrieved 09/07/2016 from <http://www.unioviedo.es/reunido/index.php/PST/article/view/8895>

5.5 Class 5. Communication

Readiness for enhanced communication (00157)

None at this time.

Impaired verbal communication (00051)

- Chaves, D. B. R.; et al. Comunicação verbal prejudicada - investigação no período pós-acidente vascular encefálico. *Rev Rene*. v. 14; n. 5, p. 877–85, 2013.
- Oxford Reference. Verbal communication. Available from: <https://www.oxfordreference.com/view/10.1093/oi/authority.20110803115457102>
- Puggina, A. C. G.; et al. Diagnóstico de enfermagem comunicação verbal prejudicada na prática clínica: uma revisão integrativa. *REFACS* (online), v. 4, n. 2, p. 135–44, 2016.
- Severo AH, Carvalho ZMF, Lopes MVO, Brasileiro RSF, Braga DCO. Impaired Verbal Communication: diagnosis review in patients with Amyotrophic Lateral Sclerosis

6 Domain 6. Self-perception

6.1 Class 1. Self-concept

Hopelessness (00124)

- Bahareh Eslami, Adrienne H. Kovacs, Philip Moons, Kyomars Abbasi, Jamie L. Jackson. Hopelessness among adults with congenital heart disease: Cause for despair or hope? *International Journal of Cardiology* 230 (2017) 64–69. doi:10.1016/j.ij-card.2016.12.090.
- Bai, Q., Bai, S., Huang, Y., Hsueh, F. H., & Wang, P. (2020). Family Incivility and Cyberbullying in Adolescence: A Moderated Mediation Model of Hopelessness and Emotional Intelligence. *Computers in Human Behavior*, 106315.
- Beck AT, Weissman A, Lester D, Trexler L. The measurement of pessimismo: the hopelessness scale. *J Consult Clin Psychol*. 1974;42(6):861–5.
- Benzein E, Saveman BI. One step towards the understanding of hope: a concept analysis. *Int J Nurs Stud*. 1998; 35(6):322–329.
- Dunn, SL, Robbins, LB, Smith, SW, Ranganathan, R., DeVon, HÁ, Collins, EG,... Tinkle, NL (2019). Melhorando a atividade física em pacientes cardíacos que relatam desesperança: Teste de viabilidade de uma intervenção. *Health Education Journal*, 78 (2), 226–237.
- Haase, J. E., Britt, T., Coward, D. D., Leidy, N. K., & Penn, P. E. (1992). Simultaneous Concept Analysis of Spiritual Perspective, Hope, Acceptance and Self-transcendence. *Image: The Journal of Nursing Scholarship*, 24(2), 141–147. Doi:10.1111/j.1547-5069.1992.tb00239.x
- Hanna, D., White, R., Lyons, K., McParland, M. J., Shannon, C., & Mulholland, C. (2011). The structure of the Beck Hopelessness Scale: A confirmatory factor analysis in UK students. *Personality and Individual Differences*, 51(1), 17–22.
- Herth K. Abbreviated instrument to measure hope: development and psychometric evaluation. *J Adv Nurs*. 1992;17:1251–1259.
- Herth K. Herth Hope Index [Internet]. 1999. Available from: <http://www.Dvidence-project.org/wp-content/uploads/Hope-Index1.pdf>. [cited 10 Jan 2019]
- Janzen, K., & Perry, B. (2015). Taking action: Na exploration of the actions of exemplar oncology nurses when there is a sense of hopelessness and futility perceived by registered nurses at diagnosis, during treatment, and in palliative situations. *Canadian Oncology Nursing Journal / Revue Canadienne De Soins Infirmiers Em Oncologie*, 25(2), 179–185.
- Johnson, S. (2007). Hope in terminal illness: na evolutionary concept analysis. *International Journal of Palliative Nursing*, 13(9), 451–459. Doi:10.12968/ijpn.2007.13.9.27418.
- Júnior, J. A. S. H., Fernandes, A. L. A. F., Medeiros, A. G. A. P., Vasconcelos, C. A. C., Amorim, L. L. L., Queiroga, M. F. S., & Araújo, R. C. T. (2018). Hopelessness in the elderly: A systematic review. *MOJ Gerontology & Geriatrics*, 3(4), 273–278.
- Kao YC, Liu YP, Lu CW. Beck Hopelessness Scale: exploring its dimensionality in patients with schizophrenia. *Psychiatr Q*. 2012 Jun;83(2):241–55.
- Kliem S, Lohmann A, Mößle T, Brähler E. Psychometric properties and measurement invariance of the Beck hopelessness scale (BHS): results from a German representa-

- tive population sample. *BMC Psychiatry*. 2018 Apr 25;18(1):110. doi:10.1186/s12888-018-1646-6.
- Kocalevent RD, Finck C, Pérez-Trujillo M, Sautier L, Zill J, Hinz A. Standardization of the Beck Hopelessness Scale in the general population. *J Ment Health*. 2017 Dec;26(6):516–522.
- Mac Giollabhui, N., Nielsen, J., Seidman, S., Olino, T. M., Abramson, L. Y., & Alloy, L. B. (2018). The development of future orientation is associated with faster decline in hopelessness during adolescence. *Journal of youth and adolescence*, 47(10), 2129–2142.
- MacLeod AK, Tata P, Tyrer P, Schmidt U, Davidson K, Thompson S. Hopelessness and positive and negative future thinking in parasuicide. *Br J Clin Psychol*. 2005 Nov;44(Pt 4):495–504. doi:10.1348/014466505X35704
- Madani H, Pourmemari M, Moghimi M, Rashvand F. Hopelessness, Perceived Social Support and their Relationship in Iranian Patients with Cancer. *Asia Pac J Oncol Nurs*. 2018;5(3):314–319. Doi: 10.4103/apjon.apjon_5_18.
- Nehir, S., Tavşanlı, N. G., Özdemir, Ç., & Akyol, T. (2017). A Determination of Hopelessness and the Perception of Illness in Cancer. *OMEGA – Journal of Death and Dying*. DOI:
- Procter, N. G., Kenny, M. A., Eaton, H., & Grech, C. (2018). Lethal hopelessness: Understanding and responding to asylum seeker distress and mental deterioration. *International journal of mental health nursing*, 27(1), 448–454.
- Stavarski, DH, Alexander, RK, Ortiz, SN, Wasser, T. Explorando as percepções de esperança e esperança dos enfermeiros e pacientes – engendrando intervenções de enfermeira em um serviço de transtorno alimentar: Um estudo descritivo transversal. *J Enfermeira da Saúde Mental Psiquiátrica*. 2019; 26 : 29 – 38.
- Temel, M. e Kutlu, F. (2015). Gordon's model applied to nursing care of people with depression. *Int Nurs Ver*, 62: 563–572.

Readiness for enhanced hope (00185)

- Benzein E, Saveman BI. One step towards the understanding of hope: a concept analysis. *Int J Nurs Stud*. 1998; 35(6):322–329
- Benzein EG, Berg AC. The level of and relation between hope, hopelessness and fatigue in patients and family members in palliative care. *Palliat Med*. 2005; 19(3):234–240
- Davis B. Mediators of the relationship between hope and well-being in older adults. *Clin Nurs Res*. 2005; 14(3):253–272
- Herth K. Abbreviated instrument to measure hope: development and psychometric evaluation. *J Adv Nurs*. 1992;17:1251–1259.
- Herth K. Herth Hope Index [Internet]. 1999. Available from: <http://www.dvevidence-project.org/wp-content/uploads/Hope-Index1.pdf>. [cited 10 Jan 2019]
- Redlich-Amirav D, Ansell LJ, Harrison M, Norrena KL, Armijo-Olivo S. Psychometric properties of Hope Scales: A systematic review. *Int J Clin Pract*. 2018 Jul;72(7): e13213.
- Silva RA, Melo GAA, Caetano, Joselany A, Lopes MVO, Butcher HK, & Silva VM. (2017). Accuracy of nursing diagnosis “readiness for enhanced hope” in patients with chronic kidney disease. *Revista Gaúcha de Enfermagem*, 38(2), e65768.
- Stephenson C. The concept of hope revisited for nursing. *J Adv Nurs*. 1991;16:1456–1461.

Risk for compromised human dignity (00174)

- Haddock, J. (1996). Towards further clarification of the concept "dignity". *Journal of Advanced Nursing*, 24(5), 924–931.
- Mairis, E. (1994). Concept clarification of professional practice dignity. *Journal of Advanced Nursing*, 19(5), 947–953.
- Shotton, L. & Seedhouse, D. (1998). Practical dignity in caring. *Nursing Ethics*, 5(3), 246–255.
- Walsh, K. & Kowanko, I. (2002). Nurses' and patients' perceptions of dignity. *International Journal of Nursing Practice*, 8(3), 143–151.
- Watson, J. (1995). *Nursing and the philosophy and science of caring*. University of Colorado Press. Niwot, CO.

Disturbed personal identity (00121)

- Bender, D. & Skodol, A. (2007). Borderline Personality as a self-other Representational Disturbance. *J Personal Disord*, 21(5), 500–17.
- Bergh, S. & Erling, A. (2006). Adolescent identity formation: a Swedish study of identity status using the EOM-EIS-II. *Adolescence* 6, 22.
- Erikson, E.H. (1982). *Identitet: ungdom og kriser* [Identity: youth and crisis, (1968)]. Denmark: Hans Reitzel.
- Evang, A. (2003). *Utvikling, personlighet og borderline* [Development, personality and borderline]. Norway: Cappelen Akademisk Forlag.
- Fuchs, T. (2007). Fragmented selves: temporality and identity in borderline personality disorder. *Psychopathology*, 40(6), 379–388. Mitchell A. (1985). The borderline diagnosis and integration of self. *American Journal of Psychoanalysis*, 45, 234–250.

Risk for disturbed personal identity (00225)

- Bender, D. & Skodol, A. (2007). Borderline Personality as a self-other Representational Disturbance. *J Personal Disord*, 21(5), 500–17.
- Bergh, S. & Erling, A. (2006). Adolescent identity formation: a Swedish study of identity status using the EOM-EIS-II. *Adolescence* 6, 22.
- Erikson, E.H. (1982). *Identitet: ungdom og kriser* [Identity: youth and crisis, (1968)]. Denmark: Hans Reitzel.
- Evang, A. (2003). *Utvikling, personlighet og borderline* [Development, personality and borderline]. Norway: Cappelen Akademisk Forlag.
- Fuchs, T. (2007). Fragmented selves: temporality and identity in borderline personality disorder. *Psychopathology*, 40(6), 379–388. Mitchell A. (1985). The borderline diagnosis and integration of self. *American Journal of Psychoanalysis*, 45, 234–250.

Readiness for enhanced self-concept (00167)

None at this time.

6.2 Class 2. Self-esteem**Chronic low self-esteem (00119)**

- Akande WA. How Well do You Know Me: Culture and the Self. STA [Internet]. 8 Nov. 2010 [cited 8 May 2019];26:131–46. Available from: <http://www.journals.vu.lt/sociologija-mintis-ir-veiksmas/article/view/60990>

- Akiki, Salwa et al. Determinants of maternal antenatal state-anxiety in mid-pregnancy: Role of maternal feelings about the pregnancy. *Journal of Affective disorders*, v. 196, p. 260–267, 2016.
- Bandura A. *Self-efficacy: The exercise of control*. 1st ed. New York, NY: Worth Publishers; 1997.
- Doré C. Self esteem: A concept analysis. In *Recherche en soins infirmiers*. 2017; 129 (2):18–26.
- Biaggi, Alessandra et al. Identifying the women at risk of antenatal anxiety and depression: a systematic review. *Journal of affective disorders*, v. 191, p. 62–77, 2016.
- Cavalcante Joyce Carolle Bezerra, Sousa Vanessa Emille Carvalho de, Lopes Marcos Venícios de Oliveira. Baixa autoestima situacional em gestantes: uma análise de acurácia. *Rev. bras. enferm.* [Internet]. 2012 Dec [cited 2020 June 28]; 65(6): 977–983. Available from: [http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0034-71672012000600014](http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0034-71672012000600014&lng=en) &lng=en. doi:10.1590/S0034-71672012000600014.
- Castro, N.B., Lopes, M.V.O., & Monteiro, A.R.M. (2020). Low Chronic Self-Esteem and Low Situational Self-Esteem: a literature review. *Revista Brasileira de Enfermagem*, 73(1), e20180004. Epub February 10, 2020. doi:<https://dx.doi.org/10.1590/0034-7167-2018-0004>.
- Castro, N.B. Acurácia dos indicadores clínicos dos diagnósticos de enfermagem baixa autoestima crônica e baixa autoestima situacional em adultos com humor deprimido [Master's dissertation]. Universidade Federal do Ceará. <http://www.repositorio.ufc.br/handle/riufc/28970>
- Chamberlain, Catherine et al. Psychosocial interventions for supporting women to stop smoking in pregnancy. *Cochrane Database of Systematic Reviews*, n. 2, 2017.
- Dávila Ramírez, Fabián Antonio et al. Factores de riesgo psicosocial para embarazo temprano y deserción escolar en mujeres adolescentes. *Revista Ciencias de la Salud*, v. 14, n. 1, p. 93–101, 2016.
- Dunkel Schetter, Christine et al. Demographic, medical, and psychosocial predictors of pregnancy anxiety. *Paediatric and perinatal epidemiology*, v. 30, n. 5, p. 421–429, 2016.
- Fejes MAN, et al. Saúde e cotidiano de mulheres em uso abusivo de álcool e outras drogas. *Rev Ter Ocup Univ São Paulo*. 2016 set./dez.;27(3):254–62. <http://dx.doi.org/10.11606/issn.2238-6149.v27i3p254-262>
- Fertig Adriana, Schneider Jacó Fernando, Oliveira Gustavo Costa de, Olschowsky Agnes, Camatta Marcio Wagner, Pinho Leandro Barbosa de. Mulheres usuárias de crack: Conhecendo suas histórias de vida. *Esc. Anna Nery* [Internet]. 2016 June [cited 2019 May 09]; 20(2): 310–316. Available from: [http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1414-81452016000200310](http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1414-81452016000200310&lng=en) &lng=en. <http://dx.doi.org/10.5935/1414-8145.20160042>.
- Finfgeld-Connett, D., Bloom, T.L e Johnson, ED (2011). Competência Percebida e Resolução de Sem-Abrigo Entre Mulheres com Problemas de Abuso de Substâncias. *Pesquisa qualitativa em saúde*. 2012; 22 (3), 416–427. doi:10.1177 / 1049732311421493
- Geng L, Jiang T, Han D. Relationships among self-esteem, self-efficacy, and faith in people in Chinese heroin abusers. *Soc Behav Personal an Int J*. 2011;39(6):797–806.
- González-Guarda, Rosa María; Peragallo, Nilda; Lynch, Ami; Nemes, Susanna Drugs, Women and Violence in the Americas: U.S. Results of a Multi-Centric Pilot Project (Phase 1) *Revista Colombiana de Psiquiatria*, vol. 39, 2010, pp. 46 S-65 S Asociación Colombiana de Psiquiatria Bogotá, D.C., Colombia

- Harrison, M. E. et al. Embodied Motherhood: Exploring Body Image in Pregnant and Parenting Youth. *Journal of pediatric and adolescent gynecology*, v. 32, n. 1, p. 44–50, 2019.
- Heidari, M., Ghodusi, M., Bathaei, S. A., Shakeri, K. (2018). Self-esteem and Locus of Control in the Initial and Final Stages of Drug Withdrawal Among Addicts Attending Rehabilitation Centers. *Addictive Disorders & Their Treatment*, 17(2), 92–97. doi:10.1097/adt.0000000000000128
- Hutz Claudio Simon, Zanon Cristian. Revisão da adaptação, validação e normatização da escala de autoestima de Rosenberg: Revision of the adaptation, validation, and normatization of the Roserberg self-esteem scale. *Aval. psicol.* [Internet]. 2011 Abr [citado 2019 Maio 09]; 10(1): 41–49. Disponível em: http://pepsic.bvsalud.org/scielo.php?script=sci_arttext&pid=S1677-04712011000100005&lng=pt.
- Kapadia, Mufiza Zia et al. Psychological antecedents of excess gestational weight gain: a systematic review. *BMC Pregnancy & Childbirth*, v. 15, n. 1, p. 107, 2015.
- Knoph Berg, Cecilie et al. Factors associated with binge eating disorder in pregnancy. *International Journal of Eating Disorders*, v. 44, n. 2, p. 124–133, 2011.
- Limberger Jéssica, Andretta Ilana. Desenvolvimento das habilidades sociais na vida de mulheres usuárias de crack: estudo de casos múltiplos. *Temas psicol.* [Internet]. 2017 Dez [citado 2019 Maio 09]; 25(4): 1709–1724. Disponível em: http://pepsic.bvsalud.org/scielo.php?script=sci_arttext&pid=S1413-389X2017000400011&lng=pt. <http://dx.doi.org/10.9788/TP2017.4-11Pt>.
- Ludermir, Ana Bernarda; VALONGUEIRO, Sandra; ARAÚJO, Thália Velho Barreto de. Common mental disorders and intimate partner violence in pregnancy. *Revista de saude publica*, v. 48, p. 29–35, 2014.
- Mukherjee, Soumyadeep et al. Racial/ethnic disparities in antenatal depression in the United States: A systematic review. *Maternal and child health journal*, v. 20, n. 9, p. 1780–1797, 2016.
- Norris, J. (1992). Nursing Intervention for Self-Esteem Disturbances. *International Journal of Nursing Terminologies and Classifications*, 3(2), 48–53. doi:10.1111/j.1744-618x.1992.tb00203.x
- Orth U, Robins RW. Understanding the Link Between Low Self-Esteem and Depression. *Curr Dir Psychol Sci* [Internet]. 2013;22(6):455–60. Available from: <http://journals.sagepub.com/doi/10.1177/0963721413492763>
- Phoosuwan, Nitikorn; Eriksson, Leif; Lundberg, Pranee C. Antenatal depressive symptoms during late pregnancy among women in a north-eastern province of Thailand: Prevalence and associated factors. *Asian journal of psychiatry*, v. 36, p. 102–107, 2018.
- Recto, Pamela; Champion, Jane Dimmitt. Psychosocial risk factors for perinatal depression among female adolescents: A systematic review. *Issues in mental health nursing*, v. 38, n. 8, p. 633–642, 2017.
- Rodríguez Kuri, Solveig Erendira; Córdova Alcaráz, Alberto Javier; Fernández Cáceres, María del Carmen Estudio comparativo del proceso de inserción social en hombres y Mujeres usuarios de drogas en rehabilitación Salud y drogas, vol. 15, núm. 1, 2015, pp. 49–54 Instituto de Investigación de Drogodependencias Alicante, España.
- Santos, Daianny de Paula et al. Histórico de violência entre mulheres que fazem uso de crack no estado de Pernambuco, Brasil. *Saúde em Debate* [online]. 2018, v. 42, n. 119 [Acessado 9 Maio 2019], pp. 862–875. Disponível em: <10.1590/0103-1104201811906>. ISSN 2358-2898. doi:10.1590/0103-1104201811906.

- Silva Érika Barbosa de Oliveira, Pereira Adriana Lenho de Figueiredo, Penna Lúcia Helena Garcia. Estereótipos de gênero no cuidado psicossocial das usuárias de cocaína e crack. *Cad. Saúde Pública* [Internet]. 2018 [cited 2019 May 09]; 34(5): e00110317. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0102-311X2018000505004&lng=en. Epub May 10, 2018. <http://dx.doi.org/10.1590/0102-311x00110317>.
- Silva, Ricardo Azevedo da et al. Transtornos mentais comuns e auto-estima na gestação: prevalência e fatores associados. *Cadernos de Saúde Pública*, v. 26, p. 1832–1838, 2010.
- Steinberg, Julia R.; Becker, Davida; Henderson, Jillian T. Does the outcome of a first pregnancy predict depression, suicidal ideation, or lower self-esteem? Data from the National Comorbidity Survey. *American Journal of Orthopsychiatry*, v. 81, n. 2, p. 193, 2011.
- Swamy, Geeta K. et al. Predictors of adverse events among pregnant smokers exposed in a nicotine replacement therapy trial. *American journal of obstetrics and gynecology*, v. 201, n. 4, p. 354. e1–354. e7, 2009.
- Turnbull, Catherine; Osborn, David A. Home visits during pregnancy and after birth for women with an alcohol or drug problem. *Cochrane Database of Systematic Reviews*, n. 1, 2012.
- Webb, Jennifer B.; Siega-Riz, Anna M.; Dole, Nancy. Psychosocial determinants of adequacy of gestational weight gain. *Obesity*, v. 17, n. 2, p. 300–309, 2009.

Risk for chronic low self-esteem (00224)

- Akande WA. How Well do You Know Me: Culture and the Self. *STA* [Internet]. 8 Nov. 2010 [cited 8 May 2019] ;26:131–46. Available from: <http://www.journals.vu.lt/sociologija-mintis-ir-veiksmas/article/view/60990>
- Akiki, Salwa et al. Determinants of maternal antenatal state-anxiety in mid-pregnancy: Role of maternal feelings about the pregnancy. *Journal of Affective disorders*, v. 196, p. 260–267, 2016.
- Bandura A. Self-efficacy: The exercise of control. 1st ed. New York, NY: Worth Publishers; 1997.
- Doré C. Self esteem: A concept analysis. In *Recherche en soins infirmiers*. 2017; 129 (2):18–26.
- Biaggi, Alessandra et al. Identifying the women at risk of antenatal anxiety and depression: a systematic review. *Journal of affective disorders*, v. 191, p. 62–77, 2016.
- Cavalcante Joyce Carolle Bezerra, Sousa Vanessa Emille Carvalho de, Lopes Marcos Venícios de Oliveira. Baixa autoestima situacional em gestantes: uma análise de acurácia. *Rev. bras. enferm.* [Internet]. 2012 Dec [cited 2020 June 28]; 65(6): 977–983. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0034-71672012000600014&lng=en. doi:10.1590/S0034-71672012000600014.
- Castro, N.B., Lopes, M.V.O., & Monteiro, A.R.M. (2020). Low Chronic Self-Esteem and Low Situational Self-Esteem: a literature review. *Revista Brasileira de Enfermagem*, 73(1), e20180004. Epub February 10, 2020. doi:<https://dx.doi.org/10.1590/0034-7167-2018-0004>.
- Castro, N.B. Acurácia dos indicadores clínicos dos diagnósticos de enfermagem baixa autoestima crônica e baixa autoestima situacional em adultos com humor deprimido [Master's dissertation]. Universidade Federal do Ceará. <http://www.repositorio.ufc.br/handle/riufc/28970>

- Chamberlain, Catherine et al. Psychosocial interventions for supporting women to stop smoking in pregnancy. *Cochrane Database of Systematic Reviews*, n. 2, 2017.
- Dávila Ramírez, Fabián Antonio et al. Factores de riesgo psicosocial para embarazo temprano y deserción escolar en mujeres adolescentes. *Revista Ciencias de la Salud*, v. 14, n. 1, p. 93–101, 2016.
- Dunkel Schetter, Christine et al. Demographic, medical, and psychosocial predictors of pregnancy anxiety. *Paediatric and perinatal epidemiology*, v. 30, n. 5, p. 421–429, 2016.
- Fejes MAN, et al. Saúde e cotidiano de mulheres em uso abusivo de álcool e outras drogas. *Rev Ter Ocup Univ São Paulo*. 2016 set./dez.;27(3):254–62. <http://dx.doi.org/10.11606/issn.2238-6149.v27i3p254-262>
- Fertig Adriana, Schneider Jacó Fernando, Oliveira Gustavo Costa de, Olschowsky Agnes, Camatta Marcio Wagner, Pinho Leandro Barbosa de. Mulheres usuárias de crack: Conhecendo suas histórias de vida. *Esc. Anna Nery* [Internet]. 2016 June [cited 2019 May 09]; 20(2): 310–316. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1414-81452016000200310&lng=en. <http://dx.doi.org/10.5935/1414-8145.20160042>.
- Finfgeld-Connett, D., Bloom, TL e Johnson, ED (2011). Competência Percebida e Resolução de Sem-Abrigo Entre Mulheres com Problemas de Abuso de Substâncias. *Pesquisa qualitativa em saúde*. 2012; 22 (3), 416–427. doi:10.1177 / 1049732311421493
- Geng L, Jiang T, Han D. Relationships among self-esteem, self-efficacy, and faith in people in Chinese heroin abusers. *Soc Behav Personal an Int J*. 2011;39(6):797–806.
- González-Guarda, Rosa María; Peragallo, Nilda; Lynch, Ami; Nemes, Susanna Drugs, Women and Violence in the Americas: U.S. Results of a Multi-Centric Pilot Project (Phase 1) *Revista Colombiana de Psiquiatria*, vol. 39, 2010, pp. 46 S-65 S Asociación Colombiana de Psiquiatria Bogotá, D.C., Colombia
- Harrison, M. E. et al. Embodied Motherhood: Exploring Body Image in Pregnant and Parenting Youth. *Journal of pediatric and adolescent gynecology*, v. 32, n. 1, p. 44–50, 2019.
- Heidari, M., Ghodusi, M., Bathaei, S. A., Shakeri, K. (2018). Self-esteem and Locus of Control in the Initial and Final Stages of Drug Withdrawal Among Addicts Attending Rehabilitation Centers. *Addictive Disorders & Their Treatment*, 17(2), 92–97. doi:10.1097/adt.0000000000000128
- Hutz Claudio Simon, Zanon Cristian. Revisão da adaptação, validação e normatização da escala de autoestima de Rosenberg: Revision of the adaptation, validation, and normatization of the Roserberg self-esteem scale. *Aval. psicol.* [Internet]. 2011 Abr [citado 2019 Maio 09]; 10(1): 41–49. Disponível em: http://pepsic.bvsalud.org/scielo.php?script=sci_arttext&pid=S1677-04712011000100005&lng=pt.
- Kapadia, Mufiza Zia et al. Psychological antecedents of excess gestational weight gain: a systematic review. *BMC Pregnancy & Childbirth*, v. 15, n. 1, p. 107, 2015.
- Knoph Berg, Cecilie et al. Factors associated with binge eating disorder in pregnancy. *International Journal of Eating Disorders*, v. 44, n. 2, p. 124–133, 2011.
- Limberger Jéssica, Andretta Ilana. Desenvolvimento das habilidades sociais na vida de mulheres usuárias de crack: estudo de casos múltiplos. *Temas psicol.* [Internet]. 2017 Dez [citado 2019 Maio 09]; 25(4): 1709–1724. Disponível em: http://pepsic.bvsalud.org/scielo.php?script=sci_arttext&pid=S1413-389X2017000400011&lng=pt. <http://dx.doi.org/10.9788/TP2017.4-11Pt>.

- Ludermir, Ana Bernarda; Valongueiro, Sandra; Araújo, Thália Velho Barreto de. Common mental disorders and intimate partner violence in pregnancy. *Revista de saúde pública*, v. 48, p. 29–35, 2014.
- Mukherjee, Soumyadeep et al. Racial/ethnic disparities in antenatal depression in the United States: A systematic review. *Maternal and child health journal*, v. 20, n. 9, p. 1780–1797, 2016.
- Norris, J. (1992). Nursing Intervention for Self-Esteem Disturbances. *International Journal of Nursing Terminologies and Classifications*, 3(2), 48–53. doi:10.1111/j.1744-618x.1992.tb00203.x
- Orth U, Robins RW. Understanding the Link Between Low Self-Esteem and Depression. *Curr Dir Psychol Sci* [Internet]. 2013;22(6):455–60. Available from: <http://journals.sagepub.com/doi/10.1177/0963721413492763>
- Phoosuan, Nitikorn; Eriksson, Leif; Lundberg, Pranee C. Antenatal depressive symptoms during late pregnancy among women in a north-eastern province of Thailand: Prevalence and associated factors. *Asian journal of psychiatry*, v. 36, p. 102–107, 2018.
- Recto, Pamela; Champion, Jane Dimmitt. Psychosocial risk factors for perinatal depression among female adolescents: A systematic review. *Issues in mental health nursing*, v. 38, n. 8, p. 633–642, 2017.
- Rodríguez Kuri, Solveig Erendira; Córdova Alcaráz, Alberto Javier; Fernández Cáceres, María del Carmen Estudio comparativo del proceso de inserción social en hombres y Mujeres usuarios de drogas en rehabilitación Salud y drogas, vol. 15, núm. 1, 2015, pp. 49–54 Instituto de Investigación de Drogodependencias Alicante, España.
- Santos, Daianny de Paulae al. Histórico de violência entre mulheres que fazem uso de crack no estado de Pernambuco, Brasil. *Saúde em Debate* [online]. 2018, v. 42, n. 119 [Acessado 9 Maio 2019], pp. 862–875. Disponível em: <10.1590/0103-1104201811906 >. ISSN 2358-2898. doi:10.1590/0103-1104201811906.
- Silva Érika Barbosa de Oliveira, Pereira Adriana Lenho de Figueiredo, Penna Lúcia Helena Garcia. Estereótipos de gênero no cuidado psicossocial das usuárias de cocaína e crack. *Cad. Saúde Pública* [Internet]. 2018 [cited 2019 May 09]; 34(5): e00110317. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0102-311X2018000505004&lng=en. Epub May 10, 2018. <http://dx.doi.org/10.1590/0102-311x00110317>.
- Silva, Ricardo Azevedo da et al. Transtornos mentais comuns e auto-estima na gestação: prevalência e fatores associados. *Cadernos de Saúde Pública*, v. 26, p. 1832–1838, 2010.
- Steinberg, Julia R.; Becker, Davida; Henderson, Jillian T. Does the outcome of a first pregnancy predict depression, suicidal ideation, or lower self-esteem? Data from the National Comorbidity Survey. *American Journal of Orthopsychiatry*, v. 81, n. 2, p. 193, 2011.
- Swamy, Geeta K. et al. Predictors of adverse events among pregnant smokers exposed in a nicotine replacement therapy trial. *American journal of obstetrics and gynecology*, v. 201, n. 4, p. 354. e1–354. e7, 2009.
- Turnbull, Catherine; Osborn, David A. Home visits during pregnancy and after birth for women with an alcohol or drug problem. *Cochrane Database of Systematic Reviews*, n. 1, 2012.
- Webb, Jennifer B.; Siega-Riz, Anna M.; Dole, Nancy. Psychosocial determinants of adequacy of gestational weight gain. *Obesity*, v. 17, n. 2, p. 300–309, 2009.

Situational low self-esteem (00120)

- Akande WA. How Well do You Know Me: Culture and the Self. STA [Internet]. 8 Nov. 2010 [cited 8 May 2019];26:131–46. Available from: <http://www.journals.vu.lt/sociologija-mintis-ir-veiksma/article/view/60990>
- Akiki, Salwa et al. Determinants of maternal antenatal state-anxiety in mid-pregnancy: Role of maternal feelings about the pregnancy. *Journal of Affective disorders*, v. 196, p. 260–267, 2016.
- Bandura A. Self-efficacy: The exercise of control. 1st ed. New York, NY: Worth Publishers; 1997.
- Doré C. Self esteem: A concept analysis. In *Recherche en soins infirmiers*. 2017; 129 (2):18–26.
- Biaggi, Alessandra et al. Identifying the women at risk of antenatal anxiety and depression: a systematic review. *Journal of affective disorders*, v. 191, p. 62–77, 2016.
- Cavalcante Joyce Carolle Bezerra, Sousa Vanessa Emille Carvalho de, Lopes Marcos Venícios de Oliveira. Baixa autoestima situacional em gestantes: uma análise de acurácia. *Rev. bras. enferm.* [Internet]. 2012 Dec [cited 2020 June 28]; 65(6): 977–983. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0034-71672012000600014&lng=en. doi:10.1590/S0034-71672012000600014.
- Castro, N.B., Lopes, M.V.O., & Monteiro, A.R.M. (2020). Low Chronic Self-Esteem and Low Situational Self-Esteem: a literature review. *Revista Brasileira de Enfermagem*, 73(1), e20180004. Epub February 10, 2020. doi:<https://dx.doi.org/10.1590/0034-7167-2018-0004>.
- Castro, N.B. Acurácia dos indicadores clínicos dos diagnósticos de enfermagem baixa autoestima crônica e baixa autoestima situacional em adultos com humor deprimido [Master's dissertation]. Universidade Federal do Ceará. <http://www.repositorio.ufc.br/handle/riufc/28970>
- Chamberlain, Catherine et al. Psychosocial interventions for supporting women to stop smoking in pregnancy. *Cochrane Database of Systematic Reviews*, n. 2, 2017.
- Dávila Ramírez, Fabián Antonio et al. Factores de riesgo psicosocial para embarazo temprano y deserción escolar en mujeres adolescentes. *Revista Ciencias de la Salud*, v. 14, n. 1, p. 93–101, 2016.
- Dunkel Schetter, Christine et al. Demographic, medical, and psychosocial predictors of pregnancy anxiety. *Paediatric and perinatal epidemiology*, v. 30, n. 5, p. 421–429, 2016.
- Fejes MAN, et al. Saúde e cotidiano de mulheres em uso abusivo de álcool e outras drogas. *Rev Ter Ocup Univ São Paulo*. 2016 set./dez.;27(3):254–62. <http://dx.doi.org/10.11606/issn.2238-6149.v27i3p254-262>
- Fertig Adriana, Schneider Jacó Fernando, Oliveira Gustavo Costa de, Olschowsky Agnes, Camatta Marcio Wagner, Pinho Leandro Barbosa de. Mulheres usuárias de crack: Conhecendo suas histórias de vida. *Esc. Anna Nery* [Internet]. 2016 June [cited 2019 May 09]; 20(2): 310–316. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1414-81452016000200310&lng=en. <http://dx.doi.org/10.5935/1414-8145.20160042>.
- Fingfeld-Connett, D., Bloom, TL e Johnson, ED (2011). Competência Percebida e Resolução de Sem-Abrigo Entre Mulheres com Problemas de Abuso de Substâncias. *Pesquisa qualitativa em saúde*. 2012; 22 (3), 416–427. doi:10.1177 / 1049732311421493
- Geng L, Jiang T, Han D. Relationships among self-esteem, self-efficacy, and faith in people in Chinese heroin abusers. *Soc Behav Personal an Int J*. 2011;39(6):797–806.

- González-Guarda, Rosa María; Peragallo, Nilda; Lynch, Ami; Nemes, Susanna Drugs, Women and Violence in the Americas: U.S. Results of a Multi-Centric Pilot Project (Phase 1) *Revista Colombiana de Psiquiatría*, vol. 39, 2010, pp. 46 S-65 S Asociación Colombiana de Psiquiatría Bogotá, D.C., Colombia
- Harrison, M. E. et al. Embodied Motherhood: Exploring Body Image in Pregnant and Parenting Youth. *Journal of pediatric and adolescent gynecology*, v. 32, n. 1, p. 44–50, 2019.
- Heidari, M., Ghodusi, M., Bathaei, S. A., Shakeri, K. (2018). Self-esteem and Locus of Control in the Initial and Final Stages of Drug Withdrawal Among Addicts Attending Rehabilitation Centers. *Addictive Disorders & Their Treatment*, 17(2), 92–97. doi:10.1097/adt.0000000000000128
- Hutz Claudio Simon, Zanon Cristian. Revisão da adaptação, validação e normatização da escala de autoestima de Rosenberg: Revision of the adaptation, validation, and normatization of the Roserberg self-esteem scale. *Aval. psicol.* [Internet]. 2011 Abr [citado 2019 Maio 09]; 10(1): 41–49. Disponível em: http://pepsic.bvsalud.org/scielo.php?script=sci_arttext&pid=S1677-04712011000100005&lng=pt.
- Kapadia, Mufiza Zia et al. Psychological antecedents of excess gestational weight gain: a systematic review. *BMC Pregnancy & Childbirth*, v. 15, n. 1, p. 107, 2015.
- Knoph Berg, Cecilie et al. Factors associated with binge eating disorder in pregnancy. *International Journal of Eating Disorders*, v. 44, n. 2, p. 124–133, 2011.
- Limberger Jéssica, Andretta Ilana. Desenvolvimento das habilidades sociais na vida de mulheres usuárias de crack: estudo de casos múltiplos. *Temas psicol.* [Internet]. 2017 Dez [citado 2019 Maio 09]; 25(4): 1709–1724. Disponível em: http://pepsic.bvsalud.org/scielo.php?script=sci_arttext&pid=S1413-389X2017000400011&lng=pt. <http://dx.doi.org/10.9788/TP2017.4-11Pt>.
- Ludermir, Ana Bernarda; Valongueiro, Sandra; ARAÚJO, Thália Velho Barreto de. Common mental disorders and intimate partner violence in pregnancy. *Revista de saúde publica*, v. 48, p. 29–35, 2014.
- Mukherjee, Soumyadeep et al. Racial/ethnic disparities in antenatal depression in the United States: A systematic review. *Maternal and child health journal*, v. 20, n. 9, p. 1780–1797, 2016.
- Norris, J. (1992). Nursing Intervention for Self-Esteem Disturbances. *International Journal of Nursing Terminologies and Classifications*, 3(2), 48–53. doi:10.1111/j.1744-618x.1992.tb00203.x
- Orth U, Robins RW. Understanding the Link Between Low Self-Esteem and Depression. *Curr Dir Psychol Sci* [Internet]. 2013;22(6):455–60. Available from: <http://journals.sagepub.com/doi/10.1177/0963721413492763>
- Phoosuwan, Nitikorn; Eriksson, Leif; Lundberg, Pranee C. Antenatal depressive symptoms during late pregnancy among women in a north-eastern province of Thailand: Prevalence and associated factors. *Asian journal of psychiatry*, v. 36, p. 102–107, 2018.
- Recto, Pamela; Champion, Jane Dimmitt. Psychosocial risk factors for perinatal depression among female adolescents: A systematic review. *Issues in mental health nursing*, v. 38, n. 8, p. 633–642, 2017.
- Rodríguez Kuri, Solveig Erendira; Córdova Alcaráz, Alberto Javier; Fernández Cáceres, María del Carmen Estudio comparativo del proceso de inserción social en hombres y Mujeres usuarios de drogas en rehabilitación Salud y drogas, vol. 15, núm. 1, 2015, pp. 49–54 Instituto de Investigación de Drogodependencias Alicante, España.

- Santos, Daianny de Paula et al. Histórico de violência entre mulheres que fazem uso de crack no estado de Pernambuco, Brasil. *Saúde em Debate* [online]. 2018, v. 42, n. 119 [Acessado 9 Maio 2019], pp. 862–875. Disponível em: <10.1590/0103–1104201811906>. ISSN 2358–2898. doi:10.1590/0103–1104201811906.
- Silva Érika Barbosa de Oliveira, Pereira Adriana Lenho de Figueiredo, Penna Lúcia Helena Garcia. Estereótipos de gênero no cuidado psicossocial das usuárias de cocaína e crack. *Cad. Saúde Pública* [Internet]. 2018 [cited 2019 May 09]; 34(5): e00110317. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0102-311X2018000505004&lng=en. Epub May 10, 2018. <http://dx.doi.org/10.1590/0102-311X00110317>.
- Silva, Ricardo Azevedo da et al. Transtornos mentais comuns e auto-estima na gestação: prevalência e fatores associados. *Cadernos de Saúde Pública*, v. 26, p. 1832–1838, 2010.
- Steinberg, Julia R.; Becker, Davida; Henderson, Jillian T. Does the outcome of a first pregnancy predict depression, suicidal ideation, or lower self-esteem? Data from the National Comorbidity Survey. *American Journal of Orthopsychiatry*, v. 81, n. 2, p. 193, 2011.
- Swamy, Geeta K. et al. Predictors of adverse events among pregnant smokers exposed in a nicotine replacement therapy trial. *American journal of obstetrics and gynecology*, v. 201, n. 4, p. 354. e1–354. e7, 2009.
- Turnbull, Catherine; Osborn, David A. Home visits during pregnancy and after birth for women with an alcohol or drug problem. *Cochrane Database of Systematic Reviews*, n. 1, 2012.
- Webb, Jennifer B.; Siega-Riz, Anna M.; Dole, Nancy. Psychosocial determinants of adequacy of gestational weight gain. *Obesity*, v. 17, n. 2, p. 300–309, 2009.

Risk for situational low self-esteem (00153)

- Akande WA. How Well do You Know Me: Culture and the Self. *STA* [Internet]. 8 Nov. 2010 [cited 8 May 2019] ;26:131–46. Available from: <http://www.journals.vu.lt/sociologija-mintis-ir-veiksmas/article/view/60990>
- Akiki, Salwa et al. Determinants of maternal antenatal state-anxiety in mid-pregnancy: Role of maternal feelings about the pregnancy. *Journal of Affective disorders*, v. 196, p. 260–267, 2016.
- Bandura A. Self-efficacy: The exercise of control. 1st ed. New York, NY: Worth Publishers; 1997.
- Doré C. Self esteem: A concept analysis. In *Recherche en soins infirmiers*. 2017; 129 (2):18–26.
- Biaggi, Alessandra et al. Identifying the women at risk of antenatal anxiety and depression: a systematic review. *Journal of affective disorders*, v. 191, p. 62–77, 2016.
- Cavalcante Joyce Carolle Bezerra, Sousa Vanessa Emille Carvalho de, Lopes Marcos Venícios de Oliveira. Baixa autoestima situacional em gestantes: uma análise de acurácia. *Rev. bras. enferm.* [Internet]. 2012 Dec [cited 2020 June 28]; 65(6): 977–983. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0034-71672012000600014&lng=en. doi:10.1590/S0034-71672012000600014.
- Castro, N.B., Lopes, M.V.O., & Monteiro, A.R.M. (2020). Low Chronic Self-Esteem and Low Situational Self-Esteem: a literature review. *Revista Brasileira de Enfermagem*, 73(1), e20180004. Epub February 10, 2020. doi:<https://dx.doi.org/10.1590/0034-7167-2018-0004>.

- Castro, N.B. Acurácia dos indicadores clínicos dos diagnósticos de enfermagem baixa autoestima crônica e baixa autoestima situacional em adultos com humor deprimido [Master's dissertation]. Universidade Federal do Ceará. <http://www.repositorio.ufc.br/handle/riufc/28970>
- Chamberlain, Catherine et al. Psychosocial interventions for supporting women to stop smoking in pregnancy. *Cochrane Database of Systematic Reviews*, n. 2, 2017.
- Dávila Ramírez, Fabián Antonio et al. Factores de riesgo psicosocial para embarazo temprano y deserción escolar en mujeres adolescentes. *Revista Ciencias de la Salud*, v. 14, n. 1, p. 93–101, 2016.
- Dunkel Schetter, Christine et al. Demographic, medical, and psychosocial predictors of pregnancy anxiety. *Paediatric and perinatal epidemiology*, v. 30, n. 5, p. 421–429, 2016.
- Fejes MAN, et al. Saúde e cotidiano de mulheres em uso abusivo de álcool e outras drogas. *Rev Ter Ocup Univ São Paulo*. 2016 set./dez.;27(3):254–62. <http://dx.doi.org/10.11606/issn.2238-6149.v27i3p254-262>
- Fertig Adriana, Schneider Jacó Fernando, Oliveira Gustavo Costa de, Olschowsky Agnes, Camatta Marcio Wagner, Pinho Leandro Barbosa de. Mulheres usuárias de crack: Conhecendo suas histórias de vida. *Esc. Anna Nery* [Internet]. 2016 June [cited 2019 May 09]; 20(2): 310–316. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1414-81452016000200310&lng=en. <http://dx.doi.org/10.5935/1414-8145.20160042>.
- Finfgeld-Connett, D., Bloom, TL e Johnson, ED (2011). Competência Percebida e Resolução de Sem-Abrigo Entre Mulheres com Problemas de Abuso de Substâncias. *Pesquisa qualitativa em saúde*. 2012; 22 (3), 416–427. doi:10.1177 / 1049732311421493
- Geng L, Jiang T, Han D. Relationships among self-esteem, self-efficacy, and faith in people in Chinese heroin abusers. *Soc Behav Personal an Int J*. 2011;39(6):797–806.
- González-Guarda, Rosa María; Peragallo, Nilda; Lynch, Ami; Nemes, Susanna Drugs, Women and Violence in the Americas: U.S. Results of a Multi-Centric Pilot Project (Phase 1) *Revista Colombiana de Psiquiatria*, vol. 39, 2010, pp. 46 S-65 S Asociación Colombiana de Psiquiatria Bogotá, D.C., Colombia
- Harrison, M. E. et al. Embodied Motherhood: Exploring Body Image in Pregnant and Parenting Youth. *Journal of pediatric and adolescent gynecology*, v. 32, n. 1, p. 44–50, 2019.
- Heidari, M., Ghodusi, M., Bathaei, S. A., Shakeri, K. (2018). Self-esteem and Locus of Control in the Initial and Final Stages of Drug Withdrawal Among Addicts Attending Rehabilitation Centers. *Addictive Disorders & Their Treatment*, 17(2), 92–97. doi:10.1097/adt.000000000000128
- Hutz Claudio Simon, Zanon Cristian. Revisão da adaptação, validação e normatização da escala de autoestima de Rosenberg: Revision of the adaptation, validation, and normatization of the Rosenberg self-esteem scale. *Aval. psicol.* [Internet]. 2011 Abr [citado 2019 Maio 09]; 10(1): 41–49. Disponível em: http://pepsic.bvsalud.org/scielo.php?script=sci_arttext&pid=S1677-04712011000100005&lng=pt.
- Kapadia, Mufiza Zia et al. Psychological antecedents of excess gestational weight gain: a systematic review. *BMC Pregnancy & Childbirth*, v. 15, n. 1, p. 107, 2015.
- Knoph Berg, Cecilie et al. Factors associated with binge eating disorder in pregnancy. *International Journal of Eating Disorders*, v. 44, n. 2, p. 124–133, 2011.
- Limberger Jéssica, Andretta Ilana. Desenvolvimento das habilidades sociais na vida de mulheres usuárias de crack: estudo de casos múltiplos. *Temas psicol.* [Internet].

- 2017 Dez [citado 2019 Maio 09]; 25(4): 1709–1724. Disponível em: http://pepsic.bvsalud.org/scielo.php?script=sci_arttext&pid=S1413-389X2017000400011&lng=pt. <http://dx.doi.org/10.9788/TP2017.4-11Pt>.
- Ludermir, Ana Bernarda; Valongueiro, Sandra; Araújo, Thália Velho Barreto de. Common mental disorders and intimate partner violence in pregnancy. *Revista de saúde pública*, v. 48, p. 29–35, 2014.
- Mukherjee, Soumyadeep et al. Racial/ethnic disparities in antenatal depression in the United States: A systematic review. *Maternal and child health journal*, v. 20, n. 9, p. 1780–1797, 2016.
- Norris, J. (1992). Nursing Intervention for Self-Esteem Disturbances. *International Journal of Nursing Terminologies and Classifications*, 3(2), 48–53. doi:10.1111/j.1744-618x.1992.tb00203.x
- Orth U, Robins RW. Understanding the Link Between Low Self-Esteem and Depression. *Curr Dir Psychol Sci* [Internet]. 2013;22(6):455–60. Available from: <http://journals.sagepub.com/doi/10.1177/0963721413492763>
- Phoosuwan, Nitikorn; Eriksson, Leif; Lundberg, Pranee C. Antenatal depressive symptoms during late pregnancy among women in a north-eastern province of Thailand: Prevalence and associated factors. *Asian journal of psychiatry*, v. 36, p. 102–107, 2018.
- Recto, Pamela; Champion, Jane Dimmitt. Psychosocial risk factors for perinatal depression among female adolescents: A systematic review. *Issues in mental health nursing*, v. 38, n. 8, p. 633–642, 2017.
- Rodríguez Kuri, Solveig Erendira; Córdova Alcaráz, Alberto Javier; Fernández Cáceres, María del Carmen Estudio comparativo del proceso de inserción social en hombres y Mujeres usuarios de drogas en rehabilitación Salud y drogas, vol. 15, núm. 1, 2015, pp. 49–54 Instituto de Investigación de Drogodependencias Alicante, España.
- Santos, Daianny de Paula et al. Histórico de violência entre mulheres que fazem uso de crack no estado de Pernambuco, Brasil. *Saúde em Debate* [online]. 2018, v. 42, n. 119 [Acessado 9 Maio 2019], pp. 862–875. Disponível em: <10.1590/0103-1104201811906>. ISSN 2358-2898. doi:10.1590/0103-1104201811906.
- Silva Érika Barbosa de Oliveira, Pereira Adriana Lenho de Figueiredo, Penna Lúcia Helena Garcia. Estereótipos de gênero no cuidado psicossocial das usuárias de cocaína e crack. *Cad. Saúde Pública* [Internet]. 2018 [cited 2019 May 09]; 34(5): e00110317. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0102-311X2018000505004&lng=en. Epub May 10, 2018. <http://dx.doi.org/10.1590/0102-311x00110317>.
- Silva, Ricardo Azevedo da et al. Transtornos mentais comuns e auto-estima na gestação: prevalência e fatores associados. *Cadernos de Saúde Pública*, v. 26, p. 1832–1838, 2010.
- Steinberg, Julia R.; Becker, Davida; Henderson, Jillian T. Does the outcome of a first pregnancy predict depression, suicidal ideation, or lower self-esteem? Data from the National Comorbidity Survey. *American Journal of Orthopsychiatry*, v. 81, n. 2, p. 193, 2011.
- Swamy, Geeta K. et al. Predictors of adverse events among pregnant smokers exposed in a nicotine replacement therapy trial. *American journal of obstetrics and gynecology*, v. 201, n. 4, p. 354. e1–354. e7, 2009.
- Turnbull, Catherine; Osborn, David A. Home visits during pregnancy and after birth for women with an alcohol or drug problem. *Cochrane Database of Systematic Reviews*, n. 1, 2012.

Webb, Jennifer B.; Siega-Riz, Anna M.; Dole, Nancy. Psychosocial determinants of adequacy of gestational weight gain. *Obesity*, v. 17, n. 2, p. 300–309, 2009.

6.3 Class 3. Body image

Disturbed body image (00118)

- Akkaya, N., Akkaya, S., Atalay, N. S., Balci, C. S., & Sahin, F. (2012). Relationship between the body image and level of pain, functional status, severity of depression, and quality of life in patients with fibromyalgia syndrome. *Clinical Rheumatology*, 31, 983–988.
- Alebachew, F., & Ashagrie, M. (2017). The Body-Image concept analysis of youth and adolescent. *American Journal of Biomedical and Life Sciences*, 5(6), 130–134.
- Burden, N., Simpson, J. Murray, C., Overto, P. G., Powel, P. A., (2018). Prothesis use is associated with reduced physical self-disgust in limb amputees. *Body Image*, 27, 109–117.
- Chang, Y. L., Huang, B.S., Hung, T. M., Lin, C. Y., & Chen, S. C. (2019). Factors influencing body image in posttreatment oral cavity cancer patients. *Psycho-Oncology*, 28, 1127–1133.
- Conaglen, H., M., de Jong, D., Crawford, V., Elston, M. S., & Conaglen, J. V. (2015). Body image disturbance in acromegaly patients compared to nonfunctioning pituitary adenoma patients and controls. *International Journal of Endocrinology*, 624872.
- De Panfilis, C., Cero, S., Torre, M., Salvatore, P., Dall’Aglia, E., Adorni, A., & Maggini, C. (2007). Changes in body image disturbance in morbidly obese patients 1 year after laparoscopic adjustable gastric banding. *Obesity Surgery*, 17, 792–799.
- Dyer, A., Borgmann, E., Feldmann, R. E., Kleindienst, N., Priebe, K., Bohus, M., & Vocks, S. (2013). Body image disturbance in patients with borderline personality disorder: Impact of eating disorders and perceived childhood sexual abuse. *Body Image*, 10, 220–225.
- Espeset, E. M., Nordbo, R. H., Gulliksen, K. S., Skarderud, F., Geller, J., & Holte, A. (2011). The concept of body image disturbance in anorexia nervosa: An empirical inquiry utilizing patient’s subjective experiences. *Eating Disorders*, 19(2), 175–193.
- Esplen, M. J., Wong, J., Warner, E., & Toner, B. (2018). Restoring body image after cancer (ReBIC): Results of a randomized controlled trial. *Journal of Clinical Oncology*, 36(8), 749–757.
- Fogelkvist, M., Parling, T., Kjellin, L., & Gustafsson, S. A. (2016). A qualitative analysis of participants’ reflections on body image during participation in a randomized controlled trial of acceptance and commitment therapy. *Journal of Eating Disorders*, 12, 4:29. Doi: 10.1186/s40337-016-0120-4
- Glimartin, J. (2013). Body image concerns amongst massive weight loss patients. *Journal of Clinical Nursing*, 22(9–10), 1299–1309.
- Griffiths, C., Williamson, H., Zucchelli, F., Paraskeva, N., & Moss, T. (2018). A systematic review of the effectiveness of acceptance and commitment therapy (ACT) for body image dissatisfaction and weight self-stigma in adults. *Journal of Contemporary Psychotherapy*, 48, 189–204.
- Kołodziej, H., Guskowska M., Mazur J., Dzińska A. Self-efficacy, self-esteem and body image as psychological determinants of 15-year-old adolescents’ physical activity levels. *Human movement*. 2012;13 (3):264–70.

- Lamb, K. M., Nogg, K. A., Safren, S. A., & Blashill, A. J. (2018). Mechanism of change in cognitive behavioral therapy for body image and self-care on ART adherence among sexual minority men living with HIV. *AIDS and Behavior*, 22(8), 2711–2717.
- Legenbauer, T., Martin, F., Blaschke, A., Schwenzfeier, A., Blechert, J., & Schnicker, K. (2017). Two sides of the same coin? A new instrument to assess body checking and avoidance behaviors in eating disorders. *Body Image*, 21, 39–46.
- Lewer, M., Nasrawi, N., Schroeder, D., & Vocks, S. (2016). Body image disturbance in binge eating disorder: A comparison of obese patients with and without binge eating disorder regarding the cognitive, behavioral and perceptual component of body image. *Eating and Weight Disorders*, 21(1), 115–125.
- Lydecker, J. A., White, M., & Grilo, C. M. (2017). Form and formulation: Examining the distinctiveness of body image constructs in treatment-seeking patients with binge-eating disorder. *Journal of Consulting and Clinical Psychology*, 85(11), 1095–1103.
- Mills, J. & Fuller-Tyszkiewicz, M. (2017). Fat talk and body image disturbance: A systematic review and meta-analysis. *Psychology of Women Quarterly*, 41(1), 114–129.
- Paterson, C., Lengacher, C. A., Donovan, K. A., Kip, D. E., & Tofthagen, C. S. (2016). Body image in younger breast cancer survivors: A systematic review. *Cancer Nursing*, 39(1), E39–E58.
- Rhoten, B. A. (2016). Body image disturbance in adults treated for cancer-a concept analysis. *Journal of Advanced Nursing*, 72(5), 1001–1011.
- Rhoten, B. A., Deng, J., Dietrich, M. S., Murphy, B., & Ridner, S. H. (2014). Body image and depressive symptoms in patients with head and neck cancer: An important relationship. *Support Care Cancer*, 22(11), 3053–3060.
- Salerno, L., Lo Coco, G., Gullo, S., Iaconopelli, R., Caltabiano, M. L., Ricciardelli, L. A. (2015). Self-esteem mediates the associations among negative affect, body disturbances, and interpersonal problems in treatment-seeking obese individuals. *Clinical Psychologist* 19, 85–95.
- Sharpe, L., Patel, D., & Clarke, S. (2011). The relationship between body image disturbance and distress in colorectal cancer patients with and without stomas. *Journal of Psychosomatic Research*, 70, 395–402.
- Stasik-O'Brien, S. M., Schmidt, J. (2018). The role of disgust in body image disturbance: Incremental predictive power of self-disgust. *Body Image*, 27, 128–137.
- Steinmann, C., Krille, S., Mueller, A., Weber, P., Reingruber, B. & Martin, A. (2011). Pectus excavatum and pectus carinatum suffer from lower quality of life and impaired body image: A control group comparison of psychological characteristics prior to surgical correction. *European Journal of Cardio-thoracic Surgery*, 40, 1138–1145.
- Stuerz, K., Lafenthaler, M., Pfaffenberger, N., Kopp, M., Gutweniger, S., & Guenter, V. (2009). Body image and body concept in patients with chronic tinnitus. *European Archives of Otorhinolaryngology*, 266(7), 961–965.
- Teo, I., Fronczyk, K. M., Guindani, M., Vannucci, M., Ulfers, S. S., Hanasono, M. M., & Fingeret, M. C. (2016). Salient body image concerns of patients with cancer undergoing head and neck reconstruction. *Head & neck*, 38(7), 1035–1042.
- Teufel, M., Rieber, N., Meile, T., Giel, K. E., Sauer, H., Hunnemeyer, K., ...Zipfel. (2012). Body image after sleeve gastrectomy: Reduced dissatisfaction and increased dynamics. *Obesity Surgery*, 22, 1232–1237.

Toh, W. L., Castle, D. J., & Rossell, S. L., (2017). How individuals with body dysmorphic disorder (BDD) process their own face: A quantitative and qualitative investigation based on an eye-tracking paradigm. *Cognitive Neuropsychiatry*, 22(3), 213–232.

7 Domain 7. Role relationship

7.1 Class 1. Caregiving roles

Impaired parenting (00056)

- Barnett, M., Baca, A., Jordan, T., Tilley, C., & Ellis, A. (2015). Associations Among Child Perceptions of Parenting Support, Maternal Parenting Efficacy and Maternal Depressive Symptoms. *Child & Youth Care Forum*, 44(1), 17–32.
- Bartlett, J. D., Guzman, L., & Ramos-Olazagasti, M. A. (2018). Parenting knowledge among first-time parents of young children (No. 28). Issue Brief. (2 studies, summarized – one was systematic review, one was focus group with parents). Readiness for enhanced parenting
- Beers, L. A. S., & Hollo, R. E. (2009). Approaching the adolescent-headed family: A review of teen parenting. Current problems in pediatric and adolescent health care, 39 (9), 216–233. – Article review showing teen fathers desire to improve parenting skills, to be good fathers, etc. Readiness for enhanced parenting
- Berg-Nielsen, T. S., Vikan, A., & Dahl, A. A. (2003). Specific parenting problems when adolescents have emotional and behavioural disorders. *Nordic journal of psychiatry*, 57(2), 139–146. doi:10.1080/08039480310000978
- Burstein, M., Ginsburg, G., & Tein, J. (2010). Parental Anxiety and Child Symptomatology: An Examination of Additive and Interactive Effects of Parent Psychopathology. *Journal of Abnormal Child Psychology*, 38(7), 897–909.
- Dougherty, L., Tolep, M., Smith, V., & Rose, S. (2013). Early Exposure to Parental Depression and Parenting: Associations with Young Offspring's Stress Physiology and Oppositional Behavior. *Journal of Abnormal Child Psychology*, 41(8), 1299–310.
- Dunn, E. (2019). Smartphones distract parents from cultivating feelings of connection when spending time with their children. *Journal of Social and Personal Relationships*, 36(6), 1619–1639.
- Fuemmeler, B., Behrman, P., Taylor, M., Sokol, R., Rothman, E., Jacobson, L., & Wischenka, D. (2017). Child and family health in the era of prevention: New opportunities and challenges. *Journal of Behavioral Medicine*, 40(1), 159.
- Gewirtz, A. H., Erbes, C. R., Polusny, M. A., Forgatch, M. S., & DeGarmo, D. S. (2011). Helping military families through the deployment process: strategies to support parenting. *Professional psychology: Research and practice*, 42(1), 56. Readiness for enhanced parenting
- Gray, P. H., Edwards, D. M., & Gibbons, K. (2018). Parenting stress trajectories in mothers of very preterm infants to 2 years. *Archives of Disease in Childhood-Fetal and Neonatal Edition*, 103(1), F43-F48.
- Groh, A. M., Roisman, G. I., van IJzendoorn, M. H., Bakermans-Kranenburg, M. J., & Fearon, R. P. (2012). The significance of insecure and disorganized attachment for children's internalizing symptoms: A meta-analytic study. *Child development*, 83(2), 591–610.
- Gruhn, M. A., Dunbar, J. P., Watson, K. H., Reising, M. M., McKee, L., Forehand, R., ... & Compas, B. E. (2016). Testing specificity among parents' depressive symptoms, parenting, and child internalizing and externalizing symptoms. *Journal of Family Psychology*, 30(3), 309.

- Hu, X., Li, Y., Situ, M., Guo, K., Yang, P., Zhang, M., & Huang, Y. (2018). Parents' impaired emotion recognition abilities are related to children's autistic symptoms in autism spectrum disorder. *Neuropsychiatric Disease and Treatment*, 14, 2973–2980.
- Janßen, M., Holodynski, M., Müller, J., Reinersmann, A., & Romer, G. (2019). Impaired predictability: Enhanced fluctuations in the parenting behaviour of mothers of pre-school children with clinical diagnoses across three different play tasks. *European Child & Adolescent Psychiatry*, 28(12), 1645–1658.
- Kerstis, Aarts, Tillman, Persson, Engström, Edlund, .. Skalkidou. (2016). Association between parental depressive symptoms and impaired bonding with the infant. *Archives of Women's Mental Health*, 19(1), 87–94.
- Kim, Ah. Rim, Kim, Soo-yeon, & Yun, Ji Eun. (2020). Attachment and relationship-based interventions for families during neonatal intensive care hospitalization: A study protocol for a systematic review and meta-analysis. *Systematic Reviews*, 9, Systematic Reviews, 2020, Vol.9.
- Kushlev, K., & Dunn, E. W. (2019). Smartphones distract parents from cultivating feelings of connection when spending time with their children. *Journal of Social and Personal Relationships*, 36(6), 1619–1639. doi:10.1177/0265407518769387
- Martel, M. M., Levinson, C. A., Lee, C. A., & Smith, T. E. (2017). Impulsivity Symptoms as Core to the Developmental Externalizing Spectrum. *Journal of abnormal child psychology*, 45(1), 83–90. doi:10.1007/s10802-016-0148-6
- Mirick, R. G., & Steenrod, S. A. (2016). Opioid use disorder, attachment, and parenting: Key concerns for practitioners. *Child and adolescent social work journal*, 33(6), 547–557.
- Nath, S., Russell, G., Ford, T., Kuyken, W., & Psychogiou, L. (2015). Postnatal paternal depressive symptoms associated with fathers' subsequent parenting: Findings from the Millennium Cohort Study. *British Journal of Psychiatry*, 207(6), 558–559. doi:10.1192/bjp.bp.114.148379
- Ng-Knight, T., Shelton, K. H., Frederickson, N., McManus, I. C., & Rice, F. (2018). Maternal depressive symptoms and adolescent academic attainment: Testing pathways via parenting and self-control. *Journal of adolescence*, 62, 61–69. doi:10.1016/j.adolescence.2017.11.003
- Orozco-Vargas, Luis Carlos, & Villamizar-Carvajal, Beatriz, & Vargas-Porras, Carolina (2015). Impaired Parenting (00056) in Primiparous Mothers: Clinical Validation through Rasch Analysis. *Aquichan*, 15(2), 176–187. [fecha de Consulta 25 de Mayo de 2020]. ISSN: 1657–5997. Disponible en: <https://www.redalyc.org/articulo.oa?id=741/74140060002>
- Parent, J., Forehand, R., Dunbar, J., Watson, K., Reising, M., Seehuus, M., & Compas, B. (2014). Parent and Adolescent Reports of Parenting When a Parent Has a History of Depression: Associations with Observations of Parenting. *Journal of Abnormal Child Psychology*, 42(2), 173–83.
- Perreira, K. M., Chapman, M. V., & Stein, G. L. (2006). Becoming an American parent: Overcoming challenges and finding strength in a new immigrant Latino community. *Journal of Family Issues*, 27(10), 1383–1414. – Qualitative design to understand parenting desires Readiness for enhanced parenting
- Pignotti, M., & Donzelli, G. (2015). Preterm babies at a glance. *Journal of Clinical Neonatology*, 4(2), 75.
- Pisinger, V., Bloomfield, K., & Tolstrup, J. (2016). Perceived parental alcohol problems, internalizing problems and impaired parent–child relationships among 71988 young people in Denmark. *Addiction*, 111(11), 1966–1974.

- Reeb, B., Conger, K., & Martin, M. (2013). Perceived Economic Strain Exacerbates the Effect of Paternal Depressed Mood on Hostility. *Journal of Family Psychology*, 27 (2), 263–270.
- Reinhardt Andrade, F., Capelas, M., Charepe, Z., & Deodato, S. (2020). Experiences of Homeless Families in Parenthood: A Systematic Review and Synthesis of Qualitative Evidence. *International Journal of Environmental Research and Public Health*, 17 (8), 2712.
- Slomian, J., Honvo, G., Emons, P., Reginster, J.-Y., & Bruyère, O. (2019). Consequences of maternal postpartum depression: A systematic review of maternal and infant outcomes. *Women's Health*. doi:10.1177/1745506519844044
- Tabak, I., Zablocka-Żytka, L., Ryan, P., Poma, S., Joronen, K., Viganò, G., .. Dawson, I. (2016). Needs, expectations and consequences for children growing up in a family where the parent has a mental illness. *International Journal of Mental Health Nursing*, 25(4), 319–329.
- Van Wert, M., Anreiter, I., Fallon, B., & Sokolowski, M. (2019). Intergenerational Transmission of Child Abuse and Neglect: A Transdisciplinary Analysis. *Gender and the Genome*, 3, Gender and the Genome, 19 February 2019, Vol.3.
- Vreeland, A., Gruhn, M. A., Watson, K. H., Bettis, A. H., Compas, B. E., Forehand, R., & Sullivan, A. D. (2019). Parenting in context: associations of parental depression and socioeconomic factors with parenting behaviors. *Journal of Child and Family Studies*, 28(4), 1124–1133.
- Walsh, T. B., Dayton, C. J., Erwin, M. S., Muzik, M., Busuito, A., & Rosenblum, K. L. (2014). Fathering after military deployment: Parenting challenges and goals of fathers of young children. *Health & Social Work*, 39(1), 35–44. – Grounded theory study Readiness for enhanced parenting

Risk for impaired parenting (00057)

- Barnett, M., Baca, A., Jordan, T., Tilley, C., & Ellis, A. (2015). Associations Among Child Perceptions of Parenting Support, Maternal Parenting Efficacy and Maternal Depressive Symptoms. *Child & Youth Care Forum*, 44(1), 17–32.
- Bartlett, J. D., Guzman, L., & Ramos-Olazagasti, M. A. (2018). Parenting knowledge among first-time parents of young children (No. 28). Issue Brief. (2 studies, summarized – one was systematic review, one was focus group with parents). Readiness for enhanced parenting
- Beers, L. A. S., & Hollo, R. E. (2009). Approaching the adolescent-headed family: A review of teen parenting. *Current problems in pediatric and adolescent health care*, 39 (9), 216–233. – Article review showing teen fathers desire to improve parenting skills, to be good fathers, etc. Readiness for enhanced parenting
- Berg-Nielsen, T. S., Vikan, A., & Dahl, A. A. (2003). Specific parenting problems when adolescents have emotional and behavioural disorders. *Nordic journal of psychiatry*, 57(2), 139–146. doi:10.1080/08039480310000978
- Burstein, M., Ginsburg, G., & Tein, J. (2010). Parental Anxiety and Child Symptomatology: An Examination of Additive and Interactive Effects of Parent Psychopathology. *Journal of Abnormal Child Psychology*, 38(7), 897–909.
- Dougherty, L., Tolep, M., Smith, V., & Rose, S. (2013). Early Exposure to Parental Depression and Parenting: Associations with Young Offspring's Stress Physiology and Oppositional Behavior. *Journal of Abnormal Child Psychology*, 41(8), 1299–310.

- Dunn, E. (2019). Smartphones distract parents from cultivating feelings of connection when spending time with their children. *Journal of Social and Personal Relationships*, 36(6), 1619–1639.
- Fuemmeler, B., Behrman, P., Taylor, M., Sokol, R., Rothman, E., Jacobson, L., & Wischenka, D. (2017). Child and family health in the era of prevention: New opportunities and challenges. *Journal of Behavioral Medicine*, 40(1), 159.
- Gewirtz, A. H., Erbes, C. R., Polusny, M. A., Forgatch, M. S., & DeGarmo, D. S. (2011). Helping military families through the deployment process: strategies to support parenting. *Professional psychology: Research and practice*, 42(1), 56. Readiness for enhanced parenting
- Gray, P. H., Edwards, D. M., & Gibbons, K. (2018). Parenting stress trajectories in mothers of very preterm infants to 2 years. *Archives of Disease in Childhood-Fetal and Neonatal Edition*, 103(1), F43–F48.
- Groh, A. M., Roisman, G. I., van IJzendoorn, M. H., Bakermans-Kranenburg, M. J., & Fearon, R. P. (2012). The significance of insecure and disorganized attachment for children's internalizing symptoms: A meta-analytic study. *Child development*, 83(2), 591–610.
- Gruhn, M. A., Dunbar, J. P., Watson, K. H., Reising, M. M., McKee, L., Forehand, R., ... & Compas, B. E. (2016). Testing specificity among parents' depressive symptoms, parenting, and child internalizing and externalizing symptoms. *Journal of Family Psychology*, 30(3), 309.
- Hu, X., Li, Y., Situ, M., Guo, K., Yang, P., Zhang, M., & Huang, Y. (2018). Parents' impaired emotion recognition abilities are related to children's autistic symptoms in autism spectrum disorder. *Neuropsychiatric Disease and Treatment*, 14, 2973–2980.
- Janßen, M., Holodynski, M., Müller, J., Reinersmann, A., & Romer, G. (2019). Impaired predictability: Enhanced fluctuations in the parenting behaviour of mothers of pre-school children with clinical diagnoses across three different play tasks. *European Child & Adolescent Psychiatry*, 28(12), 1645–1658.
- Kerstis, Aarts, Tillman, Persson, Engström, Edlund, .. Skalkidou. (2016). Association between parental depressive symptoms and impaired bonding with the infant. *Archives of Women's Mental Health*, 19(1), 87–94.
- Kim, Ah. Rim, Kim, Soo-yeon, & Yun, Ji Eun. (2020). Attachment and relationship-based interventions for families during neonatal intensive care hospitalization: A study protocol for a systematic review and meta-analysis. *Systematic Reviews*, 9, Systematic Reviews, 2020, Vol.9.
- Kushlev, K., & Dunn, E. W. (2019). Smartphones distract parents from cultivating feelings of connection when spending time with their children. *Journal of Social and Personal Relationships*, 36(6), 1619–1639. doi:10.1177/0265407518769387
- Martel, M. M., Levinson, C. A., Lee, C. A., & Smith, T. E. (2017). Impulsivity Symptoms as Core to the Developmental Externalizing Spectrum. *Journal of abnormal child psychology*, 45(1), 83–90. doi:10.1007/s10802-016-0148-6
- Mirick, R. G., & Steenrod, S. A. (2016). Opioid use disorder, attachment, and parenting: Key concerns for practitioners. *Child and adolescent social work journal*, 33(6), 547–557.
- Nath, S., Russell, G., Ford, T., Kuyken, W., & Psychogiou, L. (2015). Postnatal paternal depressive symptoms associated with fathers' subsequent parenting: Findings from the Millennium Cohort Study. *British Journal of Psychiatry*, 207(6), 558–559. doi:10.1192/bjp.bp.114.148379

- Ng-Knight, T., Shelton, K. H., Frederickson, N., McManus, I. C., & Rice, F. (2018). Maternal depressive symptoms and adolescent academic attainment: Testing pathways via parenting and self-control. *Journal of adolescence*, 62, 61–69. doi:10.1016/j.adolescence.2017.11.003
- Orozco-Vargas, Luis Carlos, & Villamizar-Carvajal, Beatriz, & Vargas-Porras, Carolina (2015). Impaired Parenting (00056) in Primiparous Mothers: Clinical Validation through Rasch Analysis. *Aquichan*, 15(2), 176–187. [fecha de Consulta 25 de Mayo de 2020]. ISSN: 1657–5997. Disponible en: <https://www.redalyc.org/articulo.oa?id=741/74140060002>
- Parent, J., Forehand, R., Dunbar, J., Watson, K., Reising, M., Seehuus, M., & Compas, B. (2014). Parent and Adolescent Reports of Parenting When a Parent Has a History of Depression: Associations with Observations of Parenting. *Journal of Abnormal Child Psychology*, 42(2), 173–83.
- Perreira, K. M., Chapman, M. V., & Stein, G. L. (2006). Becoming an American parent: Overcoming challenges and finding strength in a new immigrant Latino community. *Journal of Family Issues*, 27(10), 1383–1414. – Qualitative design to understand parenting desires Readiness for enhanced parenting
- Pignotti, M., & Donzelli, G. (2015). Preterm babies at a glance. *Journal of Clinical Neonatology*, 4(2), 75.
- Pisinger, V., Bloomfield, K., & Tolstrup, J. (2016). Perceived parental alcohol problems, internalizing problems and impaired parent–child relationships among 71988 young people in Denmark. *Addiction*, 111(11), 1966–1974.
- Reeb, B., Conger, K., & Martin, M. (2013). Perceived Economic Strain Exacerbates the Effect of Paternal Depressed Mood on Hostility. *Journal of Family Psychology*, 27(2), 263–270.
- Reinhardt Andrade, F., Capelas, M., Charepe, Z., & Deodato, S. (2020). Experiences of Homeless Families in Parenthood: A Systematic Review and Synthesis of Qualitative Evidence. *International Journal of Environmental Research and Public Health*, 17(8), 2712.
- Slomian, J., Honvo, G., Emonts, P., Reginster, J.-Y., & Bruyère, O. (2019). Consequences of maternal postpartum depression: A systematic review of maternal and infant outcomes. *Women's Health*. doi:10.1177/1745506519844044
- Tabak, I., Zabłocka-Żytka, L., Ryan, P., Poma, S., Joronen, K., Viganò, G., .. Dawson, I. (2016). Needs, expectations and consequences for children growing up in a family where the parent has a mental illness. *International Journal of Mental Health Nursing*, 25(4), 319–329.
- Van Wert, M., Anreiter, I., Fallon, B., & Sokolowski, M. (2019). Intergenerational Transmission of Child Abuse and Neglect: A Transdisciplinary Analysis. *Gender and the Genome*, 3, *Gender and the Genome*, 19 February 2019, Vol.3.
- Vreeland, A., Gruhn, M. A., Watson, K. H., Bettis, A. H., Compas, B. E., Forehand, R., & Sullivan, A. D. (2019). Parenting in context: associations of parental depression and socioeconomic factors with parenting behaviors. *Journal of Child and Family Studies*, 28(4), 1124–1133.
- Walsh, T. B., Dayton, C. J., Erwin, M. S., Muzik, M., Busuito, A., & Rosenblum, K. L. (2014). Fathering after military deployment: Parenting challenges and goals of fathers of young children. *Health & Social Work*, 39(1), 35–44. – Grounded theory study Readiness for enhanced parenting

Readiness for enhanced parenting (00164)

- Barnett, M., Baca, A., Jordan, T., Tilley, C., & Ellis, A. (2015). Associations Among Child Perceptions of Parenting Support, Maternal Parenting Efficacy and Maternal Depressive Symptoms. *Child & Youth Care Forum*, 44(1), 17–32.
- Bartlett, J. D., Guzman, L., & Ramos-Olazagasti, M. A. (2018). Parenting knowledge among first-time parents of young children (No. 28). Issue Brief. (2 studies, summarized – one was systematic review, one was focus group with parents). Readiness for enhanced parenting
- Beers, L. A. S., & Hollo, R. E. (2009). Approaching the adolescent-headed family: A review of teen parenting. Current problems in pediatric and adolescent health care, 39 (9), 216–233. – Article review showing teen fathers desire to improve parenting skills, to be good fathers, etc. Readiness for enhanced parenting
- Berg-Nielsen, T. S., Vikan, A., & Dahl, A. A. (2003). Specific parenting problems when adolescents have emotional and behavioural disorders. *Nordic journal of psychiatry*, 57(2), 139–146. doi:10.1080/08039480310000978
- Burstein, M., Ginsburg, G., & Tein, J. (2010). Parental Anxiety and Child Symptomatology: An Examination of Additive and Interactive Effects of Parent Psychopathology. *Journal of Abnormal Child Psychology*, 38(7), 897–909.
- Dougherty, L., Tolep, M., Smith, V., & Rose, S. (2013). Early Exposure to Parental Depression and Parenting: Associations with Young Offspring's Stress Physiology and Oppositional Behavior. *Journal of Abnormal Child Psychology*, 41(8), 1299–310.
- Dunn, E. (2019). Smartphones distract parents from cultivating feelings of connection when spending time with their children. *Journal of Social and Personal Relationships*, 36(6), 1619–1639.
- Fuemmeler, B., Behrman, P., Taylor, M., Sokol, R., Rothman, E., Jacobson, L., & Wischenka, D. (2017). Child and family health in the era of prevention: New opportunities and challenges. *Journal of Behavioral Medicine*, 40(1), 159.
- Gewirtz, A. H., Erbes, C. R., Polusny, M. A., Forgatch, M. S., & DeGarmo, D. S. (2011). Helping military families through the deployment process: strategies to support parenting. *Professional psychology: Research and practice*, 42(1), 56. Readiness for enhanced parenting
- Gray, P. H., Edwards, D. M., & Gibbons, K. (2018). Parenting stress trajectories in mothers of very preterm infants to 2 years. *Archives of Disease in Childhood-Fetal and Neonatal Edition*, 103(1), F43-F48.
- Groh, A. M., Roisman, G. I., van IJzendoorn, M. H., Bakermans-Kranenburg, M. J., & Fearon, R. P. (2012). The significance of insecure and disorganized attachment for children's internalizing symptoms: A meta-analytic study. *Child development*, 83(2), 591–610.
- Gruhn, M. A., Dunbar, J. P., Watson, K. H., Reising, M. M., McKee, L., Forehand, R., ... & Compas, B. E. (2016). Testing specificity among parents' depressive symptoms, parenting, and child internalizing and externalizing symptoms. *Journal of Family Psychology*, 30(3), 309.
- Hu, X., Li, Y., Situ, M., Guo, K., Yang, P., Zhang, M., & Huang, Y. (2018). Parents' impaired emotion recognition abilities are related to children's autistic symptoms in autism spectrum disorder. *Neuropsychiatric Disease and Treatment*, 14, 2973–2980.
- Janßen, M., Holodynski, M., Müller, J., Reinersmann, A., & Romer, G. (2019). Impaired predictability: Enhanced fluctuations in the parenting behaviour of mothers of pre-school children with clinical diagnoses across three different play tasks. *European Child & Adolescent Psychiatry*, 28(12), 1645–1658.

- Kerstis, Aarts, Tillman, Persson, Engström, Edlund, .. Skalkidou. (2016). Association between parental depressive symptoms and impaired bonding with the infant. *Archives of Women's Mental Health*, 19(1), 87–94.
- Kim, Ah. Rim, Kim, Soo-yeon, & Yun, Ji Eun. (2020). Attachment and relationship-based interventions for families during neonatal intensive care hospitalization: A study protocol for a systematic review and meta-analysis. *Systematic Reviews*, 9, Systematic Reviews, 2020, Vol.9.
- Kushlev, K., & Dunn, E. W. (2019). Smartphones distract parents from cultivating feelings of connection when spending time with their children. *Journal of Social and Personal Relationships*, 36(6), 1619–1639. doi:10.1177/0265407518769387
- Martel, M. M., Levinson, C. A., Lee, C. A., & Smith, T. E. (2017). Impulsivity Symptoms as Core to the Developmental Externalizing Spectrum. *Journal of abnormal child psychology*, 45(1), 83–90. doi:10.1007/s10802-016-0148-6
- Mirick, R. G., & Steenrod, S. A. (2016). Opioid use disorder, attachment, and parenting: Key concerns for practitioners. *Child and adolescent social work journal*, 33(6), 547–557.
- Nath, S., Russell, G., Ford, T., Kuyken, W., & Psychogiou, L. (2015). Postnatal paternal depressive symptoms associated with fathers' subsequent parenting: Findings from the Millennium Cohort Study. *British Journal of Psychiatry*, 207(6), 558–559. doi:10.1192/bjp.bp.114.148379
- Ng-Knight, T., Shelton, K. H., Frederickson, N., McManus, I. C., & Rice, F. (2018). Maternal depressive symptoms and adolescent academic attainment: Testing pathways via parenting and self-control. *Journal of adolescence*, 62, 61–69. doi:10.1016/j.adolescence.2017.11.003
- Orozco-Vargas, Luis Carlos, & Villamizar-Carvajal, Beatriz, & Vargas-Porras, Carolina (2015). Impaired Parenting (00056) in Primiparous Mothers: Clinical Validation through Rasch Analysis. *Aquichan*, 15(2), 176–187. [fecha de Consulta 25 de Mayo de 2020]. ISSN: 1657-5997. Disponible en: <https://www.redalyc.org/articulo.oa?id=741/74140060002>
- Parent, J., Forehand, R., Dunbar, J., Watson, K., Reising, M., Seehuus, M., & Compas, B. (2014). Parent and Adolescent Reports of Parenting When a Parent Has a History of Depression: Associations with Observations of Parenting. *Journal of Abnormal Child Psychology*, 42(2), 173–83.
- Perreira, K. M., Chapman, M. V., & Stein, G. L. (2006). Becoming an American parent: Overcoming challenges and finding strength in a new immigrant Latino community. *Journal of Family Issues*, 27(10), 1383–1414. – Qualitative design to understand parenting desires Readiness for enhanced parenting
- Pignotti, M, & Donzelli, G. (2015). Preterm babies at a glance. *Journal of Clinical Neonatology*, 4(2), 75.
- Pisinger, V., Bloomfield, K., & Tolstrup, J. (2016). Perceived parental alcohol problems, internalizing problems and impaired parent–child relationships among 71988 young people in Denmark. *Addiction*, 111(11), 1966–1974.
- Reeb, B., Conger, K., & Martin, M. (2013). Perceived Economic Strain Exacerbates the Effect of Paternal Depressed Mood on Hostility. *Journal of Family Psychology*, 27(2), 263–270.
- Reinhardt Andrade, F., Capelas, M., Charepe, Z., & Deodato, S. (2020). Experiences of Homeless Families in Parenthood: A Systematic Review and Synthesis of Qualitative Evidence. *International Journal of Environmental Research and Public Health*, 17(8), 2712.

- Slomian, J., Honvo, G., Emonts, P., Reginster, J.-Y., & Bruyère, O. (2019). Consequences of maternal postpartum depression: A systematic review of maternal and infant outcomes. *Women's Health*. doi:10.1177/1745506519844044
- Tabak, I., Zabłocka-Żytka, L., Ryan, P., Poma, S., Joronen, K., Viganò, G., .. Dawson, I. (2016). Needs, expectations and consequences for children growing up in a family where the parent has a mental illness. *International Journal of Mental Health Nursing*, 25(4), 319–329.
- Van Wert, M., Anreiter, I., Fallon, B., & Sokolowski, M. (2019). Intergenerational Transmission of Child Abuse and Neglect: A Transdisciplinary Analysis. *Gender and the Genome*, 3, Gender and the Genome, 19 February 2019, Vol.3.
- Vreeland, A., Gruhn, M. A., Watson, K. H., Bettis, A. H., Compas, B. E., Forehand, R., & Sullivan, A. D. (2019). Parenting in context: associations of parental depression and socioeconomic factors with parenting behaviors. *Journal of Child and Family Studies*, 28(4), 1124–1133.
- Walsh, T. B., Dayton, C. J., Erwin, M. S., Muzik, M., Busuito, A., & Rosenblum, K. L. (2014). Fathering after military deployment: Parenting challenges and goals of fathers of young children. *Health & Social Work*, 39(1), 35–44. – Grounded theory study Readiness for enhanced parenting

Caregiver role strain (00061)

None at this time.

Risk for caregiver role strain (00062)

None at this time.

7.2 Class 2. Family relationships

Risk for impaired attachment (00058)

None at this time.

Disturbed family identity syndrome (00283)

- Adjei, S.B. (2017). Entrapment of Victims of Spousal Abuse in Ghana: A Discursive Analysis of Family Identity and Agency of Battered Women. *Journal of Interpersonal Violence*, 32(5), 730–754. Doi: 10.1177/0886260515586375.
- Bagheri-Lankarani N., Zarei F., Zandi M., Omani-Samani R., Karimi M. (2016). The Experiences of Women Fertilized through Egg Donation during their Treatment Process. *EBCJ*, 6 (1), 63–70. Doi: 10.22038/ebcj.2016.6741
- Docan-Morga, S.J. (2014). They Were Strangers Who Loved Me”: Discussions, Narratives, and Rituals after Korean Adoptees’ Initial Reunions with Birth Families. *Journal of Family Communication*, 14(4), 352–373. doi:10.1111/cch.12132
- Epp, A.M., & Price, L.L. (2008). Family Identity: A Framework of Identity Interplay in Consumption Practices. *Journal of Consumer Research*, 35, (1), 50–70. doi:10.1086/529535
- Langellier, K. M., & Peterson, E. E. (2006a). Narrative performance theory: Telling stories, doing family. In D. O. Braithwaite & L. A. Baxter (Eds.), *Engaging theories in family communication: Multiple perspectives* (pp. 99–114). Thousand Oaks, CA: SAGE.

- Michelson, D., & Day, C. (2014). From parent to 'peer facilitator': a qualitative study of a peer-led parenting programme. *Child: health, care and development*, 41(1), 76–83. Doi: 10.1111/cch.12132
- Mitra M., Dabaghi S., Bagheri-Lankarani N., Omani-Samani R., Naderi-Taheri M. (2020). Process of becoming a mother in women receiving donated egg: A grounded theory. *Asian Pac J Reprod.*, In Press.
- Zandi, M., Mohammadi, E., Vanaki, Z., Shiva, M., Bagheri, Lankarani N. & Zarei F. (2017). Confronting infertility in Iranian clients: a grounded theory. *Human Fertility*, 20(4):236–247. Doi: 10.1080/14647273.2017.1283447.
- Zandi, M., Vanaki, Z., Shiva, M., & Mohammadi, E. (2018). Process of becoming a mother for Iranian surrogacy-commissioning mothers: A grounded theory study. *Jpn J Nurs Sci.*, 15(1), 3–16. Doi: 10.1111/jjns.12158.
- Zandi M., Vanaki, Z., Shiva, M., Mohammadi, E., & Bagheri-Lankarani, N. (2016). Security giving in surrogacy motherhood process as a caring model for commissioning mothers: A theory synthesis. *Pn J Nurs Sci.*, 13(3), 331–44. doi:10.1111/jjns.12111.
- Zandi, M. (2013). Exploration of becoming a mother process in commissioning mothers and designing a caring model. Unpublished doctoral dissertation, Tarbiat Modares University, Tehran, Iran (in Persian).

Risk for disturbed family identity syndrome (00284)

- Adjei, S.B. (2017). Entrapment of Victims of Spousal Abuse in Ghana: A Discursive Analysis of Family Identity and Agency of Battered Women. *Journal of Interpersonal Violence*, 32(5), 730–754. Doi: 10.1177/0886260515586375.
- Bagheri-Lankarani N., Zarei F., Zandi M., Omani-Samani R., Karimi M. (2016). The Experiences of Women Fertilized through Egg Donation during their Treatment Process. *EBCJ*, 6 (1), 63–70. Doi: 10.22038/ebcj.2016.6741
- Docan-Morga, S.J. (2014). They Were Strangers Who Loved Me[®]: Discussions, Narratives, and Rituals During Korean Adoptees' Initial Reunions with Birth Families. *Journal of Family Communication*, 14(4), 352–373. doi:10.1111/cch.12132
- Epp, A.M., & Price, L.L. (2008). Family Identity: A Framework of Identity Interplay in Consumption Practices. *Journal of Consumer Research*, 35, (1), 50–70. doi:10.1086/529535
- Langellier, K. M., & Peterson, E. E. (2006a). Narrative performance theory: Telling stories, doing family. In D. O. Braithwaite & L. A. Baxter (Eds.), *Engaging theories in family communication: Multiple perspectives* (pp. 99–114). Thousand Oaks, CA: SAGE.
- Michelson, D., & Day, C. (2014). From parent to 'peer facilitator': a qualitative study of a peer-led parenting programme. *Child: health, care and development*, 41(1), 76–83. Doi: 10.1111/cch.12132
- Mitra M., Dabaghi S., Bagheri-Lankarani N., Omani-Samani R., Naderi-Taheri M. (2020). Process of becoming a mother in women receiving donated egg: A grounded theory. *Asian Pac J Reprod.*, In Press.
- Zandi, M., Mohammadi, E., Vanaki, Z., Shiva, M., Bagheri, Lankarani N. & Zarei F. (2017). Confronting infertility in Iranian clients: a grounded theory. *Human Fertility*, 20(4):236–247. Doi: 10.1080/14647273.2017.1283447.
- Zandi, M., Vanaki, Z., Shiva, M., & Mohammadi, E. (2018). Process of becoming a mother for Iranian surrogacy-commissioning mothers: A grounded theory study. *Jpn J Nurs Sci.*, 15(1), 3–16. Doi: 10.1111/jjns.12158.

- Zandi M., Vanaki, Z., Shiva, M., Mohammadi, E., & Bagheri-Lankarani, N. (2016). Security giving in surrogacy motherhood process as a caring model for commissioning mothers: A theory synthesis. *Pn J Nurs Sci.*, 13(3), 331–44. doi:10.1111/jjns.12111.
- Zandi, M. (2013). Exploration of becoming a mother process in commissioning mothers and designing a caring model. Unpublished doctoral dissertation, Tarbiat Modares University, Tehran, Iran (in Persian).

Dysfunctional family processes (00063)

None at this time.

Interrupted family processes (00060)

None at this time.

Readiness for enhanced family processes (00159)

None at this time.

7.3 Class 3. Role performance

Ineffective relationship (00223)

- Aoki, Y., Kato, N., & Hirasawa, M., (Eds). (2002). *Josangaku Taikei 5 Boshi no Shinri Shakaigaku* [Midwifery System Vol. 5 Psychosociology for Mother and Child]. Tokyo: Japanese Nursing Association Publishing Co.
- Chandola, T., Marmot, M. & J. Siegrist (2007). Failed reciprocity in close social relationships and health: Findings from the Whitehall II study. *Journal of Psychosomatic Research*, 63(4), 403–11.
- Kanbara, F. (1991). *Gendai no Kekkō to Fufu Kankei* [Today's Marriage and Marital Relationship]. Tokyo: Baifukan.
- Kawano M. (1999). *Sexuality no Kango* [Nursing for Sexuality]. Tokyo: Medical Friend.
- Mochizuki, T. (1996). *Kazoku Shyakai-gaku Nyumon* [Introduction to Family Sociology]. Tokyo: Baifukan.
- Muramoto, J. & Mori, A., (Eds). (2007). *Bosei Kango-gaku Joron* [Introduction to Maternal Nursing, 2nd ed]. Tokyo: Ishiyaku Publishing Co.
- Murry, V., Harrell, A., Brody, G., Chen, Y., Simons, R., Black, A., Cutrona, C. & F. Gibbons (2008). Long-Term Effects of Stressors on Relationship Well-Being and Parenting Among Rural African American Women. *Family Relations*, 57(2), 117–127.
- Nojima, S. & Suzuki, K. (Eds). (2005). *Kazoku Kango-gaku* [Family nursing]. Tokyo: Kenpansha.
- Starratt, V., Goetz, A., Shackelford, T., McKibbin, W. & S. Stewart-Williams (2008). Men's partner-directed insults and sexual coercion in intimate relationships. *Journal of Family Violence*, 23(5), 315–323.
- Strawbridge, W., Wallhagen, M. & S. Shema (2011). Spousal interrelations in self-reports of cognition in the context of marital problems. *Gerontology*, 57(2), 148–152.

Risk for ineffective relationship (00229)

- Aoki, Y., Kato, N., & Hirasawa, M., (Eds). (2002). *Josangaku Taikei 5 Boshi no Shinri Shakaigaku* [Midwifery System Vol. 5 Psychosociology for Mother and Child]. Tokyo: Japanese Nursing Association Publishing Co.

- Chandola, T., Marmot, M. & J. Siegrist (2007). Failed reciprocity in close social relationships and health: Findings from the Whitehall II study. *Journal of Psychosomatic Research*, 63(4), 403–11.
- Kanbara, F. (1991). *Gendai no Kekkō to Fufu Kankei* [Today's Marriage and Marital Relationship]. Tokyo: Baifukan.
- Kawano M. (1999). *Sexuality no Kango* [Nursing for Sexuality]. Tokyo: Medical Friend.
- Mochizuki, T. (1996). *Kazoku Shyakai-gaku Nyumon* [Introduction to Family Sociology]. Tokyo: Baifukan.
- Muramoto, J. & Mori, A., (Eds). (2007). *Bosei Kango-gaku Joron* [Introduction to Maternal Nursing, 2nd ed]. Tokyo: Ishiyaku Publishing Co.
- Murry, V., Harrell, A., Brody, G., Chen, Y., Simons, R., Black, A., Cutrona, C. & F. Gibbons (2008). Long-Term Effects of Stressors on Relationship Well-Being and Parenting Among Rural African American Women. *Family Relations*, 57(2), 117–127.
- Nojima, S. & Suzuki, K. (Eds). (2005). *Kazoku Kango-gaku* [Family nursing]. Tokyo: Kenpansha.
- Starratt, V., Goetz, A., Shackelford, T., McKibbin, W. & S. Stewart-Williams (2008). Men's partner-directed insults and sexual coercion in intimate relationships. *Journal of Family Violence*, 23(5), 315–323.
- Strawbridge, W., Wallhagen, M. & S. Shema (2011). Spousal interrelations in self-reports of cognition in the context of marital problems. *Gerontology*, 57(2), 148–152.

Readiness for enhanced relationship (00207)

- Aoki, Y., Kato, N., & Hirasawa, M., (Eds). (2002). *Josangaku Taikai 5 Boshi no Shinri Shakaigaku* [Midwifery System Vol. 5 Psychosociology for Mother and Child]. Tokyo: Japanese Nursing Association Publishing Co.
- Kanbara, F. (1991). *Gendai no Kekkō to Fufu Kankei* [Today's Marriage and Marital Relationship]. Tokyo: Baifukan.
- Kawano M. (1999). *Sexuality no Kango* [Nursing for Sexuality]. Tokyo: Medical Friend.

- Mochizuki, T. (1996). *Kazoku Shyakai-gaku Nyumon* [Introduction to Family Sociology]. Tokyo: Baifukan.
- Muramoto, J. & Mori, A., (Eds). (2007). *Bosei Kango-gaku Joron* [Introduction to Maternal Nursing, 2nd ed]. Tokyo: Ishiyaku Publishing Co.
- Nojima, S. & Suzuki, K. (Eds). (2005). *Kazoku Kango-gaku* [Family nursing]. Tokyo: Kenpansha.

Parental role conflict (00064)

None at this time.

Ineffective role performance (00055)

None at this time.

Impaired social interaction (00052)

- Adams KB, Sanders S, Auth EA. Loneliness and depression in independent living retirement communities: risk and resilience factors. *Aging Ment Health*. 2004;8(6):475–485. doi:10.1080/13607860410001725054

- Alpass FM, Neville S. Loneliness, health and depression in older males. *Aging Ment Health*. 2003 May;7(3):212–6. doi:10.1080/1360786031000101193
- Azodo, C.C., Ogbonor, O.G. (2019). Social Distance Towards Halitosis Sufferers. *Swiss Dent J*, 129(12), 1026–1030.
- Cohen-Mansfield J, Hazan H, Lerman Y, Shalom V. Correlates and predictors of loneliness in older adults: a review of quantitative results informed by qualitative insights. *Int Psychogeriatr*. 2016;28(4):557–576. doi:10.1017/S1041610215001532
- Day, F. R., Ong, K. K., & Perry, J. R. B. (2018). Elucidating the genetic basis of social interaction and isolation. *Nature Communications*, 9(1). doi:10.1038/s41467-018-04930-1
- Drageset J, Espehaug B, Kirkevold M. The impact of depression and sense of coherence on emotional and social loneliness among nursing home residents without cognitive impairment - a questionnaire survey. *J Clin Nurs*. 2012 Apr;21(7–8):965–74. doi:10.1111/j.1365-2702.2011.03932.x. Epub 2012 Jan 18.
- Hämmig O (2019) Correction: Health risks associated with social isolation in general and in young, middle and old age. *PLOS ONE* 14(8): e0222124. doi:10.1371/journal.pone.0222124
- Jakubowska, A., Kaselionyte, J., Priebe, S., & Giacco, D. (2019). Internet Use for Social Interaction by People with Psychosis: A Systematic Review. *Cyberpsychology, Behavior, and Social Networking*. doi:10.1089/cyber.2018.0554
- Pantell, M., Rehkopf, D., Jutte, D., Syme, S. L., Balmes, J., & Adler, N. (2013). Social isolation: a predictor of mortality comparable to traditional clinical risk factors. *American journal of public health*, 103(11), 2056–2062. doi:10.2105/AJPH.2013.301261
- R.S. Tilvis, P. Routasalo, H. Karppinen, T.E. Strandberg, H. Kautiainen, K.H. Pitkala. Social isolation, social activity and loneliness as survival indicators in old age; a nationwide survey with a 7-year follow-up, *European Geriatric Medicine*, Volume 3, Issue 1, 2012, Pages 18–22, ISSN 1878-7649, doi:10.1016/j.eurger.2011.08.004.
- Rahm-Knigge, R. L., Prince, M. A., & Conner, B. T. (2018). Social interaction anxiety and personality traits predicting engagement in health risk sexual behaviors. *Journal of Anxiety Disorders*, 57, 57–65. doi:10.1016/j.janxdis.2018.05.002
- RW Smith et al., Social isolation in relation to vascular disease incidence and mortality among 325,000 UK women; a prospective cohort study. *J Epidemiol Community Health*, 2018
- Shankar A, McMunn A, Demakakos P, Hamer M, Steptoe A. Social isolation and loneliness: Prospective associations with functional status in older adults. *Health Psychol*. 2017;36(2):179–187. doi:10.1037/hea0000437
- Tanskanen, Jussi & Anttila, Timo. (2016). A Prospective Study of Social Isolation, Loneliness, and Mortality in Finland. *American journal of public health*. 106. e1–e7. 10.2105/AJPH.2016.303431.
- Wang, T., Beckstead, J. W., & Yang, C. (2019). Social interaction skills and depressive symptoms in people diagnosed with schizophrenia: The mediating role of auditory hallucinations. *International Journal of Mental Health Nursing*. doi:10.1111/inm.12643
- Witvliet M, Brendgen M, van Lier PA, Koot HM, Vitaro F. Early adolescent depressive symptoms: prediction from clique isolation, loneliness, and perceived social acceptance. *J Abnorm Child Psychol*. 2010;38(8):1045–1056. doi:10.1007/s10802-010-9426-x

8 Domain 8. Sexuality

8.1 Class 1. Sexual identity

This class does not currently contain any diagnoses

8.2 Class 2. Sexual function

Sexual dysfunction (00059)

- Cavalcanti, R. & Cavalcanti, M. (1996). Tratamento clinico das inadequacies sexuais, 2nd ed. São Paulo: Roca.
- Hogan, R.M. (1985). Human sexuality: A nursing perspective. New York: Appleton-Century-Crofts.
- Kaplan, H.S. (1983). O desejo sexual – e novos conceitos etécnicas da terapia do sexo. Rio de Janeiro: Nova Fronteira.
- Kaplan, H.S. (1977). A nova terapia do sexo: tratamento dinâmico das disfunções sexuais. Rio de Janeiro: Nova Fronteira.

Ineffective sexuality pattern (00065)

- Cavalcanti, R. & Cavalcanti, M. (1996). Tratamento clinico das inadequacies sexuais, 2nd ed. São Paulo: Roca.
- Hogan, R.M. (1985). Human sexuality: A nursing perspective. New York: Appleton-Century-Crofts.
- Kaplan, H.S. (1983). O desejo sexual – e novos conceitos etécnicas da terapia do sexo. Rio de Janeiro: Nova Fronteira.
- Kaplan, H.S. (1977). A nova terapia do sexo: tratamento dinâmico das disfunções sexuais. Rio de Janeiro: Nova Fronteira.

8.3 Class 3. Reproduction

Ineffective childbearing process (00221)

- Aoki, Y., (Ed.) (1998). Bosei Hoken wo meguru Shidou Kyouiku Soudan 2 [Coaching, education, and counseling in maternal health, Vol. 2]. Tokyo: Life Science Co.
- Aoki, Y., Kato, N., & Hirasawa, M., (Eds.) (2003). Josangaku Taikei 8 Josan Shindan Gijyutsu-gaku 2 [Midwifery System Vol. 8 Maternity diagnoses and techniques 2]. Tokyo: Japanese Nursing Association Publishing Co.
- Aoki, Y., Kato, N., & Hirasawa, M., (Eds.) (2002). Josangaku Taikei 5 Boshi no Shinri Shakaigaku [Midwifery System Vol. 5 Psychosociology for mother and child]. Tokyo: Japanese Nursing Association Publishing Co.
- Callister, L.C., Holt, S.T., & Kuhre, M. (2010). Giving Birth: The Voices of Australian Women Journal of Perinatal & Neonatal Nursing, (24)2, 128–136.
- Darvill, R., Skirton, H. & P. Farrand (2008). Psychological factors that impact on women's experiences of first-time motherhood: a qualitative study of the transition. Midwifery, 26(3), 357–366.

- Furber, C., Garrod, D., Maloney, E., Lovell, K. & L. McGowan (2009). A qualitative study of mild to moderate psychological distress during pregnancy. *International Journal of Nursing Studies*, 46(5), 669–677.
- Japan Society for Maternity Diagnoses, (Ed.). (2004). *Maternity Shindan guidebook* [Guidebook of maternity diagnoses]. Tokyo: Igakushoin.
- Kabeyama, K., (Ed.). (2006). *Rinsho Josanfu Hikkei: Seimei to Bunka wo Fumaeta Shigen* [Essentials of clinical midwifery: Caring based on life and culture, 2nd ed]. Tokyo: Igakushoin.
- Okayama National Hospital, ed. (2000). *Akachan ni Yasashii Byouin no Bonyuu Ikuji Shidou* [Breast-feeding and newborn-care teaching manuals from a baby—friendly hospital]. Tokyo: Medica Publishing Co.
- Savage, C. (2009). A proposed framework related to the care of addicted mothers. *Journal of Addictions Nursing*, 20(3), 158–160.
- Sharps, P., Laughon, K., & S. Giangrande (2007). Intimate partner violence and the childbearing year: maternal and infant health consequences. *Trauma Violence Abuse*, 8(2), 105–116.
- Taketani, Y. & Kabeyama, S., (Eds.). (2007). *Josangaku Kouza 6* [Midwifery Course Vol. 6]. Tokyo: Igakushoin.

Risk for ineffective childbearing process (00227)

- Aoki, Y., (Ed.) (1998). *Bosei Hoken wo meguru Shidou Kyouiku Soudan 2* [Coaching, education, and counseling in maternal health, Vol. 2]. Tokyo: Life Science Co.
- Aoki, Y., Kato, N., & Hirasawa, M., (Eds.) (2003). *Josangaku Taikei 8 Josan Shindan Gijyutsu-gaku 2* [Midwifery System Vol. 8 Maternity diagnoses and techniques 2]. Tokyo: Japanese Nursing Association Publishing Co.
- Aoki, Y., Kato, N., & Hirasawa, M., (Eds.) (2002). *Josangaku Taikei 5 Boshi no Shinri Shakaigaku* [Midwifery System Vol. 5 Psychosociology for mother and child]. Tokyo: Japanese Nursing Association Publishing Co.
- Callister, L.C., Holt, S.T., & Kuhre, M. (2010). Giving Birth: The Voices of Australian Women *Journal of Perinatal & Neonatal Nursing*, (24)2, 128–136.
- Darvill, R., Skirton, H. & P. Farrand (2008). Psychological factors that impact on women's experiences of first—time motherhood: a qualitative study of the transition. *Midwifery*, 26(3), 357–366.
- Furber, C., Garrod, D., Maloney, E., Lovell, K. & L. McGowan (2009). A qualitative study of mild to moderate psychological distress during pregnancy. *International Journal of Nursing Studies*, 46(5), 669–677.
- Japan Society for Maternity Diagnoses, (Ed.). (2004). *Maternity Shindan guidebook* [Guidebook of maternity diagnoses]. Tokyo: Igakushoin.
- Kabeyama, K., (Ed.). (2006). *Rinsho Josanfu Hikkei: Seimei to Bunka wo Fumaeta Shigen* [Essentials of clinical midwifery: Caring based on life and culture, 2nd ed]. Tokyo: Igakushoin.
- Okayama National Hospital, ed. (2000). *Akachan ni Yasashii Byouin no Bonyuu Ikuji Shidou* [Breast-feeding and newborn-care teaching manuals from a baby—friendly hospital]. Tokyo: Medica Publishing Co.
- Savage, C. (2009). A proposed framework related to the care of addicted mothers. *Journal of Addictions Nursing*, 20(3), 158–160.
- Sharps, P., Laughon, K., & S. Giangrande (2007). Intimate partner violence and the childbearing year: maternal and infant health consequences. *Trauma Violence Abuse*, 8(2), 105–116.

Taketani, Y. & Kabeyama, S., (Eds). (2007). *Josangaku Kouza 6* [Midwifery Course Vol. 6]. Tokyo: Igakushoin.

Readiness for enhanced childbearing process (00208)

- Aoki, Y., (Ed.) (1998). *Bosei Hoken wo meguru Shidou Kyouiku Soudan 2* [Coaching, education, and counseling in maternal health, Vol. 2]. Tokyo: Life Science Co.
- Aoki, Y., Kato, N., & Hirasawa, M., (Eds.) (2003). *Josangaku Taikei 8 Josan Shindan Gijyutsu-gaku 2* [Midwifery System Vol. 8 Maternity diagnoses and techniques 2]. Tokyo: Japanese Nursing Association Publishing Co.
- Aoki, Y., Kato, N., & Hirasawa, M., (Eds.) (2002). *Josangaku Taikei 5 Boshi no Shinri Shakaigaku* [Midwifery System Vol. 5 Psychosociology for mother and child]. Tokyo: Japanese Nursing Association Publishing Co.
- Japan Society for Maternity Diagnoses, (Ed.) (2004). *Maternity Shindan guidebook* [Guidebook of maternity diagnoses]. Tokyo: Igakushoin.
- Kabeyama, K., (Ed.) (2006). *Rinsho Josanfu Hikkei: Seimei to Bunka wo Fumaeta Shigen* [Essentials of clinical midwifery: Caring based on life and culture, 2nd ed)]. Tokyo: Igakushoin.
- Okayama National Hospital, ed. (2000). *Akachan ni Yasashii Byouin no Bonyuu Ikuji Shidou* [Breast-feeding and newborn-care teaching manuals from a baby-friendly hospital]. Tokyo: Medica Publishing Co.
- Taketani, Y. & Kabeyama, S., (Eds.). (2007). *Josangaku Kouza 6* [Midwifery Course Vol. 6]. Tokyo: Igakushoin.

Risk for disturbed maternal-fetal dyad (00209)

- Berg, M. (2005). Pregnancy and diabetes: How women handle the challenges. *Journal of Perinatal Education*, 14(3), 23–32.
- Curran, C.A. (2003). Intrapartum emergencies. *Journal of Obstetric, Gynecologic, & Neonatal Nursing*, 32(6), 802–813.
- Higgins, L.P. & Hawkins, J.W. (2005). Screening for abuse during pregnancy: Implementing a multisite program. *American Journal of Maternal/Child Nursing*, 30(2), 109–114.
- Lange, S.S. & Jenner, M. (2004). Myocardial infarction in the obstetric patient. In: Campbell, P.T. (Ed.), *Critical care nursing clinics of North America: Obstetric and neonatal intensive care*, 16(2), 211–219.
- McCarter-Spaulling, D.E. (2005). Medications in pregnancy and lactation. *American Journal of Maternal/Child Nursing*, 30(1), 10–17.
- Poole, J.H. (2004). Multiorgan dysfunction in the perinatal patient. In: Campbell, P.T. (ed.), *Critical Care Nursing Clinics of North America: Obstetric and Neonatal Intensive Care*, 16(2), 193–204.
- Rudisill, P.T. (2004). Amniotic fluid embolism. In: Campbell, P.T. (ed.), *Critical Care Nursing Clinics of North America: Obstetric and Neonatal Intensive Care*, 16(2), 221–225.
- Shannon, M., King, T.L., & Kennedy, H.P. (2007). Allostasis: A theoretical framework for understanding and evaluating perinatal health outcomes. *Journal of Obstetric, Gynecologic, & Neonatal Nursing*, 36(2), 125–134.
- Simpson, K.R. (2004). Monitoring the preterm fetus during labor. *American Journal of Maternal/Child Nursing*, 29(6), 380–388.
- Stark, C.J. & Stepan, M.B.F. (2004). A comparison of blood pressure in term, low birth weight infants of smoking and non-smoking mothers. *Journal of Perinatal Education*, 13(4), 17–26.

- Stringer, M., Miesnik, S. R., Brown, L., Martz, A.H., & Macones, G. (2004). Nursing care of the patient with preterm premature rupture of membranes. *American Journal of Maternal/Child Nursing*, 29(3), 144–150.
- Torgersen, K.L. & Curran, C.A. (2006). A systematic approach to the physiologic adaptations of pregnancy. *Critical Care Nursing Quarterly*, 29(1), 2–19.
- Wolfe, B.E. (2005). Reproductive health in women with eating disorders. *Journal of Obstetric, Gynecologic, & Neonatal Nursing*, 34(2), 255–263.

9 Domain 9. Coping/stress tolerance

9.1 Class 1. Post-trauma responses

Risk for complicated immigration transition (00260)

- Achotegui J. Emigrar en situaciones extremas: el síndrome de Ulises. *Aloma*. 2012; 30(2):79–86
- Agudelo-Suárez A, Gil-González D, Ronda-Pérez E, et al. Discrimination, work and health in immigrant populations in Spain. *Soc Sci Med*. 2009; 68(10):1866–1874
- Ahonen EQ, Benavides FG, Benach J. Immigrant populations, work and health—a systematic literature review. *Scand J Work Environ Health*. 2007; 33(2):96–104
- Calderón-Larrañaga A, Gimeno-Feliu LA, Macipe-Costa R, Poblador-Plou B, Bordona-ba-Bosque D, Prados-Torres A. Primary care utilisation patterns among an urban immigrant population in the Spanish National Health System. *BMC Public Health*. 2011; 11:432
- Capell J, Dean E, Veenstra G. The relationship between cultural competence and ethnocentrism of health care professionals. *J Transcult Nurs*. 2008; 19(2):121–125
- Collazos F, Qureshi A, Antonin M, Tomás-Sábado J. Estrés aculturativo y salud mental en la población inmigrante. *Papeles del Psicólogo*. 2008; 29(3):307–315
- De la Revilla L, De los Rios A, Luna J, et al. Trauma post migrations living difficulties and social support as a predictor of psychological adjustment in resettled Sudanese refugees. *Aust NZ Psychiatry*. 2006; 40(2):179–188
- Garaikoetxea A. Expectativas y opiniones de los inmigrantes económicos sobre nuestro sistema de salud. Tesis (Doctorado). Universitat Autònoma Barcelona; 2007
- Lin LH, Hung CH. Vietnamese women immigrants' life adaptation, social support, and depression. *J Nurs Res*. 2007; 15(4):243–254
- Meleis AI. Pasión por producir una diferencia. Conferencia en el VII Coloquio Panamericano de Investigación en Enfermería. Sta Fé de Bogotá. En: Duran de Villalobos MM. Teoría de enfermería, ¿un camino de herradura?. Aquichan. 2007; 7(2):161–173
- O'Mahony JM, Donnelly TT. The influence of culture on immigrant women's mental health care experiences from the perspectives of health care providers. *Issues Ment Health Nurs*. 2007; 28(5):453–471
- Plaza del Pino FJ, Plaza del Pino MD, Martinez Galvez L. Historia de un extranjero: vivencias de un inmigrante rifeño sin papeles. *Index Enferm (Gran)*. 2006; 55:59–62
- Ral A, Silverman JG, Mc Cleary-Sills J, Liu R. Immigrations policies increase south Asian immigrant women's vulnerability to intimate partner violence. *J Am Med Womens Assoc*. 2005; 60(1):26–32
- Rifà R. Diagnósticos de enfermería vinculados al proceso migratorio. Revisión de la literatura científica. *Rev ROL Enf*. 2012; 35(3):94–99
- Rifà R. Diagnósticos de enfermería vinculados al proceso migratorio: visión de los inmigrantes. Tesis (Doctorado). Universitat Rovira i Virgili; 2012. Available from http://www.tdx.cat/bitstream/handle/10803/84141/Tesi%20Rosa%20Rifa_TDX.pdf?sequence=1
- Rifà R, Costa LI, Olivé C, Pallarès A, Pérez I, Vila G. Proyecto de mejora de la atención a la población inmigrante en la atención primaria de salud en Cataluña. *Cultura De Los Cuidados*. 2006; 20:92–98.

- Rifà R, Pallarés A, Olivé C, Vila C, Lamoglia M, Pérez I. Percepción de los profesionales de enfermería sobre la aplicación de los diagnósticos NANDA al proceso migratorio. *Rev Paraninfo Digital* 2009;7
- Simich L, Hamilton H, Baya BK. Mental distress, economic hardship and expectations of life in Canada among Sudanese newcomers. *Transcult Psychiatry*. 2006; 43(3): 418–444
- Tomba E, Scott-Marshall H, Dolinschi R, Trevithick S, Bhattacharyya S. Precarious employment experiences and their health consequences: towards a theoretical framework. *Work*. 2007; 28(3):209–224
- Wiking E, Johansson SE, Sundquist J. Ethnicity, acculturation, and self reported health. A population based study among immigrants from Poland, Turkey, and Iran in Sweden. *J Epidemiol Community Health*. 2004; 58(7):574–582

Post-trauma syndrome (00141)

None at this time.

Risk for post-trauma syndrome (00145)

None at this time.

Rape-trauma syndrome (00142)

None at this time.

Relocation stress syndrome (00114)

- Johnson, R. A. (1996). The meaning of relocation among elderly religious sisters. *Western Journal of Nursing Research*, 18(2), 172–185.
- Knoop, M. (2008). Is relocation stress a syndrome?. *Journal of psychosocial nursing and mental health services*, 46(1), 13–13.
- Mallick, M. J., & Whipple, T. W. (2000). Validity of the nursing diagnosis of relocation stress syndrome. *Nursing Research*, 49(2), 97–100.
- Manion, P. S., & Rantz, M. J. (1995). Relocation stress syndrome: a comprehensive plan for long-term care admissions: the relocation stress syndrome diagnosis helps nurses identify patients at risk. *Geriatric nursing*, 16(3), 108–112.
- McKinney, A. A., & Melby, V. (2002). Relocation stress in critical care: a review of the literature. *Journal of clinical nursing*, 11(2), 149–157.
- Park, J. H., Yoo, M. S., Son, Y. J., & Bae, S. H. (2010). Factors influencing relocation stress syndrome in patients following transfer from intensive care units. *Journal of Korean Academy of Nursing*, 40(3), 307–316.
- Porock, D., Martin, K., Oldham, L., & Underwood, R. (1997). Relocation stress syndrome: the case of palliative care patients. *Palliative medicine*, 11(6), 444–450.
- Robinson, V. (2002). A brief literature review of the effects of relocation on the elderly. Prepared for: The hospital employees' union of British Columbia.
- Salmond, S. W., Evans, B., Hamdi, H. A., & Saimbert, M. K. (2011). A systematic review of relocation stress following in-house transfer out of critical/intensive care units. *JBIC Evidence Synthesis*, 9(61), 2684–2777.
- Scerri, R. (2005). Relocation stress syndrome in the elderly (Bachelor's thesis, University of Malta).

- Son, Y. J. (2008). Development of Relocation Stress Syndrome (RSS) Scale for Patients Transferred from Intensive Care Unit to General Ward. *Journal of Korean Clinical Nursing Research*, 14(1), 139–150.
- Son, Y. J., Hong, S. K., & Jun, E. Y. (2008). Concept analysis of relocation stress-Focusing on patients transferred from intensive care unit to general ward. *Journal of Korean Academy of Nursing*, 38(3), 353–362.
- Walker, C., Curry, L. C., & Hogstel, M. O. (2007). Relocation stress syndrome in older adults transitioning from home to a long-term care facility: myth or reality?. *Journal of psychosocial nursing and mental health services*, 45(1), 38–45.
- Williams, A. L. (2013). On the environmental factors that alleviate relocation stress syndrome in residents of long-term care facilities.

Risk for relocation stress syndrome (00149)

None at this time.

9.2 Class 2. Coping responses

Ineffective activity planning (00199)

- American Psychiatric Association (2004). *Mini DSM IV-TR*. Masson: Paris.
- Auger, L. (2006). *Vivre avec sa tête ou avec son cœur*. Quebec Centre la Pensée Réaliste, republication par Pierre Bovo.
- Auger, L. (2001). *Savoir vivre*. Québec: Les éditions Un monde différent ltée.
- Auger, L. (1992). *Prendre soin de soi, guide pratique de micro-thérapie*. Montréal: CIM.
- Auger, L. (1980). *S'aider soi-même d'avantage*. Québec: Les Éditions De l'Homme.
- Barth, B-M. (1985). Jérôme Bruner et l'innovation pédagogique. *Communication et Langages*, 66, 45–58.
- Beck, A.T., et al. (1979). *Cognitive therapy of depression*. New York: Guilford Press.
- Corbière, M., Laisné, F., & Mercier, C. (2001). *Élaboration du questionnaire: obstacles à l'insertion au travail et sentiment d'efficacité pour les surmonter*. Manuscrit inédit, Centre de recherche Femand-Seguin, Unité 218, Hôpital Louis-H. Montréal: Lafontaine.
- Debray, Q., Kindynis, S., Leclère, M., & Seigneurie, A. (2005). *Protocoles de traitement des personnalités pathologiques, Approche cognitivo-comportementale*: Paris: Masson.
- Ellis, A. (1962). *Reason and emotion in psychotherapy*. New York: Secausus, Lyle Stuart.
- Ellis, A. & Harper, R. (1992). *L'approche émotivo-rationnelle, Une nouvelle façon de vivre*. Québec: Les Éditions De l'Homme.
- Filion, F. (1989). *J'améliore mes plans d'action*. Québec: CAER Ed.
- Greenberg, D. & Padesky, C. (2004). *Détresse et anxiété: comprendre et surmonter par l'approche cognitive*. Québec: Décarie Éditeur.
- Ladouceur, R., Marchand, A., & Boivert, J-M. (1999). *Les troubles anxieux, Approche cognitive et comportementale*. Gaétan Morin & Paris: Masson.
- Lalonde, P., Aubut, J., & Grunberg, F., eds (2001). *Psychiatrie clinique, Une approche bio-psyco-sociale*. Québec: Tome II. Lecomte, T. & Leclerc, C. (2004). *Manuel de réadaptation psychiatrique*. Québec: Presses de l'Université du Québec.
- Monastès, J.L. & Boyer, C. (2006). *Les thérapies comportementales et cognitives, Se libérer des troubles psy*. Milan: Les Essentiels Milan.

- Morin, C., Briand, C., & Lalonde, P. (1999). De la symptomatologie à la résolution de problèmes: approche intégrée pour les personnes atteintes de schizophrénie. In: Santé Mentale au Québec, Dossier Schizophrénie, délires et thérapie cognitive, Vol XXIV, No 1, p. 277.
- Riberio, K.L. (1999). The labyrinth of community mental health: In search of meaningful occupation. *Psychiatric Rehabilitation Journal*, 23(2), 143–153.
- Seyle, H. (1959). *The stress of life*. New York: McGraw-Hill.
- Townsend, M.C. (2004). Soins infirmiers. Psychiatrie et santé mentale. Québec: ERPI.
- Wilson, R., & Branch, R. (2004). *Les thérapies comportementales et cognitives pour les nuls*. Paris: First.

Risk for ineffective activity planning (00226)

- American Psychiatric Association (2004). *Mini DSM IV-TR*. Masson: Paris.
- Auger, L. (2006). *Vivre avec sa tête ou avec son cœur*. Québec Centre la Pensée Réaliste, republication par Pierre Bovo.
- Auger, L. (2001). *Savoir vivre*. Québec: Les éditions Un monde différent ltée.
- Auger, L. (1992). *Prendre soin de soi, guide pratique de micro-thérapie*. Montréal: CIM.
- Auger, L. (1980). *S'aider soi-même d'avantage*. Québec: Les Éditions De l'Homme.
- Barth, B-M. (1985). Jérôme Bruner et l'innovation pédagogique. *Communication et Langages*, 66, 45–58.
- Beck, A.T., et al. (1979). *Cognitive therapy of depression*. New York: Guilford Press.
- Corbière, M., Laisné, F., & Mercier, C. (2001). *Élaboration du questionnaire: obstacles à l'insertion au travail et sentiment d'efficacité pour les surmonter*. Manuscrit inédit, Centre de recherche Femand-Seguin, Unité 218, Hôpital Louis-H. Montréal: Lafontaine.
- Debray, Q., Kindynis, S., Leclère, M., & Seigneurie, A. (2005). *Protocoles de traitement des personnalités pathologiques, Approche cognitivo-comportementale*. Paris: Masson.
- Ellis, A. (1962). *Reason and emotion in psychotherapy*. New York: Secausus, Lyle Stuart.
- Ellis, A. & Harper, R. (1992). *L'approche émotivo-rationnelle, Une nouvelle façon de vivre*. Québec: Les Éditions De l'Homme.
- Filion, F. (1989). *J'améliore mes plans d'action*. Québec: CAER Ed.
- Greenberg, D. & Padesky, C. (2004). *Détresse et anxiété: comprendre et surmonter par l'approche cognitive*. Québec: Décarie Éditeur.
- Ladouceur, R., Marchand, A., & Boivert, J-M. (1999). *Les troubles anxieux, Approche cognitive et comportementale*. Gaétan Morin & Paris: Masson.
- Lalonde, P., Aubut, J., & Grunberg, F., eds (2001). *Psychiatrie clinique, Une approche bio-psyco-sociale*. Québec: Tome II. Lecomte, T. & Leclerc, C. (2004). *Manuel de réadaptation psychiatrique*. Québec: Presses de l'Université du Québec.
- Monastès, J.L. & Boyer, C. (2006). *Les thérapies comportementales et cognitives, Se libérer des troubles psy*. Milan: Les Essentiels Milan.
- Morin, C., Briand, C., & Lalonde, P. (1999). De la symptomatologie à la résolution de problèmes: approche intégrée pour les personnes atteintes de schizophrénie. In: Santé Mentale au Québec, Dossier Schizophrénie, délires et thérapie cognitive, Vol XXIV, No 1, p. 277.
- Riberio, K.L. (1999). The labyrinth of community mental health: In search of meaningful occupation. *Psychiatric Rehabilitation Journal*, 23(2), 143–153.
- Seyle, H. (1959). *The stress of life*. New York: McGraw-Hill.

Townsend, M.C. (2004). Soins infirmiers. Psychiatrie et santé mentale. Quebec: ERPI.

Wilson, R., & Branch, R. (2004). Les thérapies comportementales et cognitives pour les nuls. Paris: First.

Anxiety (00146)

- Ahmadi, M., et al. Efficacy of a written prayer technique on the anxiety of mothers of children with cancer. *Palliat Support Care*. 2019 Feb;17(1):54–59.
- Aktürk, U.; Erci, B. The Effect of Watson's Care Model on Anxiety, Depression, and Stress in Turkish Women. *Nursing Science Quarterly* 2019, Vol. 32(2) 127–134.
- Alexandre, H.O.; Galvão, M.T.G.; Cunha, G.H. Calidad de vida y diagnósticos de enfermería de mujeres con AIDS. *Enferm. glob.*, Murcia, v. 16, n. 48, p. 121–150, 2017.
- Alimohammad, H.S., et al. Effect of hand and foot surface stroke massage on anxiety and vital signs in patients with acute coronary syndrome: A randomized clinical trial. *Complementary Therapies in Clinical Practice* 31 (2018) 126e131.
- Apor, E., et al. Prechemotherapy Education: Reducing patient anxiety through nurse-led teaching sessions. *Oncol. Nurs. Forum*. 2018 Jan 1;45(1):E14–E32.
- Bay, J.E.; Algase, D.L. Fear and Anxiety: A Simultaneous Concept Analysis. *Nursing Diagnosis*, v. 10, n. 3, July–September, 1999.
- Beizae, Y., et al. The effect of guided imagery on anxiety, depression and vital signs in patients on hemodialysis. *Complement Ther Clin Pract*. 2018 Nov;33:184–190.
- Bergamasco, H.C., et al. Diagnósticos de Medo e Ansiedade: validação de conteúdo para o paciente queimado. *Ver. Bras. Enferm.*, 2004 mar/abr;57(2):170–7.
- Betegón, A.A., et al. A Program Aimed at Reducing Anxiety in Pregnant Women Diagnosed With a Small-for-Gestational-Age Fetus. *J Perinat Neonatal Nurs*. 2017 Jul/Sep;31(3):225–235.
- Bezerra, A.C., et al. Diagnósticos de enfermagem dos domínios autopercepção e enfrentamento/tolerância ao estresse relacionados à infertilidade feminina. *Rev. Eletr. Enf. [Internet]*. 2016;18:e1177.
- Burrai, F., et al. Hatle, H., et al. Effects of Listening to Live Singing in Patients Undergoing Hemodialysis: A Randomized Controlled Crossover Study. *Biol Res Nurs*. 2019 Jan;21(1):30–38.
- Calegari, D.P., et al. Diagnósticos de enfermagem em pacientes hipertensos acompanhados em ambulatório multiprofissional. *Rev Enferm UFSM* 2012 Set/Dez;2(3):610–618.
- Cavalcanti, A.C.D., et al. Estudio de observación de validación clínica del diagnóstico de enfermería ansiedad en pacientes con insuficiencia cardiaca crónica. *Enferm. glob. [online]*. 2013, vol.12, n.30, pp.28–40.
- Chiang, V.C.L., et al. Fulfilling the psychological and information need of the Family members of critically ill patients using interactive mobile technology: A randomised controlled trial. *Intensive Crit Care Nurs*. 2017 Aug;41:77–83.
- Chueh, K.; Chang, C.; Yeh, M. Effects of Auricular Acupressure on Sleep Quality, Anxiety, and Depressed Mood in RN-BSN Students With Sleep Disturbance. *J Nurs Res*; 26(1): 10–17, 2018 Feb.
- Costa, T.M.N.; Sampaio, C.E.P. As orientações de enfermagem e sua influência nos níveis de ansiedade dos pacientes cirúrgicos hospitalares. *Rev enferm UERJ*, Rio de Janeiro, 2015 mar/abr; 23(2):260–5.
- Domingos, T.S.; Braga, E.M. Massagem com aromaterapia: efetividade sobre a ansiedade de usuários com transtornos de personalidade em internação psiquiátrica. *Rev Esc Enferm USP* · 2015; 49(3):453–459.

- Felix, M.M.S., et al. Guided imagery relaxation therapy on preoperative anxiety: a randomized clinical trial. *Rev. Latino-Am. Enfermagem*. 2018;26:e3101.
- Franzen, E., et al. Consulta de enfermagem ambulatorial e diagnósticos de enfermagem relacionados a características demográficas e clínicas. *Rev Gaúcha Enferm*. 2012;33(3):42–51.
- Frauenfelder, F.; Achterberg, T.; Staub, M.M. Nursing diagnoses related to psychiatric adult inpatient care. *J Clin Nurs*. 2018;27:e463–e475.
- Gelogahi, K., et al. Effectiveness of Nurse's Intentional Presence as a Holistic Modality on Depression, Anxiety, and Stress of Cardiac Surgery Patients. *Holist Nurs Pract*. 2018 Nov/Dec;32(6):296–306.
- Gong, D., et al. The effect of nursing intervention on preoperative cataract. *Medicine*. 2018 Oct;97(42):e12749.
- González-Rodríguez, R.; Martelo-Baro, M.A.; Bas-Sarmiento, P. Diagnostic labels of NANDA-I in a southern region of Spain. *Rev. Latino-Am. Enfermagem*. 2017;25:e2911.
- Hashemi, N.; Faghil, A. Effects of blended aromatherapy using lavender and damask rose oils on the hemodynamic status of nursing students. *Electron J Gen Med* 2018;15(4):em40.
- Howland, L.C., et al. Feasibility of a Relaxation Guided Imagery Intervention to Reduce Maternal Stress in the NICU. *J Obstet Gynecol Neonatal Nurs*. 2017;46(4):532–543.
- Karadag, E.; Baglama, S.S. The Effect of Aromatherapy on Fatigue and Anxiety in Patients Undergoing Hemodialysis Treatment: A Randomized Controlled Study. *Holistic Nursing Practice*: July/August 2019;33(4):222–229.
- Karanikola, M.N.K., et al. Anxiety symptoms and quality of interaction among oncology nurses: a correlational, cross-sectional study. *Rev Esc Enferm USP*. 2016;50(5):800–807.
- Kaur, M., et al. Effectiveness of an Interventional Package on the Level of Anxiety, Depression, and Fatigue among Patients with Cervical Cancer. *Asia Pac. J. Oncol Nurs* 2018;5:195–200.
- Kurebayashi, L.F.S., et al. Auriculotherapy to reduce anxiety and pain in nursing professionals: a randomized clinical trial. *Rev. Latino-Am. Enfermagem*. 2017;25:e2843.
- Mafetoni, R.R., et al. Effectiveness of auriculotherapy on anxiety during labor: a randomized clinical trial. *Rev. Latino-Am. Enfermagem*. 2018;26:e3030.
- Malek, M., et al. Effects of Nurse-Led Intervention on Patients' Anxiety and Sleep Before Coronary Artery Bypass Grafting. *Critical Care Nursing Quarterly*. 41(2):161–169, APR 2018
- Medeiros, A.L., et al. Avaliando diagnósticos e intervenções de enfermagem no trabalho de parto e na gestação de risco. *Rev Gaúcha Enferm*. 2016 set;37(3):e55316.
- Medina-Garzón, M. Effectiveness of a Nursing Intervention to Diminish Preoperative Anxiety in Patients Programmed for Knee Replacement Surgery: Preventive Controlled and Randomized Clinical Trial. *Invest Educ Enferm*. 2019; 37(2): e07.
- Oliveira, N., et al. Validation of Anxiety by Brazilian Nurses. *International Journal of Nursing Terminologies and Classifications*, v. 19, n. 3, Jul.-Sep., 2008.
- Ozturk, R., et al. The effects of reflexology on anxiety and pain in patients after abdominal hysterectomy: A randomised controlled trial. *Complementary Therapies in Medicine*.v.36: 107–12, Feb. 2018.
- Pereira, J.M.V., et al. Diagnósticos de enfermagem de pacientes hospitalizados com doenças cardiovasculares. *Esc Anna Nery (impr.)*2011 out-dez; 15 (4):737–745.

- Piadehkouhsar, M., et al. The Effect of Orientation Program based on Activities of Daily Living on Depression, Anxiety, and Stress in the Elderly. *IJCBNM*. 2019;7(3):170–180.
- Saatsaz, S., et al. Massage as adjuvant therapy in the management of post-cesareanpain and anxiety: A randomized clinical trial. *Complementary Therapies in Clinical Practice* 24 (2016) 92e98
- Sahiner, N.C.; Turkmen, A.S. The Effect of Distraction Cards on Reducing Pain and Anxiety During Intramuscular Injection in Children. *Worldviews on Evidence-Based Nursing*, 2019; 16:3, 230–235.
- Sampaio, F.M.C., et al. A randomized controlled trial of a nursing psychotherapeutic intervention for anxiety on adult psychiatric outpatients. *J Adv Nurs*. 2018;74:1114–1126.
- Şentürk, A.; Tekinsoy Kartin, P. The Effect of Lavender Oil Application via Inhalation Pathway on Hemodialysis Patients' Anxiety Level and Sleep Quality. *Holist Nurs Pract*. 2018 Nov/Dec;32(6):324–335.
- Shaheen, A., et al. The effectiveness of age-appropriate pre-operative information session on the anxiety level of school-age children undergoing elective surgery in Jordan. *IntJ Nurs Pract*. 2018;24:e12634.
- Shen, Z., et al. Effect of peer support on health outcomes in patients with cardiac pacemaker implantation: A randomized, controlled trial. *Nurs Health Sci*. 2019;21:269–277.
- Stamm, B. et al. Intervenção telefônica para manejo da ansiedade de pacientes oncológicos: ensaio clínico randomizado. *Acta Paul Enferm*. 2018;31(2):137–43.
- Suriano, M.L.F., et al. Consensual Validation of the Nursing Diagnoses Fear and Anxiety Identified at the Immediate Preoperative Period in Patients Undergoing Elective Surgery. *International Journal of Nursing Terminologies and Classifications*, v. 22, n. 3, Jul.-Sep., 2011.
- Ubaldo, I., et al. Diagnósticos de enfermagem da NANDA Internacional em pacientes internados em unidade de clínica médica. *Rev Rene*. 2017 jan-fev; 18(1):68–75.
- Vasconcelos, A.C., et al. Frequência de diagnósticos de enfermagem em uma clínica cirúrgica. *Ver. RENE*, 2015 nov-dez; 16(6):826–32.
- Vélez, R.A.A. El efecto de algunos factores sociodemográficos y psicosociales en los síntomas de ansiedad que presenta una muestra de personas con diabetes mellitus tipo 2 en una comunidad del área Oeste de Puerto Rico. *Rev Cuid*. 2018; 9(3): 2379–86.
- Young, L. K., et al. Validation of the Nursing Diagnosis Anxiety in Adult Patients Undergoing Bone Marrow Transplant. *International Journal of Nursing Terminologies and Classifications*, v. 13, n. 3, July-September, 2002.

Defensive coping (00071)

- Balder, L. & Denour, A.K. (1984). Couples' reactions and adjustment to mastectomy. *International Journal of Psychiatry in Medicine*, 14(3), 265–276.
- Bartek S.E., Krebs D.L., & Taylor, M.C. (1993). Coping, defending, and the relations between moral judgment and moral behavior in prostitutes and other female juvenile delinquents. *Journal of Abnormal Psychology*, 102(1), 66–73.
- Bean, G., Cooper, S., Alpert, R., & Kipnis, D. (1980). Coping mechanisms of cancer patients: a study of 33 patients receiving chemotherapy. *CA: A Cancer Journal For Clinicians*, 30(5), 257–259.

- Brown J.D. & Dutton, K.A. (1995). The thrill of victory, the complexity of defeat: self-esteem and people's emotional reactions to success and failure. *Journal of Personality and Social Psychology*, 68(4), 712–722.
- Cassileth, B.R., Lusk, E.J., Strouse, T.B., Miller, D.S., Brown, L.L., & Cross, P.A. (1985). Psychological analysis of cancer patients and their next of kin. *Cancer*, 55(1), 72–76.
- Coelho, G.V., Hamburg, D.A. & Adams, J.E. (1974). *Coping and Adaptation*. New York: Basic Books.
- Coopersmith, S. (1967). *Antecedents of self-esteem*. San Francisco, CA: Freeman, Cooper.
- Creswell C. & Chalder, T. (2001). Defensive coping styles in chronic fatigue syndrome. *Journal Of Psychosomatic Research*, 51(4), 607–610.
- Cysouw-Guitouni, A. (2001). L'avenir et la sauvegarde des valeurs. *Psychologie Préventive*, 37, 18–23.
- Dalle Grave, R., Calugi, S., Molinari E., et al. (2005). Weight loss expectations in obese patients and treatment attrition: an observational multicenter study. *Obesity Research*, 13(11), 1961–1969.
- George, J.M., Scott, D.S., Turner, S.P., & Gregg, J.M. (1980). The effects of psychological factors of physical trauma on recovery from oral surgery. *Journal of Behavioral Medicine*, 3(3), 291–310.
- Guitouni, M. (2002). Le choix d'une génération: démissionner ou résister. *Psychologie Préventive*, 38, 25–29.
- Jaramillo-Vélez D.E., Ospina-Muñoz D.E., Cabarcas-Iglesias G., & Humphreys, J. (2005). Resiliencia, espiritualidad, aflicción y tácticas de resolución de conflictos en mujeres Maltratadas. [Resilience, spirituality, distress and tactics for battered women's conflict resolution]. *Revista de Salud Pública*, 7(3), 281–292.
- Kools S. (1999). Self-protection in adolescents in foster care. *Journal Of Child And Adolescent Psychiatric Nursing: Official Publication Of The Association Of Child And Adolescent Psychiatric Nurses, Inc.*, 12(4), 139–152.
- Lazarus, R.S. (1966). *Psychological stress and the coping process*. New York: McGraw-Hill.
- Lindstrom, T.C. (1989). Defence mechanisms and some notes on their relevance for the caring professions. *Scandinavian Journal of Caring Sciences*, 3(3), 99–104.
- McFarland, G.K. & McFarlane, E.A. (1995). *Traité de diagnostic infirmier (adaptation of S. Truchon & D. Fleury)*. St-Laurent: ERPI. Meredith P.J., Strong J., & Feeney, J.A. (2006) The relationship of adult attachment to emotion, catastrophizing, control, threshold and tolerance, in experimentally-induced pain. *Pain*, 120(1–2), 44–52.
- Morris, C.A. (1985). Self-concept as altered by the diagnosis of cancer. *Nursing Clinics of North America*, 20(4), 611–30.
- Noy, S. (2004). Minimizing casualties in biological and chemical threats (war and terrorism): the importance of information to the public in a prevention program. *Pre-hospital And Disaster Medicine*, 19(1), 29–36.
- Perez-Sales, P. & Vazquez Valverde, C. (2003). [Support psychotherapy in traumatic situations]. *Revista de Enfermería*, 26(12), 44–52.
- Taubes, I. (2002). Tout commence par une confiance primitive dans la vie: entretien avec Boris Cyulnik. *Psychologies*, March, 90–94.
- Taubes, I. (2005). Je fuis les responsabilités. *Psychologies*, March, 88–89.
- Tod, A.M. & Lacey, A. (2004). Overweight and obesity: helping clients to take action. *British Journal of Community Nursing*, 9(2), 59–66.

Tromp, D.M., Brouha, X.D., De Leeuw, J.R., Hordijk, G.J., & Winnubst, J.A (2004). Psychological factors and patient delay in patients with head and neck cancer. *European Journal of Cancer*, 40(10), 1509–1516.

Worder, J.W. & Sobel, J. (1978). Ego strength and psychosocial adaptation to cancer. *Psychosomatic Medicine*, 40(8), 585–92. Yehuda, R., McFarlane, A.C., & Shalev, A. Y. (1998). Predicting the development of posttraumatic stress disorder from the acute response to a traumatic event. *Biological Psychiatry*, 44(2), 1305–1313.

Ineffective coping (00069)

None at this time.

Readiness for enhanced coping (00158)

None at this time.

Ineffective community coping (00077)

None at this time.

Readiness for enhanced community coping (00076)

None at this time.

Compromised family coping (00074)

None at this time.

Disabled family coping (00073)

None at this time.

Readiness for enhanced family coping (00075)

None at this time.

Death anxiety (00147)

Claudia Angélica Mainenti Ferreira Mercês, Jaqueline da Silva Soares Souto, Kênia Rocha Leite Zaccaro, Jackeline Felix de Souza, Cândida Caniçali Primo, and Marcos Antônio Gomes Brandão. The impact of depression and sense of coherence on emotional and social loneliness among nursing home residents without cognitive impairment - a questionnaire survey. *Int J Nurs Knowl*. 20 September 2019. doi:10.1111/2047-3095.12260

Dadfar, M., & Lester, D. (2017). Cronbach's α reliability, concurrent validity, and factorial structure of the Death Depression Scale in an Iranian hospital staff sample. *International journal of nursing sciences*, 4(2), 135–141

Ineffective denial (00072)

Bartle, S.H. (1980). Denial of cardiac warnings. *Psychosomatics*, 12(1), 74–7.

Bennet, D.H. & Holmes, D.S. (1975). Influence of denial (situation redefinition) and projection on anxiety associated with threat to self-esteem. *Journal of Personality and Social Psychology*, 32(5), 915–21.

Byrne, B (2000). Relationships between anxiety, fear, self-esteem, and coping strategies in adolescence. *Adolescence*, 35(137), 201–15.

- Davey, G.C., Burgess, I. & Rashes, R. (1995). Coping strategies and phobias: the relationship between fears, phobias and methods of coping with stressors. *British Journal of Clinical Psychology*, 34(Pt 3), 423–34.
- Fryer, S., Waller, G., & Kroese, B.S (1997). Stress, coping, and disturbed eating attitudes in teenage girls. *International Journal of Eating Disorders*, 22(4), 427–436.
- Gammon, J. (1998). Analysis of the stressful effects of hospitalisation and source isolation coping and psychological constructs. *International Journal of Nursing Practice*, 4(2), 84–96.
- Gottschalk, L.A., Fronczek, J., Abel, L., Buchsbaum, M.S., & Fallon, J.H. (2001). The cerebral neurobiology of anxiety, anxiety displacement, and anxiety denial. *Psychotherapy and Psychosomatics*, 70(1), 17–24.
- Greenberg, J., Solomon, S., Pyszczynski, T., et al. (1992). Why do people need self-esteem? Converging evidence that self-esteem serves an anxiety-buffering function. *Journal of Personality and Social Psychology*, 63(6), 913–922.
- Heilbrun, A.B. & Pepe, V. (1985). Awareness of cognitive defences and stress management. *British Journal of Medical Psychology*, 58(Pt 1), 9–17.
- Hobfoll, S.E. & Walfisch, S. (1984). Coping with a threat to life: a longitudinal study of self-concept, social support, and psychological distress. *American Journal of Community Psychology*, 12(1), 87–100.
- Hovey, J.D. & Magana, C.G. (2002). Exploring the mental health of Mexican migrant farm workers in Midwest: psychosocial predictors of psychological distress and suggestions for prevention and treatment. *Journal of Psychology*, 136(5), 493–513.
- Kennedy, P., Duff, J., Evans, M., & Beedie, A. (2003). Coping effectiveness training reduces depression and anxiety following traumatic spinal cord injuries. *British Journal of Clinical Psychology*, 42(pt 1), 41–52.
- Kollbrunner, J., Zbaren, P., & Quack, K. (2001). Quality of life stress in patients with large tumors of the mouth. Dealing with the illness: coping, anxiety and depressive symptoms. *HNO*, 49(12), 998–1007.
- Leserman, J., Perkins, D.O., & Evans, D.L. (1992). Coping with the threat of AIDS: the role of social support. *American Journal of Psychiatry*, 149(11), 1514–1520.
- Mogg, K., Mathews, A., Bird, C., & Macgregor-Morris, R. (1990). Effects of stress and anxiety on the processing of threat stimuli. *Journal of Personality and Social Psychology*, 59(6), 1230–1237.
- Monat, A. & Lazarus, R.S. (1991). *Stress and Coping: An anthology* (3rd ed.). New York: Columbia University Press.
- Muller, L. & Spitz, E. (2003). [Multidimensional assessment of coping: validation of the Brief COPE among French population]. *Encephale*, 29(6), 507–518.
- Sandstrom, M.J. & Cramer, P. (2003). Defense mechanisms and psychological adjustment in childhood. *Journal of Nervous and Mental Disease*, 191(8), 487–495.
- Schimmel, J., Greenberg, J., & Martens, A. (2003). Evidence that projection of a feared trait can serve a defensive function. *Personality and social psychology bulletin*, 29(8), 969–979.
- Skinner, N. & Brewer, N. (2002). The dynamics of threat and challenge appraisals prior to stressful achievement events. *Journal of Personality and Social Psychology*, 83(3), 678–92.
- Westman, A.S. (1992). Existential anxiety as related to conceptualization of self and of death, denial of death, and religiosity. *Psychological Reports*, 71(3 Pt 2), 1064–1066.

Fear (00148)

- Beauvais, A.; Beauvais, J.E. Reducing the Fear of Falling Through a Community Evidence-Based Intervention. *Home Healthcare Nurse*, Feb2014; 32(2): 98–105.
- Day, H. L. L., & Stevenson, C. W. (2019). The neurobiological basis of sex differences in learned fear and its inhibition. *European Journal of Neuroscience*. doi:10.1111/ejn.14602
- E J Bay, D L Algase. Fear and Anxiety: A Simultaneous Concept Analysis. *Nurs Diagn*. 1999;10(3):103–11.
- Eunmi, O.H., et al. Fear of falling and its predictors among community-living older adults in Korea, *Aging & Mental Health*, 21:4, 2017, 369–378,
- Garcia, A.C.M., et al. O efeito da escuta terapêutica na ansiedade e medos de pacientes cirúrgicos: ensaio clínico aleatorizado. *Rev Lat Am Enfermagem*. v. 26, n. 9, Aug. 2018, p. e3027.
- Glowacka M. et al. Prevalence and predictors of genito-pelvic pain in pregnancy and postpartum: the prospective impact of fear avoidance. *J Sex Med*. v. 11, n. 12, Dec. 2014, p. 3021–34.
- Gökçe Isbir, G., et al. The effects of antenatal education on fear of childbirth, maternal self-efficacy and post-traumatic stress disorder (PTSD) symptoms following childbirth: an experimental study. v. 32, Nov. 2016, p. 227–32.
- Hanprasertpong, J. et al. Fear of cancer recurrence and its predictors among cervical cancer survivors. *J Gynecol Oncol*. 2017 Nov;28(6):e72.
- Hatle, H., et al. Fear of hypoglycaemia and its relation to hypoglycaemia awareness and symptom intensity in Type 1 diabetes. *Diabetes Res Clin Pract*. v. 137, Mar. 2018, p. 213–20.
- Hildingsson, I. et al. Caseload midwifery for women with fear of birth is a feasible option. *Sex Reprod Healthc*. v. 16, Jun. 2018, p. 50–55.
- Hildingsson, I. et al. Women with fear of childbirth might benefit from having a known midwife during labour. v. 32, n. 1, Feb. 2019, p. 58–62.
- Hoang, O.T., et al. Factors related to fear of falling among community-dwelling older adults. *J Clin Nurs*. v. 26, n. 1, Jan. 2017, p. 68–76.
- Hsieh, Y.C. Effectiveness of Cognitive-behavioral Program on Pain and Fear in School-aged Children Undergoing Intravenous Placement. *Asian Nurs Res*. v. 11, n. 4, Dec. 2017, p. 261–7.
- Huang, T.T., et al. Evaluation of a combined cognitive-behavioural and exercise intervention to manage fear of falling among elderly residents in nursing homes. *Aging & Mental Health*, 2016, Vol. 20, No. 1, 2–12.
- Jeon, M.; GU, M.O.; YIM, J. Comparison of Walking, Muscle Strength, Balance, and Fear of Falling Between Repeated Fall Group, One-time Fall Group, and Nonfall Group of the Elderly Receiving Home Care Service. *Asian Nurs Res*. v. 11, n. 4, Dec. 2017, p. 290–6.
- Justina, L.Y.W.; MAN, T.H. A randomized trial comparing Tai Chi with and without cognitive-behavioral intervention (CBI) to reduce fear of falling in community-dwelling elderly people. *Arch Gerontol Geriatr*. 2014 Sep-Oct;59(2):317–25.
- Khwepeya, M., et al. Childbirth fear and related factors among pregnant and postpartum women in Malawi. *BMC Pregnancy Childbirth*. v. 18, n. 1, Oct. 2018, p. 1–10.
- Kizilirmak, A.; BAŞER, M. The effect of education given to primigravida women on fear of childbirth. *Appl Nurs Res*. 2016 Feb;29:19–24.

- Kovic, M. et al. Relationship between fear of falling and functional status in nursing home residents aged older than 65 years. *Geriatr Gerontol Int.* v. 17, n. 10, Oct. 2017, p. 1470–6.
- Kyriacou, J., et al. Fear of cancer recurrence: A study of the experience of survivors of ovarian cancer. *Canadian Oncology Nursing Journal*, Summer 2017; 27(3): 236–250. 15p.
- Lavedan, A., et al. Fear of falling in community-dwelling older adults: A cause of falls, a consequence, or both? *PLoS ONE* 13(3):e0194967.
- Lotzke, H., et al. Patients with severe low back pain exhibit a low level of physical activity before lumbar fusion surgery: a cross-sectional study. *BMC Musculoskeletal Disord.* v. 19, n. 1, Oct. 2018, p. 1–9.
- Mikkola, R.; Huhtala, H.; Paavilainen, E. Work-related fear and the threats of fear among emergency department nursing staff and physicians in Finland. *Journal of Clinical Nursing*, 26, Oct. 2017, p. 2953–2963.
- Molazem, Z., et al. Effects of a peerled group education on fear, anxiety and depression levels of patients undergoing coronary angiography. *Invest. Educ. Enferm.* 2018; 36 (1):e13.
- Morse, J. et al. Awaiting Diagnosis of Breast Cancer: Strategies of Enduring for Preserving Self. *Oncol. Nurs. Forum.* v. 41, n. 4, Jul. 2014, p. 350–9.
- Silva, A.L., et al. Ser mulher com cardiopatia e desenvolver lesão por pressão na internação hospitalar: sentido do temor. *Rev enferm UERJ*, Rio de Janeiro, 2017; 25: e14509.
- Striebich, S.; Mattern, E.; Ayerle, G.M. Support for pregnant women identified with fear of childbirth (FOC)/tokophobia—A systematic review of approaches and interventions. *Midwifery.* 2018 Jun;61:97–115.
- Teksoz, E., et al. The Impact of a Nursing Coping Kit and a Nursing Coping Bouncy Castle on the Medical Fear Levels of Uzbek Refugee Children. *Journal of Pediatric Nursing*, Mar 2018; 39 68–73. 6p.
- Toohill, J. et al. A Randomized Controlled Trial of a Psycho-Education Intervention by Midwives in Reducing Childbirth Fear in Pregnant Women. *Birth.* v. 41, n. 4, Dec. 2014, p. 384–94.
- Toohill, J. et al. Trauma and fear in Australian midwives. *Women Birth.* v. 32, n.1, Feb., 2019, p. 64–71.
- Trost, Z., et al. Initial validation of a virtual blood draw exposure paradigm for fear of blood and needles. v. 51, Oct. 2017, p. 65–71.
- Visschedijk, J.H.M.; et al. Longitudinal follow-up study on fear of falling during and after rehabilitation in skilled nursing facilities. *BMC Geriatr.* 2015 Dec 4;15:161.
- Vitorino, L.M., et al. Medo de cair em idosos residentes no domicílio: fatores associados. *Rev Esc Enferm USP.* 2017;51:e03215.
- Wahlbeck H.; KVIST L.J.; Landgren K. Gaining hope and self-confidence—An interview study of women's experience of treatment by art therapy for severe fear of childbirth. *Women Birth.* v. 31, n. 4, Aug. 2018, p. 299–306.
- Yosephi, M.H., et al. The effects of trans-cranial direct current stimulation intervention on fear: A systematic review of literature. *J Clin Neurosci.* v. 62, Apr. 2019, p. 7–13.
- Zhang, H.; Huang, J.; Long, C. Influence of psychological intervention before emergent ocular trauma surgery on patients' negative emotions. *Eye Sci.* 2014 Jun;29(2):74–7.

Maladaptive grieving (00301)

- Barreto, P., de la Torre, O., & Pérez-Marín, M. (2012). Detección de duelo complicado. *Psicooncología*, 9(2–3), 355–368.
- Brito, P. R., & Aguirre, A. (2014). *El diagnóstico psicosocial desde una perspectiva enfermera*. Barcelona: Elsevier.
- Burke, L. A., & Neimeyer, R. A. (2013). Prospective risk factors for complicated grief: A review of the empirical literature. In M. S. Stroebe, H. Schut, J. van der Bout & P. Boelen. (Eds.), *Complicated grief: Scientific foundations for healthcare professionals* (pp. 145–161). New York: Routledge.
- Burke, L. A., Neimeyer, R. A., Bottomley, J. S., & Smigelsky, M. A. (2017). Prospective Risk Factors for Intense Grief in Family Members of Veterans Who Died of Terminal Illness. *Illness, Crisis & Loss*, 105413731769958.
- Cruse (2017) Current Issues in Grief Therapy: Complicated Grief http://www.cruse.org.uk/sites/default/files/default_images/pdf/Events/ColinMPcomplicatedgrief.pdf
- García-Hernández, A.M. (2010). *Vivir el duelo. La experiencia de perder un hijo*. Tenerife: Ediciones Idea.
- Gray, J. A., & Kim, J. (2017). Direct care workers' experiences of grief and needs for support. *Journal of Applied Research in Intellectual Disabilities*, 30(6), 995–1006.
- Lai, C., Luciani, M., Galli, F., Morelli, E., Moriconi, F., Penco, I., .. Lombardo, L. (2017). Persistent complex bereavement disorder in caregivers of terminally ill patients undergoing supportive-expressive treatment: A pilot study. *Journal of Mental Health*, 26(2), 111–118.
- Maccallum, F., & Bryant, R. A. (2013). A Cognitive Attachment Model of prolonged grief: Integrating attachments, memory, and identity. *Clinical Psychology Review*, 33(6), 713–727. Doi:10.1016/j.cpr.2013.05.001
- Maciejewski, P., Maercker, A., Boelen, P., & Prigerson, H. (2016). "Prolonged grief disorder" and "persistent complex bereavement disorder", but not "complicated grief", are one and the same diagnostic entity: An analysis of data from the Yale Bereavement Study. *World Psychiatry*, 15(3), 266–275.
- McSpedden, M., Mullan, B., Sharpe, L., Breen, L. J., & Lobb, E. A. (2016). The presence and predictors of complicated grief symptoms in perinatally bereaved mothers from a bereavement support organization. *Death Studies*, 41(2), 112–117.
- Moayedoddin, B., & Markowitz, J. C. (2015). Abnormal Grief: Should We Consider a More Patient-Centered Approach? *American Journal of Psychotherapy*, 69(4), 361–378.
- Paloma-Castro O, Romero-Sánchez JM, Paramio-Cuevas JC, Pastor-Montero SM, Castro-Yuste C, Frandsen AJ, Albar-Marin MJ, Bas-Sarmiento P, Moreno-Corral LJ. Nursing diagnosis of grieving: content validity in perinatal loss situations. *Int J Nurs Knowl*. 2014 Jun;25(2):102–9.
- Prigerson, H.G., Horowitz, M.J., Jacobs, S.C., Parkes, C.M., Aslan, M., Goodkin, K., et al.(2009). Prolonged grief disorder: Psychometric validation of criteria proposed for DSM-V and ICD-11. *Public Library of Science Medicine*, 6(8), doi:10.1371/journal.pmed.1000121.
- Rodríguez-Álvaro M (2017). *Epidemiología Enfermera del Duelo en Canarias* (Tesis Doctoral). Universidad de La Laguna.
- Rodríguez-Álvaro M, Brito-Brito PR, García-Hernández AM, Aguirre-Jaime A, Fernandez-Gutierrez DA. The Grieving Nursing Diagnoses in the Primary Healthcare Setting. *Int J Nurs Knowl*. 2019;30(1):34–42.

- Rodríguez-Álvaro, M. (2019). IMPACTO DEL DUELO COMPLICADO. UNA LECTURA A TRAVÉS DEL LENGUAJE DEL CUIDADO. *Revista Ene De Enfermería*, 13(3). Consultado de <http://ene-enfermeria.org/ojs/index.php/ENE/article/view/915>
- Shear, M. K., Simon, N., Wall, M., Zisook, S., Neimeyer, R., Duan, N., Reynolds, C., et al. (2011). Complicated grief and related bereavement issues for DSM-5. *Depression and anxiety*, 28(2), 103–17. doi:10.1002/da.20780.
- Smigelsky MA, Bottomley JS, Relyea G, Neimeyer RA. Investigating risk for grief severity: Attachment to the deceased and relationship quality. *Death Stud*. 2019; 9:1–10.
- Yi Yi P (2015). Factores de riesgo de duelo complicado en cuidados paliativos (Tesis Doctoral). Facultad de Psicología, Universidad de Valencia.

Risk for maladaptive grieving (00302)

- Barreto, P., de la Torre, O., & Pérez-Marín, M. (2012). Detección de duelo complicado. *Psicooncología*, 9(2–3), 355–368.
- Brito, P. R., & Aguirre, A. M. (2014). El diagnóstico psicosocial desde una perspectiva enfermera. Barcelona: Elsevier.
- Burke, L. A., & Neimeyer, R. A. (2013) Prospective risk factors for complicated grief: A review of the empirical literature. In M. S. Stroebe, H. Schut, J. van der Bout & P. Boelen. (Eds.), *Complicated grief: Scientific foundations for healthcare professionals* (pp. 145–161). New York: Routledge.
- Burke, L. A., Neimeyer, R. A., Bottomley, J. S., & Smigelsky, M. A. (2017). Prospective Risk Factors for Intense Grief in Family Members of Veterans Who Died of Terminal Illness. *Illness, Crisis & Loss*, 105413731769958.
- Cruse (2017) Current Issues in Grief Therapy: Complicated Grief http://www.cruse.org.uk/sites/default/files/default_images/pdf/Events/ColinMPcomplicatedgrief.pdf
- García-Hernández, A.M. (2010). Vivir el duelo. La experiencia de perder un hijo. Tenerife: Ediciones Idea.
- Gray, J. A., & Kim, J. (2017). Direct care workers' experiences of grief and needs for support. *Journal of Applied Research in Intellectual Disabilities*, 30(6), 995–1006.
- Lai, C., Luciani, M., Galli, F., Morelli, E., Moriconi, F., Penco, I., .. Lombardo, L. (2017). Persistent complex bereavement disorder in caregivers of terminally ill patients undergoing supportive-expressive treatment: A pilot study. *Journal of Mental Health*, 26(2), 111–118.
- Macallum, F., & Bryant, R. A. (2013). A Cognitive Attachment Model of prolonged grief: Integrating attachments, memory, and identity. *Clinical Psychology Review*, 33 (6), 713–727. Doi:10.1016/j.cpr.2013.05.001
- Maciejewski, P., Maercker, A., Boelen, P., & Prigerson, H. (2016). "Prolonged grief disorder" and "persistent complex bereavement disorder", but not "complicated grief", are one and the same diagnostic entity: An analysis of data from the Yale Bereavement Study. *World Psychiatry*, 15(3), 266–275.
- McSpedden, M., Mullan, B., Sharpe, L., Breen, L. J., & Lobb, E. A. (2016). The presence and predictors of complicated grief symptoms in perinatally bereaved mothers from a bereavement support organization. *Death Studies*, 41(2), 112–117.
- Moayedoddin, B., & Markowitz, J. C. (2015). Abnormal Grief: Should We Consider a More Patient-Centered Approach? *American Journal of Psychotherapy*, 69(4), 361–378.
- Paloma-Castro O, Romero-Sánchez JM, Paramio-Cuevas JC, Pastor-Montero SM, Castro-Yuste C, Frandsen AJ, Albar-Marín MJ, Bas-Sarmiento P, Moreno-Corral LJ.

- Nursing diagnosis of grieving: content validity in perinatal loss situations. *Int J Nurs Knowl*. 2014 Jun;25(2):102–9.
- Prigerson, H.G., Horowitz, M.J., Jacobs, S.C., Parkes, C.M., Aslan, M., Goodkin, K., et al.(2009). Prolonged grief disorder: Psychometric validation of criteria proposed for DSM-V and ICD-11. *Public Library of Science Medicine*, 6(8), doi:10.1371/journal.pmed.1000121.
- Rodríguez-Álvaro M (2017). *Epidemiología Enfermera del Duelo en Canarias* (Tesis Doctoral). Universidad de La Laguna.
- Rodríguez-Álvaro M, Brito-Brito PR, García-Hernández AM, Aguirre-Jaime A, Fernandez-Gutierrez DA. The Grieving Nursing Diagnoses in the Primary Healthcare Setting. *Int J Nurs Knowl*. 2019;30(1):34–42.
- Rodríguez-Álvaro, M. (2019). *IMPACTO DEL DUELO COMPLICADO. UNA LECTURA A TRAVÉS DEL LENGUAJE DEL CUIDADO*. *Revista Ene De Enfermería*, 13(3). Consultado de <http://ene-enfermeria.org/ojs/index.php/ENE/article/view/915>
- Shear, M. K., Simon, N., Wall, M., Zisook, S., Neimeyer, R., Duan, N., Reynolds, C., et al. (2011). Complicated grief and related bereavement issues for DSM-5. *Depression and anxiety*, 28(2), 103–17. doi:10.1002/da.20780.
- Smigelsky MA, Bottomley JS, Relyea G, Neimeyer RA. Investigating risk for grief severity: Attachment to the deceased and relationship quality. *Death Stud*. 2019; 9:1–10.
- Yi Yi P (2015). *Factores de riesgo de duelo complicado en cuidados paliativos* (Tesis Doctoral). Facultad de Psicología, Universidad de Valencia.

Readiness for enhanced grieving (00285)

- Barreto, P., de la Torre, O., & Pérez-Marín, M. (2012). Detección de duelo complicado. *Psicooncología*, 9(2–3), 355–368.
- Brito, P. R., & Aguirre, A. (2014). *El diagnóstico psicosocial desde una perspectiva enfermera*. Barcelona: Elsevier.
- Burke, L. A., & Neimeyer, R. A. (2013) Prospective risk factors for complicated grief: A review of the empirical literature. In M. S. Stroebe, H. Schut, J. van der Bout & P. Boelen. (Eds.), *Complicated grief: Scientific foundations for healthcare professionals* (pp. 145–161). New York: Routledge.
- Burke, L. A., Neimeyer, R. A., Bottomley, J. S., & Smigelsky, M. A. (2017). Prospective Risk Factors for Intense Grief in Family Members of Veterans Who Died of Terminal Illness. *Illness, Crisis & Loss*, 105413731769958.
- Cruse (2017) *Current Issues in Grief Therapy: Complicated Grief* http://www.cruse.org.uk/sites/default/files/default_images/pdf/Events/ColinMPcomplicatedgrief.pdf
- García-Hernández, A.M. (2010). *Vivir el duelo. La experiencia de perder un hijo*. Tenerife: Ediciones Idea.
- Gray, J. A., & Kim, J. (2017). Direct care workers' experiences of grief and needs for support. *Journal of Applied Research in Intellectual Disabilities*, 30(6), 995–1006.
- Lai, C., Luciani, M., Galli, F., Morelli, E., Moriconi, F., Penco, I., .. Lombardo, L. (2017). Persistent complex bereavement disorder in caregivers of terminally ill patients undergoing supportive-expressive treatment: A pilot study. *Journal of Mental Health*, 26(2), 111–118.
- Maccallum, F., & Bryant, R. A. (2013). A Cognitive Attachment Model of prolonged grief: Integrating attachments, memory, and identity. *Clinical Psychology Review*, 33(6), 713–727. Doi:10.1016/j.cpr.2013.05.001

- Maciejewski, P., Maercker, A., Boelen, P., & Prigerson, H. (2016). "Prolonged grief disorder" and "persistent complex bereavement disorder", but not "complicated grief", are one and the same diagnostic entity: An analysis of data from the Yale Bereavement Study. *World Psychiatry*, 15(3), 266–275.
- McSpedden, M., Mullan, B., Sharpe, L., Breen, L. J., & Lobb, E. A. (2016). The presence and predictors of complicated grief symptoms in perinatally bereaved mothers from a bereavement support organization. *Death Studies*, 41(2), 112–117.
- Moayedoddin, B., & Markowitz, J. C. (2015). Abnormal Grief: Should We Consider a More Patient-Centered Approach? *American Journal of Psychotherapy*, 69(4), 361–378.
- Paloma-Castro O, Romero-Sánchez JM, Paramio-Cuevas JC, Pastor-Montero SM, Castro-Yuste C, Frandsen AJ, Albar-Marín MJ, Bas-Sarmiento P, Moreno-Corral LJ. Nursing diagnosis of grieving: content validity in perinatal loss situations. *Int J Nurs Knowl*. 2014 Jun;25(2):102–9.
- Prigerson, H.G., Horowitz, M.J., Jacobs, S.C., Parkes, C.M., Aslan, M., Goodkin, K., et al.(2009). Prolonged grief disorder: Psychometric validation of criteria proposed for DSM-V and ICD-11. *Public Library of Science Medicine*, 6(8), doi:10.1371/journal.pmed.1000121.
- Rodríguez-Álvaro M (2017). *Epidemiología Enfermera del Duelo en Canarias* (Tesis Doctoral). Universidad de La Laguna.
- Rodríguez-Álvaro M, Brito-Brito PR, García-Hernández AM, Aguirre-Jaime A, Fernandez-Gutierrez DA. The Grieving Nursing Diagnoses in the Primary Healthcare Setting. *Int J Nurs Knowl*. 2019;30(1):34–42.
- Rodríguez-Álvaro, M. (2019). IMPACTO DEL DUELO COMPLICADO. UNA LECTURA A TRAVÉS DEL LENGUAJE DEL CUIDADO. *Revista Ene De Enfermería*, 13(3). Consultado de <http://ene-enfermeria.org/ojs/index.php/ENE/article/view/915>
- Shear, M. K., Simon, N., Wall, M., Zisook, S., Neimeyer, R., Duan, N., Reynolds, C., et al. (2011). Complicated grief and related bereavement issues for DSM-5. *Depression and anxiety*, 28(2), 103–17. doi:10.1002/da.20780.
- Smigelsky MA, Bottomley JS, Relyea G, Neimeyer RA. Investigating risk for grief severity: Attachment to the deceased and relationship quality. *Death Stud*. 2019; 9:1–10.
- Yi Yi P (2015). *Factores de riesgo de duelo complicado en cuidados paliativos* (Tesis Doctoral). Facultad de Psicología, Universidad de Valencia.

Impaired mood regulation (00241)

- Chan, A.C.M. & Cheng, S.T. 2007. Withdrawal, apathy and lack of vigor in late life depression: Factorial validity and relationship to diagnosis. *Aging & Mental Health*, 11(5), 532–537.
- Dimeo, T.L., Bauer, M., Varaham, I., Proust, G., & Halter, U. (2001). Benefits from aerobic exercise in patients with major depression: a pilot study. *British Journal of Sports Medicine*, 35(2), 114–117.
- Kowatch, R.A., Youngstrom, E.A., Danielyan, A., & Findling, R.L. (2005). Review and meta-analysis of the phenomenology and clinical characteristics of mania in children and adolescents. *Bipolar Disorders*, 7(6), 483–496
- Lightbody, C.E., Baldwin, R., Connolly, M., Gibbon, B., Jawaid, N., Leathley M.J, ... Watkins, C. (2007). Can nurses help identify patients with depression following a stroke? A pilot study using 2 methods of detection. *Journal of Advanced Nursing*, 57(5), 505–512.

- Lilja, L., Hellzen, M., Lind, I., & Hellzen, O. (2006). The meaning of depression: Swedish nurses' perceptions of depressed inpatients. *Journal of Psychiatric and Mental Health Nursing*, 13(3), 269–278.
- Mead, G.E., Morley, W., Campbell, P., Greig, C.A., McMurdo, M., & Lawlor, D.A. (2009). Exercise for depression. *Cochrane Database of Systematic Reviews*, 3.
- Morriss, R., Faizal, M.A., Jones A.P., Williamson, P.R., Bolton C.A., & McCarthy, J.P. (2009). Interventions for helping people recognize early signs of recurrence in bipolar disorder. *Cochrane Database of Systematic Reviews*, 1.
- Neufeld, E. & O'Rourke, N. (2009). Impulsivity and Hopelessness as Predictors of Suicide-Related Ideation Among Older Adults. *Canadian Journal of Psychiatry*, 54(10), 684–692
- Registered Nurses' Association of Ontario. (2011). Screening for delirium, dementia and depression in older adults. Toronto, Ont: Registered Nurses' Association of Ontario.
- Sagen, U., Finset, A., Moum, T., Mørland, T., Vik, T.G., Nagy, T., & Dammen, T. (2010). Early detection of patients at risk for anxiety, depression and apathy after stroke. *General Hospital Psychiatry*; 32(1), 80–85.
- Stuart, G.W. & Laraia, M.T. (2001). *Principles and Practice of Psychiatric Nursing*. St. Louis: Mosby
- Volicer, B.J., Quattrocchi, N., Candelieri, R., Nicolosi, R., & Ladebauche, P. (2006). Depression and alcohol abuse in asthmatic college students. *The Nurse Practitioner*, 31(2), 49–54.
- Wang, M-Y., Tsai, P.S., Chou, K-R., Chen, C-M. (2008). A systematic review of the efficacy of non-pharmacological treatments for depression on glycaemic control in type 2 diabetics. *Journal of Clinical Nursing*, 17(19), 2524–2530.

Powerlessness (00125)

- Alves Silva R, Lima Martins ÁK, Barreto de Castro N, Viana AV, Butcher HK, Martins da Silva V. Analysis of the concept of powerlessness in individuals with stroke. *Invest Educ Enferm*. 2017;35(3):306–319. doi:10.17533/udea.iee.v35n3a07
- Braga, Cristiane Giffoni, & Cruz, Diná de Almeida Lopes Monteiro da. (2005). Sentimento de impotência: diferenciação de outros diagnósticos e conceitos. *Revista da Escola de Enfermagem da USP*, 39(3), 350–357. doi:10.1590/S0080–62342005000300014
- Braga, Cristiane Giffoni, & Cruz, Diná de Almeida Lopes Monteiro da. (2003). A resposta psicossocial de impotência em pacientes no pós-operatório de cirurgia cardíaca. *Revista da Escola de Enfermagem da USP*, 37(1), 26–35. doi:10.1590/S0080–62342003000100004

Risk for powerlessness (00152)

- Alves Silva R, Lima Martins ÁK, Barreto de Castro N, Viana AV, Butcher HK, Martins da Silva V. Analysis of the concept of powerlessness in individuals with stroke. *Invest Educ Enferm*. 2017;35(3):306–319. doi:10.17533/udea.iee.v35n3a07
- Braga, Cristiane Giffoni, & Cruz, Diná de Almeida Lopes Monteiro da. (2005). Sentimento de impotência: diferenciação de outros diagnósticos e conceitos. *Revista da Escola de Enfermagem da USP*, 39(3), 350–357. doi:10.1590/S0080–62342005000300014
- Braga, Cristiane Giffoni, & Cruz, Diná de Almeida Lopes Monteiro da. (2003). A resposta psicossocial de impotência em pacientes no pós-operatório de cirurgia cardíaca.

ca. Revista da Escola de Enfermagem da USP, 37(1), 26–35. doi:10.1590/S0080-62342003000100004

Readiness for enhanced power (00187)

- Anderson, R.M. & Funnell, M.M. (2005). Patient empowerment: Reflections on the challenge of fostering the adoption of a new paradigm. *Patient Education and Counseling*, 57(2), 153–157.
- Barrett, E.A.M. (1990). A measure of power as knowing participation in change. In Strickland, O. & Waltz, C. (eds), *Measurement of nursing outcomes: Volume 4, Measuring client self-care and coping skills* (pp. 159–180). New York: Springer.
- Caroselli, C. & Barrett, E.A.M. (1998). A review of the power as knowing participation in change literature. *Nursing Science Quarterly*, 11(1), 9–16.
- Cowling, W.R. (2004). Pattern, participation, praxis, and power in unitary appreciative inquiry. *Nursing Science Quarterly*, 27, 202–14.
- Funnell, M.M. (2004). Patient empowerment. *Critical Care Nursing Quarterly*, 27(3): 201–204.
- Guinn, M.J. (2004). A daughter's journey promoting geriatric self-care: Promoting positive health care interactions. *Geriatric Nursing*, 25(5), 267–271.
- Harkness, J. (2005). Patient involvement: A vital principle for patient-centered health care. *World Hospitals & Health Services*, 41(2), 12–16, 40–3.
- Hashimoto, H. & Fukuhara, S. (2003). The influence of locus of control on preferences for information and decision making. *Patient Education and Counseling*, 55(2), 236–240.
- Jeng, C., Yang, S., Chang, P., & Tsao, L. (2004). Menopausal women: Perceiving continuous power through the experience of regular exercise. *Journal of Clinical Nursing*, 13(4), 447–454.
- Mok, E. (2001). Empowerment of cancer patients: From a Chinese perspective. *Nursing Ethics*, 8(1), 69–76.
- Pender, N.J., Murdaugh, C.L., & Parsons, M.A. (2006). *Health promotion in nursing practice* (5th ed.). Stamford, CT: Appleton & Lange.
- Pibernik-Okanovic, M., Prasek, M., Poljicanin-Filipovic, T., Pavlic-Renar, I., & Metelko, Z. (2003). Effects of an empowerment-based psychosocial intervention on quality of life and metabolic control in type 2 diabetic patients. *Patient Education and Counseling*, 52(2), 193–199.
- Shearer, N.B.C. & Reed, P.G. (2004). Empowerment: reformulation of a non-Rogerian concept. *Nursing Science Quarterly*, 17(3), 253–259.
- Wright, B.W. (2004). Trust and power in adults: An investigation using Rogers' science of unitary human beings. *Nursing Science Quarterly*, 17(2), 139–146.

Impaired resilience (00210)

- Armstrong, M., Birnie-Lefcovitch, S., & Ungar, M (2005) Pathways between social support family wellbeing, quality of parenting and child resilience: What we know. *Journal of Child and Family Studies*, 14(2), 269–281.
- Bonanno, G.A. (2005). Clarifying and extending the construct of adult resilience. *American Psychologist*, 60, 265–267.
- Brown, J.H. & Brown, D. (2005). Why 'at risk' is at risk. *American School Board Journal*, 192(11), 44–46.

- Crosnoe, R. & Elder, G. (2004). Family dynamics, supportive relationships, and educational resilience during adolescence. *Journal of Family Issues*, 25(5), 571–602.
- Kaylor, G. & Otis, M. (2003). The effect of childhood maltreatment on adult criminality: a tobit regression analysis. *Child Maltreatment*, 8(2), 129–137.
- Luthar, S.S. & Cicchetti, D. (2000). The construct of resilience: implications for interventions and social policies. *Developmental Psychopathology*, 12(4), 857–885.
- Richardson, G.E. (2002). The metatheory of resilience and resiliency. *Journal of Clinical Psychology*, 58(3), 307–321.
- Rutter, M. & Sroufe, A. (2000). Developmental psychopathology: concepts and challenges. *Developmental Psychopathology*, 12(3), 265–296.
- Taylor, J. (2000). Sisters of the yam: African American women's healing and self-recovery from intimate male partner violence. *Issues in Mental Health Nursing*, 21(5), 515–531

Risk for impaired resilience (00211)

- Caldeira S, Timmins F. Resilience: synthesis of concept analyses and contribution to nursing classifications. *International Nursing Review*. Retrieved April 1st, 2016, from <http://onlinelibrary.wiley.com/doi/10.1111/inr.12268/abstract>; 2016
- Dyer JG, McGuinness TM. Resilience: analysis of the concept. *Arch Psychiatr Nurs*. 1996; 10(5):276–282
- Earvolino-Ramirez M. Resilience: a concept analysis. *Nurs Forum*. 2007; 42(2):73–82
- Ewen HH, Chahal JK, Fenster ES. A portrait of resilience in caregiving. *Res Gerontol Nurs*. 2015; 8(1):29–38
- Garcia-Dia MJ, DiNapoli JM, Garcia-Ona L, Jakubowski R, O'Flaherty D. Concept analysis: resilience. *Arch Psychiatr Nurs*. 2013; 27(6):264–270
- Gillespie BM, Chaboyer W, Wallis M. Development of a theoretically derived model of resilience through concept analysis. *Contemp Nurse*. 2007; 25(1–2):124–135
- Lin FY, Rong JR, Lee TY. Resilience among caregivers of children with chronic conditions: a concept analysis. *J Multidiscip Healthc*. 2013; 6:323–333
- Molina Y, Yi JC, Martinez-Gutierrez J, Reding KW, Yi-Frazier JP, Rosenberg AR. Resilience among patients across the cancer continuum: diverse perspectives. *Clin J Oncol Nurs*. 2014; 18(1):93–101
- Simmons A, Yoder L. Military resilience: a concept analysis. *Nurs Forum*. 2013; 48(1):17–25
- van Kessel G. The ability of older people to overcome adversity: a review of the resilience concept. *Geriatr Nurs*. 2013; 34(2):122–127
- West C, Buettner P, Stewart L, Foster K, Usher K. Resilience in families with a member with chronic pain: a mixed methods study. *J Clin Nurs*. 2012; 21(23–24):3532–3545
- Windle G. What is resilience? A review and concept analysis. *Rev Clin Gerontol*. 2011; 21:152–169

Readiness for enhanced resilience (00212)

- Bolger, K. & Patterson, C. (2003). Sequelae of child maltreatment: Vulnerability and resilience. In Luthar, S. (Eds.), *Resilience and vulnerability: Adaptation in the context of childhood adversities*. (pp. 156–181) United Kingdom: Cambridge University Press.
- Bolger, K., Patterson, C., & Kupersmidt, J. (1998). Peer relationships and self-esteem among children who have been maltreated. *Child Development*, 69(4), 1171–1197.

- Bonanno, G.A. (2005). Clarifying and extending the construct of adult resilience. *American Psychologist*, 60, 265–267.
- Brown, J.H. & Brown, D. (2005). Why ‘at risk’ is at risk. *American School Board Journal*, 192(11), 44–46.
- Crosnoe, R. & Elder, G. (2004). Family dynamics, supportive relationships, and educational resilience during adolescence. *Journal of Family Issues*, 25(5), 571–602.
- Evans, G.W. & Kantrowitz, E. (2002). Socioeconomic status and health: the potential role of environmental risk exposure. *Annual Review of Public Health*, 23(1), 303–331.
- Fergus, S. & Zimmerman, M. (2005). Adolescent resilience: a framework for understanding healthy development in the face of risk. *Annual Review of Public Health*, 26, 399–419.
- Haskett, M. & Willoughby, M. (2007). Paths to child social adjustment: Parenting quality and children’s processing of social information. *Child: Care, Health and Development*, 33(1), 67–77.
- Kelley, T.M. (2005). Natural resilience and innate mental health. *American Psychologist*, 60(3), 265.
- Kim, J. & Cicchetti, D. (2003). Social self-efficacy and behavior problems in maltreated children. *Journal of Clinical Child and Adolescent Psychology*, 32(1), 106–17.
- Luthar, S., Cicchetti, D., & Becker, B. (2000). The construct of resilience: a critical evaluation and guidelines for future work. *Child Development*, 71(3), 543–62.
- Luthar, S.S. & Cicchetti, D. (2000). The construct of resilience: implications for interventions and social policies. *Developmental Psychopathology*, 12(4), 857–885.
- Manly, J.T., Kim, J.E., Rogosch, F.A., & Cicchetti, D. (2001). Dimensions of child maltreatment and children’s adjustment: contributions of developmental timing and subtype. *Developmental Psychopathology*, 13(4), 759–782.
- Masten, A.S. (2004). Regulatory processes, risk and resilience in adolescent development. *Annals of the New York Academy of Science*, 1021(1), 310–319.
- Masten, A., Burt, K., Roisman, G., Obradovic, J., Long, J., & Tellegen, A. (2004). Resources and resilience in the transition to adulthood: Continuity and Change. *Development and Psychopathology*, 16(4), 1071–1094.
- Masten, A., & Powell, J. (2003). A resilience framework for research policy and practice. In S. Luthar (Ed.), *Resilience and vulnerability: Adaptation in the context of childhood adversities* (pp. 1–25). United Kingdom: Cambridge University Press.
- Masten, A.S. (2001). Ordinary Magic: Resilience processes in development. *American Psychologist*, 56(3), 227–238.
- Richardson, G.E. (2002). The metatheory of resilience and resiliency. *Journal of Clinical Psychology*, 58(3), 307–321.
- Rutter, M. (1987). Psychosocial resilience and protective mechanism. *American Journal of Orthopsychiatry*, 57(3), 316–331.
- Rutter, M. & O’Conner, T. (2004). Are there biological programming effects of psychological development? Findings from a study of Romanian Adoptees. *Developmental Psychology*, 40(1), 81–94.
- Rutter, M. & Sroufe, A. (2000). Developmental psychopathology: concepts and challenges. *Developmental Psychopathology*, 12(3), 265–296.
- Sinclair, V.G. & Wallston, K.A. (2004). The development and psychometric evaluation of the brief resilient coping scale. *Assessment*, 11(1), 94–101.
- Tusaie, K., & J. Dyer (2004). Resilience: a historical review of the construct. *Holistic Nursing Practice*, 18(1), 3–8.

- Werner, E.E. (1996a). Protective factors and individual resilience. In: Meisels, S. & Shonkoff, J. (eds), *Handbook of early childhood interventions*. New York: Cambridge University Press.
- Werner, E.E. (1996b). Vulnerable but invincible. *European Child and Adolescent Psychiatry*, 5(1), 47–51.

Chronic sorrow (00137)

None at this time.

Stress overload (00177)

- Al-Hassan, M. & Sagar, L. (2002). Stress and stressors of myocardial infarction patients in the early period after discharge. *Journal of Advanced Nursing*, 40(2), 181–188.
- Bay, E., Hagerty, B., Williams, R.A., & Kirsch, N. (2005). Chronic stress, salivary cortisol response, interpersonal relatedness, and depression among community-dwelling survivors of traumatic brain injury. *Journal of Neuroscience Nursing*, 37(1), 4–14.
- Boardman, J.D. (2004). Stress and physical health: The role of neighborhoods as mediating and moderating mechanisms. *Social Science and Medicine*, 58(12), 2473–2483.
- Booth, K., Beaver, K., Kitchener, H., O'Neill, J., & Farrell, C. (2005). Women's experiences of information, psychological distress and worry after treatment for gynecological cancer. *Patient Education and Counseling*, 56(2), 225–232.
- Carlson-Catalano, J. (1998). Nursing diagnoses and interventions for postacute phase battered women. *Nursing Diagnoses*, 9(3), 101–10.
- Choenarom, C., Williams, R.A., & Hagerty, B.M. (2005). The role of sense of belonging and social support on stress and depression in individuals with depression. *Archives in Psychiatric Nursing*, 19(1), 18–29.
- Cropley, M. & Steptoe, A. (2005). Social support, life events and physical symptoms: A prospective study of chronic and recent life stress in men and women. *Psychological Medicine*, 33(2), 299–306.
- Davidson, M., Penney, E.D., Muller, B., & Grey, M. (2004). Stressors and self care challenges faced by adolescents living with type 1 diabetes. *Applied Nursing Research*, 17(1), 72–80.
- Diong, S.M., Bishop, G.D., Enkelmann, H.C., et al. (2005). Anger, stress, coping, social support and health: Modelling the relationships. *Psychology and Health*, 20(4), 467–495.
- Drew, D., Goodenough, B., Maurice, L., Foreman, T., & Willis, L. (2005). Parental grieving after a child dies from cancer: Is stress from stem cell transplant a factor? *International Journal of Palliative Nursing*, 11(6), 266–273.
- Eby, K.K. (2004). Exploring the stressors of low-income women with abusive partners: Understanding their needs and developing effective community responses. *Journal of Family Violence*, 19(6), 251–232.
- Golden-Kreutz, D.M., Thornton, L.M., Wells-Di Gregoria, S., et al. (2005). Traumatic stress, perceived global stress, and life events: Prospectively predicting quality of life in breast cancer patients. *Health Psychology*, 24(3), 288–296.
- Hannigan, B., Edwards, D., & Burnard, P. (2004). Stress and stress management in clinical psychology: Findings from a systematic review. *Journal of Mental Health*, 13(3), 235–245.
- Harwood, L., Locking-Cusolito, H., Spittal, J., Wilson, B., & White, S. (2005). Preparing for hemodialysis: Patients' stressors and responses. *Nephrology Nursing Journal*, 32(3), 295–303.

- Holmes, T.H. & Rahe, R.H. (1967). The Social Readjustment Rating Scale. *Journal of Psychometric Research*, 11(2), 213–218.
- Hung, C-H. (2005). Measuring postpartum stress. *Journal of Advanced nursing*, 50(4), 417–424.
- Ilgen, M.A. & Hutchinson, K.E. (2005). A history of major depressive disorder and the response to stress. *Journal of Affective Disorders*, 86(2–3), 143–150.
- Janz, N.K., Dodge, J.A., Janevic, M.R., Lin, X., Donaldson, A.E., & Clark, N.M. (2004). Understanding and reducing stress and psychological distress in older women with heart disease. *Journal of Women & Aging*, 16 (3/4), 19–38.
- Kanner, A.D., Coyne, J.C., Schaefer, C., & Lazarus, R.S. (1981). Comparison of two measures of stress measurement: Daily hassles and uplifts versus major life events. *Journal of Behavioral Medicine*, 4(1), 1–37.
- Keil, R.M.K. (2004). Coping and stress: A conceptual analysis. *Journal of Advanced Nursing*, 45(5), 659–665.
- Krause, N. (2004). Stressors arising in highly valued roles, meaning in life, and the physical health status of older adults. *Journal of Gerontology: Social Sciences*, 59(5), S287–97.
- Lazarus, R.S. & Folkman, S. (1984). *Stress, appraisal, and coping*. New York: Springer.
- Lim, L.S., Williams, D.E., & Hagan, P.T. (2005). Validation of a five-point self rated stress score. *American Journal of Health Promotion*, 19(6), 438–441.
- Lloyd, C., Smith, J., & Weinger, K. (2005). Stress and diabetes: A review of the links. *Diabetes Spectrum*, 18(2), 121–127.
- Lunney, M. & Myszak, C. (1997). Abstract: Stress overload: A new diagnosis. In: Rantz, M.J. & LeMone, P. (Eds.), *Classification of nursing diagnoses: Proceedings of the twelfth conference*, North American Nursing Diagnosis Association. Glendale, CA: CINAHL Information Systems.
- Lustky, M.K., Widman, L., Paschane, A., & Ecker, E. (2004). Stress, Quality of life and physical activity in women with varying degrees of premenstrual symptomatology. *Women & Health*, 39(3), 35–44.
- McNulty, P.A.F. (2005). Reported stressors and health care needs of active duty Navy personnel during three phases of deployment in support of the war in Iraq. *Military Medicine*, 170(6), 530–535.
- Maller, M.H., Almeida, D.M., & Neupert, S.D. (2005). Women's daily physical health symptoms and stressful experiences across adulthood. *Psychology and Health*, 20(3), 389–403.
- Mariano, C. (1993). Case study: The method. In: Munhall, P.L. & Oiler, C.O. (Eds.), *Nursing research: A qualitative perspective*, 2nd ed. New York: National League for Nursing.
- Miles, M.B. & Huberman, A.M. (1984). *Qualitative data analysis: A sourcebook of new methods*. Newbury Park, CA: Sage.
- Motzer, S.A. & Hertig, V. (2004). Stress, stress response and health. *Nursing Clinics of North America*, 39(1), 1–17.
- Neilsen, N.R., Zhang, Z-F., Kristensen, T.S., Netterstrm, B., Schnohr, P., & Grebaek, M. (2005). Self reported stress and risk of breast cancer: prospective cohort study. *British Medical Journal*, 331(7516), 548–50.
- Power, T.G. (2004). Stress and coping in childhood: The parents' role. *Parenting: Science and Practice*, 4(4), 271–317.
- Ridner, S.H. (2004). Psychological distress: Concept analysis. *Journal of Advanced Nursing*, 45(5), 536–545.

- Robinson, K.L., McBeth, J., & McFarlane, G.J. (2004). Psychological distress and premature mortality in the general population: A prospective study. *Annals of Epidemiology*, 14(7), 467–472.
- Ryan, M. (2001). Biases that influence the diagnostic process. In: Lunney, M. (ed.), *Critical thinking and nursing diagnoses: Case studies and analyses*. Philadelphia: NANDA.
- Ryan-Wenger, N.A., Sharrer, V.W., & Campbell, K.K. (2005). Changes in children's stressors over the past 30 years. *Pediatric Nursing*, 31(4), 282–291.
- Sarid, O., Anson, O., Yaari, A., & Margalith, M. (2004). Academic stress, immunological reaction, and academic performance among students of nursing and physiotherapy. *Research in Nursing & Health*, 27(5), 370–377.
- Scollan-Koliopoulos, M. (2005). Managing stress response to control hypertension in type 2 diabetes. *The Nurse Practitioner*, 30(2), 46–49.
- Selye, H. (1956). *The Stress of Life*. New York: McGraw Hill.
- Selye, H. (1974). *Stress without Distress*. Philadelphia: J.B. Lippincott.
- Selye, H. (1976). Further thoughts on "stress without distress." *Medical Times*, 104(11), 124–132.
- Sepa, A., Wahlberg, J., Vaarsala, O., Frodi, A. & Ludvigsson, J. (2005). Psychological stress may induce diabetes-related autoimmunity in infancy. *Diabetes Care*, 28(2), 290–295.
- So, H.M. & Chan, D.S.K. (2004). Perceptions of stressors by patients and nurses of critical care units in Hong Kong. *International Journal of Nursing Studies*, 41(1), 77–84.
- Sternberg, E. (2001). *The balance within: The science of connecting health and emotions*. New York: W.H. Freeman.
- Stewart, K.E., Cianfrani, L.R., & Walker, J.F. (2005). Stress, social support and housing are related to health status among HIV-positive persons in the Deep South of the United States. *AIDS Care*, 17(3), 350–358.
- Taxis, J.C., Rew, L., Jackson, K., & Kouzekanani, K. (2004). Protective resources and perceptions of stress in a multi-ethnic sample of school-age children. *Pediatric Nursing*, 30(6), 477–482, 487.
- Vondras, D.D., Powless, M.R., Olson, A.K., Wheeler, D., & Snudden, A.L. (2005). Differential effects of everyday stress on the episodic memory test performances of young, mid-life, and older adults. *Aging & Mental Health*, 9(1), 60–70.

9.3 Class 3. Neurobehavioral stress

Acute substance withdrawal syndrome (00258)

- Carlson RW, Kumar NN, Wong-Mckinstry E, et al. Alcohol withdrawal syndrome. *Crit Care Clin*. 2012; 28(4):549–585
- Carr GD. Alcoholism: a modern look at an ancient illness. *Prim Care*. 2011; 38(1):9–21, v
- Corfee FA. Alcohol withdrawal in the critical care unit. *Aust Crit Care*. 2011; 24(2): 110–116
- Genung V. Understanding the neurobiology, assessment, and treatment of substances of abuse and dependence: a guide for the critical care nurse. *Crit Care Nurs Clin North Am*. 2012; 24(1):117–130
- Lemon SJ, Winstead PW, Weant KA. Alcohol withdrawal syndrome. *Advanced Emergency Nursing*. 2010; 32(1):20–27

- McKeon A, Frye MA, Delanty N. The alcohol withdrawal syndrome. *J Neurol Neurosurg Psychiatry*. 2008; 79(8):854–862
- Muncie HL, Jr, Yasinian Y, Oge' L. Outpatient management of alcohol withdrawal syndrome. *Am Fam Physician*. 2013; 88(9):589–595
- Pitzele HZ, Tolia VM. Twenty per hour: altered mental state due to ethanol abuse and withdrawal. *Emerg Med Clin North Am*. 2010; 28(3):683–705
- Sharp B, Schermer CR, Esposito TJ, Omi EC, Ton-That H, Santaniello JM. Alcohol withdrawal syndrome in trauma patients: A prospective cohort study. *J Trauma Treat*. 2012; 1(4):128

Risk for acute substance withdrawal syndrome (00259)

- Carlson RW, Kumar NN, Wong-Mckinstry E, et al. Alcohol withdrawal syndrome. *Crit Care Clin*. 2012; 28(4):549–585
- Carr GD. Alcoholism: a modern look at an ancient illness. *Prim Care*. 2011; 38(1):9–21, v
- Corfee FA. Alcohol withdrawal in the critical care unit. *Aust Crit Care*. 2011; 24(2): 110–116
- Genung V. Understanding the neurobiology, assessment, and treatment of substances of abuse and dependence: a guide for the critical care nurse. *Crit Care Nurs Clin North Am*. 2012; 24(1):117–130
- Lemon SJ, Winstead PW, Weant KA. Alcohol withdrawal syndrome. *Advanced Emergency Nursing*. 2010; 32(1):20–27
- McKeon A, Frye MA, Delanty N. The alcohol withdrawal syndrome. *J Neurol Neurosurg Psychiatry*. 2008; 79(8):854–862
- Muncie HL, Jr, Yasinian Y, Oge' L. Outpatient management of alcohol withdrawal syndrome. *Am Fam Physician*. 2013; 88(9):589–595
- Pitzele HZ, Tolia VM. Twenty per hour: altered mental state due to ethanol abuse and withdrawal. *Emerg Med Clin North Am*. 2010; 28(3):683–705
- Sharp B, Schermer CR, Esposito TJ, Omi EC, Ton-That H, Santaniello JM. Alcohol withdrawal syndrome in trauma patients: A prospective cohort study. *J Trauma Treat*. 2012; 1(4):128

Autonomic dysreflexia (00009)

None at this time.

Risk for autonomic dysreflexia (00010)

None at this time.

Neonatal abstinence syndrome (00264)

- American Academy of Pediatrics Committee on Drugs. Neonatal drug withdrawal. *Pediatrics*. 1998; 101(6):1079–1088
- Finnegan LP. Neonatal abstinence syndrome: assessment and pharmacotherapy. In: *Neonatal therapy: An update*. New York, NY: Excerpta Medica 1986;122–146
- Finnegan LP. Neonatal abstinence syndrome: assessment and pharmacotherapy. In: Nelson N, ed. *Current therapy in neonatal-perinatal medicine*. 2nd ed. Ontario: BC Decker; 1990
- Galinkin J, Koh JL, Committee on Drugs, Section On Anesthesiology and Pain Medicine, American Academy of Pediatrics. Recognition and management of iatrogenic-

- cally induced opioid dependence and withdrawal in children. *Pediatrics*. 2014; 133(1):152–155
- Hudak ML, Tan RC, COMMITTEE ON DRUGS, COMMITTEE ON FETUS AND NEWBORN, American Academy of Pediatrics. Neonatal drug withdrawal. *Pediatrics*. 2012; 129(2):e540–e560
- Jansson LM, Velez ML. Infants of drug-dependent mothers. *Pediatr Rev*. 2011; 32(1): 5–12, quiz 12–13
- Kirchner L, Graf-Rohrmeister K, Klebermass-Schrehof K, et al. Neonatal abstinence syndrome in European and North American neonates: differences in clinical characteristics derived from a prospective randomized trial. *Klin Padiatr*. 2014; 226(5): 274–280
- Orlando S. An overview of clinical tools used to assess neonatal abstinence syndrome. *J Perinat Neonatal Nurs*. 2014; 28(3):212–219
- Patel P, Abdel-Latif ME, Hazelton B, et al. Perinatal outcomes of Australian buprenorphine-exposed mothers and their newborn infants. *J Paediatr Child Health*. 2013; 49(9):746–753
- Serane VT, Kurian O. Neonatal abstinence syndrome. *Indian J Pediatr*. 2008; 75(9): 911–914
- Welle-Strand GK, Skurtveit S, Jones HE, et al. Neonatal outcomes following in utero exposure to methadone or buprenorphine: a National Cohort Study of opioid-agonist treatment of Pregnant Women in Norway from 1996 to 2009. *Drug Alcohol Depend*. 2013; 127(1–3):200–206
- Zimmermann-Baer U, Nötzli U, Rentsch K, Bucher HU. Finnegan neonatal abstinence scoring system: normal values for first 3 days and weeks 5–6 in non-addicted infants. *Addiction*. 2010; 105(3):524–528

Disorganized infant behavior (00116)

None at this time.

Risk for disorganized infant behavior (00115)

None at this time.

Readiness for enhanced organized infant behavior (00117)

None at this time.

10 Domain 10. Life principles

10.1 Class 1. Values

This class does not currently contain any diagnoses

10.2 Class 2. Beliefs

Readiness for enhanced spiritual well-being (00068)

- Fisher, J. (2010) Development and application of a spiritual well-being questionnaire called SHALOM. *Religions*, 1: 105–121.
- Fisher, J. (2011) The Four Domains Model: Connecting spirituality, health and well-being. *Religions*, 2: 17–28.
- Fisher, J. (2012). Staff's and family members' spiritual well-being in relation to help for residents with dementia. *Journal of Nursing Education and Practice*, 2(4). doi:10.5430/jnep.v2n4p77
- Fisher, J., Brumley, D. (2008). Nurses' and Carers' Spiritual Well-Being in the Workplace. *Australian Journal of Advanced Nursing* 25, 49–57.
- Mathad, M.D., Rajesh, S.K., Pradhan B. Spiritual Well-Being and its Relationship with Mindfulness, Self-Compassion and Satisfaction with Life in Baccalaureate Nursing Students: A Correlation Study. *Relig Health*. 2019 Apr;58(2):554–565. doi:10.1007/s10943-017-0532-8.
- Weathers, E., McCarthy, G., & Coffey, A. (2015). Concept Analysis of Spirituality: An Evolutionary Approach. *Nursing Forum*, 51(2), 79–96. doi:10.1111/nuf.12128
- Peterman AH, Fitchett G, Brady MJ, Hernandez L, Cella D. Measuring spiritual well-being in people with cancer: the functional assessment of chronic illness therapy—Spiritual Well-being Scale (FACITSp). *Ann Behav Med* 2002;24(1):49–58.
- Sun, V., Kim, J. Y., Irish, T. L., Borneman, T., Sidhu, R. K., Klein, L., & Ferrell, B. (2015). Palliative care and spiritual well-being in lung cancer patients and family caregivers. *Psycho-Oncology*, 25(12), 1448–1455. doi:10.1002/pon.3987
- Bufford, R. K., Paloutzian, R. F., & Ellison, C. W. (1991). Norms for the Spiritual Well-Being Scale. *Journal of Psychology and Theology*, 19(1), 56–70. doi:10.1177/009164719101900106
- Martins, H., Dias Domingues, T., Caldera, S. (2020). Spiritual well-being in cancer patients undergoing chemotherapy in an outpatient setting: a cross-sectional study. *Journal of Holistic Nursing*, v. 38, n. 1, p. 68–77, 2020.

10.3 Class 3. Value/belief/action congruence

Readiness for enhanced decision-making (00184)

- Evans, R., Elwyn, G., & Edwards, A. (2004). Making interactive decision support for patients a reality. *Informatics in Primary Care*, 12(2), 109–113.
- Harkness, J. (2005). Patient involvement: A vital principle for patient-centered health care. *World Hospitals and Health Services: The Official Journal of the International Hospital Federation*, 41(2), 12–16.

- O'Connor, A.M., Drake, E.R., Wells, G.A., Tugwell, P., Laupacis, A., & Elmslie, T. (2003). A survey of the decision-making need of Canadians faced with complex health decisions. *Health Expectations*, 6(2), 97–109.
- O'Connor, A.M., Tugwell, P., Wells, G.A., et al. (1998). A decision aid for women considering hormone therapy after menopause: Decision support framework and evaluation. *Patient Education and Counseling*, 33(3), 267–279.
- Paterson, B.L., Russell, C., & Thorne, S. (2001). Critical analysis of everyday self-care decision making in chronic illness. *Journal of Advanced Nursing*, 35(3), 335–341.
- Pender, N.J., Murdaugh, C.L., & Parsons, M.A. (2006). *Health promotion in nursing Practice* (5th ed.). Upper Saddle River, NJ: Pearson Prentice-Hall.
- Roelands, M., Van Oost, P., Stevens, V., Depoorter, A., & Buysse, A. (2004). Clinical practice guidelines to improve shared decision-making about assistive device use in home care: A pilot interventions study. *Patient Education and Counseling*, 55(2), 252–64.
- Ross, M.M., Carswell, A., Hing, M., Hollingworth, G., & Dalziel, W.B. (2001). Seniors decision making about pain management. *Journal of Advanced Nursing*, 35(3), 442–451.
- Rothert, M.L., Holmes-Rovner, M., Rovner, D., et al. (1997). An educational intervention as decision support for menopausal women. *Research in Nursing & Health*, 20, 377–387.
- Tunis, S.R. (2005). Perspective: A clinical research strategy to support shared decision making. *Health Affairs*, 24(1), 180–184.

Decisional conflict (00083)

- Audi, R. (1999). *The Cambridge dictionary of philosophy* (2nd ed.). New York: Cambridge University Press.
- Beauchamp, T.L. & Childress, J.F. (2001). *Principles of biomedical ethics* (5th ed.). New York: Oxford University Press.
- Canadian Nurses' Association (2002). *Code of ethics for registered nurses*. Ottawa, ON: Canadian Nurses' Association.
- Fletcher, J.C., Lombardo, P.A., Marshall, M.F., & Miller, F.G. (1995). *Introduction to Clinical Ethics* (2nd ed.). Hagerston, HD: University Publishing.
- Jameton, A. (1984). *Nursing practice: The ethical issues*. Englewood Cliffs, NJ: Prentice-Hall.
- Kopala, B. & Burkhart, L. (2005). Ethical dilemma and moral distress: Proposed new NANDA diagnoses. *International Journal of Nursing Terminologies and Classifications*, 16(1), 3–13.
- Redman, B.K. & Fry, S.T. (1998). Ethical conflicts reported by certified registered rehabilitation nurses. *Rehabilitation Nursing*, 23(4), 179–184.
- Webster, G.C. & Baylis, F. (2000). Moral residue. In: Rubin, S.B. & Zoloth, L. (Eds.), *Margin of error. The ethics of mistakes in the practice of medicine*. Hagerstown, MD: University Publishing.

Impaired emancipated decision-making (00242)

- Stepanuk, K.M. (2011). *Women's decision-making regarding medication use in pregnancy for anxiety and/or depression*. Philadelphia, PA: Drexel University, College of Nursing Health Professions, Doctor of Nursing Practice Program.
- Wittmann-Price, R. A., Fliszar, R., & Bhattacharya, A. (2011). Elective Cesarean births: Are women making emancipated decisions? *Applied Nursing Research*, 24(3), 147–152.

- Wittmann-Price, R.A. & Fisher, K.M. (2009). Patient Decision Aids: Tools for patients and professionals. *The American Journal of Nursing*, 109(12), 60–64.
- Wittmann-Price, R. A. & Bhattacharya, A. (2008). Reexploring the subconcepts of the Wittmann-Price Theory of Emancipated Decision-making in Women's Healthcare. *Advances in Nursing Science*, 31(3), 225–236.
- Wittmann-Price, R. A. (2006). Exploring the subconcepts of the Wittmann-Price Theory of Emancipated Decision-making in Women's Health Care. *Journal of Nursing Scholarship*. 38(4), 377–382.

Risk for impaired emancipated decision-making (00244)

- Stepanuk, K.M. (2011). Women's decision-making regarding medication use in pregnancy for anxiety and/or depression. Philadelphia, PA: Drexel University, College of Nursing Health Professions, Doctor of Nursing Practice Program.
- Wittmann-Price, R. A., Fliszar, R., & Bhattacharya, A. (2011). Elective Cesarean births: Are women making emancipated decisions? *Applied Nursing Eesearch*, 24(3), 147–152.
- Wittmann-Price, R.A. & Fisher, K.M. (2009). Patient Decision Aids: Tools for patients and professionals. *The American Journal of Nursing*, 109(12), 60–64.
- Wittmann-Price, R. A. & Bhattacharya, A. (2008). Reexploring the subconcepts of the Wittmann-Price Theory of Emancipated Decision-making in Women's Healthcare. *Advances in Nursing Science*, 31(3), 225–236.
- Wittmann-Price, R. A. (2006). Exploring the subconcepts of the Wittmann-Price Theory of Emancipated Decision-making in Women's Health Care. *Journal of Nursing Scholarship*. 38(4), 377–382.

Readiness for enhanced emancipated decision-making (00243)

- Stepanuk, K.M. (2011). Women's decision-making regarding medication use in pregnancy for anxiety and/or depression. Philadelphia, PA: Drexel University, College of Nursing Health Professions, Doctor of Nursing Practice Program.
- Wittmann-Price, R. A., Fliszar, R., & Bhattacharya, A. (2011). Elective Cesarean births: Are women making emancipated decisions? *Applied Nursing Eesearch*, 24(3), 147–152.
- Wittmann-Price, R.A. & Fisher, K.M. (2009). Patient Decision Aids: Tools for patients and professionals. *The American Journal of Nursing*, 109(12), 60–64.
- Wittmann-Price, R. A. & Bhattacharya, A. (2008). Reexploring the subconcepts of the Wittmann-Price Theory of Emancipated Decision-making in Women's Healthcare. *Advances in Nursing Science*, 31(3), 225–236.
- Wittmann-Price, R. A. (2006). Exploring the subconcepts of the Wittmann-Price Theory of Emancipated Decision-making in Women's Health Care. *Journal of Nursing Scholarship*. 38(4), 377–382.

Moral distress (00175)

- Audi, R. (1999). *The Cambridge dictionary of philosophy* (2nd ed.). New York: Cambridge University Press.
- Beauchamp, T.L. & Childress, J.F. (2001). *Principles of biomedical ethics* (5th ed.). New York: Oxford University Press.
- Berger, M.C., Seversen, A., & Chvatal, R. (1991). Ethical issues in nursing. *Western Journal of Nursing Research*, 13(4), 514–521.
- Burkhardt, M.A. & Nathaniel, A.K. (2002). *Ethics & Issues in Contemporary Nursing*. Albany, NY: Delmar.

- Canadian Nurses' Association (2002). Code of ethics for registered nurses. Ottawa, ON: Canadian Nurses' Association.
- Corley, M.C, Elswick, R.K, Gorman, M., Clor, & T. (2001). Development and evaluation of a moral distress scale. *Journal of Advanced Nursing*, 33(2), 250–256.
- Ferrell, B.R. & Rivera, (L.M. 1995). Ethical decision making in oncology. *Cancer Practice*, 3(2), 94–99.
- Fry, S.T. & Duffy, M.E. (2001). The development and psychometric evaluation of the ethical issues scale. *Image: Journal of Nursing Scholarship*, 33(3), 273–277.
- Gwin, R.R. & Richters, J.E. (1998). Selected ethical issues in cancer care. In: Itano, J., & Taoka, K. (Eds.), *Core curriculum for oncology nurses* (3rd ed.). Philadelphia, PA: WB Saunders.
- Jameton, A. (1984). *Nursing Practice: The ethical issues*. Englewood Cliffs, NJ: Prentice-Hall.
- Jameton, A. (1993). Dilemmas of moral distress: Moral responsibility and nursing practice. *AWHONN's Clinical Issues in Perinatal & Women's Health Nursing*, 4(4), 542–551.
- Kopala, B. & Burkhart, L. (2005). Ethical dilemma and moral distress: Proposed new NANDA diagnoses. *International Journal of Nursing Terminologies and Classifications*, 16(1), 3–13.
- McGee, G., Spanogle, J.P., Caplan, A.L., & Asch, D.A. (2001). A national study of ethics committees. *American Journal of Bioethics*, 1(4), 60–64.
- Moore, M.L. (2000). Ethical issues for nurses providing perinatal care in community settings. *Journal of Perinatal & Neonatal Nursing*, 14(2), 25–35.
- Omery, A., Henneman, E., Billet, B., Luna-Raines, M., & Brown-Saltzman, K. (1995). Ethical issues in hospital-based nursing practice. *Journal of Cardiovascular Nursing*, 9(3), 43–53.

Impaired religiosity (00169)

- Bellingham, R., Cohen, B., Jones, T, Spaniol, L. (1989). Connectedness: Some skills for spiritual health. *American Journal of Health Promotion*, 4(1), 18–24.
- Bergan, A. & McConatha, J. T. (2000). Religiosity and life satisfaction. *Activities, Adaptation & Aging*, 24(3), 23–34.
- Besthorn, F. H. (2001). Transpersonal psychology and deep ecological philosophy: Exploring linkages and applications for social work, *Social Thought*, 20(1/2), 23–44.
- Burkhardt, M. A., (1989). Spirituality: An analysis of the concept. *Holistic Nursing Practice*, 3(3), 69–77.
- Burkhardt, M. A. (1994). Environmental connections and reawakened spirit. In E. A. Schuster & C. L. Brown (eds.) *Exploring Our Environmental Connections*, New York: National League for Nursing.
- Burkhart, L. & Solari-Twadell, P.A. (2001). Spirituality and Religiousness: Differentiating the diagnosis through a review of the nursing literature. *Nursing Diagnosis: The International Journal of Nursing Language and Classification*, 12(2), 45–54.
- Carroll, M. M. (2001). Conceptual models of spirituality. *Social Thought*, 20(1/2), 5–21.
- Carson, V. B., Winkelstein, M. Soeken, K. & Bruinins, M. (1986). The effect of didactic teaching on spiritual attitudes, *Image: Journal of Nursing Scholarship*, 18(4), 161–164.
- Charnes, L. S. & Moore, P. S. (1992). Meeting patients' spiritual needs. The Jewish perspective. *Holistic Nursing Practice*, 6(3), 64–72.

- Chatters, L. M., Taylor, R. J., & Lincoln, K. D. (2001). Advances in the measurement of religiosity among older African Americans: Implications for health and mental health researchers. *Journal of Mental Health and Aging*, 7(1), 181–200.
- Dudley, J. R., Smith, C., & Millison, M. B. (1995). Unfinished business: Assessing the spiritual needs of hospice clients. *The American Journal of Hospice & Palliative Care*, 12(2), 30–37.
- Durienz, B., Luyten, P., Snauwaert, B., & Hutsebaut, D. (2002). The importance of religiosity and values in predicting political attitudes: Evidence for the continuing importance of religiosity in Flanders (Belgium). *Mental Health, Religion, & Culture*, 5(1), 35–54.
- Fahlberg, L., Wolfer, J. & Fahlberg, L. A. (1992). Personal crisis: Growth or pathology? *Health Promotion*, 7(1), 45–52.
- Fehring, R. J., Brennan, P. F., & Keller, M. L. (1987). Psychological and spiritual well-being in college students. *Research in Nursing & Health*, 10, 391–398.
- Freeman, D. R., (2001). The relationship between spiritual development and ethnicity in violent men. *Social Thought*, 20(1/2), 95–107.
- Fry, P. S. (2000). Religious involvement, spirituality and personal meaning for life: existential predictors of psychological wellbeing in community-residing and institutional care elders. *Aging & Mental Health*, 4(4), 375–387.
- Haase, J. El, Britt, T., Copward, D.D., Leidy, N.K. & Penn, P.E. (1992). Simultaneous Concept Analysis of Spiritual Perspective, Hope, Acceptance, and Self-transcendence, *Image*, 24(2), 141–147.
- Hover-Kramer, D. (1989). Creating a context for self-healing: The transpersonal perspective. *Holistic Nursing Practice*, 3(3), 27–34.
- Labun, E. (1988). Spiritual care: An element in nursing care planning. *Journal of Advanced Nursing*, 13(3), 314–320.
- Maltby, J. & Day, L. (2002). Religious experience, religious orientation and schizotypy. *Mental Health, Religion & Culture*. 5(2), 163–174.
- Mansen, T. J. (1993). The spiritual dimension of individuals: Conceptual development. *Nursing Diagnosis*, 4(4), 140–147.
- Mayer, J. (1992). Wholly responsible for a part, or partly responsible for a whole? The concept of spiritual care in nursing. *Second Opinion*, 17(3), 26–55.
- Mickley, J. R., Soeken, K., & Belcher, A. (1992) Spiritual Well-being, religiousness and hope among women with breast cancer. *Image: Journal of Nursing Scholarship*, 24(4), 267–336.
- Moberg, D. O. (1984). Subjective Measures of Spiritual Well-being. *Review of Religious Research*, 25(4), 351–364.
- Nagai-Jacobson, M. G. & Burkhardt, M. A. (1989). Spirituality: Cornerstone of holistic nursing practice. *Holistic Nursing Practice*, 3(3), 18–26.
- Narayanasamy, A. (1996). Spiritual care of chronically ill patients. *British Journal of Nursing*, 5(7).
- Pullen, L, Modrcin-Talbott, M. A., West, W. R., & Muenchen, R. (1999). Spiritual high vs high on spirits: Is religiosity related to adolescent alcohol and drug abuse? *Journal of Psychiatric and Mental Health Nursing*: 6, 3–8.
- Reed, P. G. (1987). Spirituality and well-being in terminally ill hospitalized adults. *Research in nursing & health*, 10(5), 335–344.
- Reed, P. G. (1991). Preferences for spiritually related nursing interventions among terminally ill and on terminally ill hospitalized adults and well adults. *Applied Nursing Research*, 4(3), 122–128.

- Reed, P. G. (1992). An emerging paradigm for the investigation of spirituality in nursing. *Research in Nursing and Health*, 15(5), 349–357.
- Siddle, R., Haddock, G., Tarrier, & Faragher, E. B. (2002). The validation of a religiosity measure for individuals with schizophrenia. *Mental Health, Religion & Culture*, 5(3), 267–284.
- Stolley, J. M., Buckwalter, K. C., Koenig, H. G. (1999). Prayer and religious coping for caregivers of persons with Alzheimer's disease and related disorders. *American Journal of Alzheimer's Disease*, 14(3), 181–191.
- Thomas, S. A. (1989). Spirituality: An essential dimension in the treatment of hypertension, *Holistic Nursing Practice*, 3(3), 47–55.
- Watson, J. (1994). A Frog, a rock, a ritual: Myth, mystery, and metaphors for an ecocaring cosmology in a universe that is turning over. In E. A. Schuster & C. L. Brown (Eds.) *Exploring Our Environmental Connections*, New York: National League for Nursing.
- Whitfield, W. (2002). Research in religion and mental health: Naming of parts—some reflections. *The International Journal of Psychiatric Nursing Research*, 8(1), 891–896.

Risk for impaired religiosity (00170)

- Bellingham, R., Cohen, B., Jones, T., Spaniol, L. (1989). Connectedness: Some skills for spiritual health. *American Journal of Health Promotion*, 4(1), 18–24.
- Bergan, A. & McConatha, J. T. (2000). Religiosity and life satisfaction. *Activities, Adaptation & Aging*, 24(3), 23–34.
- Besthorn, F. H. (2001). Transpersonal psychology and deep ecological philosophy: Exploring linkages and applications for social work, *Social Thought*, 20(1/2), 23–44.
- Burkhardt, M. A., (1989). Spirituality: An analysis of the concept. *Holistic Nursing Practice*, 3(3), 69–77.
- Burkhardt, M. A. (1994). Environmental connections and reawakened spirit. In E. A. Schuster & C. L. Brown (eds.) *Exploring Our Environmental Connections*, New York: National League for Nursing.
- Burkhart, L. & Solari-Twadell, P.A. (2001). Spirituality and Religiousness: Differentiating the diagnosis through a review of the nursing literature. *Nursing Diagnosis: The International Journal of Nursing Language and Classification*, 12(2), 45–54.
- Carroll, M. M. (2001). Conceptual models of spirituality. *Social Thought*, 20(1/2), 5–21.
- Carson, V. B., Winkelstein, M. Soeken, K. & Bruinins, M. (1986). The effect of didactic teaching on spiritual attitudes, *Image: Journal of Nursing Scholarship*, 18(4), 161–164.
- Charnes, L. S. & Moore, P. S. (1992). Meeting patients' spiritual needs. The Jewish perspective. *Holistic Nursing Practice*, 6(3), 64–72.
- Chatters, L. M., Taylor, R. J., & Lincoln, K. D. (2001). Advances in the measurement of religiosity among older African Americans: Implications for health and mental health researchers. *Journal of Mental Health and Aging*, 7(1), 181–200.
- Dudley, J. R., Smith, C., & Millison, M. B. (1995). Unfinished business: Assessing the spiritual needs of hospice clients. *The American Journal of Hospice & Palliative Care*, 12(2), 30–37.
- Durienz, B., Luyten, P., Snauwaert, B., & Hutsebaut, D. (2002). The importance of religiosity and values in predicting political attitudes: Evidence for the continuing importance of religiosity in Flanders (Belgium). *Mental Health, Religion, & Culture*, 5(1), 35–54.

- Fahlberg, L., Wolfer, J. & Fahlberg, L. A. (1992). Personal crisis: Growth or pathology? *Health Promotion*, 7(1), 45–52.
- Fehring, R. J., Brennan, P. F., & Keller, M. L. (1987). Psychological and spiritual well-being in college students. *Research in Nursing & Health*, 10, 391–398.
- Freeman, D. R., (2001). The relationship between spiritual development and ethnicity in violent men. *Social Thought*, 20(1/2), 95–107.
- Fry, P. S. (2000). Religious involvement, spirituality and personal meaning for life: existential predictors of psychological wellbeing in community-residing and institutional care elders. *Aging & Mental Health*, 4(4), 375–387.
- Haase, J. El, Britt, T., Copward, D.D., Leidy, N.K. & Penn, P.E. (1992). Simultaneous Concept Analysis of Spiritual Perspective, Hope, Acceptance, and Self-transcendence. *Image*, 24(2), 141–147.
- Hover-Kramer, D. (1989). Creating a context for self-healing: The transpersonal perspective. *Holistic Nursing Practice*, 3(3), 27–34.
- Labun, E. (1988). Spiritual care: An element in nursing care planning. *Journal of Advanced Nursing*, 13(3), 314–320.
- Maltby, J. & Day, L. (2002). Religious experience, religious orientation and schizotypy. *Mental Health, Religion & Culture*. 5(2), 163–174.
- Mansen, T. J. (1993). The spiritual dimension of individuals: Conceptual development. *Nursing Diagnosis*, 4(4), 140–147.
- Mayer, J. (1992). Wholly responsible for a part, or partly responsible for a whole? The concept of spiritual care in nursing. *Second Opinion*, 17(3), 26–55.
- Mickley, J. R., Soeken, K., & Belcher, A. (1992) Spiritual Well-being, religiousness and hope among women with breast cancer. *Image: Journal of Nursing Scholarship*, 24 (4), 267–336.
- Moberg, D. O. (1984). Subjective Measures of Spiritual Well-being. *Review of Religious Research*, 25(4), 351–364.
- Nagai-Jacobson, M. G. & Burkhardt, M. A. (1989). Spirituality: Cornerstone of holistic nursing practice. *Holistic Nursing Practice*, 3(3), 18–26.
- Narayanasamy, A. (1996). Spiritual care of chronically ill patients. *British Journal of Nursing*, 5(7).
- Pullen, L, Modrcin-Talbott, M. A., West, W. R., & Muenchen, R. (1999). Spiritual high vs high on spirits: Is religiosity related to adolescent alcohol and drug abuse? *Journal of Psychiatric and Mental Health Nursing*: 6, 3–8.
- Reed, P. G. (1987). Spirituality and well-being in terminally ill hospitalized adults. *Research in nursing & health*, 10(5), 335–344.
- Reed, P. G. (1991). Preferences for spiritually related nursing interventions among terminally ill and on terminally ill hospitalized adults and well adults. *Applied Nursing Research*, 4(3), 122–128.
- Reed, P. G. (1992). An emerging paradigm for the investigation of spirituality in nursing. *Research in Nursing and Health*, 15(5), 349–357.
- Siddle, R., Haddock, G., Tarrier, & Faragher, E. B. (2002). The validation of a religiosity measure for individuals with schizophrenia. *Mental Health, Religion & Culture*, 5(3), 267–284.
- Stolley, J. M, Buckwalter, K. C., Koenig, H. G. (1999). Prayer and religious coping for caregivers of persons with Alzheimer's disease and related disorders. *American Journal of Alzheimer's Disease*, 14(3), 181–191.
- Thomas, S. A. (1989). Spirituality: An essential dimension in the treatment of hypertension, *Holistic Nursing Practice*, 3(3), 47–55.
- Watson, J. (1994). A Frog, a rock, a ritual: Myth, mystery, and metaphors for an ecocaring cosmology in a universe that

is turning over. In E. A. Schuster & C. L. Brown (Eds.) *Exploring Our Environmental Connections*, New York: National League for Nursing.

Whitfield, W. (2002). Research in religion and mental health: Naming of parts—some reflections. *The International Journal of Psychiatric Nursing Research*, 8(1), 891–896.

Readiness for enhanced religiosity (00171)

Bellingham, R., Cohen, B., Jones, T., Spaniol, L. (1989). Connectedness: Some skills for spiritual health. *American Journal of Health Promotion*, 4(1), 18–24.

Bergan, A. & McConatha, J. T. (2000). Religiosity and life satisfaction. *Activities, Adaptation & Aging*, 24(3), 23–34.

Besthorn, F. H. (2001). Transpersonal psychology and deep ecological philosophy: Exploring linkages and applications for social work, *Social Thought*, 20(1/2), 23–44.

Burkhardt, M. A., (1989). Spirituality: An analysis of the concept. *Holistic Nursing Practice*, 3(3), 69–77.

Burkhardt, M. A. (1994). Environmental connections and reawakened spirit. In E. A. Schuster & C. L. Brown (eds.) *Exploring Our Environmental Connections*, New York: National League for Nursing.

Burkhart, L. & Solari-Twadell, P.A. (2001). Spirituality and Religiousness: Differentiating the diagnosis through a review of the nursing literature. *Nursing Diagnosis: The International Journal of Nursing Language and Classification*, 12(2), 45–54.

Carroll, M. M. (2001). Conceptual models of spirituality. *Social Thought*, 20(1/2), 5–21.

Carson, V. B., Winkelstein, M. Soeken, K. & Bruinins, M. (1986). The effect of didactic teaching on spiritual attitudes, *Image: Journal of Nursing Scholarship*, 18(4), 161–164.

Charnes, L. S. & Moore, P. S. (1992). Meeting patients' spiritual needs. The Jewish perspective. *Holistic Nursing Practice*, 6(3), 64–72.

Chatters, L. M., Taylor, R. J., & Lincoln, K. D. (2001). Advances in the measurement of religiosity among older African Americans: Implications for health and mental health researchers. *Journal of Mental Health and Aging*, 7(1), 181–200.

Dudley, J. R., Smith, C., & Millison, M. B. (1995). Unfinished business: Assessing the spiritual needs of hospice clients. *The American Journal of Hospice & Palliative Care*, 12(2), 30–37.

Durienz, B., Luyten, P., Snauwaert, B., & Hutsebaut, D. (2002). The importance of religiosity and values in predicting political attitudes: Evidence for the continuing importance of religiosity in Flanders (Belgium). *Mental Health, Religion, & Culture*, 5(1), 35–54.

Fahlberg, L., Wolfer, J. & Fahlberg, L. A. (1992). Personal crisis: Growth or pathology? *Health Promotion*, 7(1), 45–52.

Fehring, R. J., Brennan, P. F., & Keller, M. L. (1987). Psychological and spiritual well-being in college students, *Research in Nursing & Health*, 10, 391–398.

Freeman, D. R., (2001). The relationship between spiritual development and ethnicity in violent men. *Social Thought*, 20(1/2), 95–107.

Fry, P. S. (2000). Religious involvement, spirituality and personal meaning for life: existential predictors of psychological wellbeing in community-residing and institutional care elders. *Aging & Mental Health*, 4(4), 375–387.

- Haase, J. El, Britt, T., Copward, D.D., Leidy, N.K. & Penn, P.E. (1992). Simultaneous Concept Analysis of Spiritual Perspective, Hope, Acceptance, and Self-transcendence, *Image*, 24(2), 141–147.
- Hover-Kramer, D. (1989). Creating a context for self-healing: The transpersonal perspective. *Holistic Nursing Practice*, 3(3), 27–34.
- Labun, E. (1988). Spiritual care: An element in nursing care planning. *Journal of Advanced Nursing*, 13(3), 314–320.
- Maltby, J. & Day, L. (2002). Religious experience, religious orientation and schizotypy. *Mental Health, Religion & Culture*, 5(2), 163–174.
- Mansen, T. J. (1993). The spiritual dimension of individuals: Conceptual development. *Nursing Diagnosis*, 4(4), 140–147.
- Mayer, J. (1992). Wholly responsible for a part, or partly responsible for a whole? The concept of spiritual care in nursing. *Second Opinion*, 17(3), 26–55.
- Mickley, J. R., Soeken, K., & Belcher, A. (1992) Spiritual Well-being, religiousness and hope among women with breast cancer. *Image: Journal of Nursing Scholarship*, 24 (4), 267–336.
- Moberg, D. O. (1984). Subjective Measures of Spiritual Well-being. *Review of Religious Research*, 25(4), 351–364.
- Nagai-Jacobson, M. G. & Burkhardt, M. A. (1989). Spirituality: Cornerstone of holistic nursing practice. *Holistic Nursing Practice*, 3(3), 18–26.
- Narayanasamy, A. (1996). Spiritual care of chronically ill patients. *British Journal of Nursing*, 5(7).
- Pullen, L, Modrcin-Talbott, M. A., West, W. R., & Muenchen, R. (1999). Spiritual high vs high on spirits: Is religiosity related to adolescent alcohol and drug abuse? *Journal of Psychiatric and Mental Health Nursing*: 6, 3–8.
- Reed, P. G. (1987). Spirituality and well-being in terminally ill hospitalized adults. *Research in nursing & health*, 10(5), 335–344.
- Reed, P. G. (1991). Preferences for spiritually related nursing interventions among terminally ill and on terminally ill hospitalized adults and well adults. *Applied Nursing Research*, 4(3), 122–128.
- Reed, P. G. (1992). An emerging paradigm for the investigation of spirituality in nursing. *Research in Nursing and Health*, 15(5), 349–357.
- Siddle, R., Haddock, G., Tarrier, & Faragher, E. B. (2002). The validation of a religiosity measure for individuals with schizophrenia. *Mental Health, Religion & Culture*, 5(3), 267–284.
- Stolley, J. M, Buckwalter, K. C., Koenig, H. G. (1999). Prayer and religious coping for caregivers of persons with Alzheimer's disease and related disorders. *American Journal of Alzheimer's Disease*, 14(3), 181–191.
- Thomas, S. A. (1989). Spirituality: An essential dimension in the treatment of hypertension, *Holistic Nursing Practice*, 3(3), 47–55.
- Watson, J. (1994). A Frog, a rock, a ritual: Myth, mystery, and metaphors for an ecocaring cosmology in a universe that is turning over. In E. A. Schuster & C. L. Brown (Eds.) *Exploring Our Environmental Connections*, New York: National League for Nursing.
- Whitfield, W. (2002). Research in religion and mental health: Naming of parts–some reflections. *The International Journal of Psychiatric Nursing Research*, 8(1), 891–896.

Spiritual distress (00066)

- Aktar, S. & Barlow, J. (2018). Forgiveness therapy for the promotion of mental well-being: A systematic review and meta-analysis. *Trauma, Violence, & Abuse*, 19, 107–122.
- Barnes, D. V. (2015). Processes and Outcomes of Theistic Spiritually Oriented Psychotherapy: A Practice-Based Evidence Investigation. *Spirituality in Clinical Practice*, 2, 180–190.
- Caldeira, S., Carvalho, E. C. de, & Vieira, M. (2014). Between spiritual wellbeing and spiritual distress: possible related factors in elderly patients with cancer. *Revista Latino-Americana de Enfermagem*, 22(1), 28–34. doi:10.1590/0104-1169.3073.2382
- Caldeira, S., Carvalho, E. C., & Vieira, M. (2013). Spiritual distress—Proposing a new definition and defining characteristic. *International Journal of Nursing Knowledge*, 24, 77–84.
- Caldeira, S., Timmins, F., de Carvalho, E. C., & Vieira, M. (2015). Clinical Validation of the Nursing Diagnosis Spiritual Distress in Cancer Patients Undergoing Chemotherapy. *International Journal of Nursing Knowledge*, 28(1), 44–52. doi:10.1111/2047-3095.12105
- Caldeira, S., Timmins, F., de Carvalho, E. C., & Vieira, M. (2016). Nursing Diagnosis of “Spiritual Distress” in Women With Breast Cancer. *Cancer Nursing*, 39(4), 321–327. doi:10.1097/ncc.0000000000000310
- Kwan, C. W.M., Chan, C.W.H., & Choi, K.C. (2019). The effectiveness of a nurse-led short term life review intervention in enhancing the spiritual and psychological well-being of people receiving palliative care: A mixed method study. *International Journal of Nursing Studies*, 91, 134–143.
- Martins, H., & Caldeira, S. (2018). Spiritual Distress in Cancer Patients: A Synthesis of Qualitative Studies. *Religions*, 9(10), 285. doi:10.3390/rel9100285
- Martins, H., & Caldeira, S. (2018). Spiritual Distress in Cancer Patients: A Synthesis of Qualitative Studies. *Religions*, 9(10), 285. doi:10.3390/rel9100285
- Neto, G. L., Rodrigues, L., da Silva, D.A.R., Turato, E.R., & Campos, C.J.G. (2018). Spirituality review on mental health and psychiatric nursing. *Mental Health*, 71, 2323–33. DOI: <http://dx.doi.org/10.1590/0034-7167-2016-0429>
- Recine, A. (2015). Designing forgiveness interventions: Guidance from five meta-analyses. *Journal of Holistic Nursing*, 33, 161–167.
- Romeiro J, Caldeira S, Brady V, Hall J, Timmins F. The Spiritual Journey of Infertile Couples: Discussing the Opportunity for Spiritual Care. *Religions*. 2017;8(4):76.
- Romeiro J, Caldeira S, Brady V, Timmins F, Hall J. Spiritual aspects of living with infertility: A synthesis of qualitative studies. *Journal of Clinical Nursing*. 2017;26:3917–35.
- Romeiro J, Caldeira S. A qualitative systematic review of the human responses of those living with infertility: implications for nursing diagnoses. *International Journal of Nursing*
- Roze des Ordon, A. L., Sinuff, T., Stelfox, H. T., Kondejewski, J., & Sinclair, S. (2018). Sanders, P. W., Richards, P. S., McBride, J. A., Lea, T., Young, B., Hardman, R. K., & Simão, T. P., Chaves, E.C. L., & Lunes, D. H. (2015). Spiritual distress: the search for new evidence. *J. Res.: Fundamental Care*, 7, 2591–2602 doi:10.9789/21755361.2015.v7i2.2591-2602 Spiritual Distress Within Inpatient Settings-A Scoping Review of Patients' and Families' Experiences. *Journal of Pain & Symptom Management*, 56, 122–145.

- Velosa, T., Caldeira, S., & Capelas, M. (2017). Depression and Spiritual Distress in Adult Palliative Patients: A Cross-Sectional Study. *Religions*, 8(8), 156. doi:10.3390/rel8080156
- Wang, Chong-W., Chow, A. Y. M., Chan, & C. L. W. (2017). The effects of life review interventions on spiritual well-being, psychological distress, and quality of life in patients with terminal or advanced cancer: A systematic review and meta-analysis of randomized controlled trials. *Palliative Medicine*, 31, 883–894. Knowledge. 2018; doi:10.1111/2047–3095.12223

Risk for spiritual distress (00067)

- Aktar, S. & Barlow, J. (2018). Forgiveness therapy for the promotion of mental well-being: A systematic review and meta-analysis. *Trauma, Violence, & Abuse*, 19, 107–122.
- Barnes, D. V. (2015). Processes and Outcomes of Theistic Spiritually Oriented Psychotherapy: A Practice-Based Evidence Investigation. *Spirituality in Clinical Practice*, 2, 180–190.
- Caldeira, S., Carvalho, E. C. de, & Vieira, M. (2014). Between spiritual wellbeing and spiritual distress: possible related factors in elderly patients with cancer. *Revista Latino-Americana de Enfermagem*, 22(1), 28–34. doi:10.1590/0104–1169.3073.2382
- Caldeira, S., Carvalho, E. C., & Vieira, M. (2013). Spiritual distress—Proposing a new definition and defining characteristic. *International Journal of Nursing Knowledge*, 24, 77–84.
- Caldeira, S., Timmins, F., de Carvalho, E. C., & Vieira, M. (2015). Clinical Validation of the Nursing Diagnosis Spiritual Distress in Cancer Patients Undergoing Chemotherapy. *International Journal of Nursing Knowledge*, 28(1), 44–52. doi:10.1111/2047–3095.12105
- Caldeira, S., Timmins, F., de Carvalho, E. C., & Vieira, M. (2016). Nursing Diagnosis of “Spiritual Distress” in Women With Breast Cancer. *Cancer Nursing*, 39(4), 321–327. doi:10.1097/ncc.0000000000000310
- Kwan, C. W.M., Chan, C.W.H., & Choi, K.C. (2019). The effectiveness of a nurse-led short term life review intervention in enhancing the spiritual and psychological well-being of people receiving palliative care: A mixed method study. *International Journal of Nursing Studies*, 91, 134–143.
- Martins, H., & Caldeira, S. (2018). Spiritual Distress in Cancer Patients: A Synthesis of Qualitative Studies. *Religions*, 9(10), 285. doi:10.3390/rel9100285
- Martins, H., & Caldeira, S. (2018). Spiritual Distress in Cancer Patients: A Synthesis of Qualitative Studies. *Religions*, 9(10), 285. doi:10.3390/rel9100285
- Neto, G. L., Rodrigues, L., da Silva, D.A.R., Turato, E.R., & Campos, C.J.G. (2018). Spirituality review on mental health and psychiatric nursing. *Mental Health*, 71, 2323–33. DOI: <http://dx.doi.org/10.1590/0034-7167-2016-0429>
- Recine, A. (2015). Designing forgiveness interventions: Guidance from five meta-analyses. *Journal of Holistic Nursing*, 33, 161–167.
- Romeiro J, Caldeira S, Brady V, Hall J, Timmins F. The Spiritual Journey of Infertile Couples: Discussing the Opportunity for Spiritual Care. *Religions*. 2017;8(4):76.
- Romeiro J, Caldeira S, Brady V, Timmins F, Hall J. Spiritual aspects of living with infertility: A synthesis of qualitative studies. *Journal of Clinical Nursing*. 2017;26:3917–35.

- Romeiro J, Caldeira S. A qualitative systematic review of the human responses of those living with infertility: implications for nursing diagnoses. *International Journal of Nursing Knowledge*. 2018; doi:10.1111/2047-3095.12223
- Roze des Ordon, A. L., Sinuff, T., Stelfox, H. T., Kondejewski, J., & Sinclair, S. (2018).
- Sanders, P. W., Richards, P. S., McBride, J. A., Lea, T., Young, B., Hardman, R. K., & Simão, T. P., Chaves, E.C. L., & Lunes, D. H. (2015). Spiritual distress: the search for new evidence. *J. Res.: Fundamental Care*, 7, 2591–2602 doi:10.9789/21755361.2015.v7i2.2591–2602
- Spiritual Distress Within Inpatient Settings-A Scoping Review of Patients' and Families' Experiences. *Journal of Pain & Symptom Management*, 56, 122–145.
- Velosa, T., Caldeira, S., & Capelas, M. (2017). Depression and Spiritual Distress in Adult Palliative Patients: A Cross-Sectional Study. *Religions*, 8(8), 156. doi:10.3390/rel8080156
- Wang, Chong-W., Chow, A. Y. M., Chan, & C. L. W. (2017). The effects of life review interventions on spiritual well-being, psychological distress, and quality of life in patients with terminal or advanced cancer: A systematic review and meta-analysis of randomized controlled trials. *Palliative Medicine*, 31, 883–894.

11 Domain 11. Safety/protection

11.1 Class 1. Infection

Risk for infection (00004)

- Adams, N. L., Rose, T. C., Hawker, J., Violato, M., O'Brien, S. J., Barr, B., Howard, V.J. K., Whitehead, M., Harris, R., & Taylor-Robinson, D. C. (2018). Relationship between socioeconomic status and gastrointestinal infections in developed countries: A systematic review and meta-analysis. *PLOS ONE*, 13(1), e0191633. doi:10.1371/journal.pone.0191633
- Adhikari, S. P., Meng, S., Wu, Y.-J., Mao, Y.-P., Ye, R.-X., Wang, Q.-Z., ... Zhou, H. (2020). Epidemiology, causes, clinical manifestation and diagnosis, prevention and control of coronavirus disease (COVID-19) during the early outbreak period: a scoping review. *Infectious Diseases of Poverty*, 9(1). doi:10.1186/s40249-020-00646-x
- Albright AE, Allen RS. HPV Misconceptions Among College Students: The Role of Health Literacy. *J Community Health*. 2018;43(6):1192–1200. doi:10.1007/s10900-018-0539-4
- Araujo, A.B.S., Dantas, J. C., Souza, F. M.L.C., Silva, B.C.O., Santos, W.N., & Sena, D.T. A. (2019). Occurrence of possessional surgical site infections in a public maternity. *Enferm. actual Costa Rica (Online)* ; (37), 16–29,
- Atkins L, Sallis A, Chadborn T, et al. Reducing catheter-associated urinary tract infections: a systematic review of barriers and facilitators and strategic behavioural analysis of interventions. *Implement Sci*. 2020;15(1):44. Published 2020 Jul 6. doi:10.1186/s13012-020-01001-2
- Aw JYH, Clarke NE, McCarthy JS, et al. *Giardia duodenalis* infection in the context of a community-based deworming and water, sanitation and hygiene trial in Timor-Leste. *Parasit Vectors*. 2019;12(1):491. Published 2019 Oct 18. doi:10.1186/s13071-019-3752-9
- Bastos, S.H., Taminato, M., Fernandes, H., Figueiredo, T.M.R.M., Nichiata, L.Y.I., & Hino, P. (2019). Sociodemographic and health profile of TB/HIV co-infection in Brazil: a systematic review. *Rev Bras Enferm*. 2019;72(5):1389–96. doi:10.1590/0034-7167-2018-0285
- Bediako-Bowan A, Owusu E, Debrah S, et al. Surveillance of surgical site infection in a teaching hospital in Ghana: a prospective cohort study. *J Hosp Infect*. 2020;104(3):321–327. doi:10.1016/j.jhin.2020.01.004
- Carling, P. C. (2016). Optimizing Health Care Environmental Hygiene. *Infectious Disease Clinics of North America*, 30(3), 639–660. doi:10.1016/j.idc.2016.04.010
- Castro-Sánchez E, Chang PWS, Vila-Candel R, Escobedo AA, Holmes AH. Health literacy and infectious diseases: why does it matter?. *Int J Infect Dis*. 2016;43:103–110. doi:10.1016/j.ijid.2015.12.019
- Cholapranee, A., & Ananthakrishnan, A. N. (2016). Environmental Hygiene and Risk of Inflammatory Bowel Diseases. *Inflammatory Bowel Diseases*, 22(9), 2191–2199. doi:10.1097/mib.0000000000000852
- Coltart, C. E. M., Lindsey, B., Ghinai, I., Johnson, A. M., & Heymann, D. L. (2017). The Ebola outbreak, 2013–2016: old lessons for new epidemics. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 372(1721), 20160297. doi:10.1098/rstb.2016.0297

- Crichton, J., Hickman, M., Campbell, R., Batista-Ferrer, H., & Macleod, J. (2015). Socioeconomic factors and other sources of variation in the prevalence of genital chlamydia infections: A systematic review and meta-analysis. *BMC Public Health*, 15, 729. doi:10.1186/s12889-015-2069-7
- D'Mello-Guyett L, Gallandat K, Van den Bergh R, et al. Prevention and control of cholera with household and community water, sanitation and hygiene (WASH) interventions: A scoping review of current international guidelines. *PLoS One*. 2020;15(1): e0226549. Published 2020 Jan 8. doi:10.1371/journal.pone.0226549
- Degarege, A., Fennie, K., Degarege, D., Chennupati, S., & Madhivanan, P. (2019). Improving socioeconomic status may reduce the burden of malaria in sub Saharan Africa: A systematic review and meta-analysis. *PLOS ONE*, 14(1), e0211205. doi:10.1371/journal.pone.0211205
- Dias, J.A., Cerutti Júnior, C., & Falqueto, A. (2014). Factors associated with hepatitis B virus infection: a case control study in São Mateus-ES. *Epidemiol. Serv. Saúde, Brasília*, 23(4), 683–690. doi:10.5123/S1679-49742014000400010
- Durrant LA, Taylor J, Thompson H, Usher K, Jackson D. Health literacy in pressure injury: Findings from a mixed-methods study of community-based patients and carers. *Nurs Health Sci* 2019; 21(1): 37–43.
- Eikenberry SE, Mancuso M, Iboi E, et al. To mask or not to mask: Modeling the potential for face mask use by the general public to curtail the COVID-19 pandemic. *Infect Dis Model*. 2020;5:293–308. Published 2020 Apr 21. doi:10.1016/j.idm.2020.04.001
- Engle-AStone, R., Aaron G.J., Huang, J., Wirth J.P., Namaste, S.M.L., Williams, A.M., Peerson J.M., Rohner, F., Varadhan, R., Addo, O.Y., Temple, V., Rayco-Solon, P., Macdonald B., & Schdev, P.S. (2017). Predictors of Anemia in Preschool Children: Biomarkers Reflecting Inflammation and Nutritional Determinants of Anemia (BRINDA) Project. *Am J Clin Nutr*, 106(Suppl 1), 402S-415S. doi: 10.3945/ajcn.116.142323.
- Espejo E, Andrés M, Borralló RM, Padilla E et al. Bacteremia associated with pressure ulcers: a prospective cohort study. *Eur J Clin Microbiol Infect Dis* 2018; 37(5): 969–75.
- Faleiros F, Käppler CO, Rosa T, et al. Intermittent Catheterization and Urinary Tract Infection - A Comparative Study Between Germany and Brazil. *J Wound Ostomy Continence Nurs*. 2018; 45(6):521–526.
- Fioravante, F. F., & Queluci, G.C. (2016). The risk factors of urinary tract infection in pregnancy: an integrative review. *Revista Enfermagem Atual In Derme*, 77(15), 8. doi: /10.31011/reaid-2016-v.77-n.15-art.375
- Fowler, A. J., Ahmad, T., Phull, M. K., Allard, S., Gillies, M. A., & Pearse, R. M. (2015). Meta-analysis of the association between preoperative anaemia and mortality after surgery. *British Journal of Surgery*, 102(11), 1314–1324. doi:10.1002/bjs.9861.
- Fraenkel, P. G. (2017). Anemia of Inflammation. *Medical Clinics of North America*, 101(2), 285–296. doi:10.1016/j.mcna.2016.09.005
- Frazer C, Hussey L, Bemker M. Gastrointestinal Motility Problems in Critically Ill Patients. *Critical Care Nursing Clinics of North America*, 2018; 30(1):109–121.
- Friese CR, Veenema TG, Johnson JS, Jayaraman S, Chang JC, Clever LH. Respiratory Protection Considerations for Healthcare Workers During the COVID-19 Pandemic. *Health Secur*. 2020;18(3):237–240. doi:10.1089/hs.2020.0036
- Garcell HG, Díaz CRP, Valdés AG, Socías JJP. Participación de los pacientes en la prevención de las infecciones del sitio quirúrgico / Patient Involvement if Preventing Surgical Site Infections. *Rev Cuba Cir* 2019; 58(2): e753.

- Garcês, A.X., Martinez, A.M.B, Gonçalves, C.V., Germano, F.N., Barral, M.F.M., & Vieira, V.C. (2013). Prevalence of Chlamydia trachomatis and Risk Factors associated with infections detected in endocervical sample. *Rev. Bras. Ginecol. Obstet*, 35 (8), 379–383. doi: 10.1590/S0100-72032013000800008.
- Garcia Godoy LR, Jones AE, Anderson TN, et al. Facial protection for healthcare workers during pandemics: a scoping review. *BMJ Glob Health*. 2020;5(5):e002553. doi:10.1136/bmjgh-2020-002553
- Gee C, Andreyev J, Muls A. Developing advanced clinical practice skills in gastrointestinal consequences of cancer treatment. *British Journal of Nursing*, 2018; 27(5): 237–247.
- Gomensoro E, Del Giudice G, Doherty TM. Challenges in adult vaccination. *Ann Med*. 2018;50(3):181–192. doi:10.1080/07853890.2017.1417632
- Guest JF, Fuller GW, Vowden P, Vowden KR. Cohort study evaluating pressure ulcer management in clinical practice in the UK following initial presentation in the community: costs and outcomes. *BMJ Open* 2018; 8(7): e021769.
- Guo, C., Zhou, Z., Wen, Z., Liu, Y., Zeng, C., Xiao, D., Ou, M., Han, Y., Huang S., Liu, D., Ye, X., Zou, X., Wu, J., Wang, H., Zeng, E.Y., Jing, C., & Yang, G. (2017). Global Epidemiology of Dengue Outbreaks in 1990–2015: A Systematic Review and Meta-Analysis. *Frontiers in Cellular and Infection Microbiology*, 7, 317. doi:10.3389/fcimb.2017.00317
- Hartinger, S., Lanata, C., Hattendorf, J., Verastegui, H., Gil, A., Wolf, J., & Mäusezahl, D. (2016). Improving household air, drinking water and hygiene in rural Peru: a community-randomized-controlled trial of an integrated environmental home-based intervention package to improve child health. *International Journal of Epidemiology*, 45(6), 2089–2099. doi:10.1093/ije/dyw242
- Hua, F., Xie, H., Worthington, H. V., Furness, S., Zhang, Q., & Li, C. (2016). Oral hygiene care for critically ill patients to prevent ventilator-associated pneumonia. *Cochrane Database of Systematic Reviews*. doi:10.1002/14651858.cd008367.pub3
- Karatas, H., Müller-Staub, M., & Erdemir, F. (2016). Determination of Nursing Diagnoses in Children of Agricultural Laborer Families in South Eastern Regions of Turkey. *International Journal of Nursing Knowledge*, 29(1), 29–37. doi:10.1111/2047-3095.12144
- Kirsner RS, Vivas AC. Lower-extremity ulcers: diagnosis and management. *Br J Dermatol* 2015; 173(2): 379–90.
- Kotsakis, G. A., Lian, Q., Ioannou, A. L., Michalowicz, B. S., John, M. T., & Chu, H. (2018). A network meta-analysis of interproximal oral hygiene methods in the reduction of clinical indices of inflammation. *Journal of Periodontology*, 89(5), 558–570. doi:10.1002/jper.17-0368
- Lazcano-Ponce E, Alpuche-Aranda C. Alfabetización en salud pública ante la emergencia de la pandemia por Covid-19. / [Public health literacy in the face of the Covid-19 pandemic emergency]. *Salud Publica Mex* 2020; 62(3): 331–340.
- Lee, M. K., & Binns, C. (2019). Breastfeeding and the Risk of Infant Illness in Asia: A Review. *International Journal of Environmental Research and Public Health*, 17(1), 186. doi:10.3390/ijerph17010186
- Lertpimonchai, A., Rattanasiri, S., Arj-Ong Vallibhakara, S., Attia, J., & Thakkinian, A. (2017). The association between oral hygiene and periodontitis: a systematic review and meta-analysis. *International Dental Journal*, 67(6), 332–343. doi:10.1111/idj.12317

- Li, R., Dee, D., Li, C.-M., Hoffman, H. J., & Grummer-Strawn, L. M. (2014). Breastfeeding and Risk of Infections at 6 Years. *PEDIATRICS*, 134(Supplement), S13–S20. doi:10.1542/peds.2014-0646d
- Liu M, Cheng SZ, Xu KW, et al. Use of personal protective equipment against coronavirus disease 2019 by healthcare professionals in Wuhan, China: cross sectional study. *BMJ*. 2020;369:m2195. Published 2020 Jun 10. doi:10.1136/bmj.m2195
- Martos-Cabrera MB, Mota-Romero E, Martos-García R, et al. Hand Hygiene Teaching Strategies among Nursing Staff: A Systematic Review. *Int J Environ Res Public Health*. 2019;16(17):3039. Published 2019 Aug 22. doi:10.3390/ijerph16173039
- Maurer, H., Young, B., & Bohman, S. (2020). Breast Feeding vs Bottle Feeding Effecting the Amount of Hospitalizations in the First Year. https://corescholar.libraries.wright.edu/cgi/viewcontent.cgi?article=1008&context=lake_research_symposium_abstracts
- Meddings J, Saint S, Krein SL, et al. Systematic Review of Interventions to Reduce Urinary Tract Infection in Nursing Home Residents. *J Hosp Med* 2017; 12(5): 356–368.
- Mester, A., Irimie, A. I., Tanase, A., Tranca, S., Campian, R. S., Tomuleasa, C., et al. (2020). Periodontal disease might be a risk factor for graft versus host disease. A systematic review. *Critical Reviews in Oncology/Hematology*, 102878. doi:10.1016/j.critrevonc.2020.102878
- Moffa, M., Cronk, R., Fejfar, D., Dancausse, S., Padilla, L. A., & Bartram, J. (2019). A systematic scoping review of hygiene behaviors and environmental health conditions in institutional care settings for orphaned and abandoned children. *Science of The Total Environment*, 658, 1161–1174. doi: 10.1016/j.scitotenv.2018.12.286.
- Murphree RW. Impairments in Skin Integrity. *Nurs Clin North Am*. 2017;52(3):405–417. doi:10.1016/j.cnur.2017.04.008
- Nagy, P., Kövér, K., Gera, I., & Horváth, A. (2016). Evaluation of the Efficacy of Powered and Manual Toothbrushes in Preventing Oral Diseases (Systematic Review With Meta-Analysis) *Fogorv Sz*, 109(1):3–22.
- Newman, k. L., Leon, J. S., rebolledo, p. A., & scallan, e. (2015). The impact of socioeconomic status on foodborne illness in high-income countries: a systematic review. *Epidemiology and Infection*, 143(12), 2473–2485. doi:10.1017/s0950268814003847
- Ngure, F. M., Reid, B. M., Humphrey, J. H., Mbuya, M. N., Pelto, G., & Stoltzfus, R. J. (2014). Water, sanitation, and hygiene (WASH), environmental enteropathy, nutrition, and early child development: making the links. *Annals of the New York Academy of Sciences*, 1308(1), 118–1228. doi:10.1111/nyas.12330
- Padmanabhan, H., Sia, K., Curtis, J., Ng, A., Menon, S., Luckraz, H., & Brookes, M. J. (2019). Preoperative anemia and outcomes in cardiovascular surgery: systematic review and meta-analysis. *The Annals of Thoracic Surgery*, 108(6), 1840–1848. doi:10.1016/j.athoracsur.2019.04.108
- Possas, C., Lourenço-de-Oliveira, R., Taul, P. L., Pinheiro, F. de P., Pissinatti, A., Cunha, R. V. da, ... Homma, A. (2018). Yellow fever outbreak in Brazil: the puzzle of rapid viral spread and challenges for immunisation. *Memórias Do Instituto Oswaldo Cruz*, 113(10). doi:10.1590/0074-02760180278
- Rafaell, Ricardo de Mattos Russo; Neto, Mercedes; Carvalho, Marina Maria Baltazar de; David, Helena Maria Scherlowski Leal; Acioli, Sonia; Faria, Magda Guimarães de Araujo. *Epidemiologia, políticas públicas e pandemia de Covid-19: o que esperar no Brasil? Rev. enferm. UERJ* 2020; 28: e49570. DOI: <http://dx.doi.org/10.12957/ruerj.2020.49570>

- Raheem, R. A., Binns, C. W., & Chih, H. J. (2017). Protective effects of breastfeeding against acute respiratory tract infections and diarrhoea: Findings of a cohort study. *Journal of Paediatrics and Child Health*, 53(3), 271–276. doi:10.1111/jpc.13480
- Rodríguez, E.S., Palacios-Reyes, D. (2020). COVID-19: The outbreak caused by a new coronavirus. *Bol Med Hosp Infant Mex*, 77(2), 47–53. doi:10.24875/BMHIM.20000039.
- Roldan, G. A., Cui, A. X., & Pollock, N. R. (2018). Assessing the Burden of *Clostridium difficile* Infection in Low- and Middle-Income Countries. *Journal of Clinical Microbiology*, 56(3), e01747–17. doi:10.1128/jcm.01747–17
- Rostami, A., Riahi, S. M., Contopoulos-Ioannidis, D. G., Gamble, H. R., Fakhri, Y., Shiadeh, M. N., Foroutan, M., Behniafar, H., Taghipour, A., Maldonado, Y.A., Mokdad, A.H., & Gasser, R. B. (2019). Acute *Toxoplasma* infection in pregnant women worldwide: A systematic review and meta-analysis. *PLOS Neglected Tropical Diseases*, 13(10), e0007807. doi:10.1371/journal.pntd.0007807
- Sahu KK, Mishra AK, Lal A. Trajectory of the COVID-19 pandemic: chasing a moving target. *Ann Transl Med*. 2020;8(11):694. doi:10.21037/atm-20-2793
- Sankar, M. J., Sinha, B., Chowdhury, R., Bhandari, N., Taneja, S., Martinez, J., & Bahl, R. (2015). Optimal breastfeeding practices and infant and child mortality: a systematic review and meta-analysis. *Acta Paediatrica*, 104, 3–13. doi:10.1111/apa.13147
- Shamir, R. (2016). The Benefits of Breast Feeding. Protein in Neonatal and Infant Nutrition: Recent Updates, 67–76. doi:10.1159/000442724
- Shi, T., Balsells, E., Wastnedge, E., Singleton, R., Rasmussen, Z. A., Zar, H. J., Rash, B. A., Madhi, S.A., Campbell, S., Vaccari, L.C., Bulkow, L. R., Thomas, E.D., Barnett, W., Hoppe, C., Campbell, H., & Nair, H. (2015). Risk factors for respiratory syncytial virus associated with acute lower respiratory infection in children under five years: Systematic review and meta-analysis. *Journal of Global Health*, 5 (2), 020416. doi:10.7189/jogh.05.020416
- Shokri A, Sabzevari S, Hashemi SA. Impacts of flood on health of Iranian population: Infectious diseases with an emphasis on parasitic infections. *Parasite Epidemiol Control*. 2020;9:e00144. Published 2020 Mar 12. doi:10.1016/j.parepi.2020.e00144
- Simpson P. Long-term urethral catheterisation: guidelines for community nurses. *British Journal of Nursing*. 2017; 26(9) Urology Supplement: S22–S24.
- Skelton-Dudley F, Doan J, Suda K, Holmes SA, Evans C, Trautner B. Spinal Cord Injury Creates Unique Challenges in Diagnosis and Management of Catheter-Associated Urinary Tract Infection. *Top Spinal Cord Inj Rehabil*. 2019;25(4):331–339. doi:10.1310/sci2504–331
- Stebbins, R.C., Noppert, G.A., Aiello, A.E., Cordoba, E., Ward, J.B., & Feinstein, L. (2019). Persistent socioeconomic and racial and ethnic disparities in pathogen burden in the United States, 1999–2014. *Epidemiology and Infection* 147, 1–7. doi:10.1017/S0950268819001894
- Størdal, K., Lundeby, K. M., Brantsæter, A. L., Haugen, M., Nakstad, B., Lund-Blix, N. A., & Stene, L. C. (2017). Breast-feeding and Infant Hospitalization for Infections: Large Cohort and Sibling Analysis. *Journal of pediatric gastroenterology and nutrition*, 65(2), 225–231. doi:10.1097/MPG.0000000000001539
- Tandon S, Qin KR, Nataraja RM, Pacilli M. Surgical wound care: A survey of parental knowledge and expectations. *J Pediatr Surg* 2019; 54(12): 2606–2613.
- Toniazzo, M. P., Nodari, D., Muniz, F. W. M. G., & Weidlich, P. (2019). Effect of mHealth in improving oral hygiene: a systematic review with meta-analysis. *Journal of Clinical Periodontology*, 46(3), 297–309. doi:10.1111/jcpe.13083

- Unemo, M., Bradshaw, C. S., Hocking, J. S., de Vries, H. J. C., Francis, S. C., Mabey, D., & et al. (2017). Sexually transmitted infections: challenges ahead. *The Lancet Infectious Diseases*, 17(8), e235–e279. doi:10.1016/s1473-3099(17)30310-9
- Vergueiro, C.S.V., Cordioli, R., Martucci, D., Peres, V., Kiyamu, A.R., Ribeiro, K.C.B., & Chiatton, C. S. (2008). Seroprevalence and epidemiological aspects of *Helicobacter pylori* infection in bone marrow donors in São Paulo. *Rev. bras. Epidemiol*, 11(2). doi: 10.1590/S1415-790X2008000200002
- Wikan, N., & Smith, D. R. (2016). Zika virus: history of a newly emerging arbovirus. *The Lancet Infectious Diseases*, 16(7), e119–e126. doi:10.1016/s1473-3099(16)30010-x
- Woelber E, Schrick EJ, Gessner BD, Evans HL. Proportion of Surgical Site Infections Occurring after Hospital Discharge: A Systematic Review. *Surg Infect (Larchmt)*. 2016;17(5):510–519. doi:10.1089/sur.2015.241

Risk for surgical site infection (00266)

- Barbosa HF, Reis FJC, Carrara HHA, Andrade JM. Fatores de risco para infecções de sítio cirúrgico em pacientes operadas por câncer de mama. *RBGO*. 2004; 26(3):227–2–32
- Bucher BT, Guth RM, Elward AM, et al. Risk factors and outcomes of surgical site infection in children. *J Am Coll Surg*. 2011; 212(6):1033–1038.e1
- Bunn F, Cunningham ME, Handscomb K. Prophylactic antibiotics to prevent surgical site infection after breast cancer surgery. *Cochrane Database Syst Rev*. 2006
- D'Ambrosia RD, Shoji H, Heater R. Secondarily infected total joint replacements by hematogenous spread. *J Bone Joint Surg Am*. 1976; 58(4):450–453
- Dellinger EP, Hausmann SM, Bratzler DW, et al. Hospitals collaborate to decrease surgical site infections. *Am J Surg*. 2005; 190(1):9–15
- Ercole FF, Chianca TCM. Surgical site infection in patients submitted to hip arthroplasty. *Rev latinoam enferm*. 2002; 10(2):157–165
- Ercole FF. Aspectos epidemiológicos da infecção de sítio cirúrgico em pacientes submetidos a artroplastias de quadril em um hospital de grande porte de BH - MG [dissertação]. Belo Horizonte (MG): Escola de Enfermagem -Universidade Federal de Minas Gerais; 2000
- Ercole FF. Avaliação de aplicabilidade do índice de risco de infecção cirúrgica do sistema NNIS em pacientes submetidos a procedimentos ortopédicos: um estudo multicêntrico em hospitais de Belo Horizonte, Minas Gerais [tese]. Belo Horizonte (MG): Instituto de Ciências Biológicas - Universidade Federal de Minas Gerais; 2006
- Geubbels ELPE, Mintjes-de Groot AJ, van den Berg JMJ, de Boer AS. An operating surveillance system of surgical-site infections in The Netherlands: results of the PRE-ZIES national surveillance network. *Preventie van Ziekenhuisinfecties door surveillance*. *Infect Control Hosp Epidemiol*. 2000; 21(5):311–31
- Gillespie WJ, Walenkamp GHIM. Antibiotic prophylaxis for surgery for proximal femoral and other closed long bone fractures. *Cochrane Database Syst Rev*. 2010(3): CD000244
- Mangram AJ, Horan TC, Pearson ML, Silver LC, Jarvis WR, Hospital Infection Control Practices Advisory Committee. Guideline for prevention of surgical site infection, 1999. *Infect Control Hosp Epidemiol*. 1999; 20(4):250–278, quiz 279–280
- Melling AC, Ali B, Scott EM, Leaper DJ. Effects of preoperative warming on the incidence of wound infection after clean surgery: a randomised controlled trial. *Lancet*. 2001; 358(9285):876–880

- Nobre LF, Galvão CM, Graziano K, Corniani F. Avaliação de indicadores do controle da contaminação ambiental da sala de operação: um estudo piloto. *Rev Med Ribeirão Preto*. 2001; 34:183–193
- de Oliveira AC, Ciosak SI, Ferraz EM, Grinbaum RS. Surgical site infection in patients submitted to digestive surgery: risk prediction and the NNIS risk index. *Am J Infect Control*. 2006; 34(4):201–207
- Polk HC, Jr, Christmas AB. Prophylactic antibiotics in surgery and surgical wound infections. *Am Surg*. 2000; 66(2):105–111
- Proveda VB, Galvão CM, Hayashida M. Análise dos fatores de risco relacionados à incidência de infecção do sítio cirúrgico em gastrocirurgias. *Rev Esc Enferm USP*. 2003; 37(1):81–89
- Sessler DI, Akça O. Nonpharmacological prevention of surgical wound infections. *Clin Infect Dis*. 2002; 35(11):1397–1404
- Tang R, Chen HH, Wang YL, et al. Risk factors for surgical site infection after elective resection of the colon and rectum: a single-center prospective study of 2,809 consecutive patients. *Ann Surg*. 2001; 234(2):181–189
- Tran TS, Jamulitrat S, Chongsuvivatwong V, Geater A. Risk factors for postcesarean surgical site infection. *Obstet Gynecol*. 2000; 95(3):367–371
- Webster J, Osborne S. Preoperative bathing or showering with skin antiseptics to prevent surgical site infection. *Cochrane Database Syst Rev*. 2007(2):CD004985

11.2 Class 2. Physical injury

Ineffective airway clearance (00031)

- Aguilar, L. V. (2012). Diagnósticos de enfermagem prevalentes en pacientes con EPOC tras el alta hospitalaria. *Revista Ene De Enfermería*, 5(3) Retrieved from <http://ene-enfermeria.org/ojs/index.php/ENE/article/view/30>
- Alteri, C., & Doherty, J. (1988). Current recommendations for basic life support: Application of the nursing process. *The Journal of Cardiovascular Nursing*, 3(1), 57–67. DOI:10.1097/00005082-198811000-00010
- Alves dos Santos, N., Frota Cavalcante, T., de Oliveira Lopes, Marcos Venícios, Bezerra Gomes, E., & de Oliveira, C. J. (2015). Profile of nursing diagnoses in patients with respiratory disorders. *Investigación y Educación en Enfermería*, 33(1), 112–118. Retrieved from http://www.scielo.org.co/scielo.php?script=sci_abstract&pid=S0120-53072015000100013&lng=en&nrm=iso&tlng=en
- Andrade CLZ, da Silva VM, de Oliveira Lopes MV, Resende Chaves DB, de Oliveira Távora RC. Ineffective airway clearance: prevalence and spectrum of its clinical indicators. *Acta Paulista de Enfermagem*. 2014;27(4):319–325.
- Andrade LZC, de Moura KKM, Chaves DBR, da Silva VM, de Oliveira Lopes MV. Ineffective airway clearance in children with acute respiratory infection. *Revista Eletronica de Enfermagem*. 2014;16(1):21–27
- Andrade, L. Z. C., Silva, V. M. d., Lopes, Marcos Venícios de Oliveira, Chaves, D. B. R., & Távora, Rafaela Carolini de Oliveira. (2014). Desobstrução ineficaz de vias aéreas: Prevalência e espectro de seus indicadores clínicos. *Acta Paulista De Enfermagem*, 27(4), 319–325. DOI:10.1590/1982-0194201400054
- Angeles-Oblitas, Y., Barreto-Quiroz, M., & Bolaño-Gil, H. (2010). Proceso de cuidado de enfermagem en una escolar con parálisis cerebral infantil e influenza AH1N1, en un hospital nacional de chichlayo, Perú. *Rev. Enferm. Herediana*, 3(1), 43–48. Re-

- trieved from http://www.upch.edu.pe/faenf/images/pdf/Revistas/2010/enero/AH1N1%203_6.pdf
- Ateca Borregán, M., & Romero Lara, M. (2009). Cuidados paliativos domiciliarios. A propósito de un caso clínico. *Metas De Enfermería*, 12(10), 10–15. Retrieved from <https://medes.com/publication/54473>
- Avena, M. J., da Luz Gonçalves Pedreira, Mavilde, Herdman, T. H., & Gutiérrez, M. G. R. (2016). Respiratory nursing diagnoses: Presenting evidence for identification of the defining characteristics in neonatal and pediatric populations. *International Journal of Nursing Knowledge*, 27(4), 184–192. DOI:10.1111/2047–3095.12098
- Baldo Santos R, Christiane Marocco Duran E, Valentim Carmona E, de Lione Melo L, Raquel Medeiros Beck A. Diagnósticos de enfermagem em pacientes com infecção hospitalar. *Revista de Enfermagem UFPE*. 2015;9(8):9359–9365
- Bouza, E. T., & Torrado, R. V. (2004). Enfermería en cuidados paliativos: Hospitalización durante los últimos días de vida. *Enfermería Global*, 3(2) DOI:10.6018/eglobal.3.2.546
- Brukwitzki, G., Holmgren, C., & Maibusch, R. M. (1996). Validation of the defining characteristics of the nursing diagnosis ineffective airway clearance. *Nursing Diagnosis: ND: The Official Journal of the North American Nursing Diagnosis Association*, 7(2), 63–69. DOI:10.1111/j.1744–618x.1996.tb00294.x
- Campos Palomo, Á D., & Deseada Campos Palomo, L. (2011). Cuidados de enfermería al paciente con enfisema guiados según el modelo AREA. *Enfermería Docente*, 94, 22–28.
- Capuano, T. A., Hitchings, K. S., & Johnson, S. (1990). Respiratory nursing diagnoses: Practicing nurses' selection of defining characteristics. *Nursing Diagnosis: ND: The Official Journal of the North American Nursing Diagnosis Association*, 1(4), 169–174. DOI:10.1111/j.1744–618x.1990.tb00436.x
- Carlson-Catalano, J., Lunney, M., Paradiso, C., Bruno, J., Luise, B. K., Martin, T., .. Pachter, S. (1998). Clinical validation of ineffective breathing pattern, ineffective airway clearance, and impaired gas exchange. *Image—the Journal of Nursing Scholarship*, 30(3), 243–248. DOI:10.1111/j.1547–5069.1998.tb01299.x
- Carroll, P. (1992). Nursing the thoracotomy patient. *Rn*, 55(6), 34–38, 41.
- Casanova Ferráez, S. (2010). Guía de valoración ABCDE de enfermería. *Desarrollo Científ Enferm.*, 18(7), 302–307.
- Cavender, B. S. (1990). Nursing diagnoses and interventions in bronchopulmonary dysplasia: A case study. *AACN Clinical Issues in Critical Care Nursing*, 1(2), 331–338. doi:10.4037/15597768–1990–2012
- Celes Mendes, L., Bezerra Cavalcante, J. C., Venícios de Oliveira Lopes, M., & de Oliveira Lima, L. H. (2012). Pediatría: Niños ingresados con asma desobstrucción ineficaz das vias aéreas em crianças asmáticas: Um estudo descritivo. *Texto Contexto Enferm*, Florianópolis, 21(2), 371–378.
- Chaves, D. B. R., Beltrão, B. A., Pascoal, L. M., Oliveira, Ana Railka de Souza, Andrade, L. Z. C., dos Santos, Ana Carla Bonfim, .. da Silva, V. M. (2016). Defining characteristics of the nursing diagnosis "ineffective airway clearance". *Revista Brasileira De Enfermagem*, 69(1), 92–98. DOI:10.1590/0034–7167.2016690114i.
- Chávez García, C. (2007). Método de enfermería y el modelo de henderson en un paciente con estenosis mitral y accidente cerebrovascular. *Revista Mexicana De Enfermería Cardiológica*, 15(1), 14–18.
- Cirillo, B. I., & Hardy, E. (1991). Incorporating nursing diagnoses in the postanesthesia care unit record. *Journal of Post Anesthesia Nursing*, 6(5), 336–341.

- Cisneros, N. S., Barriga, B. M. D., & Díaz, V. G. (2008). Propuesta de atención de enfermería en el postoperatorio de cirugía de fontan en el paciente pediátrico. *Revista Mexicana De Enfermería Cardiológica*, 16(2), 42–48. Retrieved from <https://www.medigraphic.com/cgi-bin/new/resumen.cgi?IDARTICULO=19212>
- Corral, S. H., & Ángeles, A. A. (2009). Etiquetas diagnósticas más frecuentes en personas con lesión medular en fase de rehabilitación. *Enfermería Universitaria*, 6(1), 50–53. Retrieved from <https://www.medigraphic.com/cgi-bin/new/resumen.cgi?IDARTICULO=37678>
- Costa Carvalho OM, Martins da Silva V, de Oliveira Távora RC, et al. Ineffective airway clearance: accuracy of clinical indicators in asthmatic children. *Revista Brasileira de Enfermagem*. 2015;68(5):580–586.
- da Silva LFM, Pascoal LM, Nunes SFL, et al. Ineffective airway clearance in surgical patients: evaluation of nursing interventions and outcomes. *Int J Nurs Knowl*. Mar 27 2019
- da Silva, V. M., Lopes, Marcos Venícios de Oliveira, de Araujo, T. L., Ciol, M. A., & de Carvalho, E. C. (2009). Clinical indicators of ineffective airway clearance in children with congenital heart disease. *Journal of Clinical Nursing*, 18(5), 729–736.
- de Sousa, Vanessa Emille Carvalho, de Oliveira Lopes, Marcos Venícios, de Araujo, T. L., Rolim, Isaura Letícia Tavares Palmeira, do Nascimento, R. V., & Oliveira, T. F. (2013a). Clinical indicators of ineffective airway clearance for patients in the cardiac postoperative period. *European Journal of Cardiovascular Nursing*, 12(2), 193–200. DOI:10.1177/1474515112443931
- de Sousa, Vanessa Emille Carvalho, Lopes, Marcos Venícios de Oliveira, & da Silva, V. M. (2015). Systematic review and meta-analysis of the accuracy of clinical indicators for ineffective airway clearance. *Journal of Advanced Nursing*, 71(3), 498–513. DOI:10.1111/jan.12518
- Diniz, C.M., Pascoal, L.M., Lopes, M.V.O., Beltrão, B.A., Sousa, V.E.C., Silva, V.M., & Nunes, M.M. (2018). Simultaneous concept analysis of the nursing diagnoses, ineffective airway clearance, ineffective breathing pattern, and impaired gas exchange. Available from: <https://www.bc.edu/content/dam/bc1/schools/cson/About/Events/Simultaneous%20concept%20analysis%20of%20the%20nursing%20diagnoses,%20ineffective%20airway%20clearance,%20ineffective%20breathing%20pattern,%20and%20impaired%20gas%20exchange.pdf>
- Escalona, T. C., & Raga, M. G. (2016). Efectividad del proceso de atención de enfermería en la supervivencia del recién nacido ventilado. *Multimed*, 17(1), 65–81. Retrieved from <http://www.revmultimed.sld.cu/index.php/mtm/article/view/107>
- Flávia Paula Magalhães Monteiro, Viviane Martins da Silva, Marcos Venícios de Oliveira Lopes, & Thelma Leite de Araujo. (2007). Condutas de enfermagem para o cuidado à criança com infecção respiratória: Validação de um guia conductas de enfermagem en el cuidado al niño con infección respiratoria: Validación de una guía nursing conducts for the care of children with respiratory infection: Validation of a guideline. *Acta Paulista De Enfermagem*, 20(4), 458–463. doi:10.1590/S0103–21002007000400012
- Fontes, C. M. B., & da Cruz, Diná Almeida Lopes Monteiro. (2007). Documented nursing diagnoses for medical clinic patients. *Revista Da Escola De Enfermagem Da U S P*, 41(3), 395–402. DOI:10.1590/s0080–62342007000300008
- Hanley, M. V., & Tyler, M. L. (1987). Ineffective airway clearance related to airway infection. *The Nursing Clinics of North America*, 22(1), 135–150.

- Hsu, H., & Lin, M. (2010). Applying hospice care concepts on a patient with terminal stage esophageal carcinoma: A nurse's experience. *Hu Li Za Zhi the Journal of Nursing*, 57(2 Suppl), 3.
- Ibáñez, B. A., & Peralta, M. N. (2006). Aplicación del p.a.e. en pacientes quirúrgicos - infección de sitio quirúrgico. *Enfermería Global*, 5(1). DOI:10.6018/eglobal.5.1.321
- Juárez, E. H. (2012). Plan de cuidados de enfermería en un paciente con gangrena de fournier. *REDUCA (Enfermería, Fisioterapia Y Podología)*, 4(2) Retrieved from <http://revistareduca.es/index.php/reduca-enfermeria/article/view/933>
- Kim, M. J., & Larson, J. L. (1987). Ineffective airway clearance and ineffective breathing patterns: Theoretical and research base for nursing diagnosis. *The Nursing Clinics of North America*, 22(1), 125–134.
- La, H. (1987). Ineffective airway clearance related to neuromuscular dysfunction. *The Nursing Clinics of North America*, 22(1), 151–166. Retrieved from <https://europepmc.org/article/med/3644287>
- Lendinez Mesa, A., Casero Alcazar, M., & Fernandes Ribeiro, A. S. (2014). Plan de cuidados de un paciente con encefalopatía anóxica. *Revista Científica De La Sociedad Española De Enfermería Neurológica*, 39(1), 29–33. DOI:10.1016/j.sedene.2014.01.001
- Lendinez Mesa, A., Casero Alcazar, M., & Fernandes Ribeiro, A. S. (2014). Plan de cuidados de un paciente con encefalopatía anóxica. *Revista Científica De La*
- Lima, Luisa Helena de Oliveira, Lopes, Marcos Venícios de Oliveira, Falcão, Rita Tomás de Souza, Freitas, R. M. R., Oliveira, T. F., & da Costa, Maria da Conceição Cavalcante. (2013). Intervention for ineffective airway clearance in asthmatic children: A controlled and randomized clinical trial. *International Journal of Nursing Practice*, 19(1), 88–94. DOI:10.1111/ijn.12033
- López, L. M. C., & Palomino, G. M. (2006). Plan de cuidados en un paciente pediátrico con cardiopatía congénita cianógena por ventrículo único. *Revista Mexicana De Enfermería Cardiológica*, 14(2), 56–61. Retrieved from <https://www.medigraphic.com/cgi-bin/new/resumen.cgi?IDARTICULO=9280>
- Lunney, M. (2017). NANDA diagnoses, NIC interventions, and NOC outcomes used in an electronic health record with elementary school children: *The Journal of School Nursing*, doi:10.1177/105984050602200206
- Martins Da Silva, V., De Oliveira Lopes, M V, & Leite De Araujo, T. (2006). Análisis del diagnóstico enfermero. patrón respiratorio ineficaz en niños con cardiopatías congénitas. *Enferm Cardiol*, 38(2), 24–29. Retrieved from <https://www.enfermeriaencardiologia.com/articulo/analisis-del-diagnostico-enfermero-patron-respiratorio-ineficaz-en-ninos-con-cardiopatias-congenitas/>
- Me, S., & M, N. (1987). Ineffective airway clearance related to artificial airway. *The Nursing Clinics of North America*, 22(1), 167–178. Retrieved from <https://europepmc.org/article/med/3547341>
- Melo, F. V., Costa, M. F., & Sandes, Silvia Márcia dos Santos. (2018). Nursing diagnoses in the postoperative period of cardiac surgery. *Journal of Nursing UFPE on Line*, 12(8), 2188–2193. doi:10.5205/1981–8963-v12i8a231671p2188–2193–2018
- Merino Navarro, D., González Rodríguez, A., & Palomar Gallardo, C. (2003). La atención de enfermería de urgencias en la crisis asmática. *Ciber Revista: Enfermeriadeurgencias.Com*, (15) Retrieved from http://www.enfermeriadeurgencias.com/ciber/PRIMERA_EPOCA/2003/septiembre/asmatica.htm
- Montalbán, M. T., Rodríguez, S. G., & Martín, F. J. R. (2012). Caso clínico: Aplicación del proceso enfermero en una cura paliativa. *Hygia De Enfermería: Revista Científica*

- Del Colegio, (81), 38–43. Retrieved from <https://dialnet.unirioja.es/servlet/articulo?codigo=4016911>
- Monteiro, F. P. M., Silva, V. M. d., Lopes, Marcos Venícios de Oliveira, & Araujo, T. L. d. (2007). Nursing conducts for the care of children with respiratory infection: Validation of a guideline. *Acta Paul Enferm.*, 20(4), 458–463. doi:10.1590/S0103-21002007000400012
- Monteiro, F. P. M., Silva, V. M. d., Lopes, Marcos Venícios de Oliveira, & Araujo, T. L. d. (2008). Desobstrução ineficaz das vias aéreas: Mapeamento das atividades de enfermagem para crianças com infecção respiratória. *Rev. Eletrônica Enferm*, Retrieved from <http://www.fen.ufg.br/revista/v10/n3/v10n3a02.htm>
- Morais Clemente E, Oliveira da Silva BC, de Souza Neto VL, Dantas SC, de Albuquerque AV, Rosendo da Silva RA. Diagnósticos de enfermagem no pós-operatório de cirurgia cardíaca: revisão integrativa. *Revista de Enfermagem UFPE*. 2016;10(7):2679-2686
- Napoléão, A. A., & Carvalho, E. C. (2006). Ineffective airway clearance: Applicability of NIC priority interventions in a brazilian pediatric intensive care unit. *Int J Nurs Terminol Classif*, 17(1), 76.
- Nascimento JND, Pascoal LM, Sousa VEC, Nunes SFL, Lima Neto PM, Santos F. Associations between respiratory nursing diagnoses and nursing interventions in patients submitted to thoracic or upper abdominal surgery. *Enferm Clin*. Jan 30 2019.
- Pascoal LM, Lopes MV, da Silva VM, et al. Clinical indicators of ineffective airway clearance in children with acute respiratory infection. *J Child Health Care*. Sep 2016;20(3):324–332.
- Pascoal LM, Pereira Alves de Carvalho J, Carvalho de Sousa VE, et al. Ineffective airway clearance in adult patients after thoracic and upper abdominal surgery. *Applied Nursing Research*. 2016;31:24–28
- Pascoal, L. M., Lopes, Marcos Venícios de Oliveira, da Silva, V. M., Chaves, D. B. R., Beltrão, B. A., Nunes, M. M., & de Moura, Karine Kerla Maia. (2016). Clinical differentiation of respiratory nursing diagnoses among children with acute respiratory infection. *Journal of Pediatric Nursing*, 31(1), 85–91. DOI:10.1016/j.pedn.2015.08.002
- Peralta-Ugarte, J., Rafael-Romero, M., Saravia-Neira, L., Musayón-Oblitas Y., Mayorca-Carmelo. C. Enunciados diagnósticos enfermeros más frecuentes, que cumplen con la taxonomía II NANDA registrado en el servicio de medicina del hospital nacional arzobispo loayza. (2012). *Revista Enfermería Herediana*, 5(2), 78–88. DOI:10.20453/renh.v5i2.2398
- Pereira-de-Melo, R., Arrais-Sampaio, F. A., & de Oliveira-Lopes, M. V. (2009). Descripción de un caso: Intervención de enfermería en un niño diagnosticado de limpieza ineficaz de las vías aéreas. *Enfermería Clínica*, 19(3), 156–159. DOI:10.1016/j.enfcli.2009.02.003
- Pivoto, F. L., Filho, W. D. L., Santos, S. S. C., Almeida, M. d. A., & Silveira, R. S. d. (2010). Nursing diagnoses in patients in the postoperative period of cardiac surgery. *Acta Paul Enferm.*, 23(5), 665–670. doi:10.1590/S0103-21002010000500013
- Pivoto, F. L., Lunardi Filho, W. D., Santos, S. S. C., Almeida, M. d. A., & Silveira, R. S. d. (2010). Nursing diagnoses in patients in the postoperative period of cardiac surgery. *Acta Paulista De Enfermagem*, 23(5), 665–670. doi:10.1590/S0103-21002010000500013
- Poza Artés, C. M., & Ortiz Jimenez, F. M. (2006). Plan de cuidados al paciente laringectomizado total. caso clínico. *Evidentia*, 3(12)

- Quezada Urban, R., Aguilar Hernández, P., & Sánchez Cruz, B. (2012). Proceso de enfermería aplicado a un paciente con desequilibrio nutricional. *Revista CuidArte*, 1(2), 62–76. doi:<http://dx.doi.org/10.22201/fesi.23958979e.2012.1.2.69058>
- Ramos-Aguilar, I., Díaz-Maldonado, N., & Hernández-Meza, M. (2013). Atención de enfermería a un paciente con deterioro de la respiración y el proceso de eliminación. *Rev Paraninfo Digital*, 17 Retrieved from <http://www.index-f.com/para/n17/023.php>
- Resende Chaves DB, Amorim Beltrão B, Pascoal LM, et al. Defining characteristics of the nursing diagnosis "ineffective airway clearance". *Revista Brasileira de Enfermagem*. 2016;69(1):92–98
- Rodríguez Bestilleiro, A. M., & Ángeles Ferrer Pardavila, M. (2002). Prevalencia de diagnósticos enfermeros de la NANDA y necesidades alteradas de henderson en una unidad de lactantes. *Enfermería Clínica*, 12(6), 255–261. doi:10.1016/S1130-8621(02)73762-5
- Rodríguez Cruz, D. L. (2010). Proceso enfermero aplicado a un paciente con enfermedad pulmonar obstructiva crónica. *Desarrollo Científico Enfermero*, 18(5), 217–219.
- Sallum, A. M. C., Santos, Jair Lício Ferreira dos, & Lima, F. D. d. (2012). Nursing diagnoses in trauma victims with fatal outcomes in the emergency scenario. *Revista Latino-Americana De Enfermagem*, 20(1), 3–10. doi:10.1590/S0104-11692012000100002.
- Silva, V. M. d., Araujo, T. L. d., & Lopes, Marcos Venícios de Oliveira. (2006). Evolution of nursing diagnoses for children with congenital heart disease. *Revista Latino-Americana De Enfermagem*, 14(4), 561–568. doi:10.1590/S0104-11692006000400014
- Silva, V. M. d., Lopes, Marcos Venícios de Oliveira, & Araujo, T. L. d. (2007). Respuestas humanas de niños con cardiopatía congénita. asociación entre respuestas humanas, factores relacionados y problemas de colaboración en niños con cardiopatía congénita. *Revista Mexicana De Enfermería Cardiológica*, 15(1), 6–13. Retrieved from <https://www.medigraphic.com/cgi-bin/new/resumen.cgi?IDARTICULO=12230>
- Siskind, M. M. (1989). A standard of care for the nursing diagnosis of ineffective airway clearance. *Heart & Lung: The Journal of Critical Care*, 18(5), 477–482.
- Sociedad Española De Enfermería Neurológica, 39(1), 29–33. DOI:10.1016/j.sedene.2014.01.001
- Sousa VEC, Lopes MVdO, Silva VM. Systematic review and meta-analysis of the accuracy of clinical indicators for ineffective airway clearance. *Journal of Advanced Nursing*. 2015;71(3):498–513.
- Su Qiuping, & Zhou Lili. (2010). Nursing experience while applying orem theory to a paralysis patient with acute myelitis. *Revista De Enfermería Zhiwei Nursing-Tzy Chi*, 9(1), 121–128. doi:10.6974 / TCNJ.201002.0121
- Tinstman, C. F., & Crimlisk, J. (1995). Infantile alpha 1 antitrypsin deficiency: A case report. *Gastroenterology Nursing: The Official Journal of the Society of Gastroenterology Nurses and Associates*, 18(1), 20–26. doi:10.1097/00001610-199501000-00005
- Torres-Castro, R., Monge, G., Vera, R., Puppo, H., Céspedes, J., & Vilaró, J. (2014a). [Therapeutic strategies to increase the effectiveness of cough]. *Revista Medica De Chile*, 142(2), 238–245. doi:10.4067/S0034-98872014000200013
- Traver, G. A. (1985). Ineffective airway clearance: Physiology and clinical application. *Dimensions of Critical Care Nursing: DCCN*, 4(4), 198–208. doi:10.1097/00003465-198507000-00011. Retrieved from: https://journals.lww.com/dccnjournal/Abstract/1985/07000/Ineffective_Airway_Clearance__Physiology_and.11.aspx

- Velasco Santana, M., & Casique Casique, L. (2010). Proceso de enfermería en el adulto joven con asma bronquial. *Desarrollo Científico Enfermero*, 18(5), 220–225.
- Vidor, K. K. (1991). Perioperative nursing diagnosis: Potential for ineffective airway clearance. *Today's OR Nurse*, 13(5), 26–27. Vol. 1. 9., & Núm. 3 Septiembre-Diciembre 2011 pp 105–113. (2011). *Revista mexicana de Medigraphic*. Retrieved from <https://www.medigraphic.com/cgi-bin/new/resumen.cgi?IDARTICULO=34394>
- Wake, M. M., Fehring, R. J., & Fadden, T. (1991). Multinational validation of anxiety, hopelessness, and ineffective airway clearance. *Nursing Diagnosis: ND: The Official Journal of the North American Nursing Diagnosis Association*, 2(2), 57–65. doi:10.1111/j.1744–618x.1991.tb00334.x
- Ya-Ting Lin, & Hsiang-Fen Yeh. (2012). A nursing experience of a postoperative gastric cancer patient suffering from thanatophobia. *Tzu Chi Nursing Journal*, 11(2), 103–110.
- Young-Hee Yom, Sung Ai Chi, & Yoo, H. S. (2002). Application of nursing diagnoses, interventions, and outcomes to patients undergoing abdominal surgery in Korea. *International Journal of Nursing Terminologies and Classifications*, 13(3), 77–87.
- Zeitoun, S. S., Barros, Alba Lúcia Bottura Leite De, Michel, J. L. M., & Bettencourt, Ana Rita Cássia De. (2007). Clinical validation of the signs and symptoms and the nature of the respiratory nursing diagnoses in patients under invasive mechanical ventilation*. *Journal of Clinical Nursing*, 16(8), 1417–1426. doi:10.1111/j.1365–2702.2006.01632.x

Risk for aspiration (00039)

- Aguiar FCF, Vale SL, Vicente LCC. Chronic obstructive pulmonary disease: swallowing analysis in hospitalized patients. *Distúrb Comun, São Paulo*, 30(1): 147–157, março, 2018. <http://dx.doi.org/10.23925/2176–2724.2018v30i1p147–157>
- Bispo MM, Dantas ALM, Silva PKA, Fernandes MICD, Tinôno JDS, Lira ALBC. The nursing diagnosis of aspiration risk in critical patients. *Esc Anna Nery* 2016;20(2):357–362. DOI: 10.5935/1414–8145.20160049
- Boeykens K, Steeman E, Duysburgh I. Reliability of pH measurement and the auscultatory method to confirm the position of a nasogastric tube. *Int J Nurs Stud*. 2014;51(11):1427–33. doi: 10.1016/j.ijnurstu.2014.03.004
- Çalışkan N, Bulut H, Konan A. The Effect of Warm Water Intake on Bowel Movements in the Early Postoperative Stage of Patients Having Undergone Laparoscopic Cholecystectomy: A Randomized Controlled Trial. *Gastroenterol Nurs*. 2016; 39(5): 340–7. doi:10.1097/SGA.0000000000000181
- Cavalcante TF, Araujo TL, Moreira RP, Guedes NG, Lopes MVO, Silva VM. Clinical validation of the nursing diagnosis Risk for Aspiration among patients who experienced a cerebrovascular accident. *Rev. Latino-Am. Enfermagem* 2013 jan-feb; 21 (Spec): 250–8.
- Chau JPC, Lo SHS, Thompson DR, Fernandez R, Griffiths R. Use of end-tidal carbon dioxide detection to determine correct placement of nasogastric tube: A meta-analysis. *Int J Nurs Stud*. 2011;48(4):513–21. doi:10.1016/j.ijnurstu.2010.12.004
- Chen S, Xian W, Cheng S, Zhou C, Zhou H, Feng J et al. Risk of regurgitation and aspiration in patients infused with different volumes of enteral nutrition. *Asia Pac J Clin Nutr*. 2015;24(2):212–8. doi:10.6133/apjcn.2015.24.2.12.
- Izumi M, Takeuchi K, Ganaha S, Akifusa S, Yamashita Y. Effects of Oral Care With Tongue Cleaning on Coughing Ability in Geriatric Care Facilities: A Randomised

- Controlled Trial.
 J Oral Rehabil. 2016;43(12):953–9. doi:10.1111/joor.12451
- Kaur V, Kaur R, Saini SS. Comparison of Three Nursing Positions for Reducing Gastric Residuals in Preterm Neonates: A Randomized Crossover Trial. *Indian Pediatr.* 2018;55(7):568–72. Available at: <https://pubmed.ncbi.nlm.nih.gov/30129537/>.
- Khatony A, Abdi A, Karimi B, Aghaei A, Brojeni HS. The effects of position on gastric residual volume of premature infants in NICU. *Ital J Pediatr.* 2019;45(1):6. doi: 10.1186/s13052-018-0591-9
- Metheny, NA, Davis-Jackson, J, Stewart, BJ. Effectiveness of an Aspiration Risk-Reduction Protocol *Nurs Res.* 2010; 59(1): 18–25. doi:10.1097/NNR.0b013e3181c3ba05
- Nguyen NP, Smith-Raymond L, Vinh-Hung V, Vos P, Davis R, et al. (2013) Feasibility of Tomotherapy-Based Image-Guided Radiotherapy to Reduce Aspiration Risk in Patients with Non-Laryngeal and Non-Pharyngeal Head and Neck Cancer. *PLoS ONE* 8(3): e56290. doi:10.1371/journal.pone.0056290
- Noguchi S, Yatera K, Kato T, Chojin Y, Fujino Y, Akata K et al. Impact of the number of aspiration risk factors on mortality and recurrence in community-onset pneumonia. *Clinical Interventions in Aging* 2017, dec, 12: 2087–2094. doi:10.2147/CIA.S150499. eCollection 2017.
- Oliveira ARS, Costa AGS, Morais HCC, Cavalcante TF, Lopes MVO, Araujo TL. Clinical factors predicting risk for aspiration and respiratory aspiration among patients with Stroke. *Rev. Latino-Am. Enfermagem* 2015 Mar.-Apr.;23(2):216–24.
- Palese A, Lesa L, Stroppolo G, Lupieri G, Tardivo S, Brusaferrro S et al. Factors precipitating the risk of aspiration in hospitalized patients: findings from a multicenter critical incident technique study. *Int J Qual Health Care.* 2017 Apr; 29(2):194–199. doi:10.1093/intqhc/mzw148.
- Sahin E, Terzioğlu F. The Effect of Gum Chewing, Early Oral Hydration, and Early Mobilization on Intestinal Motility After Cesarean Birth. *Worldviews Evid Based Nurs.* 2015;12(6):380–8. doi: 10.1111/wvn.12125. Epub 2015 Nov 27
- Schallom M, Dykeman B, Metheny N, Kirby J, Pierce J. Head-of-bed Elevation and Early Outcomes of Gastric Reflux, Aspiration and Pressure Ulcers: A Feasibility Study.
Am J Crit Care. 2015;24(1):57–66. doi:10.4037/ajcc2015781
- Sharif-Abdullah SSB, Chong MC, Surindar-Kaur SS, Kamaruzzaman SB, Ng KH. The Effect of Chlorhexidine in Reducing Oral Colonisation in Geriatric Patients: A Randomised Controlled Trial. *Singapore Med J.* 2016;57(5):262–6. doi:10.11622/smedj.2016091
- Tian L, Wendy G, Yutao L, Xiuqun Q, Xuelian L, Juan W, et al. Diagnostic accuracy of ultrasonography for detecting nasogastric tube (NGT) placement in adults: A systematic review and meta analysis. *Int J Nurs Stud.* 2017;71:80–8. doi:10.1016/j.ijnurstu.2017.03.005
- Zhang R, Ju XM. Clinical improvement of nursing intervention in swallowing dysfunction of elderly stroke patients. *Biomed Res.* 2018;29(6):1099–102. doi:10.4066/biomedicalresearch.29-17-3586

Risk for bleeding (00206)

- Brozenec, S.A. (2007). Hepatic Problems. In M. Neighbors, J.F. Marek, & C.J. Green, Nigro, F.D. Monahan, & J.K. Sands, (Eds.), *Phipp's medical-surgical nursing: health and illness perspectives* (8th ed., pp. 1315–1350). St Louis: Mosby Elsevier.

- Deitch, E.A. & Dayal, S.D. (2006). Intensive care unit management of the trauma patient. *Critical Care Medicine*, 34(9), 2294–2301, 2309.
- Erickson, J. & Field, R. (2007). Cancer. In M. Neighbors, J.F. Marek, & C.J. Green,-Nigro, F.D. Monahan, & J.K. Sands, (Eds.), *Phipp's medical-surgical nursing: health and illness perspectives* (8th ed., pp. 510–564). St Louis: Mosby Elsevier.
- Garrigues, A.L. (2007). Hematologic problems. In M. Neighbors, J.F. Marek, & C.J. Green,-Nigro, F.D. Monahan, & J.K. Sands, (Eds.), *Phipp's medical-surgical nursing: health and illness perspectives* (8th ed., pp. 908–942). St Louis: Mosby Elsevier.
- Kleinpill, R. (2007). Supporting independence in hospitalized elders in acute care. *Critical Care Nursing Clinics of North America* 19(3), 247–252.
- Lowdermilk, D. & Perry, S. (2006). *Maternity Nursing* (7th ed.). St. Louis: Mosby Elsevier.
- Marek, J. & Boehnlein, M. (2007). Postoperative Nursing. In M. Neighbors, J.F. Marek, & C.J. Green,-Nigro, F.D. Monahan, & J.K. Sands, (Eds.), *Phipp's medical-surgical nursing: health and illness perspectives* (8th ed., pp. 302–332). St Louis: Mosby Elsevier.
- Mattson, S. & Smith, J. (Eds.), *Core Curriculum for Maternal-Newborn Nursing* (3rd ed.). St Louis: Elsevier Saunders.
- Maxwell-Thompson, C. & Reid, K. (2007). Vascular Problems. In M. Neighbors, J.F. Marek, & C.J. Green,-Nigro, F.D. Monahan, & J.K. Sands, (Eds.), *Phipp's medical-surgical nursing: health and illness perspectives* (8th ed., pp. 857–896). St Louis: Mosby Elsevier.
- Sands, J.K. (2007). Stomach and duodenal problems. In M. Neighbors, J.F. Marek, & C. J. Green,-Nigro, F.D. Monahan, & J.K. Sands, (Eds.), *Phipp's medical-surgical nursing: health and illness perspectives* (8th ed., pp. 1204–1237). St Louis: Mosby Elsevier.
- Warshaw, M. (2007). Male Reproductive Problems. In M. Neighbors, J.F. Marek, & C.J. Green,-Nigro, F.D. Monahan, & J.K. Sands, (Eds.), *Phipp's medical-surgical nursing: health and illness perspectives* (8th ed., pp. 1721–1749). St Louis: Mosby Elsevier.

Impaired dentition (00048)

None at this time.

Risk for dry eye (00219)

- Araújo, D. D., Almeida, N. G., Silva, P. M. A., Ribeiro, N. S., Werli-Alvarenga, A., & Chianca, T. C. M. (2016). Prediction of risk and incidence of dry eye in critical patients. *Rev. Latino-Am. Enfermagem*, 24, e2689.
- Araújo, D.D., Silva, D.V.A., Rodrigues, C.A.O., Silva, P.O., Macieira, T.G.R., & Chianca, T.C.M. (2019). Effectiveness of Nursing Interventions to Prevent Dry Eye in Critically Ill Patients. *Am J Crit Care*. 28(4):299-306.
- Araújo, JNM, Botarelli, F.R., Fernandes A.P.N.L, Oliveira-Kumakura, A.R.S, Ferreira Júnior, M.A. & Vitor, A.F. (2019). Predictive clinical factors for ocular dryness in patients admitted to the Intensive Care Unit. *Rev. esc. enferm. USP*. 53: e03493.
- Argilés, M., Cardona, G., Pérez-Cabré, E., & Rodríguez, M. (2015). Blink Rate and Incomplete Blinks in Six Different Controlled Hard-Copy and Electronic Reading Conditions. *Investigative Ophthalmology & Visual Science*, 56(11), 6679. doi:10.1167/iovs.15-16967

- França, C.F, Fernandes, A.P., Carvalho, D.P., de Mesquita Xavier, S.S., Júnior, M.A., Botarelli, F.R., & Vitor, A.F. (2016). Evidence of interventions for the risk of dry eye in critically ill patients: An integrative review. *Applied Nursing Research*, 29, e14–7.
- Germano, E. M., Mello, M. J. G., Sena, D. F., Correia, J. B., & Amorim, M. M. (2009). Incidence and risk factors of corneal epithelial defects in mechanically ventilated children. *Critical care medicine*, 37(3), 1097–1100.
- Grixti, A., Sadri, M., Edgar, J., & Datta, A. V. (2012). Common ocular surface disorders in patients in intensive care units. *The ocular surface*, 10(1), 26–42.
- Güler, E.K., Eşer, İ., & Eğrilmez, S. (2011). Effectiveness of polyethylene covers versus carbomer drops (Viscotears®) to prevent dry eye syndrome in the critically ill. *Journal of clinical nursing*, 20(13-14), 1916–1922.
- Joyce, N. (2002). Eye Care for Intensive Care Patients: A Systematic Review. *Int J Evid Based Healthc*, 21(6):1–5.
- Joyce, N., & Evans, D. (2006). Eye care for patients in the ICU. *American Journal of Nursing*, 106(1), 72.
- Lin, H., & Yiu, S.C. (2014). Dry eye disease: a review of diagnostic approaches and treatments. *Saudi Journal of Ophthalmology*, 28, 173–181.
- Martinez, J.D., Galor, A., Ramos-Betancourt, N., Lisker-Cervantes, A., Beltrán, F., Ozorno-Zárate, J., Sánchez-Huerta, V., Torres-Vera, M.A., & Hernández-Quintela, E. (2016). Frequency and risk factors associated with dry eye in patients attending a tertiary care ophthalmology center in Mexico City. *Clinical Ophthalmology*, 10:1335–42.
- Sharma, A., & Hindman, H.B. (2014). Aging: a predisposition to dry eyes. *Journal of Ophthalmology*, 2014, 781683.
- Tang, Y.L., Cheng, Y.L., Ren, Y.P., Yu, X.N., & Shentu, X.C. (2016). Metabolic syndrome risk factors and dry eye syndrome: a Meta-analysis. *International Journal of Ophthalmology*, 9(7), 1038–45.
- Walsh, N. P., Fortes, M. B., Raymond-Barker, P., Bishop, C., Owen, J., Tye, E., ... Elghenzai, S. (2012). Is Whole-Body Hydration an Important Consideration in Dry Eye? *Investigative Ophthalmology & Visual Science*, 53(10), 6622. doi:10.1167/iovs.12-10175
- Werli-Alvarenga, A., Ercole, F.F., Botoni, F.A., Oliveira, J.A., & Chianca, T.C. (2011). Corneal injuries: incidence and risk factors in the intensive care unit. *Revista Latino-Americana de Enfermagem*, 19(5), 1088–1095.
- Zhou, Y., Liu, J., Cui, Y., Zhu, H., & Lu, Z. (2014). Moisture Chamber Versus Lubrication for Corneal Protection in Critically Ill Patients: A Meta Analysis. *Cornea*, 33(11), 1179–1185.

Ineffective dry eye self-management (00277)

- Alavi, N.M, Sharifitabar, Z., Shaeri, M., & Hajbaghery, M.A. (2013). An audit of eye dryness and corneal abrasion in ICU patients in Iran. *Nursing in Critical Care*, 19 (2), 73–77.
- Araújo, D. D., Almeida, N. G., Silva, P. M. A., Ribeiro, N. S., Werli-Alvarenga, A., & Chianca, T. C. M. (2016). Prediction of risk and incidence of dry eye in critical patients. *Rev. Latino-Am. Enfermagem*, 24, e2689.
- Araújo, D.D., Silva, D.V.A., Rodrigues, C.A.O., Silva, P.O., Macieira, T.G.R., & Chianca, T.C.M. (2019). Effectiveness of Nursing Interventions to Prevent Dry Eye in Critically Ill Patients. *Am J Crit Care*. 28(4):299-306.

- Araújo, J.N.M. (2019). Construção e validação do diagnóstico de enfermagem ressecamento ocular em pacientes adultos internados em unidade de terapia intensiva [doctoral thesis]. Natal: Universidade Federal do Rio Grande do Norte.
- Araújo, J.N.M., Botarelli, F.R., Fernandes A.P.N.L., Oliveira-Kumakura, A.R.S., Ferreira Júnior, M.A. & Vitor, A.F. (2019). Predictive clinical factors for ocular dryness in patients admitted to the Intensive Care Unit. *Rev. esc. enferm. USP*. 53: e03493.
- Argilés, M., Cardona, G., Pérez-Cabré, E., & Rodríguez, M. (2015). Blink Rate and Incomplete Blinks in Six Different Controlled Hard-Copy and Electronic Reading Conditions. *Investigative Ophthalmology & Visual Science*, 56(11), 6679. doi:10.1167/iops.15-16967
- Ayaki, M., Kawashima, M., Negishi, K., Kishimoto, T., Mimura, M., & Tsubota, K. (2016). Sleep and mood disorders in women with dry eye disease. *Scientific Reports*, 12(6), 35276.
- Bhama, P., & Bhrany, A.D. (2013). Ocular protection in facial paralysis. *Current Opinion in Otolaryngology & Head and Neck Surgery*, 21(4), 353–357.
- Bodenheimer, T. (2002). Patient Self-management of Chronic Disease in Primary Care. *JAMA*, 288(19), 2469. doi:10.1001/jama.288.19.2469
- Castellanos-González, J.A., Torres-Martínez, V., Martínez-Ruiz, A., Fuentes-Orozco, C., Rendón-Félix, J., Irusteta-Jiménez, L., Márquez-Valdez, A.R., Cortés-Lares, J.A., & González-Ojeda, A. (2016). Prevalence of dry eye syndrome in residents of surgical specialties. *BMC Ophthalmology*, 16:16:108.
- Champion, V., Skinner, C.S. (2008). The Health Belief Model. In: Glanz K, Rimer B, Viswanath K, editors. *Health behavior and health education*. 4. San Francisco, CA: Jossey-Bass. pp. 45–65.
- Courtin, R., Pereira, B., Naughton, G., Chamoux, A., Chiambaretta, F., Lanhers, C., & Dutheil, F. (2016). Prevalence of dry eye disease in visual display terminal workers: a systematic review and meta-analysis. *BMJ Open*, 6(1):e009675.
- Crnej, A., Kheirkhah, A., Ren, A., Mullins, A., Lavric, A., Suri, K., Hamrah, P., & Dana, R. (2016). Patients' perspectives on their dry eye disease. *The Ocular Surface*, 14(4), 440–446.
- Davies, N. J. (2010). Improving self-management for patients with long-term conditions. *Nursing Standard*, 24(25), 49–56. doi:10.7748/ns2010.02.24.25.49.c7562.
- Dwarswaard, J., Bakker, E. J., van Staa, A., & Boeije, H. R. (2016). Self-management support from the perspective of patients with a chronic condition: a thematic synthesis of qualitative studies. *Health Expectations*, 19(2), 194–208.
- França, C.F, Fernandes, A.P., Carvalho, D.P., de Mesquita Xavier, S.S., Júnior, M.A., Botarelli, F.R., & Vitor, A.F. (2016). Evidence of interventions for the risk of dry eye in critically ill patients: An integrative review. *Applied Nursing Research*, 29, e14–7.
- Germano, E. M., Mello, M. J. G., Sena, D. F., Correia, J. B., & Amorim, M. M. (2009). Incidence and risk factors of corneal epithelial defects in mechanically ventilated children. *Critical care medicine*, 37(3), 1097–1100.
- Grixti, A., Sadri, M., Edgar, J., & Datta, A. V. (2012). Common ocular surface disorders in patients in intensive care units. *The ocular surface*, 10(1), 26–42.
- Güler, E.K., Eşer, İ., & Eğrilmez, S. (2011). Effectiveness of polyethylene covers versus carbomer drops (Viscotears®) to prevent dry eye syndrome in the critically ill. *Journal of clinical nursing*, 20(13-14), 1916–1922.
- Güler, E.K., Eşer, İ., & Eğrilmez, S. (2018). Nurses can play an active role in the early diagnosis of exposure keratopathy in intensive care patients, *Japan Journal of Nursing Science*; 15(1): 31–38.

- Guo, Y., Peng, R., Feng, K., & Hong, J. (2016). Diagnostic performance of mmonnies questionnaire as a screening survey for dry eye: a multicenter analysis. *Journal of Ophthalmology*, 2016:6210853.
- Hua, R., Yao, K., Hu, Y., & Chen, L. (2014). Discrepancy between subjectively reported symptoms and objectively measured clinical findings in dry eye: a population based analysis. *BMJ Open*, 4, e005296.
- Jolly, K., Majothi, S., Sitch, A. J., Heneghan, N. R., Riley, R. D., Moore, D. J., Bates, E. J., Turner, A. M., Bayliss, S. E., Price, M. J., Singh, S. J., Adab, P., Fitzmaurice, D. A., & Jordan, R. E. (2016). Self-management of health care behaviors for COPD: a systematic review and meta-analysis. *International journal of chronic obstructive pulmonary disease*, 11, 305–326. doi:10.2147/COPD.S90812
- Joyce, N. (2002). Eye Care for Intensive Care Patients: A Systematic Review. *Int J Evid Based Healthc*, 21(6):1–5.
- Joyce, N., & Evans, D. (2006). Eye care for patients in the ICU. *American Journal of Nursing*, 106(1), 72.
- Lin, H., & Yiu, S.C. (2014). Dry eye disease: a review of diagnostic approaches and treatments. *Saudi Journal of Ophthalmology*, 28, 173–181.
- Listed, N. A. (2007). The definition and classification of dry eye disease: report of the Definition and Classification Subcommittee of the International Dry Eye Workshop. *Ocul. Surf*, 5, 75–92.
- Marshall, L.L., Roach, J.M. (2016). Treatment of Dry Eye Disease, 31(2), 96–106. Doi: 10.4140/TCP.n.2016.96.
- Martinez, J.D., Galor, A., Ramos-Betancourt, N., Lisker-Cervantes, A., Beltrán, F., Ozorno-Zárate, J., Sánchez-Huerta, V., Torres-Vera, M.A., & Hernández-Quintela, E. (2016). Frequency and risk factors associated with dry eye in patients attending a tertiary care ophthalmology center in Mexico City. *Clinical Ophthalmology*, 10:1335–42.
- McGinnigle, S., Naroo, S.A., & Eperjesi, F. (2012). Evaluation of dry eye. *Survey of Ophthalmology*, 57(4), 293–316.
- Morgan, H. M., Entwistle, V. A., Cribb, A., Christmas, S., Owens, J., Skea, Z. C., & Watt, I. S. (2017). We need to talk about purpose: a critical interpretive synthesis of health and social care professionals' approaches to self-management support for people with long-term conditions. *Health Expectations*, 20(2), 243–259.
- Not a Dry Eye Foundation. (n.d.). Treatments. <https://www.notadryeye.org/all-about-dry-eye-syndrome/treatments-for-dry-eye-syndrome-and-related-conditions/>
- Olaniyan, S.I., Fasina, O., Bekibeke, C.O., & Ogundipe, A.O. (2016). Dry eye disease in an adult population in South-West Nigeria. *Contact Lens and Anterior Eye*, 39(5), 359–64.
- Pender, N.J. (2011). Heath Promotion Model Manual. Michigan, United State: University of Michigan. Available from: [https://deepblue.lib.umich.edu/bitstream/handle/2027.42/85350/HEALTH_PROMOTION_MANUAL_Rev_5-2011.pdf.]
- Sharma, A., & Hindman, H.B. (2014). Aging: a predisposition to dry eyes. *Journal of Ophthalmology*, 2014, 781683.
- Tang, Y.L., Cheng, Y.L., Ren, Y.P., Yu, X.N., & Shentu, X.C. (2016). Metabolic syndrome risk factors and dry eye syndrome: a Meta-analysis. *International Journal of Ophthalmology*, 9(7), 1038–45.
- Tomlinson, A., Madden, L.C., & Simmons, P.A. (2013). Effectiveness of dry eye therapy under conditions of environmental stress. *Current Eye Research*, 38(2), 229–36.

- Tsubota, K., Yokoi, N., Shimazaki, J., Watanabe, H., Dogru, M., Yamada, M., Kinoshita, S., Kim, H.M., Tchah, H.W., Hyon, J.Y., Yoon, K.C., Seo, K.Y., Sun, X., Chen, W., Liang, L., Mingwu, L., & Liu, Z. (2016). New perspectives on dry eye definition and diagnosis: a consensus report by the asia dry eye society. *Ocular Surface*, pii, S1542–0124(16)30190–2.
- Walsh, N. P., Fortes, M. B., Raymond-Barker, P., Bishop, C., Owen, J., Tye, E., ... Elghenzai, S. (2012). Is Whole-Body Hydration an Important Consideration in Dry Eye? *Investigative Ophthalmology & Visual Science*, 53(10), 6622. doi:10.1167/iops.12–10175
- Werli-Alvarenga, A., Ercole, F.F., Botoni, F.A., Oliveira, J.A., & Chianca, T.C. (2011). Corneal injuries: incidence and risk factors in the intensive care unit. *Revista Latino-Americana de Enfermagem*, 19(5), 1088–1095.
- Zhang, X., Zhao, L., Deng, S., Sun, X., & Wang, N. (2016). Dry eye syndrome in patients with diabetes mellitus: prevalence, etiology, and clinical characteristics. *Journal of Ophthalmology*, 2016, 8201053.
- Zhou, Y., Liu, J., Cui, Y., Zhu, H., & Lu, Z. (2014). Moisture Chamber Versus Lubrication for Corneal Protection in Critically Ill Patients: A Meta Analysis. *Cornea*, 33(11), 1179–1185.

Risk for dry mouth (00261)

- Al-Dwairi Z, Lynch E. Xerostomia in complete denture wearers: prevalence, clinical findings and impact on oral functions. *Gerodontology*. 2014; 31(1):49–55
- Broccoletti R, Massolini G, Carbone M, et al. Potential benefit of nizatidine in female patients with idiopathic xerostomia: A pilot study. *Eur Geriatr Med*. 2013; 4(3):199–201
- Chuang S-F, Sung J-M, Kuo S-C, Huang J-J, Lee S-Y. Oral and dental manifestations in diabetic and nondiabetic uremic patients receiving hemodialysis. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*. 2005; 99(6):689–695
- Dyasanoor S, Saddu SC. Association of Xerostomia and Assessment of salivary flow using modified Schirmer test among smokers and healthy individuals: A preliminary study. *J Clin Diagn Res*. 2014; 8(1):211–213
- Fan W-F, Zhang Q, Luo L-H, Niu J-Y, Gu Y. Study on the clinical significance and related factors of thirst and xerostomia in maintenance hemodialysis patients. *Kidney Blood Press Res*. 2013; 37(4–5):464–474
- Fehder WP. Nursing care & management of pathological oral conditions among women and children. *MCN Am J Matern Child Nurs*. 2008; 33(1):38–44
- Güneş Z, Denat Y, Müezzinoğlu M, Şen, S, Yılmaz S, Atlı E. The risk factors effecting the dry mouth in inpatients in Hospital in west Anatolia. *J Clin Nurs*. 2012; 21(3–4): 408–414
- Han G, Park JW, Ko SJ, et al. Yukmijihwang-tang for the treatment of xerostomia in the elderly: study protocol for a randomized, double-blind, placebo-controlled, two-center trial. *Trials*. 2013; 14:281
- Kim JH, Ahn HJ, Choi JH, Jung DW, Kwon JS. Effect of 0.1% pilocarpine mouthwash on xerostomia: double-blind, randomised controlled trial. *J Oral Rehabil*. 2014; 41(3):226–235
- Meurman JH, Tarkkila L, Tiitinen A. The menopause and oral health. *Maturitas*. 2009; 63(1):56–62

- Zhuang L, Yang Z, Zeng X, et al. The preventive and therapeutic effect of acupuncture for radiation-induced xerostomia in patients with head and neck cancer: a systematic review. *Integr Cancer Ther.* 2013; 12(3):197–205
- Ohara Y, Hirano H, Yoshida H, et al. Prevalence and factors associated with xerostomia and hyposalivation among community-dwelling older people in Japan. *Gerodontology.* 2016; 33(1):20–27
- Spiegelberg L, Braks JAM, Djasim UM, Farrell E, van der Wal KGH, Wolvius EB. Effects of hyperbaric oxygen therapy on the viability of irradiated soft head and neck tissues in mice. *Oral Dis.* 2014; 20(3):e111–e119
- Taichman LS, Gomez G, Inglehart MR. Oral health-related complications of breast cancer treatment: assessing dental hygienists' knowledge and professional practice. *J Dent Hyg.* 2014; 88(2):100–113

Risk for adult falls (00303)

- American Geriatrics Society; British Geriatrics Society. AGS/BGS Clinical practice guideline: for prevention of falls in older persons [Internet]. New York: AGS; 2010 [access 02 jan 2020]. Available from: https://geriatricscareonline.org/application/content/products/CL014/html/CL014_BOOK001.html
- Berry S, Kiel DP. Falls: Prevention in nursing care facilities and the hospital setting. (2018). UpToDate. Available from: <https://www.uptodate.com/contents/falls-prevention-in-nursing-care-facilities-and-the-hospital-setting>
- Brito, Mychelangel de Assis, Melo, Anastacia Maria Nunes, Veras, Iara de Carvalho, Oliveira, Celia Maria Soares de, Bezerra, Maria Augusta Rocha, & Rocha, Silvana Santiago da. (2017). Risk factors in the domestic environment for falls in children under five years of age. *Revista Gaúcha de Enfermagem*, 38(3), e2017–0001.
- Cameron ID, Dyer SM, Panagoda CE, Murray GR, Hill KD, Cumming RG, Kerse N. Interventions for preventing falls in older people in care facilities and hospitals. *Cochrane Database of Systematic Reviews* 2018, Issue 9. Art. No.: CD005465.
- Chehuen Neto JA, Braga NAC, Brum IV, Gomes GF, Tavares PL, Silva RTC, Freire MR, & Ferreira RE. (2018). Awareness about falls and elderly people's exposure to household risk factors. *Ciência & Saúde Coletiva*, 23(4), 1097–1104.
- Deandrea S, Bravi F, Turati F, Lucenteforte E, La Vecchia C, Negri E. Risk factors for falls in older people in nursing homes and hospitals. A systematic review and meta-analysis. *Arch Gerontol Geriatr.* 2013;56(3):407–15.
- DiGerolamo K, Davis KF. An Integrative Review of Pediatric Fall Risk Assessment Tools. *J Pediatr Nurs.* 2017;34:23–28.
- Francis-Coad J, Etherton-Beer C, Burton E, Naseri C, Hill AM. Effectiveness of complex falls prevention interventions in residential aged care settings: a systematic review. *JBIC Database System Rev Implement Rep.* 2018;16(4):973–1002.
- Gillespie LD, Robertson MC, Gillespie WJ, Sherrington C, Gates S, Clemson LM, Lamb SE. Interventions for preventing falls in older people living in the community. *Cochrane Database Syst Rev.* 2012 Sep 12;(9):CD007146.
- Hendrich A. How to try this: predicting patient falls. Using the Hendrich II Fall Risk Model in clinical practice. *Am J Nurs.* 2007;107: 50–58; quiz 58–59.
- Hopewell S, Adedire O, Copey BJ, Boniface GJ, Sherrington C, Clemson L, Close JC, Lamb SE. Multifactorial and multiple component interventions for preventing falls in older people living in the community. *Cochrane Database Syst Rev.* 2018 Jul 23;7: CD012221. https://www.who.int/violence_injury_prevention/other_injury/falls/en/

- Kiel DP. Falls in older persons: Risk factors and patient evaluation. (2018). UpToDate. Available from: <https://www.uptodate.com/contents/falls-in-older-persons-risk-factors-and-patient-evaluation>
- Kiel DP. Falls: Prevention in community-dwelling older persons. (2019). UpToDate. Available from: <https://www.uptodate.com/contents/falls-prevention-in-community-dwelling-older-persons>
- Lee SH, Kim KS, Lee JS, Lee J, Kim SD. Risk factors and incidence of falls among fifth- and sixth-grade children in Seoul, South Korea. *Southeast Asian J Trop Med Public Health*. 2015;46(5):924–38.
- Lusardi MM1, Fritz S, Middleton A, Allison L, Wingood M, Phillips E, Criss M, Verma S, Osborne J, Chui KK. Determining Risk of Falls in Community Dwelling Older Adults: A Systematic Review and Meta-analysis Using Posttest Probability. *J Geriatr Phys Ther*. 2017;40(1):1–36.
- Matarese, M., Ivziku, D., Bartolozzi, F., Piredda, M., & De Marinis, M. G. (2014). Systematic review of fall risk screening tools for older patients in acute hospitals. *Journal of Advanced Nursing*, 71(6), 1198–1209.
- Mateen, B. A., Bussas, M., Doogan, C., Waller, D., Saverino, A., Király, F. J., & Playford, E. D. (2018). The Trail Making test: a study of its ability to predict falls in the acute neurological in-patient population. *Clinical Rehabilitation*, 026921551877112.
- Moller UO, Kristensson J, Midl.v P et al.(2012) Predictive validity and cut-off cores in four diagnostic tests for falls-A study in frail older people at home. *Phys Occup Ther Geriatr* 30:189–201.
- National Institute for Health and Care Excellence. (2013). Falls in older people: assessing risk and prevention. Clinical guideline CG161. Available from: <https://www.nice.org.uk/guidance/cg161>
- Pack AM. Falls and fractures in patients with epilepsy: is there an increased risk? If so, why? *Neurology*. 2012;79(2):119–20.
- Park SH. Tools for assessing fall risk in the elderly: a systematic review and meta-analysis. *Aging Clin Exp Res*. 2018 Jan;30(1):1–16.
- Pena Silvana Barbosa, Guimarães Heloísa Cristina Quatrini Carvalho Passos, Lopes Juliana Lima, Guandalini Lidia Santiago, Taminato Mônica, Barbosa Dulce Aparecida et al. Fear of falling and risk of falling: a systematic review and meta-analysis. *Acta paul. enferm.* [Internet]. 2019 Aug [cited 2020 June 30]; 32(4): 456–463. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0103-21002019000400456&lng=en. Epub Aug 12, 2019. doi:10.1590/1982-0194201900062.
- Reis, KMC, & Jesus, CAC. (2015). Cohort study of institutionalized elderly people: fall risk factors from the nursing diagnosis. *Revista Latino-Americana de Enfermagem*, 23(6), 1130–1138.
- Santos, SSC, Silva, ME, Pinho, LB, Gautério, DP, Pelzer, MT, & Silveira, RS. (2012). Risk of falls in the elderly: an integrative review based on the north american nursing diagnosis association. *Revista da Escola de Enfermagem da USP*, 46(5), 1227–1236.
- Sherrington C, Fairhall NJ, Wallbank GK, Tiedemann A, Michaleff ZA, Howard K, Clemson L, Hopewell S, Lamb SE. (2019). Exercise for preventing falls in older people living in the community: an abridged Cochrane systematic Review. *Br J Sports Med*. 2019 Dec 2. pii: bjsports-2019-101512.
- Sousa, LMM, Marques-Vieira, CMA, Caldevilla, MNGN, Henriques, CMAD, Severino, SSP, & Caldeira, SMA. (2016). Risk for falls among community-dwelling older people: systematic literature review. *Revista Gaúcha de Enfermagem*, 37(4), e55030.

- Urbanetto JS, Pasa, TS, Bittencout, HR, Franz, F, Rosa, VPP, & Magnago, TSBS. (2016). Analysis of risk prediction capability and validity of Morse Fall Scale Brazilian version. *Revista Gaúcha de Enfermagem*, 37(4), e62200.
- Williams L. Identifying Risk for Falls in Pediatric Patients. *AACN Adv Crit Care*. Fall 2018;29(3):343–347.
- World Health Organization. (2018). Falls: Key facts. Available from: <https://www.who.int/news-room/fact-sheets/detail/falls>

Risk for child falls (00306)

- Brito MA, Melo AMN, Veras IC, Oliveira CMS, Bezerra MAR, Rocha SR. Risk factors in the domestic environment for falls in children under five years of age. *Rev. Gaúcha Enferm*. [Internet]. 2017 [cited 2020 June 30]; 38(3): e2017-0001. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1983-14472017000300408&lng=en. Epub Apr 05, 2018. doi:10.1590/1983-1447.2017.03.2017-000
- Child Health Corporation of America Nursing Falls Study Task Force. Pediatric falls: state of the science. *Pediatr Nurs*. 2009;35(4):227–231.
- Düzkaya DS, Keshin NO, Sönmez B, Polat S. The evaluation of the risk of falling in pediatric patients. *International Journal of Scientific Research*. 2013; 2(12):384–387.
- Gill AC, Kelly NR. Prevention of falls in children. *UpToDate* 2020. <https://www.uptodate.com/contents/prevention-of-falls-in-children>
- Harvey, K., Kramlich, D., Chapman, J., Parker, J., & Blades, E. (2010). Exploring and evaluating five paediatric falls assessment instruments and injury risk indicators: an ambispective study in a tertiary care setting. *Journal of Nursing Management*, 18(5), 531–541. Doi:10.1111/j.1365-2834.2010.01095.x
- Kendrick, D., Maula, A., Reading, R., Hindmarch, P., Coupland, C., Watson, M., ... Deave, T. (2015). Risk and Protective Factors for Falls From Furniture in Young Children. *JAMA Pediatrics*, 169(2), 145. doi:10.1001/jamapediatrics.2014.2374
- Penny Benford, Denise Kendrick, Michael Craid Watson, et al. Risk and protective factors for falls on one level in young children: multicentre case-control study. (*Inj Prev* 2015;21:381–388).
- Razmus, I, Wilson, D, Smith, R, & Newman, E. (2006). Falls in hospitalized children. *Pediatric Nursing*, 32(6), 568–572.
- The Joint Comission. Nursing Care Center: 2020 National Patient Safety Goals. [Internet]. 2020. Access on 2020 Oct 14. Available from: <https://www.jointcommission.org/standards/national-patient-safety-goals/nursing-care-center-2020-national-patient-safety-goals/>
- World Healthy Organization. Children and Falls. [Internet]. Access on 2020 Oct 14. Available from: https://www.who.int/violence_injury_prevention/child/injury/world_report/Falls_english.pdf
- World Healthy Organization. Falls. [Internet]. 2018. Access on 2020 Oct 14. Available from: https://www.who.int/violence_injury_prevention/other_injury/falls/en/

Risk for injury (00035)

None at this time.

Risk for corneal injury (00245)

- Bron, A.J. (1997). The doyne lecture: Reflections on the tears. *Eye*. 11(Pt.5), 583–602.

- Cortese, D., Capp, L., McKinley, S. (1995). Moisture chamber versus lubrication for the prevention of corneal epithelial breakdown. *American Journal of Critical Care*, 4(6), 425–428.
- Cunningham, C., & Gould, D. (January 01, 1998). Eyecare for the sedated patient undergoing mechanical ventilation: the use of evidence-based care. *International Journal of Nursing Studies*, 35(1–2), 32–40.
- Dawson, D. (April 01, 2005). Development of a new eye care guideline for critically ill patients. *Intensive and Critical Care Nursing*, 21(2), 119–122.
- Ezra, D. G., Healy, M., & Coombes, A. (January 01, 2005). Assessment of corneal epitheliopathy in the critically ill. *Intensive Care Medicine*, 31(2), 313.
- Ezra, D. G., Lewis, G., Healy, M., & Coombes, A. (January 01, 2005). Preventing exposure keratopathy in the critically ill: a prospective study comparing eye care regimes. *The British Journal of Ophthalmology*, 89(8), 1068–1069.
- Ezra, D. G., Chan, M. P. Y., Solebo, L., Malik, A. N. J., Coombes, A., Crane, E., & Healy, M. (2009) Randomised trial comparing ocular lubricants and polyacrylamide hydrogel dressings in the prevention of exposure keratopathy in the critically ill. *Intensive Care Medicine*, 35(3), 455–461.
- Germano, E.M., Mello, M.J., Sena, D.F., Correia, J.B., & Amorim, M.M. (2009). Incidence and risk factors of corneal epithelial defects in mechanically ventilated children. *Critical Care Medicine*, 37(3), 1–4.
- Hernandez, E.V., & Mannis, M.J. (1997). Superficial keratopathy in intensive care unit patients. *American Journal of Ophthalmology*, 124(2), 212–216.
- Imanaka, H., Taenaka, N., Nakamura, J., Aoyama, K., & Hosotani, H. (1997). Ocular surface disorders in the critically ill. *Anesthesia and Analgesia*, 85(2), 343–346.
- Joyce, N. (2002). Eye care for the intensive care patient (p.1–87). Adelaide, SA, Australia: Joanna Briggs Institute for Evidence Based Nursing and Midwifery.
- Kanski, J.J. (2007). *Clinical ophthalmology: A systematic approach*. Edinburgh: Butterworth-Heinemann/Elsevier.
- Koroloff, N., Boots, R., Lipman, J., Thomas, P., Rickard, C., & Coyer, F. (January 01, 2004). A randomised controlled study of the efficacy of hypromellose and Lacri-Lube combination versus polyethylene/Cling wrap to prevent corneal epithelial breakdown in the semiconscious intensive care patient. *Intensive Care Medicine*, 30(6), 1122–1126.
- Latkany, R. (2008). Dry eyes: etiology and management. *Current Opinion in Ophthalmology*, 19(4), 287–291.
- Latkany, R., Lock, B., & Speaker, M. (2006). Nocturnal Lagophthalmos: An Overview and Classification. *The Ocular Surface*, 4(1), 44–53.
- Lenart, S.B., & Garrity, J.A. (2000). Eye care for patients receiving neuromuscular blocking agents or propofol during mechanical ventilation. *American Journal of Critical*, 9(3), 188–191.
- Mercieca, F., Suresh, P., Morton, A., & Tullo, A. (1999). Ocular surface disease in intensive care unit patients. *Eye*, 13(2), 231–236.
- Moss, S. E., Klein, R., & Klein, B. E. (2004). Incidence of dry eye in an older population. *Archives of Ophthalmology*, 122(3), 369–373.
- Parkin, B., Cook, S. (2000). A clear view: The way forward for eye care on ICU. *Intensive Care Medicine*, 36(2), 155–156.
- Rao, S.N. (2008). Progression: the new approach to dry eye. *Review of Ophthalmology*, 15(10), 55–58.

- Rosenberg, J.B., & Eisen, L.A. (2008). Eye care in the intensive care unit: narrative review and meta-analysis. *Critical Care Medicine*, 36(12), 3151–3155.
- Sahai, A., Malik, P. (2005). Dry eye: prevalence and attributable risk factors in a hospital-based population. *Indian Journal of Ophthalmology*, 53(2), 87–91.
- Schiffman, R.M., Walt, J.G., Jacobsen, G., Doyle, J.J., Lebovics, G., & Sumner, W. (2003). Utility assessment among patients with dry eye disease. *Ophthalmology*, 110(7), 1412–1419.
- Sivasankar, S., Jasper, S., Simon, S., et al. (2006). Eye care in ICU. *Indian J Crit Care Med*, 10, 11–14.
- So, H.M., Lee C.C., Leung, A.K., Lim, J.M., Chan, C.S., & Yan, W.W. (2008). Comparing the effectiveness of polyethylene covers with lanolin eye ointment to prevent corneal abrasions in critically ill patients: A randomized controlled study. *International Journal of Nursing Studies*, 45(11), 1565–1571.
- Suresh, P., Mercieca, F., Morton, A., & Tullo, A.B. (2000). Eye care for the critically ill. *Intensive Care Medicine*, 26(2), 162–166.
- Werli-Alvarenga, A. (2010). Injuries in the cornea: incidence and risk factors in the Intensive Care Units for adults (Master Thesis, Federal University of Minas Gerais). Retrieved from http://www.dominiopublico.gov.br/pesquisa/PesquisaObraForm.do?select_action=&co_autor=118560

Nipple-areolar complex injury (00320)

- Abd-El salam S, Hamido S, Howyida SA. Effect of using pharmacological versus alternative therapy on traumatic nipples for lactating mothers. *J Am Sci*. 2011;7(11):485–96.
- Abou-Dakn M, Fluhr JW, Gensch M, Wöckel A Positive effect of HPA lanolin versus expressed breastmilk on painful and damaged nipples during lactation. *Skin Pharmacol Physiol*. 2011;24(1):27–35
- Amir LH, Jones LE, Buck ML. Nipple pain associated with breastfeeding: incorporating current neurophysiology into clinical reasoning. *Aust Fam Physician*. 2015;44(3):127–132.
- Babazade R, Vadhera RB, Krishnamurthy P, Varma A, Doulatram G, Saade GR, Turan A. Acute postcesarean pain is associated with in-hospital exclusive breastfeeding, length of stay and post-partum depression. *Journal of clinical anesthesia*. 2020;62:109697. doi:10.1016/j.jclinane.2019.109697
- Batista CL, Rodrigues VP, Ribeiro VS, Nascimento MD. Nutritive and non-nutritive sucking patterns associated with pacifier use and bottle-feeding in full-term infants. *Early Human Development*. 2019;132:18–23. doi:10.1016/j.earlhumdev.2019.03.007
- Bourdillon K, McCausland T, Jones S. Latch-related nipple pain in breastfeeding women: the impact on breastfeeding outcomes. *British Journal of Midwifery*. 2020 Jul 2;28(7):406–14. doi:10.12968/bjom.2020.28.7.406
- Brasil. Ministério da Saúde. Secretaria de Atenção à Saúde. Departamento de Atenção Básica. Saúde da criança: aleitamento materno e alimentação complementar. *Cadernos de Atenção Básica* nº 23. 2. ed. Brasília: Ministério da Saúde; 2015. 184p.
- Brent N, Rudy SJ, Redd B, Rudy TE, Roth LA. Sore nipples in breast-feeding women: a clinical trial of wound dressings vs conventional care. *Arch Pediatr Adolesc Med*. 1998; 152(11):1077–82.
- Coca KP, Amir LH, Alves MDRDS, Barbieri M, Marcacine KO, de Vilhena Abrão ACF. Measurement tools and intensity of nipple pain among women with or without

- damaged nipples: A quantitative systematic review. *J Adv Nurs*. 2019;75(6):1162–1172. doi:10.1111/jan.13908
- Centuori S, Burmaz T, Ronfani L, Fragiaco M, Quintero S, Pavan C, Davanzo R, Cattaneo A. Nipple care, sore nipples, and breastfeeding: a randomized trial. *J Hum Lact*. 1999; 15(2): 125–30.
- Cervellini MP, Gamba MA, Coca KP, Abrão ACFV. Injuries resulted from breastfeeding: a new approach to a known problem. *Rev. Esc. Enferm. USP*. 2014; 48(2): 346–6. doi:10.1590/S0080–6234201400002000021.
- Chaves MEA, Araújo AR, Santos SF, Pinotti M, Oliveira LS. LED phototherapy improves healing of nipple trauma: a pilot study. *Photomedicine and Laser Surgery*. 2012; 30(3):172–78.
- Cirico MOV, Shimoda GT, Oliveira, RNG. Healthcare quality in breastfeeding: implementation of the nipple trauma index. *Rev Gaúcha Enferm*. 2016;37(4):e60546. doi: <http://dx.doi.org/10.1590/1983–1447.2016.04.60546>
- Coca KP, Abrão AC. An evaluation of the effect of lanolina in healing nipple injuries. *Acta Paul Enferm*. 2008;21(1):11–6.
- Coca KP, Gamba MA, Silva RS, Abrão ACFV. A posição de amamentar determina o aparecimento do trauma mamilar? *Revista da Escola de enfermagem da USP*. 2009; 43(2):446–52.
- Coca KP, Gamba MA, Silva RSE, Abrão ACFV. Factors associated with nipple trauma in the maternity unit. *J Pediatr*. 2009; 85 (4): 341–5.
- Cunha AMS, Martins VE, Lourdes ML, Paschoini MC, Parreira BDM, Ruiz MT. Prevalence of nipple traumas and related factors among post-partum women assisted in a teaching hospital. *Esc. Anna Nery*. 2019; 23(4): e20190024. doi:10.1590/2177–9465-ean-2019–0024.
- Dennis CL, Jackson K, Watson J. Interventions for treating painful nipples among breastfeeding women. *Cochrane Database of Syst Rev*. 2014(12):CD007366.
- Dias JS, Vieira TO, Vieira GO. Factors associated to nipple trauma in lactation period: a systematic review. *Rev Bras Saúde Matern Infant*. 2017;17(1). Available from: doi:10.1590/1806–93042017000100003.
- Essa MS, Ebrahim EM. Effect of breast milk versus therapeutic honey (Apicare) on cracked nipples' healing. *Life Science J*, 2013;10(1):2137–47
- França MCT, Giugliani ERJ, Oliveira LD, Weigert EML, Santo LCE, Köhler CV et al. Uso de mamadeira no primeiro mês de vida: determinantes e influência na técnica de amamentação. *Rev. Saúde Pública*. 2008; 42(4):607–14. doi:10.1590/S0034–89102008005000028.
- Heller MM, Fullerton-Stone H, Murase JE. Caring for new mothers: diagnosis, management and treatment of nipple dermatitis in breastfeeding mothers. *International journal of dermatology*. 2012;51(10):1149–61. doi:10.1111/j.1365–4632.2011.05445.x
- Ingram J, Johnson D, Copeland M, Taylor HJ. The development of a new breastfeeding assessment tool and the relationship with breast feeding self-efficacy. *Midwifery*. 2015;31(1):132–7.
- Johnson TS, Strube K. Breast care during pregnancy. *Journal of Obstetric, Gynecologic & Neonatal Nursing*. 2011;40(2):144–8. doi:10.1111/j.1552–6909.2011.01227.x
- Karlström A, Engström-Olofsson R, Norbergh KG, Sjöling M, Hildingsson I. Postoperative pain after cesarean birth affects breastfeeding and infant care. *Journal of Obstetric, Gynecologic & Neonatal Nursing*. 2007 Sep 1;36(5):430–40. doi:10.1111/j.1552–6909.2007.00160.x

- Livingstone V, Stringer LJ. The treatment of staphylococcus infected sore nipples: a randomized comparative study. *J Hum Lact.* 1999; 15(3):241–46.
- Mariani Neto C, de Albuquerque RS, de Souza SC, Giesta RO, Fernandes APS, Mondin B. Comparative Study of the Use of HPA Lanolin and Breast Milk for Treating Pain Associated with Nipple Trauma. *Rev Bras Ginecol Obstet.* 2018; 40:664–72. doi:10.1055/s-0038–1675180.
- McClellan HL, Kent JC, Hepworth AR, Hartmann PE, Geddes DT. Persistent nipple pain in breastfeeding mothers associated with abnormal infant tongue movement. *Int J Environ Res Public Health.* 2015;12(9):10833–45
- Minosso KC, Toso BR, Piva EK, Christoffel MM. Validation of the knowledge breastfeeding scale into brazilian portuguese. *Acta Paul Enferm.* 2020 May 5;33. doi:10.37689/acta-ape/2020AO0067
- Montrone AV, Arantes CI, Nassar AC, Zanon T. Trauma mamilar e a prática de amamentar: estudo com mulheres no início da lactação. *Rev APS.* 2006;9(2):168–74.
- Moraes M, Silva L, Faliú B, Sosa C. Técnica de alimentación a pecho y aparición de trauma del pezón previo al alta hospitalaria. *Arch Pediatr Urug.* 2011;82(1):10–7.
- Nakamura M, Asaka Y, Ogawara Ta, Yoroze Y. Breastfeeding Medicine. 2018;13(7):479–84. <http://doi.org/10.1089/bfm.2017.0217>
- Nakamura M, Asaka Y, Ogawara T, Yoroze Y. Nipple Skin Trauma in Breastfeeding Women During Postpartum Week One. *Breastfeed Med.* 2018;13(7):479–484. doi:10.1089/bfm.2017.0217
- Niazi A, Rahimi VB, Soheili-Far S, Askari N, Rahmanian-Devin P, Sanei-Far Z, Sahebkar A, Rakhshandeh H, Askari VR. A systematic review on prevention and treatment of nipple pain and fissure: are they curable? *Journal of pharmacopuncture.* 2018;21(3):139. doi:10.3831/KPI.2018.21.017
- O'Shea JE, Foster JP, O'Donnell CPF, Breathnach D, Jacobs SE, Todd DA, Davis PG. Frenotomy for tongue-tie in newborn infants. *Cochrane Database of Systematic Reviews* 2017, Issue 3. Art. No.: CD011065. doi:10.1002/14651858.CD011065.pub2.
- Santos KJ, Santana GS, Vieira TO, Santos CA, Giugliani ER, Vieira GO. Prevalence and factors associated with cracked nipples in the first month postpartum. *BMC Pregnancy Childbirth.* 2016;16(1):209. Available from: doi:10.1186/s12884-016-0999-4.
- Shimoda GT, Aragaki IMM, Sousa CA, Silva IA. Association between persistent nipple lesions and breastfeeding conditions. *Rev Min Enferm.* 2014; 18(1): 68–74. <http://www.dx.doi.org/10.5935/1415-2762.20140006>
- Shimoda GT, Silva IA, Santos JLF. Characteristics, frequency and factors present in nipples damage occurrence in lactating women. *Rev Bras Enferm.* 2005; 58 (5): 529–34.
- Tait P. Nipple pain in breastfeeding women: causes, treatment, and prevention strategies. *Journal of midwifery & women's health.* 2000 May 1;45(3):212–5. doi.org/10.1016/S1526-9523(00)00011-8
- Thompson R, Kruske S, Barclay L, Linden K, Gao Y, Kildea S. Potential predictors of nipple trauma from an in-home breastfeeding programme: A cross-sectional study. *Women Birth.* 2016;29(4):336–44. Available from: doi:10.1016/j.wombi.2016.01.002.
- Vieira F, Mota DDCF, Castral TC, Guimarães JV, Salge AKM, Bachion MM. Effects of Anhydrous Lanolin versus Breast Milk Combined with a Breast Shell for the Treatment of Nipple Trauma and Pain During Breastfeeding: A Randomized Clinical Trial. *J Midwifery Womens Health.* 2017 Sep;62(5):572–9. doi: 10.1111/jmwh.12644.

- Vieira F. The effect of lanolin anhydrous compared to breast milk combined with protection shells to treat nipple pain and trauma in breastfeeding mothers: a randomized clinical trial [thesis]. Goiânia: College of Nursing/UFG; 2013. p. 170.
- Vinha VHP, Pelá NTR, Shimo AKK, Scochi CGS. Trauma mamilar: proposta de tratamento. *Femina*. 1987; 15 (5): 370–8.
- Walker M, Driscoll JW. Sore nipples: the new mother's nemesis. *MCN Am J Matern Child Nurs*. 1989;14(4):260–5.
- Weigert EML, Giugliani E RJ, França MCT, Oliveira LD, Bonilha A, Espírito Santo LC, Köhler CVF. Influência da técnica de amamentação nas frequências de aleitamento materno exclusivo e lesões mamilares no primeiro mês de lactação. *J Pediatr*. 2005; 81(4):310–6.
- Wockel A, Schumann M, Abou-Dakn M: Development of a wound score for the evaluation of cracked nipples during lactation. *Arch Gyn Obst* 2004;17(suppl 1):270.
- Ziemer MM, Cooper DM, Pigeon JG. Evaluation of a dressing to reduce nipple pain and improve nipple skin condition in breastfeeding women. *Nurs Res*. 1995; 44 (6): 347–51.
- Ziemer MM, Pigeon JG. Skin changes and pain in the nipple during the 1st week of lactation. *J Obstet Gynecol Neonatal Nurs*. 1993;22(3):247–56.

11.2.1 Risk for nipple-areolar complex injury (00321)

- Abd-Elsalam S, Hamido S, Howyida SA. Effect of using pharmacological versus alternative therapy on traumatic nipples for lactating mothers. *J Am Sci*. 2011;7(11):485–96.
- Abou-Dakn M, Fluhr JW, Gensch M, Wöckel A Positive effect of HPA lanolin versus expressed breastmilk on painful and damaged nipples during lactation. *Skin Pharmacol Physiol*. 2011;24(1):27–35
- Amir LH, Jones LE, Buck ML. Nipple pain associated with breastfeeding: incorporating current neurophysiology into clinical reasoning. *Aust Fam Physician*. 2015;44 (3):127–132.
- Babazade R, Vadhera RB, Krishnamurthy P, Varma A, Doulatram G, Saade GR, Turan A. Acute postcesarean pain is associated with in-hospital exclusive breastfeeding, length of stay and post-partum depression. *Journal of clinical anesthesia*. 2020;62:109697. doi:10.1016/j.jclinane.2019.109697
- Batista CL, Rodrigues VP, Ribeiro VS, Nascimento MD. Nutritive and non-nutritive sucking patterns associated with pacifier use and bottle-feeding in full-term infants. *Early Human Development*. 2019;132:18–23. doi:10.1016/j.earlhumdev.2019.03.007
- Bourdillon K, McCausland T, Jones S. Latch-related nipple pain in breastfeeding women: the impact on breastfeeding outcomes. *British Journal of Midwifery*. 2020 Jul 2;28(7):406–14. doi:10.12968/bjom.2020.28.7.406
- Brasil. Ministério da Saúde. Secretaria de Atenção à Saúde. Departamento de Atenção Básica. Saúde da criança: aleitamento materno e alimentação complementar. *CADERNOS DE ATENÇÃO BÁSICA* nº 23. 2. ed. Brasília: Ministério da Saúde; 2015. 184p.
- Brent N, Rudy SJ, Redd B, Rudy TE, Roth LA. Sore nipples in breast-feeding women: a clinical trial of wound dressings vs conventional care. *Arch Pediatr Adolesc Med*. 1998; 152(11):1077–82.
- Coca KP, Amir LH, Alves MDRDS, Barbieri M, Marcacine KO, de Vilhena Abrão ACF. Measurement tools and intensity of nipple pain among women with or without damaged nipples: A quantitative systematic review. *J Adv Nurs*. 2019;75(6):1162–1172. doi:10.1111/jan.13908

- Centuori S, Burmaz T, Ronfani L, Fragiaco M, Quintero S, Pavan C, Davanzo R, Cattaneo A. Nipple care, sore nipples, and breastfeeding: a randomized trial. *J Hum Lact.* 1999; 15(2): 125–30.
- Cervellini MP, Gamba MA, Coca KP, Abrão ACFV. Injuries resulted from breastfeeding: a new approach to a known problem. *Rev. Esc. Enferm. USP.* 2014; 48(2): 346–6. doi:10.1590/S0080-6234201400002000021.
- Chaves MEA, Araújo AR, Santos SF, Pinotti M, Oliveira LS. LED phototherapy improves healing of nipple trauma: a pilot study. *Photomedicine and Laser Surgery.* 2012; 30(3):172–78.
- Cirico MOV, Shimoda GT, Oliveira, RNG. Healthcare quality in breastfeeding: implementation of the nipple trauma index. *Rev Gaúcha Enferm.* 2016;37(4):e60546. doi: <http://dx.doi.org/10.1590/1983-1447.2016.04.60546>
- Coca KP, Abrão AC. An evaluation of the effect of lanolina in healing nipple injuries. *Acta Paul Enferm.* 2008;21(1):11–6.
- Coca KP, Gamba MA, Silva RS, Abrão ACFV. A posição de amamentar determina o aparecimento do trauma mamilar? *Revista da Escola de enfermagem da USP.* 2009; 43(2):446–52.
- Coca KP, Gamba MA, Silva RSE, Abrão ACFV. Factors associated with nipple trauma in the maternity unit. *J Pediatr.* 2009; 85 (4): 341–5.
- Cunha AMS, Martins VE, Lourdes ML, Paschoini MC, Parreira BDM, Ruiz MT. Prevalence of nipple traumas and related factors among post-partum women assisted in a teaching hospital. *Esc. Anna Nery.* 2019; 23(4): e20190024. doi:10.1590/2177-9465-ean-2019-0024.
- Dennis CL, Jackson K, Watson J. Interventions for treating painful nipples among breastfeeding women. *Cochrane Database of Syst Rev.* 2014(12):CD007366.
- Dias JS, Vieira TO, Vieira GO. Factors associated to nipple trauma in lactation period: a systematic review. *Rev Bras Saúde Matern Infant.* 2017;17(1). Available from: doi:10.1590/1806-93042017000100003.
- Essa MS, Ebrahim EM. Effect of breast milk versus therapeutic honey (Apicare) on cracked nipples' healing. *Life Science J.* 2013;10(1):2137–47
- França MCT, Giugliani ERJ, Oliveira LD, Weigert EML, Santo LCE, Köhler CV et al. Uso de mamadeira no primeiro mês de vida: determinantes e influência na técnica de amamentação. *Rev. Saúde Pública.* 2008; 42(4):607–14. doi:10.1590/S0034-89102008005000028.
- Heller MM, Fullerton-Stone H, Murase JE. Caring for new mothers: diagnosis, management and treatment of nipple dermatitis in breastfeeding mothers. *International journal of dermatology.* 2012;51(10):1149–61. doi:10.1111/j.1365-4632.2011.05445.x
- Ingram J, Johnson D, Copeland M, Taylor HJ. The development of a new breastfeeding assessment tool and the relationship with breast feeding self-efficacy. *Midwifery.* 2015;31(1):132–7.
- Johnson TS, Strube K. Breast care during pregnancy. *Journal of Obstetric, Gynecologic & Neonatal Nursing.* 2011;40(2):144–8. doi:10.1111/j.1552-6909.2011.01227.x
- Karlström A, Engström-Olofsson R, Norbergh KG, Sjöling M, Hildingsson I. Postoperative pain after cesarean birth affects breastfeeding and infant care. *Journal of Obstetric, Gynecologic & Neonatal Nursing.* 2007 Sep 1;36(5):430–40. doi:10.1111/j.1552-6909.2007.00160.x
- Livingstone V, Stringer LJ. The treatment of staphylococcus infected sore nipples: a randomized comparative study. *J Hum Lact.* 1999; 15(3):241–46.

- Mariani Neto C, de Albuquerque RS, de Souza SC, Giesta RO, Fernandes APS, Mondin B. Comparative Study of the Use of HPA Lanolin and Breast Milk for Treating Pain Associated with Nipple Trauma. *Rev Bras Ginecol Obstet.* 2018; 40:664–72. doi:10.1055/s-0038–1675180.
- McClellan HL, Kent JC, Hepworth AR, Hartmann PE, Geddes DT. Persistent nipple pain in breastfeeding mothers associated with abnormal infant tongue movement. *Int J Environ Res Public Health.* 2015;12(9):10833–45
- Minosso KC, Toso BR, Piva EK, Christoffel MM. Validation of the knowledge breastfeeding scale into brazilian portuguese. *Acta Paul Enferm.* 2020 May 5;33. doi:10.37689/acta-ape/2020AO0067
- Montrone AV, Arantes CI, Nassar AC, Zanon T. Trauma mamilar e a prática de amamentar: estudo com mulheres no início da lactação. *Rev APS.* 2006;9(2):168–74.
- Moraes M, Silva L, Faliú B, Sosa C. Técnica de alimentación a pecho y aparición de trauma del pezón previo al alta hospitalaria. *Arch Pediatr Urug.* 2011;82(1):10–7.
- Nakamura M, Asaka Y, Ogawara Ta, Yorozy Y. Breastfeeding Medicine. 2018;13(7):479–84. <http://doi.org/10.1089/bfm.2017.0217>
- Nakamura M, Asaka Y, Ogawara T, Yorozy Y. Nipple Skin Trauma in Breastfeeding Women During Postpartum Week One. *Breastfeed Med.* 2018;13(7):479–484. doi:10.1089/bfm.2017.0217
- Niazi A, Rahimi VB, Soheili-Far S, Askari N, Rahmanian-Devin P, Sanei-Far Z, Sahebkar A, Rakhshandeh H, Askari VR. A systematic review on prevention and treatment of nipple pain and fissure: are they curable? *Journal of pharmacopuncture.* 2018;21(3):139. doi:10.3831/KPI.2018.21.017
- O'Shea JE, Foster JP, O'Donnell CPF, Breathnach D, Jacobs SE, Todd DA, Davis PG. Frenotomy for tongue-tie in newborn infants. *Cochrane Database of Systematic Reviews* 2017, Issue 3. Art. No.: CD011065. doi:10.1002/14651858.CD011065.pub2.
- Santos KJ, Santana GS, Vieira TO, Santos CA, Giugliani ER, Vieira GO. Prevalence and factors associated with cracked nipples in the first month postpartum. *BMC Pregnancy Childbirth.* 2016;16(1):209. Available from: doi:10.1186/s12884-016-0999-4.
- Shimoda GT, Aragaki IMM, Sousa CA, Silva IA. Association between persistent nipple lesions and breastfeeding conditions. *Rev Min Enferm.* 2014; 18(1): 68–74. <http://www.dx.doi.org/10.5935/1415-2762.20140006>
- Shimoda GT, Silva IA, Santos JLF. Characteristics, frequency and factors present in nipples damage occurrence in lactating women. *Rev Bras Enferm.* 2005; 58 (5): 529–34.
- Tait P. Nipple pain in breastfeeding women: causes, treatment, and prevention strategies. *Journal of midwifery & women's health.* 2000 May 1;45(3):212–5. doi.org/10.1016/S1526-9523(00)00011-8
- Thompson R, Kruske S, Barclay L, Linden K, Gao Y, Kildea S. Potential predictors of nipple trauma from an in-home breastfeeding programme: A cross-sectional study. *Women Birth.* 2016;29(4):336–44. Available from: doi:10.1016/j.wombi.2016.01.002.
- Vieira F, Mota DDCF, Castral TC, Guimarães JV, Salge AKM, Bachion MM. Effects of Anhydrous Lanolin versus Breast Milk Combined with a Breast Shell for the Treatment of Nipple Trauma and Pain During Breastfeeding: A Randomized Clinical Trial. *J Midwifery Womens Health.* 2017 Sep;62(5):572–9. doi: 10.1111/jmwh.12644.
- Vieira F. The effect of lanolin anhydrous compared to breast milk combined with protection shells to treat nipple pain and trauma in breastfeeding mothers: a randomized clinical trial [thesis]. Goiânia: College of Nursing/UFG; 2013. p. 170.

- Vinha VHP, Pelá NTR, Shimo AKK, Scochi CGS. Trauma mamilar: proposta de tratamento. *Femina*. 1987; 15 (5): 370–8.
- Walker M, Driscoll JW. Sore nipples: the new mother's nemesis. *MCN Am J Matern Child Nurs*. 1989;14(4):260–5.
- Weigert EML, Giugliani E RJ, França MCT, Oliveira LD, Bonilha A, Espírito Santo LC, Köhler CVF. Influência da técnica de amamentação nas frequências de aleitamento materno exclusivo e lesões mamilares no primeiro mês de lactação. *J Pediatr*. 2005; 81(4):310–6.
- Wockel A, Schumann M, Abou-Dakn M: Development of a wound score for the evaluation of cracked nipples during lactation. *Arch Gyn Obst* 2004;17(suppl 1):270.
- Ziemer MM, Cooper DM, Pigeon JG. Evaluation of a dressing to reduce nipple pain and improve nipple skin condition in breastfeeding women. *Nurs Res*. 1995; 44 (6): 347–51.
- Ziemer MM, Pigeon JG. Skin changes and pain in the nipple during the 1st week of lactation. *J Obstet Gynecol Neonatal Nurs*. 1993;22(3):247–56.

Risk for urinary tract injury (00250)

- Billington A, Crane C, Jownally S, Kirkwood L, Roodhouse A. Minimizing the complications associated with migrating catheters. *Br J Community Nurs*. 2008; 13(11): 502–506
- Garbuio DC. (2012). Conceptual analysis and content validation of risk for urinary tract injury: proposal of nursing diagnosis (Dissertation). Post Graduate Nursing Program, Federal University of São Carlos, São Carlos, SP, Brazil
- Geng V, Cobussen-Boekhorst H, Farrell J, Gea-Sánchez M, Pearce I, Schwennesen T, Vandewinkel C. Evidence-based Guidelines for Best Practice in Urological Health Care. Catheterisation-Indwelling catheters in adults: Urethral and Suprapubic. European Association of Urology Nurses; 2012
- Gray ML. Securing the indwelling catheter. *Am J Nurs*. 2008; 108(12):44–50, quiz 50
- Head C. Insertion of a urinary catheter. *Nurs Older People*. 2006; 18(10):33–36, quiz 37
- Herter R, Kazer MW. Best practices in urinary catheter care. *Home Healthc Nurse*. 2010; 28(6):342–349, quiz 349–351
- Igawa Y, Wyndaele JJ, Nishizawa O. Catheterization: possible complications and their prevention and treatment. *Int J Urol*. 2008; 15(6):481–485
- Kondo H, Yamada T, Kanematsu M, Kako N, Goshima S, Yamamoto N. Embolization for massive urethral hemorrhage. *Abdom Imaging*. 2007; 32(2):262–263
- Lenz LL. Cateterismo vesical: cuidados, complicações e medidas preventivas. *Arq Catarin Med*. 2006; 35(1):82–91
- Madeo M, Roodhouse AJ. Reducing the risks associated with urinary catheters. *Nurs Stand*. 2009; 23(29):47–55, quiz 56
- Nazarko L. Bladder pain from indwelling urinary catheterization: case study. *Br J Nurs*. 2007; 16(9):511–512, 514
- Ortega R, Ng L, Sekhar P, Song M. Videos in clinical medicine. Female urethral catheterization. *N Engl J Med*. 2008; 358(14):e15
- Pomfret I, Nazarko L. Costs and benefits of using urinary catheters. *Nursing & Residential Care*. 2006; 8(4):158–162
- Sarica S, Akkoc Y, Karapolat H, Aktug H. Comparison of the use of conventional, hydrophilic and gel-lubricated catheters with regard to urethral micro trauma, urinary

- system infection, and patient satisfaction in patients with spinal cord injury: a randomized controlled study. *Eur J Phys Rehabil Med.* 2010; 46(4):473–479
- de Sêze M, Ruffion A, Denys P, Joseph PA, Perrouin-Verbe B, GENULF. The neuro-genic bladder in multiple sclerosis: review of the literature and proposal of management guidelines. *Mult Scler.* 2007; 13(7):915–928
- Stamm AMNF, Coutinho MSSA. Infecção do trato urinário relacionada ao cateter vesical de demora: incidência e fatores de risco. *Rev Assoc Med Bras* (1992). 1999; 45(1):27–33
- Turner B, Dickens N. Long-term urethral catheterisation. *Nurs Stand.* 2011; 25(24): 49–56, quiz 58

Risk for perioperative positioning injury (00087)

- Ali, A.A., Breslin, D.S., Hardman, H.D. & Martin, G. (2003). Unusual presentation and complication of the prone position for spinal surgery. *Journal of Clinical Anesthesia*, 15(6), 471–473.
- Armstrong M, Moore RA. Anatomy, Patient Positioning. [Updated 2019 Feb 16]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK513320/>
- Billington, A., Crane, C., Jownally, S., Kirkwood, L., & Roodhouse, A. (2011). Minimizing the complications associated with migrating catheters. *British Journal of Community Nursing*, 13(11), 502–506.
- Blumenreich, G.A. (1998). Positioning, padding, documentation, and the CRNA. *AA-NA Journal*, 66(5), 435–438.
- Fritzen, T., Kremer, M., & Biddle, C. (2003). The AANA Foundation Closed Malpractice Claims Study on nerve injuries during anesthesia care. *AANA Journal*, 71(5), 347–352.
- Garbuio DC, Carvalho EC, Napoleão AA. Concept analysis and content validation of risk of injury to the urinary tract: nursing diagnosis. *Int J Nurs Knowl.* 2015 Oct;26(4):170–7. doi:10.1111/2047–3095.12062. Epub 2014 Oct 31.
- Geng, V., Cobussen-Boekhorst, H., Farrell, J., Gea-Sánchez, M., Pearce, I., Schwenne-sen, T., ... Vandewinkel, C. (2012).
- Evidence-based Guidelines for Best Practice in Urological Health Care. Catheterisation-Indwelling catheters in adults: Urethral and Suprapubic. European Association of Urology Nurses.
- Gray, M.L. (2008). Securing the Indwelling Catheter. *American Journal of Nursing*, 108(12), 44–50.
- Head, C. (2006). Insertion of a urinary catheter. *Nursing Older People*, 18(10), 33–36.
- Herter, R. & Kazer, M.W. (2010). Best practices in urinary catheter. *Home Healthcare Nurse*, 28(6), 342–349.
- Igawa, Y., Wyndaele, J.J., & Nishizawa, O. (2008) Catheterization: Possible complications and their prevention and Treatment. Li, W.W., Lee, T.W., & Yim, A.P. (2004). Shoulder function after thoracic surgery. *Thoracic Surgery Clinics*, 14(3), 331–343.
- Kondo, H., Yamada, T., Kanematsu, M., Kako, N., Goshima, S., & Yamamoto, N. (2007). Embolization for massive urethral hemorrhage. *Abdominal Imaging*, 32, 262–263.
- Lenz, L.L. (2006). Cateterismo vesical: cuidados, complicações e medidas preventivas. *Arquivos Catarinenses de Medicina*, 35(1), 82–91.

- Litwiller, J.P., Wells, R.E., Halliwill, J.R., Carmichael, S.W., & Warner, M.A. (2004). Effect of lithotomy positions on strain of the obturator and lateral femoral cutaneous nerves. *Clinical Anatomy*, 17(1), 45–49.
- Madeo, M. & Roodhouse, A.J. (2009). Reducing the risks associated with urinary catheters. *Nursing Standard*, 23(29), 47–55.
- McEwen, D.R. (1996). Intraoperative positioning of surgical patients. *AORN Journal*, 63(6), 1058–63, 1066–75, 1077–1082.
- Murphy, E.K. (2004). Negligence cases concerning positioning injuries. *AORN Journal*, 80(2), 311–312, 314.
- Lopes CMM, Haas VJ, Dantas RAS, Oliveira CG, Galvão MC. Assessment scale of risk for surgical positioning injuries. *Rev. Latino-Am. Enfermagem. Rev. Latino-Am. Enfermagem* 2016;24:e2704 DOI: 10.1590/1518-8345.0644.2704
- Miranda AB, Fogaça AR, Rizzetto M, Lopes LCC. Posicionamento cirúrgico: Cuidados de enfermagem no transoperatório. *REV. SOBECC, SÃO PAULO. JAN./MAR. 2016; 21(1): 52–8*
- Nascimento FCL, Rodrigues MCS. Risk for surgical positioning injuries: scale validation in a rehabilitation hospital. *Rev. Latino-Am. Enfermagem*. 2020; 28: e3261.
- Nazarko, L. (2006). Bladder pain from indwelling urinary catheterization: case study. *British Journal of Nursing*, 16(9), 511–514.
- Ortega, R., Ng, L., Sekhar, P., & Song, M. (2008). Female Urethral Catheterization. *The New England Journal of Medicine*, 358(14), 15.
- Peixoto CA, Ferreira MBG, Felix MMS, Pires PS, Barichello E, Barbosa MH. Classificação de risco de desenvolvimento de lesões decorrentes do posicionamento cirúrgico. *Rev. Latino-Am. Enfermagem*. 2019; 27:e3117. doi:10.1590/1518-8345.2677-3117
- Pomfret, I. & Nazarko, L. (2006). Costs and benefits of using urinary catheters. *Nursing & Residential Care*, 8(4), 158–162.
- Sarica, S., Akkoc, Y., Karapolat, H., & Aktug, H. (2010) Comparison of the use of conventional, hydrophilic and gel-lubricated catheters with regard to urethral micro trauma, urinary system infection and patient satisfaction in patients with spinal cord injury: a randomized controlled study. *European Journal of Physical and Rehabilitation Medicine*, 46(4), 473–480.
- Sèze, M., Ruffion, A., Denys, P., Joseph, P.A., & Perrouin-Verbe, B. (2007). The neurogenic bladder in multiple sclerosis: review of the literature and proposal of management guidelines. *Multiple Sclerosis*, 13(7), 915–928.
- Stamm, A.M.N.F., & Coutinho, M.S.S.A. (1999). Infecção do trato urinário relacionada ao cateter vesical de demora: incidência e fatores de risco. *Rev Ass Med Brasil*, 45(1), 27–33.
- Turner, B., & Dickens, N. (2011). Long-term urethral catheterisation. *Primary Health Care*, 21(4), 32–38.

Risk for thermal injury (00220)

- Centers for Disease Control. (2006). Injury fact book 2006. Retrieved from http://www.cdc.gov/ncipc/fact_book/factbook.htm
- Christoffel, T. & Gallagher, S. S. (2006). Injury prevention and public health (2nd ed.). Sudbury, MA: Jones & Bartlett.
- DiGuseppi, C., Edwards, P., Godward, C., Roberts, I., Wade, A. (2000). Urban residential fire and flame injuries: A population based study. *Injury Prevention*, 6(4), 250–254.
- Horan, M.A. & Little, R. A. (Eds). (1998). Injury in the aging. Cambridge, U. K.: Cambridge University Press.

- Murray, R. B., Zentner, J. P., Yakimo, R. (2009). Health promotion strategies through the life span (8th ed.). Upper Saddle River, NJ: Pearson.
- Pickett, W., Streight, S., Simpson, K., & Brison, R. J. (2003). Injuries experienced by infant children: A population based epidemiological analysis. *Pediatrics*, 111(4), 365–370.
- Sommers, M. S. (2006). Injury as a global phenomenon of concern in nursing science. *Image: Journal of Nursing Scholarship*, 38(4), 314–320.

Impaired oral mucous membrane integrity (00045)

- Arvio P, Arvio M, Wolf J, Lukinmaa PL, Saxen L, Pirinen S. Impaired oral health in patients with aspartylglucosaminuria. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontology*. 1998; 86(5):562–568
- Bastiani C, Soares Cota AL, Arias Provenzano MG, Calvo Fracasso ML, Marques Honório H, Rios D. Conhecimento das gestantes sobre alterações bucais e tratamento odontológico durante a gravidez. *Odontologia Clínico-Científica*, Recife. 2010; 9(2): 155–160
- Buczynski AK, Castro GF, de Souza IP. O impacto da saúde bucal na qualidade de vida de crianças infectadas pelo HIV: revisão de literatura. *Cien Saude Colet*. 2008; 13(6): 1797–1805
- Carrard VC, Pires AS, Paiva RL, Chaves ACM, Sant’Ana Filho M. Álcool e câncer bucal: considerações sobre os mecanismos relacionados. *Rev Bras Cancerol*. 2008; 54 (1):49–56
- Carvalho ACA, Campos PSF, Crusoé-Rebello I. Síndrome de Down: aspectos relacionados ao sistema estomatognático. *Revista de Ciências Médicas e Biológicas*. 2010; 9 Supl.1:49–52
- Côrte-Real IS, Figueiral MH, Campos JCR. As doenças orais no idoso – Considerações gerais. *Revista Portuguesa de Estomatologia Medicina Dentária e Cirurgia Maxilofacial*. 2011; 52(3):175–180
- Costa LJ, Soares MSM, Komatsu AA, Albuquerque ACL. Pacientes com Doenças Sistêmicas de Origem Auto-Imune/Dermatológicas: Incidência das Manifestações Bucais e Revisão de Literatura. *Rev Bras Ciênc Saúde*. 2009; 13(3):49–54
- Cruz MCFN, Braga VAS, Garcia JGF, Lopes FF, Maia ECS. Condições bucais relacionadas com o estresse: uma revisão dos achados atuais. *Rev Fac Odontol Porto Alegre*. 2008; 49(1):8–11
- Ghezzi EM, Ship JA, Mich AA. Dentina and oral health. *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2000; 89(1):2–5
- Gonçalves LM, Júnior JRBS, Cruz MCFN. Avaliação clínica das lesões orais associadas a doenças Dermatológicas. *An Bras Dermatol*. 2009; 84(6):585–592
- Goursand D, Borges CM, Alves KM, et al. Sequelas bucais em crianças submetidas à terapia antineoplásica: causas e definição do papel do cirurgião dentista. *Arq Odontol*. 2006; 42(3):161–256
- Lopes FL, Tier CG, Filho WL, Santos SSC. Diagnósticos de enfermagem de idosos residentes em uma instituição de longa permanência (ILP). *Ciênc Cuid Saúde*. 2007; 6 (1):59–67
- Pace MA, Watanabe E, Facetto MP, Andrade D. *Staphylococcus* spp. na saliva de pacientes com intubação orotraqueal. *Rev Panam Infectol*. 2008; 10(2):8–12
- Paschoal CP, Azevedo MF. O cigarro como um fator de risco para alterações auditivas. *Braz J Otorrinolaringol (Engl Ed)*. 2009; 75(6):893–902

- Pauloski BR, Rademaker AW, Logemann JA, et al. Relation of mucous membrane alterations to oral intake during the first year after treatment for head and neck cancer. *Head Neck*. 2011; 33(6):774–779
- Rolim AEH, Costa LJ, Ramalho LMP. Repercussões da radioterapia na região orofacial e seu tratamento. *Radiol Bras*. 2011; 44(6):388–395
- Santos RCS. Mucosite em pacientes portadores de câncer de cabeça e pescoço submetidos a radioterapia e quimioterapia concomitantes. *Radiol Bras*. 2010; 43(2):136
- Silveira JLGC, Stanke R. Condição e representações da saúde bucal entre os sem-teto do município de Blumenau – Santa Catarina. *Ciências & Cognição*. 2008; 13(1):2–11
- Stellingsma C, Dijkstra PU, Dijkstra J, Duipmans JC, Jonkman MF, Dekker R. Restrictions in oral functions caused by oral manifestations of epidermolysis bullosa. *Eur J Dermatol*. 2011; 21(3):405–409

Risk for impaired oral mucous membrane integrity (00247)

- Arvio, P., Arvio, M., Wolf, J., Lukinmaa, P.L., Saxen, L., & Pirinen, S. (1998). Impaired oral health in patients with aspartylglucosaminuria. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology*, 86(5), 562–568.
- Bastiani, C., Soares Cota, A.L., Arias Provenzano, M.G., Calvo Fracasso, M.L., Marques Honório, H., & Rios, D. (2010) Conhecimento das gestantes sobre alterações bucais e tratamento odontológico durante a gravidez. *Odontologia Clínico-Científica*, 9(2), 155–160.
- Buczynski, A.K., Castro, G.F., & Souza, I.P.R. (2008). O impacto da saúde bucal na qualidade de vida de crianças infectadas pelo HIV: revisão de literatura. *Ciência & Saúde Coletiva*. 13(6), 1797–1805.
- Carrard, V.C., Pires, A.S., Paiva, R.L., Chaves, A.C.M., & Sant'Ana Filho, M. (2008). Alcool e câncer bucal: considerações sobre os mecanismos relacionados. *Revista Brasileira de Cancerologia*, 54(1), 49–56.
- Carvalho, A.C.A., Campos, P.S.F., & Crusoé-Rebello, I. (2010). Síndrome de Down: aspectos relacionados ao sistema estomatognático. *Revista de Ciências Médicas e Biológicas*, 9(Supl.1), 49–52.
- Côrte-Real, I.S., Figueiral, M.H., & Campos, J.C.R. (2011). As doenças orais no idoso – Considerações gerais. *Revista Portuguesa de Estomatologia, Medicina Dentária e Cirurgia Maxilofacial*. 52(3), 175–180.
- Costa, L.J., Soares, M.S.M., & Komatsu, A.A., & Albuquerque, A.C.L. (2009). Pacientes com Doenças Sistêmicas de Origem Auto-Imune/Dermatológicas - Incidência das Manifestações Bucais e Revisão de Literatura. *Revista Brasileira de Ciências da Saúde*, 13(3), 49–54.
- Cruz, M.C.F.N., Braga, V.A.S., Garcia, J.G.F., Lopes, F.F., & Maia, E.C.S. (2008). Condições bucais relacionadas com o estresse: uma revisão dos achados atuais. *Revista da Faculdade de Odontologia de Porto Alegre*, 49(1), 8–11.
- Ghezzi, E.M., Ship, J.A., & Mich, A.A. (2000). Dentina and oral health. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology*, 89(1), 2–5.
- Gonçalves, L.M., Júnior, J.R.S.B., & Cruz, M.C.F.N. (2009). Avaliação clínica das lesões orais associadas a doenças Dermatológicas. *Anais Brasileiros de Dermatologia*, 84(6), 585–592.
- Goursand, D., Borges, C.M., Alves, K.M., Nascimento, A.M., Winter, R.R., & Martins, L.H.P.M. et al. (2006). Sequelas bucais em crianças submetidas à terapia antineoplá-

- sica: causas e definição do papel do cirurgião dentista. *Arquivos em Odontologia*, 42 (3), 161–256.
- Lopes, F.L., Tier, C.G., Filho, W.L., & Santos, S.S.C. (2007). Diagnósticos de enfermagem de idosos residentes em uma instituição de longa permanência (ILP). *Ciência, Cuidado e Saúde*, 6(1), 59–67.
- Pace, M.A., Watanabe, E., Facetto, M.P., & Andrade, D. (2008). *Staphylococcus* spp. na saliva de pacientes com entubação orotraqueal. *Revista Panamericana de Infectologia*, 10(1), 8–13.
- Paschoal, C.P. & Azevedo, M.F. (2009). O cigarro como um fator de risco para alterações auditivas. *Brazilian Journal of Otorhinolaryngology*, 75(6), 893–902.
- Pauloski, B.R., Rademaker, A.W., Logemann, J.A., Lundy, D., Bernstein, M., McBreen, C., Santa, D., Campanelli, A., Kelchner, L., Klaben, B., & Discekici-Harris, M. (2011). Relation of mucous membrane alterations to oral intake during the first year after treatment for head and neck cancer. *Head & Neck* 33(6), 774–779.
- Rolim, A.E.H., Costa, L.J., & Ramalho, L.M.P. (2011). Repercussões da radioterapia na região orofacial e seu tratamento. *Radiologia Brasileira*, 44(6), 388–395.
- Santos, R.C.S. (2010). Mucosite em pacientes portadores de câncer de cabeça e pescoço submetidos a radioterapia e quimioterapia concomitantes. *Radiologia Brasileira*, 43 (2), 136.
- Silveira, J.L.G.C. & Stanke, R. (2008). Condição e representações da saúde bucal entre os sem-teto do município de Blumenau – Santa Catarina. *Ciências & Cognição*, 13 (1), 02–11.
- Stellingsma, C., Dijkstra, P.U., Dijkstra, J., Duipmans, J.C., Jonkman, M.F., & Dekker, R. (2011). Restrictions in oral functions caused by oral manifestations of epidermolysis bullosa. *European Journal of Dermatology*, 21(3), 406–409

Risk for peripheral neurovascular dysfunction (00086)

None at this time.

Risk for physical trauma (00038)

None at this time.

Risk for vascular trauma (00213)

- Adami N.P., Gutiérrez M.G.R., da Fonseca S.M. & de Almeida, E.P.M. (2005). Risk management of extravasation of cytostatic drugs at the adult chemotherapy outpatient clinic of a university hospital. *Journal of Clinical Nursing*, 14(7), 876–882
- Arreguy-Sena, C. & de Carvalho, E.C. (2003). Punção venosa periférica: análise dos critérios adotados por uma equipe de enfermagem para avaliar e remover um dispositivo endovenoso. *Escola Anna Nery Revista de Enfermagem*. Rio de Janeiro: EEAN-UFRJ 7.
- Arreguy-Sena, C. (2002). A trajetória de construção e validação dos diagnósticos de enfermagem: Trauma Vascular e Risco para Trauma Vascular. [Tese] Ribeirão Preto: Escola de Enfermagem de Ribeirão Preto-USP.
- Phillips, L. (2005). *Manual of IV Therapeutics* (4th ed.). Philadelphia, PA: Davis.
- Polimeno, N., Hara, M., Appezzato, L., Fernandes, V., Cintra, L., & Hara, C. (1995) Incidência e caracterização da tromboflebite superficial (TFS) pós-venóclise em Hospital Universitário. *Jornal Brasileiro de Medicina*, 69, 196–204.

Adult pressure injury (00312)

- Abouleish AE, Leib ML, Cohen NH (2015). ASA provides examples to each ASA physical status class. *ASA Monitor*, 79, 38–39
- Agrawal K, Chauhan N. (2012). Pressure ulcers: Back to the basics. *Indian J Plast Surg*, 45(2), 244–254. doi:10.4103/0970–0358.101287.
- Anders J, Heinemann A, Leffmann C, Leutenegger M, Pröfener F, Von Renteln-Kruse W. (2010). Decubitus Ulcers: Pathophysiology and Primary Prevention. *Dtsch ArzteblInt*, 107(21), 371–382. DOI: 10.3238/arztebl.2010.0371.
- Barrientos C. et al. (2005). Efectos de la implementación de un protocolo de prevención de úlceras por presión en pacientes en estado crítico de salud. *Rev. Chil. Med. Intens.*, Santiago; 20(1):12–20.
- Canter H, Aksu A, Abusafa A, Latipov E, Safak T, Kecik A. Atypical Pressure Sores Developing In A Patient With Alcohol Intoxication The Internet Journal of Internal Medicine 2013; Volume 5 Number 1.
- Consortium for Spinal Cord Medicine Member Organizations. Pressure Ulcer Prevention and Treatment Following Spinal Cord Injury: A Clinical Practice Guideline for Health-Care Professionals. 2 ed. 2014. Consortium for Spinal Cord Medicine
- Costa ACO, Pinho CPS, Santos ADA, Nascimento ACS. (2015). Úlcera por presión: incidencia y factores demográficos, clínicos y nutricionales asociados en pacientes de una unidad de cuidados intensivos. *Nutr Hosp*. 32(5):2242–2252.
- European Pressure Ulcer Advisory Panel, National Pressure Injury Advisory Panel and Pan Pacific Pressure Injury Alliance (2019). Prevention and treatment of pressure ulcers/injuries: clinical practice guideline (3rd Ed.). ISBN 978–0–6480097–8–11
- Irgens, I., Hoff, J. M., Jernes, R., Alexander, M., Stanghelle, J. K., Thoresen, M., & Reikand, T. (2020). Spinal cord injury and development of pressure injury during acute rehabilitation in Norway: a national retrospective cross-sectional study. *Spinal Cord*. doi:10.1038/s41393–020–0465-z
- Jackson, D., Sarki, A. M., Betteridge, R., & Brooke, J. (2019). Medical device-related pressure ulcers: A systematic review and meta-analysis. *International Journal of Nursing Studies*, 92, 109–120.
- Kayser, S. A., Van Gilder, C. A., Ayello, E. A., & Lachenbruch, C. (2018). Prevalence and analysis of medical device-related pressure injuries: results from the international pressure ulcer prevalence survey. *Advances in Skin & Wound Care*, 31(6), 276.
- Ko H-Y. Management and Rehabilitation of Spinal Cord Injuries. Springer Singapore, 2019.
- Nixon J, Cranny G, Bond S. (2007). Skin alterations of intact skin and risk factors associated with pressure ulcer development in surgical patients: a cohort study. *Int. J. Nurs. Stud.*, Oxford; 44(5):655–663.
- Santos CT, Almeida MA, Oliveira MC, Victor, MAG, Lucena, AF. (2015). Development of the nursing diagnosis risk for pressure ulcer. *Rev. Gaúcha Enferm*. 36(2), 113–121. ISSN 1983–1447.
- Schryvers, O. I., Stranc, M. F., & Nance, P. W. (2000). Surgical treatment of pressure ulcers: 20-year experience. *Archives of Physical Medicine and Rehabilitation*, 81(12), 1556–1562. doi:10.1053/apmr.2000.17828
- Sibbald RG. et al. (2012). Prevention and treatment of pressure ulcers. *Skin Therapy Lett.*, Vancouver; 17(8):4–7.
- Tate, D. G., Forchheimer, M. B., Krause, J. S., Meade, M. A., & Bombardier, C. H. (2004). Patterns of alcohol and substance use and abuse in persons with spinal cord

- injury: Risk factors and correlates. *Archives of Physical Medicine and Rehabilitation*, 85(11), 1837–1847. doi:10.1016/j.apmr.2004.02.022
- Tschannen D, Bates O, Talsma A, Guo Y. (2012). Patient-specific and surgical characteristics in the development of pressure ulcers. *American Journal Of Critical Care*, 21(2), 116–124. DOI: 10.4037/ajcc2012716.
- Waters, R. L., Adkins, R. H., Sie, I., & Cressy, J. (1998). Postrehabilitation outcomes after spinal cord injury caused by firearms and motor vehicle crash among ethnically diverse groups. *Archives of Physical Medicine and Rehabilitation*, 79(10), 1237–1243. doi:10.1016/s0003-9993(98)90268-4

Risk for adult pressure injury (00304)

- Abouleish AE, Leib ML, Cohen NH (2015). ASA provides examples to each ASA physical status class. *ASA Monitor*, 79, 38–39
- Agrawal K, Chauhan N. (2012). Pressure ulcers: Back to the basics. *Indian J Plast Surg*, 45(2), 244–254. doi:10.4103/0970-0358.101287.
- Anders J, Heinemann A, Leffmann C, Leutenegger M, Pröfener F, Von Renteln-Kruse W. (2010). Decubitus Ulcers: Pathophysiology and Primary Prevention. *Dtsch ArzteblInt*, 107(21), 371–382. DOI: 10.3238/arztebl.2010.0371.
- Barrientos C. et al. (2005). Efectos de la implementación de un protocolo de prevención de úlceras por presión en pacientes en estado crítico de salud. *Rev. Chil. Med. Intens.*, Santiago; 20(1):12–20.
- Canter H, Aksu A, Abusafa A, Latipov E, Safak T, Kecik A. Atypical Pressure Sores Developing In A Patient With Alcohol Intoxication The Internet Journal of Internal Medicine 2013; Volume 5 Number 1.
- Consortium for Spinal Cord Medicine Member Organizations. Pressure Ulcer Prevention and Treatment Following Spinal Cord Injury: A Clinical Practice Guideline for Health-Care Professionals. 2 ed. 2014. Consortium for Spinal Cord Medicine
- Costa ACO, Pinho CPS, Santos ADA, Nascimento ACS. (2015). Úlcera por presión: incidencia y factores demográficos, clínicos y nutricionales asociados en pacientes de una unidad de cuidados intensivos. *Nutr Hosp*. 32(5):2242–2252.
- European Pressure Ulcer Advisory Panel, National Pressure Injury Advisory Panel and Pan Pacific Pressure Injury Alliance (2019). Prevention and treatment of pressure ulcers/injuries: clinical practice guideline (3rd Ed.). ISBN 978-0-6480097-8-11
- Irgens, I., Hoff, J. M., Jernes, R., Alexander, M., Stanghelle, J. K., Thoresen, M., & Reikand, T. (2020). Spinal cord injury and development of pressure injury during acute rehabilitation in Norway: a national retrospective cross-sectional study. *Spinal Cord*. doi:10.1038/s41393-020-0465-z
- Jackson, D., Sarki, A. M., Betteridge, R., & Brooke, J. (2019). Medical device-related pressure ulcers: A systematic review and meta-analysis. *International Journal of Nursing Studies*, 92, 109–120.
- Kayser, S. A., Van Gilder, C. A., Ayello, E. A., & Lachenbruch, C. (2018). Prevalence and analysis of medical device-related pressure injuries: results from the international pressure ulcer prevalence survey. *Advances in Skin & Wound Care*, 31(6), 276.
- Nixon J, Cranny G, Bond S. (2007). Skin alterations of intact skin and risk factors associated with pressure ulcer development in surgical patients: a cohort study. *Int. J. Nurs. Stud.*, Oxford; 44(5):655–663.
- Santos CT, Almeida MA, Oliveira MC, Victor, MAG, Lucena, AF. (2015). Development of the nursing diagnosis risk for pressure ulcer. *Rev. Gaúcha Enferm*. 36(2), 113–121. ISSN 1983-1447.

- Schryvers, O. I., Stranc, M. F., & Nance, P. W. (2000). Surgical treatment of pressure ulcers: 20-year experience. *Archives of Physical Medicine and Rehabilitation*, 81(12), 1556–1562. doi:10.1053/apmr.2000.17828
- Sibbald RG. et al. (2012). Prevention and treatment of pressure ulcers. *Skin Therapy Lett.*, Vancouver; 17(8):4–7.
- Tate, D. G., Forchheimer, M. B., Krause, J. S., Meade, M. A., & Bombardier, C. H. (2004). Patterns of alcohol and substance use and abuse in persons with spinal cord injury: Risk factors and correlates. *Archives of Physical Medicine and Rehabilitation*, 85(11), 1837–1847. doi:10.1016/j.apmr.2004.02.022
- Tschannen D, Bates O, Talsma A, Guo Y. (2012). Patient-specific and surgical characteristics in the development of pressure ulcers. *American Journal Of Critical Care*, 21(2), 116–124. DOI: 10.4037/ajcc2012716.
- Waters, R. L., Adkins, R. H., Sie, I., & Cressy, J. (1998). Postrehabilitation outcomes after spinal cord injury caused by firearms and motor vehicle crash among ethnically diverse groups. *Archives of Physical Medicine and Rehabilitation*, 79(10), 1237–1243. doi:10.1016/s0003-9993(98)90268-4

Child pressure injury (00313)

- Chamblee, T., Pasek, T., Caillouette, C., Stellar, J., Quigley, S., & Curley, M. (2018). CE: How to predict pediatric pressure injury risk with the Braden QD Scale. *The American Journal of Nursing*, 118(11), 34–43.
- Clay, P., Cruz, C., Ayotte, K., Jones, J., & Fowler, S. B. (2018). Device related pressure ulcers Pre and post identification and intervention. *Journal of Pediatric Nursing*, 41, 77–79.
- Delmore, B., Deppisch, M., Sylvia, C., Luna-Anderson, C., Nie, A.M. (2019). Pressure Injuries in the Pediatric Population: A National Pressure Ulcer Advisory Panel White Paper, *Advances in Skin & Wound Care*, 32(9), 394–408.
- European Pressure Ulcer Advisory Panel, National Pressure Injury Advisory Panel and Pan Pacific Pressure Injury Alliance (2019). *Prevention and treatment of pressure ulcers/injuries: clinical practice guideline (3rd Ed.)*. ISBN 978-0-6480097-8-11.
- Huan, L. I., Jiang, S., Qun, Y. U., Yaqin, H. U., & Jiang, L. (2018). Characteristics and risk factors of pressure injuries in patients admitted to the PICU. *Chinese Journal of Nursing*, 53(3), 261–266.
- Jackson, D., Sarki, A. M., Betteridge, R., & Brooke, J. (2019). Medical device-related pressure ulcers: A systematic review and meta-analysis. *International Journal of Nursing Studies*, 92, 109–120.
- Kayser, S. A., VanGilder, C. A., Ayello, E. A., & Lachenbruch, C. (2018). Prevalence and analysis of medical device-related pressure injuries: results from the international pressure ulcer prevalence survey. *Advances in Skin & Wound Care*, 31(6), 276.
- Kim, M.J., Jang, J. M., Kim, H.K., Heo, H. J., Jeong, I. S. (2019). Medical adhesives-related skin injury in a pediatric intensive care unit. *Journal of Wound, Ostomy and Continence Nursing*, 46(6), 491–496. doi:10.1097/WON.0000000000000592
- Ko H-Y. *Management and Rehabilitation of Spinal Cord Injuries*. Springer Singapore, 2019.
- Kulik, L., Connor, J., Graham, D., & Hickey, P. (2018). Pressure injury prevention for paediatric cardiac surgical patients using a nurse-driven standardized clinical assessment and management plan. *Cardiology in the Young*, 28(9), 1151–1162.
- Kulik, L.A., Hasbani, N.R., Stellar, J.J., Quigley, S.M., Shelley, S.S., Wypij, D., Curley, Martha A. Q., for Braden QD Study Group *Hospital-Acquired Pressure Injuries in*

- Children With Congenital Heart Disease: Prevalence and Associated Factors*. *Pediatric Critical Care Medicine*, 20(11), 1048–1056. doi: 10.1097/PCC.0000000000002077
- Murray, J.S., Noonan, C., Quigley, S., & Curley, M.A.Q. (2013). Medical device-related hospital-acquired pressure ulcers in children: an integrative review. *Journal of Pediatric Nursing*, 28(6), 585–595. doi:10.1016/j.pedn.2013.05.004
- Neta, A. P. R., Cavalcante, T. B., Lima, A. B. S., Maciel, S. M., Miranda, S. M., & de Sousa, A. R. A. Epidemiological and Clinical Characterization of Children with Pressure Injuries Caracterização Epidemiológica e Clínica de Crianças com Lesões por Pressão. *Revista Enfermagem Atual*, 86.
- Razmus, I., & Bergquist-Beringer, S. (2017). Pressure Ulcer Risk and Prevention Practices in Pediatric Patients: A Secondary Analysis of Data from the National Database of Nursing Quality Indicators*. *Ostomy/wound management*, 63(2), 28–32.
- Rowe, A., Mccarty, K., & Huett, A. (2018). Implementation of a Nurse Driven Pathway to Reduce Incidence of Hospital Acquired Pressure Injuries in the Pediatric Intensive Care Setting. *Journal of Pediatric Nursing*, 41, 104–109.
- Smith, H.A., Moore, Z., Tan, M.H. (2019). Cohort study to determine the risk of pressure ulcers and developing a care bundle within a paediatric intensive care unit setting. *Intensive and Critical Care Nursing*, 53, 68–72. ISSN 0964–3397, doi:10.1016/j.iccn.2019.04.008
- Sweeney, K. A., Cogill, K., Davis, K., & Jauncey-Cooke, J. I. (2018). Neonatal and pediatric pressure injuries secondary to limb splinting for intravascular access: case series and literature review. *Journal of the Association for Vascular Access*, 23(2), 108–116.
- Vocci, M.B., Fontes, C.M.B., Abbade, L.P.F. (2018). Pressure injury in the pediatric population: Cohort study using the Braden Q Scale. *Advances in Skin & Wound Care*, 31(10), 456–461 doi: 10.1097/01.ASW.0000542529.94557.0a 10.1097/01.ASW.0000542529.94557.0a
- Wang, D., Xu, H., Chen, S., Lou, X., Tan, J., Xu, Y. (2019) Medical adhesive-related skin injuries and associated risk factors in a pediatric intensive care unit. *Advances in Skin & Wound Care*, 32(4), 176–182. doi:10.1097/01.ASW.0000553601.05196.fb

Risk for child pressure injury (00286)

- Chamblee, T., Pasek, T., Caillouette, C., Stellar, J., Quigley, S., & Curley, M. (2018). CE: How to predict pediatric pressure injury risk with the Braden QD Scale. *The American Journal of Nursing*, 118(11), 34–43.
- Clay, P., Cruz, C., Ayotte, K., Jones, J., & Fowler, S. B. (2018). Device related pressure ulcers Pre and post identification and intervention. *Journal of Pediatric Nursing*, 41, 77–79.
- Delmore, B., Deppisch, M., Sylvia, C., Luna-Anderson, C., Nie, A.M. (2019). Pressure Injuries in the Pediatric Population: A National Pressure Ulcer Advisory Panel White Paper, *Advances in Skin & Wound Care*, 32(9), 394–408.
- European Pressure Ulcer Advisory Panel, National Pressure Injury Advisory Panel and Pan Pacific Pressure Injury Alliance (2019). *Prevention and treatment of pressure ulcers/injuries: clinical practice guideline (3rd Ed.)*. ISBN 978–0–6480097–8–11.
- Huan, L. I., Jiang, S., Qun, Y. U., Yaqin, H. U., & Jiang, L. (2018). Characteristics and risk factors of pressure injuries in patients admitted to the PICU. *Chinese Journal of Nursing*, 53(3), 261–266.

- Jackson, D., Sarki, A. M., Betteridge, R., & Brooke, J. (2019). Medical device-related pressure ulcers: A systematic review and meta-analysis. *International Journal of Nursing Studies*, 92, 109–120.
- Kayser, S. A., VanGilder, C. A., Ayello, E. A., & Lachenbruch, C. (2018). Prevalence and analysis of medical device-related pressure injuries: results from the international pressure ulcer prevalence survey. *Advances in Skin & Wound Care*, 31(6), 276.
- Kim, M.J., Jang, J. M., Kim, H.K., Heo, H. J., Jeong, I. S. (2019). Medical adhesives-related skin injury in a pediatric intensive care unit. *Journal of Wound, Ostomy and Continence Nursing*, 46(6), 491–496. doi:10.1097/WON.0000000000000592
- Ko H-Y. Management and Rehabilitation of Spinal Cord Injuries. Springer Singapore, 2019.
- Kulik, L., Connor, J., Graham, D., & Hickey, P. (2018). Pressure injury prevention for paediatric cardiac surgical patients using a nurse-driven standardized clinical assessment and management plan. *Cardiology in the Young*, 28(9), 1151–1162.
- Kulik, L.A., Hasbani, N.R., Stellar, J.J., Quigley, S.M., Shelley, S.S., Wypij, D., Curley, Martha A. Q., for Braden QD Study Group Hospital-Acquired Pressure Injuries in Children With Congenital Heart Disease: Prevalence and Associated Factors*. *Pediatric Critical Care Medicine*, 20(11), 1048–1056. doi: 10.1097/PCC.0000000000002077
- Murray, J.S., Noonan, C., Quigley, S., & Curley, M.A.Q. (2013). Medical device-related hospital-acquired pressure ulcers in children: an integrative review. *Journal of Pediatric Nursing*, 28(6), 585–595. doi:10.1016/j.pedn.2013.05.004
- Neta, A. P. R., Cavalcante, T. B., Lima, A. B. S., Maciel, S. M., Miranda, S. M., & de Sousa, A. R. A. Epidemiological and Clinical Characterization of Children with Pressure Injuries Caracterização Epidemiológica e Clínica de Crianças com Lesões por Pressão. *Revista Enfermagem Atual*, 86.
- Razmus, I., & Bergquist-Beringer, S. (2017). Pressure Ulcer Risk and Prevention Practices in Pediatric Patients: A Secondary Analysis of Data from the National Database of Nursing Quality Indicators®. *Ostomy/wound management*, 63(2), 28–32.
- Rowe, A., Mccarty, K., & Huett, A. (2018). Implementation of a Nurse Driven Pathway to Reduce Incidence of Hospital Acquired Pressure Injuries in the Pediatric Intensive Care Setting. *Journal of Pediatric Nursing*, 41, 104–109.
- Smith, H.A., Moore, Z., Tan, M.H. (2019). Cohort study to determine the risk of pressure ulcers and developing a care bundle within a paediatric intensive care unit setting. *Intensive and Critical Care Nursing*, 53, 68–72. ISSN 0964–3397, doi:10.1016/j.iccn.2019.04.008
- Sweeney, K. A., Cogill, K., Davis, K., & Jauncey-Cooke, J. I. (2018). Neonatal and pediatric pressure injuries secondary to limb splinting for intravascular access: case series and literature review. *Journal of the Association for Vascular Access*, 23(2), 108–116.
- Vocci, M.B., Fontes, C.M.B., Abbade, L.P.F. (2018). Pressure injury in the pediatric population: Cohort study using the Braden Q Scale. *Advances in Skin & Wound Care*, 31(10), 456–461 doi: 10.1097/01.ASW.0000542529.94557.0a 10.1097/01.ASW.0000542529.94557.0a
- Wang, D., Xu, H., Chen, S., Lou, X., Tan, J., Xu, Y. (2019) Medical adhesive-related skin injuries and associated risk factors in a pediatric intensive care unit. *Advances in Skin & Wound Care*, 32(4), 176–182. doi:10.1097/01.ASW.0000553601.05196.fb

Neonatal pressure injury (00287)

- Aredes, N. D. A., de Araújo Santos, R. C., & Fonseca, L. M. M. (2017). Skin care of premature newborns: integrative review. *Revista eletrônica de Enfermagem [Internet]*.
- Chamblee, T., Pasek, T., Caillouette, C., Stellar, J., Quigley, S., & Curley, M. (2018). CE: How to predict pediatric pressure injury risk with the Braden QD Scale. *The American Journal of Nursing*, 118(11), 34–43.
- Clay, P., Cruz, C., Ayotte, K., Jones, J., & Fowler, S. B. (2018). Device related pressure ulcers Pre and post identification and intervention. *Journal of Pediatric Nursing*, 41, 77–79.
- Csoma, Z., Meszes, A., Ábrahám, R., Kemény, L., Tálosi, G., & Doró, P. (2016). Iatrogenic Skin Disorders and Related Factors in Newborn Infants. *Pediatric Dermatology*, 33(5), 543–548.
- Delmore, B., Deppisch, M., Sylvia, C., Luna-Anderson, C., Nie, A.M. (2019). Pressure Injuries in the Pediatric Population: A National Pressure Ulcer Advisory Panel White Paper, *Advances in Skin & Wound Care*, 32(9), 394–408.
- European Pressure Ulcer Advisory Panel, National Pressure Injury Advisory Panel and Pan Pacific Pressure Injury Alliance (2019). Prevention and treatment of pressure ulcers/injuries: clinical practice guideline (3rd Ed.). ISBN 978-0-6480097-8-11
- He, M., Tang, A., Ge, X., & Zheng, J. (2016). Pressure ulcers in the intensive care unit: An analysis of skin barrier risk factors, *Advances in Skin & Wound Care*, 29(11), 493–498. doi: 10.1097/01.ASW.0000494779.66288.c9
- Huan, L. I., Jiang, S., Qun, Y. U., Yaqin, H. U., & Jiang, L. (2018). Characteristics and risk factors of pressure injuries in patients admitted to the PICU. *Chinese Journal of Nursing*, 53(3), 261–266.
- Jackson, D., Sarki, A. M., Betteridge, R., & Brooke, J. (2019). Medical device-related pressure ulcers: A systematic review and meta-analysis. *International Journal of Nursing Studies*, 92, 109–120.
- Kayser, S. A., VanGilder, C. A., Ayello, E. A., & Lachenbruch, C. (2018). Prevalence and analysis of medical device-related pressure injuries: results from the international pressure ulcer prevalence survey. *Advances in Skin & Wound Care*, 31(6), 276.
- Kim, M.J., Jang, J. M., Kim, H.K., Heo, H. J., Jeong, I. S. (2019). Medical adhesives-related skin injury in a pediatric intensive care unit. *Journal of Wound, Ostomy and Continence Nursing*, 46(6), 491–496
- Ko H-Y. Management and Rehabilitation of Spinal Cord Injuries. Springer Singapore, 2019.
- Kulik, L., Connor, J., Graham, D., & Hickey, P. (2018). Pressure injury prevention for paediatric cardiac surgical patients using a nurse-driven standardized clinical assessment and management plan. *Cardiology in the Young*, 28(9), 1151–1162.
- Kulik, L.A., Hasbani, N.R., Stellar, J.J., Quigley, S.M., Shelley, S.S., Wypij, D., Curley, Martha A. Q., for Braden QD Study Group Hospital-Acquired Pressure Injuries in Children With Congenital Heart Disease: Prevalence and Associated Factors*. *Pediatric Critical Care Medicine*, 20(11), 1048–1056. doi: 10.1097/PCC.0000000000002077
- Murray, J.S., Noonan, C., Quigley, S., & Curley, M.A.Q. (2013). Medical device-related hospital-acquired pressure ulcers in children: an integrative review. *Journal of Pediatric Nursing*, 28(6), 585–595. doi:10.1016/j.pedn.2013.05.004
- Neta, A. P. R., Cavalcante, T. B., Lima, A. B. S., Maciel, S. M., Miranda, S. M., & de Sousa, A. R. A. Epidemiological and Clinical Characterization of Children with Pres-

- sure Injuries Caracterização Epidemiológica e Clínica de Crianças com Lesões por Pressão. *Revista Enfermagem Atual*, 86.
- Razmus, I., & Bergquist-Beringer, S. (2017). Pressure Injury Prevalence and the Rate of Hospital-Acquired Pressure Injury Among Pediatric Patients in Acute Care. *Journal of wound, ostomy, and continence nursing : official publication of The Wound, Ostomy and Continence Nurses Society*, 44(2), 110–117. doi:10.1097/WON.0000000000000306
- Razmus, I., & Bergquist-Beringer, S. (2017). Pressure Ulcer Risk and Prevention Practices in Pediatric Patients: A Secondary Analysis of Data from the National Database of Nursing Quality Indicators®. *Ostomy/wound management*, 63(2), 28–32.
- Rowe, A., Mccarty, K., & Huett, A. (2018). Implementation of a Nurse Driven Pathway to Reduce Incidence of Hospital Acquired Pressure Injuries in the Pediatric Intensive Care Setting. *Journal of Pediatric Nursing*, 41, 104–109.
- Smith, H., Moore, Z., & Tan, M. (2019). Cohort study to determine the risk of pressure ulcers and developing a care bundle within a paediatric intensive care unit setting. *Intensive & Critical Care Nursing*, 53, 68–72.
- Sweeney, K. A., Cogill, K., Davis, K., & Jauncey-Cooke, J. I. (2018). Neonatal and pediatric pressure injuries secondary to limb splinting for intravascular access: case series and literature review. *Journal of the Association for Vascular Access*, 23(2), 108–116.
- Vocci, M.B., Fontes, C.M.B., Abbade, L.P.F. (2018). Pressure injury in the pediatric population: Cohort study using the Braden Q Scale. *Advances in Skin & Wound Care*, 31(10), 456–461 doi: 10.1097/01.ASW.0000542529.94557.0a
- Wang, D., Xu, H., Chen, S., Lou, X., Tan, J., Xu, Y. (2019) Medical adhesive-related skin injuries and associated risk factors in a pediatric intensive care unit. *Advances in Skin & Wound Care*, 32(4), 176–182. doi:10.1097/01.ASW.0000553601.05196.fb

Risk for neonatal pressure injury (00288)

- Aredes, N. D. A., de Araújo Santos, R. C., & Fonseca, L. M. M. (2017). Skin care of premature newborns: integrative review. *Revista eletrônica de Enfermagem [Internet]*.
- Chamblee, T., Pasek, T., Caillouette, C., Stellar, J., Quigley, S., & Curley, M. (2018). CE: How to predict pediatric pressure injury risk with the Braden QD Scale. *The American Journal of Nursing*, 118(11), 34–43.
- Clay, P., Cruz, C., Ayotte, K., Jones, J., & Fowler, S. B. (2018). Device related pressure ulcers Pre and post identification and intervention. *Journal of Pediatric Nursing*, 41, 77–79.
- Csoma, Z., Meszes, A., Ábrahám, R., Kemény, L., Tálosi, G., & Doró, P. (2016). Iatrogenic Skin Disorders and Related Factors in Newborn Infants. *Pediatric Dermatology*, 33(5), 543–548.
- Delmore, B., Deppisch, M., Sylvia, C., Luna-Anderson, C., Nie, A.M. (2019). Pressure Injuries in the Pediatric Population: A National Pressure Ulcer Advisory Panel White Paper, *Advances in Skin & Wound Care*, 32(9), 394–408.
- European Pressure Ulcer Advisory Panel, National Pressure Injury Advisory Panel and Pan Pacific Pressure Injury Alliance (2019). *Prevention and treatment of pressure ulcers/injuries: clinical practice guideline (3rd Ed.)*. ISBN 978-0-6480097-8-11
- He, M., Tang, A., Ge, X., & Zheng, J. (2016). Pressure ulcers in the intensive care unit: An analysis of skin barrier risk factors, *Advances in Skin & Wound Care*, 29(11), 493–498. doi: 10.1097/01.ASW.0000494779.66288.c9

- Huan, L. I., Jiang, S., Qun, Y. U., Yaqin, H. U., & Jiang, L. (2018). Characteristics and risk factors of pressure injuries in patients admitted to the PICU. *Chinese Journal of Nursing*, 53(3), 261–266.
- Jackson, D., Sarki, A. M., Betteridge, R., & Brooke, J. (2019). Medical device-related pressure ulcers: A systematic review and meta-analysis. *International Journal of Nursing Studies*, 92, 109–120.
- Kayser, S. A., VanGilder, C. A., Ayello, E. A., & Lachenbruch, C. (2018). Prevalence and analysis of medical device-related pressure injuries: results from the international pressure ulcer prevalence survey. *Advances in Skin & Wound Care*, 31(6), 276.
- Kim, M.J., Jang, J. M., Kim, H.K., Heo, H. J., Jeong, I. S. (2019). Medical adhesives-related skin injury in a pediatric intensive care unit. *Journal of Wound, Ostomy and Continence Nursing*, 46(6), 491–496
- Kulik, L., Connor, J., Graham, D., & Hickey, P. (2018). Pressure injury prevention for paediatric cardiac surgical patients using a nurse-driven standardized clinical assessment and management plan. *Cardiology in the Young*, 28(9), 1151–1162.
- Kulik, L.A., Hasbani, N.R., Stellar, J.J., Quigley, S.M., Shelley, S.S., Wypij, D., Curley, Martha A. Q., for Braden QD Study Group Hospital-Acquired Pressure Injuries in Children With Congenital Heart Disease: Prevalence and Associated Factors*. *Pediatric Critical Care Medicine*, 20(11), 1048–1056. doi: 10.1097/PCC.0000000000002077
- Murray, J.S., Noonan, C., Quigley, S., & Curley, M.A.Q. (2013). Medical device-related hospital-acquired pressure ulcers in children: an integrative review. *Journal of Pediatric Nursing*, 28(6), 585–595. doi:10.1016/j.pedn.2013.05.004
- Neta, A. P. R., Cavalcante, T. B., Lima, A. B. S., Maciel, S. M., Miranda, S. M., & de Sousa, A. R. A. Epidemiological and Clinical Characterization of Children with Pressure Injuries Caracterização Epidemiológica e Clínica de Crianças com Lesões por Pressão. *Revista Enfermagem Atual*, 86.
- Razmus, I., & Bergquist-Beringer, S. (2017). Pressure Injury Prevalence and the Rate of Hospital-Acquired Pressure Injury Among Pediatric Patients in Acute Care. *Journal of wound, ostomy, and continence nursing : official publication of The Wound, Ostomy and Continence Nurses Society*, 44(2), 110–117. doi:10.1097/WON.0000000000000306
- Razmus, I., & Bergquist-Beringer, S. (2017). Pressure Ulcer Risk and Prevention Practices in Pediatric Patients: A Secondary Analysis of Data from the National Database of Nursing Quality Indicators*. *Ostomy/wound management*, 63(2), 28–32.
- Rowe, A., Mccarty, K., & Huett, A. (2018). Implementation of a Nurse Driven Pathway to Reduce Incidence of Hospital Acquired Pressure Injuries in the Pediatric Intensive Care Setting. *Journal of Pediatric Nursing*, 41, 104–109.
- Smith, H., Moore, Z., & Tan, M. (2019). Cohort study to determine the risk of pressure ulcers and developing a care bundle within a paediatric intensive care unit setting. *Intensive & Critical Care Nursing*, 53, 68–72.
- Sweeney, K. A., Cogill, K., Davis, K., & Jauncey-Cooke, J. I. (2018). Neonatal and pediatric pressure injuries secondary to limb splinting for intravascular access: case series and literature review. *Journal of the Association for Vascular Access*, 23(2), 108–116.
- Vocci, M.B., Fontes, C.M.B., Abbade, L.P.F. (2018). Pressure injury in the pediatric population: Cohort study using the Braden Q Scale. *Advances in Skin & Wound Care*, 31(10), 456–461 doi: 10.1097/01.ASW.0000542529.94557.0a

Wang, D., Xu, H., Chen, S., Lou, X., Tan, J., Xu, Y. (2019) Medical adhesive-related skin injuries and associated risk factors in a pediatric intensive care unit. *Advances in Skin & Wound Care*, 32(4), 176–182. doi:10.1097/01.ASW.0000553601.05196.fb

Risk for shock (00205)

Angus, D. C.; Poll, T. D. Severe Sepsis and Septic Shock. *New England Journal of Medicine*, [s.l.], v. 369, n. 21, p.2062–2063, 21 nov. 2013. *New England Journal of Medicine (NEJM/MMS)*. <http://dx.doi.org/10.1056/nejmc1312359>.

Annane, D. et al. Current epidemiology of septic shock: The CUB-Réa network. *Am J Respir Crit Care Med*, v.168, n. 2, p. 165–72. 2003.

Aube, H. et al. Risk factors for septic shock in the early management of bacteremia. *Am J Med*, v.93, n. 3, p. 283–8. Sep. 1992.

Aydogdu, M.; Gursel G. Predictive factors for septic shock in patients with ventilator-associated pneumonia. *South Med J*, v. 101, n. 12, p. 1222–6. Dec. 2008.

Backer, D. et al. Pathophysiology of microcirculatory dysfunction and the pathogenesis of septic shock. *Virulence*, v. 5, n. 1, p.73–79, 25 set. 2013. Informa UK Limited. <http://dx.doi.org/10.4161/viru.26482>.

Cecconi, M. et al. Consensus on circulatory shock and hemodynamic monitoring. Task force of the European Society of Intensive Care Medicine. *Intensive Care Med*, v.40, n.12, p1795–815, 2014. <https://link.springer.com/content/pdf/10.1007%2Fs00134-014-3525-z.pdf>.

De Backer D, Dorman T. Surviving Sepsis Guidelines: A Continuous Move Toward Better Care of Patients With Sepsis. *JAMA*. 2017;317(8):807–808. doi:10.1001/jama.2017.0059

Dellinger, R. P. et al. Surviving Sepsis Campaign. *Critical Care Medicine*, [s.l.], v. 41, n. 2, p.580–637, fev. 2013. <http://dx.doi.org/10.1097/ccm.0b013e31827e83af>.

Driessen, R. G. H. et al. The influence of a change in septic shock definitions on intensive care epidemiology and outcome: comparison of sepsis-2 and sepsis-3 definitions. *Infect Dis (Auckl)* [Internet]. v. 50, n. 3, p.207–13. Jan. 2018.10.1080/23744235.2017.1383630.

Elias, A. C. G. P. et al. Incidence and risk factors for sepsis in surgical patients: A cohort study. *J Crit Care* [Internet], v.27, n.2, p. 159–66. 2012. Available from: <http://dx.doi.org/10.1016/j.jcrc.2011.08.001>.

Fleischmann, C. et al. Assessment of Global Incidence and Mortality of Hospital-treated Sepsis. Current Estimates and Limitations. *American Journal Of Respiratory And Critical Care Medicine*, [s.l.], v. 193, n. 3, p.259–272, fev. 2016. American Thoracic Society. <http://dx.doi.org/10.1164/rccm.201504-0781oc>.

Gaieski, D.F., Mikkelsen, M.E. (2020). Definition, classification, etiology, and pathophysiology of shock in adults. UpToDate, Available from: <https://www.uptodate.com/contents/definition-classification-etiology-and-pathophysiology-of-shock-in-adults#H25>

García-Gigorro, R. et al. Aplicación de la nueva definición Sepsis-3 en una cohorte de pacientes con sepsis grave y shock séptico ingresados en unidad de cuidados intensivos desde el Servicio de Urgencias. *Medicina Clínica*. January. 2019; v. 152, n. 1, p. 13–16. doi:10.1016/j.medcli.

Garrido, F. et al. Ações do enfermeiro na identificação precoce de alterações sistêmicas causadas pela sepse grave. *Abcs Health Sciences*, [s.l.], v. 42, n. 1, p.15–20, 26 abr. 2017. NEPAS. doi:10.7322/abcshs.v42i1.944.

- Giacomini, M.G. et al. Choque séptico: importante causa de morte hospitalar após alta da unidade de terapia intensiva. *Rev Bras Ter Intensiva*. Fev. 2015, v. 27, n.1, p. 51–56.
- Glickman, S. W. et al. Disease Progression in Hemodynamically Stable Patients Presenting to the Emergency Department With Sepsis. *Academic Emergency Medicine*, [s.l.], v. 17, n. 4, p.383–390, abr. 2010. Wiley. <http://dx.doi.org/10.1111/j.1553-2712.2010.00664.x>.
- Goyal, N.; Taylor, A.; Rivers E. Relationship between central and peripheral venous oxygen saturation and lactate levels: a prospective study. *J Emerg Med*, v. 50, n. 6, p. 809–817. 2016. doi:<http://dx.doi.org/10.1016/j.jemermed.2016.03.021>.
- Gyang, E. et al. A nurse-driven screening tool for the early identification of sepsis in an intermediate care unit setting. *Journal Of Hospital Medicine*, [s.l.], v. 10, n. 2, p.97–103, 25 nov. 2014. <http://dx.doi.org/10.1002/jhm.2291>.
- Howell MD, Davis AM. Management of Sepsis and Septic Shock. *JAMA*. 2017;317(8):847–848. doi:10.1001/jama.2017.0131
- Hwang, S. Y. et al. Association between hemodynamic presentation and outcome in sepsis patients. *Shock*, v. 42, n. 3, p. 205–10. 2014.
- Instituto Latino Americano de sepse. Roteiro de implementação de protocolo assistencial gerenciado de sepse. 5ª edição. São Paulo. 2019. Disponível em: <https://ilas.org.br/assets/arquivos/ferramentas/roteiro-de-implementacao.pdf>. Acesso em: 04- 10- 2019).
- Kang, C. et al. Risk factors and pathogenic significance of severe sepsis and septic shock in 2286 patients with gram-negative bacteremia. *J Infect*. v. 62, n. 1, p. :26–33. Jan. 2011.
- Kaukonen, K. et al. Systemic Inflammatory Response Syndrome Criteria in Defining Severe Sepsis. *New England Journal Of Medicine*, [s.l.], v. 372, n. 17, p.1629–1638, 23 abr. 2015. *New England Journal of Medicine (NEJM/MMS)*. <http://dx.doi.org/10.1056/nejmoa1415236>.
- Keep, J. W. et al. National early warning score at Emergency Department triage may allow earlier identification of patients with severe sepsis and septic shock: A retrospective observational study. *Emerg Med*, v. 33, n. 1, p. 37–41, jan. 2016.
- Kessler TM, Traini LR, Welk B, Schneider MP, Thavaseelan J, Curt A. Early neurological care of patients with spinal cord injury. *World J Urol*. 2018 Oct;36(10):1529–1536. [PubMed]
- Khwannimit, B.; Bhurayanontachai, R. The epidemiology of, and risk factors for, mortality from severe sepsis and septic shock in a tertiary-care university hospital setting. *Epidemiol Infect*, v. 137, n. 9, p.1333–41. Jul. 2009. doi:10.1017/S0950268809002027.
- Kowalski A, Brandis D. StatPearls [Internet]. StatPearls Publishing; Treasure Island (FL): Nov 12, 2019. Shock Resuscitation. [PubMed]
- Lee, J. H.; Lee Y. M.; Cho J. H. Risk factors of septic shock in bacteremic acute pyelonephritis patients admitted to an ER. *J Infect Chemother* [Internet], v. 18, n. 1, p. 130–3. 2012. Available from: <http://dx.doi.org/10.1007/s10156-011-0289-z>.
- Leligdowicz, A. et al. Association between Source of Infection and Hospital Mortality in Patients Who Have Septic Shock. *American Journal of Respiratory and Critical Care Medicine*, v. 189, n.10, p.1204–1213, march. 2014. doi:10.1164/rccm.201310-1875oc.
- Mayr, F. B.; Yende, S.; Angus, D. Epidemiology of severe sepsis, v. 5, n. 1, p. 4–11. 2014. Virulence. <http://dx.doi.org/10.4161/viru.27372>.

- Mazzone, A. et al. Clinical Features, Short-Term Mortality, and Prognostic Risk Factors of Septic Patients Admitted to Internal Medicine Units: Results of an Italian Multi-center Prospective Study. *Medicine Baltimore*. v. 95, n. 4, p. 2124. Jan 2016.
- Medoh LN. (2017). Prevention and Management of Postpartum Hemorrhage. [Doctoral dissertation]. Minneapolis: Walden University. Available from: <https://scholarworks.waldenu.edu/cgi/viewcontent.cgi?article=5568&context=dissertations>
- Neto, S. A. et al. The use of the pulse oximetric saturation / fraction of inspired oxygen ratio for risk stratification of patients with severe sepsis and septic shock. *J Crit Care [Internet]*, v. 28, n. 5, p. 681–6. 2013. <http://dx.doi.org/10.1016/j.jcrc.2013.04.005>.
- Öz, E. et al. Risk factors for multiorgan failure and mortality in severe sepsis patients who need intensive care unit follow-up. *Tuberk Toraks*, v.63n.3, p. 147–57, sep. 2015. doi:10.5578 / t.9472.
- Pinto LRC. Validação do diagnóstico de enfermagem risco de choque em pacientes sépticos. [Dissertação de mestrado]. Porto Alegre: Universidade Federal do Rio Grande do Sul.
- Prescott, H. C. et al. Late mortality after sepsis: propensity matched cohort study. *Bmj*, [s.l.], p.353–375, 17 maio 2016. BMJ. <http://dx.doi.org/10.1136/bmj.i2375>.
- Ramzi, J. et al. Predictive factors of septic shock and mortality in neutropenic patients. *Hematology*, v.12, n. 6, p. 543–8. Dec. 2007.
- Rhodes, A. et al. Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock. *Intensive Care Medicine*, [s.l.], v. 43, n. 3, p.304–377, 18 jan. 2017. Springer Nature. <http://dx.doi.org/10.1007/s00134-017-4683-6>.
- Rivers, E.; Ahrens, T. Improving outcomes for severe sepsis and septic shock: tools for early identification of at-risk patients and treatment protocol implementation. *Crit Care Clin*, v.24, n. 3, p. 41–47. Jul. 2008.
- Ruiz-Mesa, J. D. et al. Factors associated with severe sepsis or septic shock in complicated pyelonephritis. *Medicine*, v. 96, n. 43, p. 500–518, October. 2017. <http://dx.doi.org/10.1097/MD.00000000000008371>.
- Serafim, R.; Gomes, J. A.; Salluh, J.; Póvoa, P. A. Comparison of the Quick-SOFA and Systemic Inflammatory Response Syndrome Criteria for the Diagnosis of Sepsis and Prediction of Mortality. *Chest*, v. 153, n. 3, p. 646–655, jun 2018. doi:10.1016/j.chest.2017.12.015.
- Seymour, C. W. et al. Severe Sepsis in Pre-Hospital Emergency Care. *American Journal Of Respiratory And Critical Care Medicine*, [s.l.], v. 186, n. 12, p.1264–1271, 15 dez. 2012. American Thoracic Society. <http://dx.doi.org/10.1164/rccm.201204-0713oc>.
- Shankar-Hari, M. et al. Developing a New Definition and Assessing New Clinical Criteria for Septic Shock. *JAMA*, [s.l.], v. 315, n. 8, p.775–800, 23 fev. 2016. American Medical Association (AMA). <http://dx.doi.org/10.1001/jama.2016.0289>.
- Shankar-Hari, M. et al. Epidemiology of sepsis and septic shock in critical care units: comparison between sepsis-2 and sepsis-3 populations using a national critical care database. *British Journal of Anaesthesia*, v. 119, n. 4, p.626 – 636. 2017. <http://doi:10.1093/bja/aex234>.
- Singer, M. et al. The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3). *JAMA*, [s.l.], v. 315, n. 8, p.801–815, 23 fev. 2016. American Medical Association (AMA). <http://dx.doi.org/10.1001/jama.2016.0287>.
- Stein DM, Knight WA. Emergency Neurological Life Support: Traumatic Spine Injury. *Neurocrit Care*. 2017 Sep;27(Suppl 1):170–180. [PubMed]
- Tambo, M. et al. Predictors of septic shock in obstructive acute pyelonephritis. *World J Urol*. v. 32, n. 3, p. 803–11. Jun. 2014.

- Taylor MP, Wrenn P, O'Donnell AD. Presentation of neurogenic shock within the emergency department. *Emerg Med J*. 2017 Mar;34(3):157–162. [PubMed]
- Ullah, R. A. et al. A prospective observational study assessing the outcome of Sepsis in intensive care unit of a tertiary care hospital, Peshawar. *Pak J Med Sci*. v.32 n3, p 688–693. 18 april 2016. doi: <http://dx.doi.org/10.12669/pjms.323.9978>.
- Van Vught, L. A. et al. Incidence, Risk Factors, and Attributable Mortality of Secondary Infections in the Intensive Care Unit After Admission for Sepsis. *JAMA*, v. 315, n. 14, p. 1469–79. Apr. 2016.
- Viana, R. A. P. P. Sepsis: um problema de saúde pública A atuação e colaboração da Enfermagem na rápida identificação e tratamento da doença / Instituto Latino-Americano de Sepsis / Conselho Regional de Enfermagem. – São Paulo: COREN-SP, 2017. <Disponível em: <http://www.coren-sp.gov.br/sites/default/files/sepsis.pdf>, > Acesso em: 10 mai 2018.
- Vincent, J. et al. Scoring systems to assess organ dysfunction and survival. *Crit Care Clinics*, v. 16, n. 2, p. 353–366, Apr. 2000. doi:10.1016 / S0749-0704 (05) 70114-7.
- Vincent, J. et al. Sepsis definitions: time for change. *Lancet*, v. 381, p. 774–775, Out. 2013.
- Wan, Q. et al. Predictors of shock and mortality in solid organ transplant recipients with bacteremia caused by non-lactose-fermenting gram-negative bacilli. *Infect Dis (Auckl)*, v. 48, n. 1, p. :32–9. Oct. 2016.
- Yamamoto, Y. et al. Clinical characteristics and risk factors for septic shock in patients receiving emergency drainage for acute pyelonephritis with upper urinary tract calculi. *BMC Urol*, v. 12, n.4. Mar. 2012.
- Yoo, J. et al. A combination of early warning score and lactate to predict intensive care unit transfer of inpatients with severe sepsis/septic shock. *Korean J Intern Med*, v. 30, n. 4, p. 471–7. Jul. 2015.

Impaired skin integrity (00046)

- Agbenorku, P., Akpaloo, J., Chirurgie, F., Aboah, K., Klutsey, E., Hoyte-Williams, P. E., ... Hussey, R. (2015). Chemical Burn Injury in Kumasi. *Plastic and Reconstructive Surgery - Global Open*, 3(10), e548. doi:10.1097/gox.0000000000000519
- Aoki, Y., Brown, H. W., Brubaker, L., Cornu, J. N., Daly, J. O., & Cartwright, R. (2017). Urinary incontinence in women. *Nature Reviews Disease Primers*, 3, 17042. doi:10.1038/nrdp.2017.42
- B Duci, S., M Arifi, H., R Ahmeti, H., K Zatriqi, V., A Buja, Z., T Hoxha, E., & Y Mekaj, A. (2015). Outcomes of Older Adults with Burn Injury: University Clinical Center of Kosovo. *World journal of plastic surgery*, 4(2), 153–158.
- Barria P, R. Mauricio, & Santander M, Gema. (2006). Acceso vascular periferico en neonatos de cuidado intensivo: experiencia de un hospital publico. *Ciencia y enfermería*, 12(2), 35–44. doi:<https://dx.doi.org/10.4067/S0717-95532006000200005>
- Calero, Alberto & Jaimes, Ana. (2011). Characterization of students who use piercings in Cali, Colombia. *Colombia Medica*. 42. 501–7. 10.25100/cm.v42i4.951.
- De Faria, M. F., Ferreira, M. B. G., Marques dos Santos Felix, M., Calegari, I. B., & Barbosa, M. H. (2019). Factors associated with skin and mucosal lesions caused by medical devices in newborns: an observational study. *Journal of Clinical Nursing*. doi:10.1111/jocn.14998
- Faria, T. F., & Kamada, I. (2017). Lesões de pele em neonatos em cuidados intensivos neonatais. *Enfermería Global*, 17(1), 211. doi:10.6018/eglobal.17.1.273671

- González Consuegra, Renata Virginia, López Zuluaga, Wilmar José, & Roa Lizcano, Karen Tatiana. (2017). Epidemiología de lesiones de piel relacionadas con el cuidado: estudio de la prevalencia en Colombia. *Revista de Enfermagem Referência*, serIV (15), 65–72. doi:<https://dx.doi.org/10.12707/RIV17038>
- González Fernández, Pedro, Cabrera Rode, Eduardo, & Oti Gil, María Antonia. (2011). Resistencia a la insulina e historia familiar de diabetes en niños y adolescentes obesos con acantosis nigricans y sin ella. *Revista Cubana de Endocrinología*, 22(3), 210–224. Recuperado en 08 de julio de 2020, de http://scielo.sld.cu/scielo.php?script=sci_arttext&pid=S1561-29532011000300004&lng=es&tlng=es.
- Gozzo, Thais de Oliveira, Tahan, Fernanda Padovani, Andrade, Marceila de, Nascimento, Talita Garcia do, & Prado, Maria Antonieta Spinoso. (2014). Occurrence and management of neoplastic wounds in women with advanced breast cancer. *Escola Anna Nery*, 18(2), 270–276. doi:10.5935/1414-8145.20140039
- Guihan, M., Bates-Jenson, B. M., Chun, S., Parachuri, R., Chin, A. S., & McCreath, H. (2012). Assessing the feasibility of subepidermal moisture to predict erythema and stage 1 pressure ulcers in persons with spinal cord injury: A pilot study. *The Journal of Spinal Cord Medicine*, 35(1), 46–52. doi:10.1179/204577211×13209212104141
- Ha, J. F., & Longnecker, N. (2010). Doctor-patient communication: a review. *The Ochsner journal*, 10(1), 38–43.
- Jayarajah, U., Samarasekara, A. M. P., & Samarasekera, D. N. (2016). A study of long-term complications associated with enteral ostomy and their contributory factors. *BMC Research Notes*, 9(1).doi:10.1186/s13104-016-2304-z
- Kasolang, S., Adlina, W. A., Rahman, N. A., & Roseley, N. R. N. (2020). Common skin disorders: A review. *Jurnal Tribologi*, 25, 59–82.
- Kim, M. J., Jang, J. M., Kim, H. K., Heo, H. J., & Jeong, I. S. (2019). Medical Adhesives-Related Skin Injury in a Pediatric Intensive Care Unit. *Journal of Wound, Ostomy and Continence Nursing*, 46(6), 491–496. doi:10.1097/won.0000000000000592
- Konya, C., Sanada, H., Sugama, J., Okuwa, M., Kamatani, Y., Nakagami, G., & Sakaki, K. (2010). Skin injuries caused by medical adhesive tape in older people and associated factors. *Journal of Clinical Nursing*, 19(9–10), 1236–1242. doi:10.1111/j.1365-2702.2009.03168.x
- Lund, C. H., Kuller, J., Lane, A. T., Lott, J. W., Raines, D. A., & Thomas, K. K. (2001). Neonatal Skin Care: Evaluation of the AWHONN/NANN Research-Based Practice Project on Knowledge and Skin Care Practices. *Journal of Obstetric, Gynecologic & Neonatal Nursing*, 30(1), 30–40. doi:10.1111/j.1552-6909.2001.tb01519.x
- Madanchi, N., Tabatabaei-Malazy, O., Pajouhi, M., Heshmat, R., Larijani, B., & Mohajeri-Tehrani, M.-R. (2013). Who are diabetic foot patients? A descriptive study on 873 patients. *Journal of Diabetes & Metabolic Disorders*, 12(1), 36. doi:10.1186/2251-6581-12-36
- Muñoz M, Paula, Gómez H, Orietta, & Luzoro V, Amaranta. (2008). Skin diseases in human immunodeficiency virus positive children from Santiago, Chile. *Revista chilena de infectología*, 25(4), 277–282. doi:<https://dx.doi.org/10.4067/S0716-10182008000400005>
- Nagano, M., Ogata, Y., Ikeda, M., Tsukada, K., Tokunaga, K., & Iida, S. (2019). Peristomal Moisture-Associated Skin Damage and Independence in Pouching System Changes in Persons With New Fecal Ostomies. *Journal of Wound, Ostomy and Continence Nursing*, 46(2), 137–142. doi:10.1097/won.0000000000000491
- Oe, M., Sanada, H., Nagase, T., Minematsu, T., Ohashi, Y., Kadono, T., ... Kadowaki, T. (2012). Factors associated with deep foot fissures in diabetic patients: A cross-sectional study. *Journal of Diabetes and Its Complications*, 26(1), 1–6. doi:10.1016/j.jdiacomp.2011.08.002

- tional observational study. *International Journal of Nursing Studies*, 49(6), 739–746. doi:10.1016/j.ijnurstu.2012.01.007
- Paganin, A., & Rabelo, E. R. (2012). Clinical validation of the nursing diagnoses of Impaired Tissue Integrity and Impaired Skin Integrity in patients subjected to cardiac catheterization. *Journal of Advanced Nursing*, 69(6), 1338–1345. doi:10.1111/j.1365-2648.2012.06125.x
- Piñeros B., J., Calderón O., W., Castillo D., P., Steiner G., M., & Léniz M., P. (2018). Quemaduras químicas. *Cuadernos de Cirugía*, 16(1), 26–30. doi:10.4206/cuad.cir.2002.v16n1-05
- Quiroga Cuellar, J. P., Lafuente Lafuente, L. A., Rorigues Correia, T. R., Meireles Salomao, G., & Chacon Paco, L. (2018). Accidentes por quemaduras en edad pediátrica. *Revista Científica De Salud UNITEPC*, 5(2), 16–22. doi:10.36716/unitepc.v5i2.39
- Ratliff, C. R. (2017). Descriptive study of the frequency of medical adhesive-related skin injuries in a vascular clinic. *Journal of Vascular Nursing*, 35(2), 86–89. doi:10.1016/j.jvn.2017.01.001
- Ratliff, C. R., Scarano, K. A., & Donovan, A. M. (2005). Descriptive Study of Peristomal Complications. *Journal of Wound, Ostomy and Continence Nursing*, 32(1), 33–37. doi:10.1097/00152192-200501000-00008
- Resende, Daniella de Moura, Bachion, Maria Márcia, & Araújo, Lorena Aparecida de Oliveira. (2006). Integridade da pele prejudicada em idosos: estudo de ocorrência numa comunidade atendida pelo Programa Saúde da Família. *Acta Paulista de Enfermagem*, 19(2), 168–173. doi:https://dx.doi.org/10.1590/S0103-21002006000200008
- Ribeiro, M.A.S., Lages, J.S.S., & Lopes, M.H.B.M. (2012). Nursing diagnoses related to skin: operational definitions. *Revista Latino-Americana de Enfermagem*, 20(5), 863–872.
- Sanada, H., Sugama, J., Kitagawa, A., Thigpen, B., Kinoshita, S., & Murayama, S. (2007). Risk factors in the development of pressure ulcers in an intensive care unit in Pontianak, Indonesia. *International Wound Journal*, 4(3), 208–215. doi:10.1111/j.1742-481x.2007.00315.x
- Stegensek Mejía, E.M., Jiménez Mendoza, A., Romero Gálvez, L.E., & Aparicio Aguilar, A. (2015). Úlceras por presión en diversos servicios de un hospital de segundo nivel de atención. *Enfermería universitaria*, 12(4), 173–181. doi:https://dx.doi.org/10.1016/j.reu.2015.08.004
- Ter, N., Yavuz, M., Aydoğdu, S., & Kaya Biçer, E. (2015). The Effect of 2 Adhesive Products on Skin Integrity Used for Fixation of Hip and Knee Surgical Dressings. *Journal of Wound, Ostomy and Continence Nursing*, 42(2), 145–150. doi:10.1097/won.0000000000000112
- Valls-Matarín, J., del Cotillo-Fuente, M., Ribal-Prior, R., Pujol-Vila, M., & Sandalinas-Mulero, I. (2017). Incidencia de lesiones cutáneas asociadas a la humedad en una unidad de cuidados intensivos. *Enfermería Intensiva*, 28(1), 13–20. doi:10.1016/j.enfi.2016.11.001
- Zhang, Y., Wang, S., Zhang, X., Zhang, W., & Wang, X. (2020). Incidence and Influencing Factors of Medical Adhesive-Related Skin Injury in Critically Ill Patients. *Advances in Skin & Wound Care*, 33(5), 260–266. doi:10.1097/01.asw.0000658584.09988.fa
- Zhao, H., He, Y., Huang, H., Ling, Y., Zhou, X., Wei, Q., ... Ying, Y. (2018). Prevalence of medical adhesive-related skin injury at peripherally inserted central catheter insertion site in oncology patients. *The Journal of Vascular Access*, 19(1), 23–27. doi:10.5301/jva.5000805

Zhao, H., He, Y., Wei, Q., & Ying, Y. (2018). Medical Adhesive-Related Skin Injury Prevalence at the Peripherally Inserted Central Catheter Insertion Site. *Journal of Wound, Ostomy and Continence Nursing*, 45(1), 22–25. doi:10.1097/won.0000000000000394

Risk for impaired skin integrity (00047)

- Agbenorku, P., Akpaloo, J., Chirurgie, F., Aboah, K., Klutsey, E., Hoyte-Williams, P. E., ... Hussey, R. (2015). Chemical Burn Injury in Kumasi. *Plastic and Reconstructive Surgery - Global Open*, 3(10), e548. doi:10.1097/gox.0000000000000519
- Aoki, Y., Brown, H. W., Brubaker, L., Cornu, J. N., Daly, J. O., & Cartwright, R. (2017). Urinary incontinence in women. *Nature Reviews Disease Primers*, 3, 17042. doi:10.1038/nrdp.2017.42
- B Duci, S., M Arifi, H., R Ahmeti, H., K Zatriqi, V., A Buja, Z., T Hoxha, E., & Y Mekaj, A. (2015). Outcomes of Older Adults with Burn Injury: University Clinical Center of Kosovo. *World journal of plastic surgery*, 4(2), 153–158.
- Barria P, R. Mauricio, & Santander M, GEMA. (2006). Acceso vascular periferico en neonatos de cuidado intensivo: experiencia de un hospital publico. *Ciencia y enfermería*, 12(2), 35–44. doi:https://dx.doi.org/10.4067/S0717-95532006000200005
- Calero, Alberto & Jaimes, Ana. (2011). Characterization of students who use piercings in Cali, Colombia. *Colombia Medica*. 42. 501–7. 10.25100/cm.v42i4.951.
- De Faria, M. F., Ferreira, M. B. G., Marques dos Santos Felix, M., Calegari, I. B., & Barbosa, M. H. (2019). Factors associated with skin and mucosal lesions caused by medical devices in newborns: an observational study. *Journal of Clinical Nursing*. doi:10.1111/jocn.14998
- Faria, T. F., & Kamada, I. (2017). Lesões de pele em neonatos em cuidados intensivos neonatais. *Enfermería Global*, 17(1), 211. doi:10.6018/eglobal.17.1.273671
- González Consuegra, Renata Virginia, López Zuluaga, Wilmar José, & Roa Lizcano, Karen Tatiana. (2017). Epidemiología de lesiones de piel relacionadas con el cuidado: estudio de la prevalencia en Colombia. *Revista de Enfermagem Referência*, serIV (15), 65–72. doi:https://dx.doi.org/10.12707/RIV17038
- González Fernández, Pedro, Cabrera Rode, Eduardo, & Oti Gil, María Antonia. (2011). Resistencia a la insulina e historia familiar de diabetes en niños y adolescentes obesos con acantosis nigricans y sin ella. *Revista Cubana de Endocrinología*, 22(3), 210–224. Recuperado en 08 de julio de 2020, de http://scielo.sld.cu/scielo.php?script=sci_arttext&pid=S1561-29532011000300004&lng=es&tlng=es.
- Gozzo, Thais de Oliveira, Tahan, Fernanda Padovani, Andrade, Marceila de, Nascimento, Talita Garcia do, & Prado, Maria Antonieta Spinoso. (2014). Occurrence and management of neoplastic wounds in women with advanced breast cancer. *Escola Anna Nery*, 18(2), 270–276. doi:10.5935/1414-8145.20140039
- Guihan, M., Bates-Jenson, B. M., Chun, S., Parachuri, R., Chin, A. S., & McCreath, H. (2012). Assessing the feasibility of subepidermal moisture to predict erythema and stage 1 pressure ulcers in persons with spinal cord injury: A pilot study. *The Journal of Spinal Cord Medicine*, 35(1), 46–52. doi:10.1179/204577211×13209212104141
- Ha, J. F., & Longnecker, N. (2010). Doctor-patient communication: a review. *The Ochsner journal*, 10(1), 38–43.
- Jayarajah, U., Samarasekera, A. M. P., & Samarasekera, D. N. (2016). A study of long-term complications associated with enteral ostomy and their contributory factors. *BMC Research Notes*, 9(1).doi:10.1186/s13104-016-2304-z

- Kasolang, S., Adlina, W. A., Rahman, N. A., & Roseley, N. R. N. (2020). Common skin disorders: A review. *Jurnal Tribologi*, 25, 59–82.
- Kim, M. J., Jang, J. M., Kim, H. K., Heo, H. J., & Jeong, I. S. (2019). Medical Adhesives-Related Skin Injury in a Pediatric Intensive Care Unit. *Journal of Wound, Ostomy and Continence Nursing*, 46(6), 491–496. doi:10.1097/won.0000000000000592
- Konya, C., Sanada, H., Sugama, J., Okuwa, M., Kamatani, Y., Nakagami, G., & Sakaki, K. (2010). Skin injuries caused by medical adhesive tape in older people and associated factors. *Journal of Clinical Nursing*, 19(9–10), 1236–1242. doi:10.1111/j.1365-2702.2009.03168.x
- Lund, C. H., Kuller, J., Lane, A. T., Lott, J. W., Raines, D. A., & Thomas, K. K. (2001). Neonatal Skin Care: Evaluation of the AWHONN/NANN Research-Based Practice Project on Knowledge and Skin Care Practices. *Journal of Obstetric, Gynecologic & Neonatal Nursing*, 30(1), 30–40. doi:10.1111/j.1552-6909.2001.tb01519.x
- Madanchi, N., Tabatabaei-Malazy, O., Pajouhi, M., Heshmat, R., Larijani, B., & Mohajeri-Tehrani, M.-R. (2013). Who are diabetic foot patients? A descriptive study on 873 patients. *Journal of Diabetes & Metabolic Disorders*, 12(1), 36. doi:10.1186/2251-6581-12-36
- Muñoz M, Paula, Gómez H, Orietta, & Luzoro V, Amaranta. (2008). Skin diseases in human immunodeficiency virus positive children from Santiago, Chile. *Revista chilena de infectología*, 25(4), 277–282. doi:https://dx.doi.org/10.4067/S0716-10182008000400005
- Nagano, M., Ogata, Y., Ikeda, M., Tsukada, K., Tokunaga, K., & Iida, S. (2019). Peristomal Moisture-Associated Skin Damage and Independence in Pouching System Changes in Persons With New Fecal Ostomies. *Journal of Wound, Ostomy and Continence Nursing*, 46(2), 137–142. doi:10.1097/won.0000000000000491
- Oe, M., Sanada, H., Nagase, T., Minematsu, T., Ohashi, Y., Kadono, T., ... Kadowaki, T. (2012). Factors associated with deep foot fissures in diabetic patients: A cross-sectional observational study. *International Journal of Nursing Studies*, 49(6), 739–746. doi:10.1016/j.ijnurstu.2012.01.007
- Paganin, A., & Rabelo, E. R. (2012). Clinical validation of the nursing diagnoses of Impaired Tissue Integrity and Impaired Skin Integrity in patients subjected to cardiac catheterization. *Journal of Advanced Nursing*, 69(6), 1338–1345. doi:10.1111/j.1365-2648.2012.06125.x
- Piñeros B, J., Calderón O., W., Castillo D., P., Steiner G., M., & Léniz M., P. (2018). Quemaduras químicas. *Cuadernos de Cirugía*, 16(1), 26–30. doi:10.4206/cuad.cir.2002.v16n1-05
- Quiroga Cuellar, J. P., Lafuente Lafuente, L. A., Rorigues Correia, T. R., Meireles Salomao, G., & Chacon Paco, L. (2018). Accidentes por quemaduras en edad pediátrica. *Revista Científica De Salud UNITEPC*, 5(2), 16–22. doi:10.36716/unitepc.v5i2.39
- Ratliff, C. R. (2017). Descriptive study of the frequency of medical adhesive-related skin injuries in a vascular clinic. *Journal of Vascular Nursing*, 35(2), 86–89. doi:10.1016/j.jvn.2017.01.001
- Ratliff, C. R., Scarano, K. A., & Donovan, A. M. (2005). Descriptive Study of Peristomal Complications. *Journal of Wound, Ostomy and Continence Nursing*, 32(1), 33–37. doi:10.1097/00152192-200501000-00008
- Resende, Daniella de Moura, Bachion, Maria Márcia, & Araújo, Lorena Aparecida de Oliveira. (2006). Integridade da pele prejudicada em idosos: estudo de ocorrência numa comunidade atendida pelo Programa Saúde da Família. *Acta Paulista de Enfermagem*, 19(2), 168–173. doi:https://dx.doi.org/10.1590/S0103-21002006000200008

- Ribeiro, M.A.S., Lages, J.S.S., & Lopes, M.H.B.M. (2012). Nursing diagnoses related to skin: operational definitions. *Revista Latino-Americana de Enfermagem*, 20(5), 863–872.
- Sanada, H., Sugama, J., Kitagawa, A., Thigpen, B., Kinoshita, S., & Murayama, S. (2007). Risk factors in the development of pressure ulcers in an intensive care unit in Pontianak, Indonesia. *International Wound Journal*, 4(3), 208–215. doi:10.1111/j.1742-481x.2007.00315.x
- Stegensek Mejía, E.M., Jiménez Mendoza, A., Romero Gálvez, L.E., & Aparicio Aguilar, A. (2015). Úlceras por presión en diversos servicios de un hospital de segundo nivel de atención. *Enfermería universitaria*, 12(4), 173–181. doi:https://dx.doi.org/10.1016/j.reu.2015.08.004
- Ter, N., Yavuz, M., Aydoğdu, S., & Kaya Biçer, E. (2015). The Effect of 2 Adhesive Products on Skin Integrity Used for Fixation of Hip and Knee Surgical Dressings. *Journal of Wound, Ostomy and Continence Nursing*, 42(2), 145–150. doi:10.1097/won.0000000000000112
- Valls-Matarín, J., del Cotillo-Fuente, M., Ribal-Prior, R., Pujol-Vila, M., & Sandalinas-Mulero, I. (2017). Incidencia de lesiones cutáneas asociadas a la humedad en una unidad de cuidados intensivos. *Enfermería Intensiva*, 28(1), 13–20. doi:10.1016/j.enfi.2016.11.001
- Zhang, Y., Wang, S., Zhang, X., Zhang, W., & Wang, X. (2020). Incidence and Influencing Factors of Medical Adhesive-Related Skin Injury in Critically Ill Patients. *Advances in Skin & Wound Care*, 33(5), 260–266. doi:10.1097/01.asw.0000658584.09988.fa
- Zhao, H., He, Y., Huang, H., Ling, Y., Zhou, X., Wei, Q., ... Ying, Y. (2018). Prevalence of medical adhesive-related skin injury at peripherally inserted central catheter insertion site in oncology patients. *The Journal of Vascular Access*, 19(1), 23–27. doi:10.5301/jva.5000805
- Zhao, H., He, Y., Wei, Q., & Ying, Y. (2018). Medical Adhesive-Related Skin Injury Prevalence at the Peripherally Inserted Central Catheter Insertion Site. *Journal of Wound, Ostomy and Continence Nursing*, 45(1), 22–25. doi:10.1097/won.0000000000000394

Risk for sudden infant death (00156)

- Beckwith, J. B. (2003). Defining the sudden infant death syndrome. *Archives of pediatrics & adolescent medicine*, 157(3), 286–290.
- Byard, R. W., & Krous, H. F. (2003). Sudden infant death syndrome: overview and update. *Pediatric and Developmental Pathology*, 6(2), 112–127.
- Fares, I., McCulloch, K. M., & Raju, T. N. (1997). Intrauterine cocaine exposure and the risk for sudden infant death syndrome: a meta-analysis. *Journal of Perinatology*, 17(3), 179–182.
- Guntheroth, W. G., & Spiers, P. S. (2002). The triple risk hypotheses in sudden infant death syndrome. *Pediatrics*, 110(5), e64–e64.
- Hauck, F. R., Herman, S. M., Donovan, M., Iyasu, S., Moore, C. M., Donoghue, E., ... & Willinger, M. (2003). Sleep environment and the risk of sudden infant death syndrome in an urban population: the Chicago Infant Mortality Study. *Pediatrics*, 111(Supplement 1), 1207–1214.
- Hauck, F. R., Omojokun, O. O., & Siadaty, M. S. (2005). Do pacifiers reduce the risk of sudden infant death syndrome? A meta-analysis. *Pediatrics*, 116(5), e716–e723.

- Hauck, F. R., Thompson, J. M., Tanabe, K. O., Moon, R. Y., & Vennemann, M. M. (2011). Breastfeeding and reduced risk of sudden infant death syndrome: a meta-analysis. *Pediatrics*, 128(1), 103–110.
- Hunt, C. E., & Hauck, F. R. (2006). Sudden infant death syndrome. *Cmaj*, 174(13), 1861–1869.
- Krous, H. F., Beckwith, J. B., Byard, R. W., Rognum, T. O., Bajanowski, T., Corey, T., ... & Mitchell, E. A. (2004). Sudden infant death syndrome and unclassified sudden infant deaths: a definitional and diagnostic approach. *Pediatrics*, 114(1), 234–238.
- Moon, R. Y., & Fu, L. (2012). Sudden infant death syndrome: an update. *Pediatrics in Review*, 33(7), 314–320.
- Moon, R. Y., Horne, R. S., & Hauck, F. R. (2007). Sudden infant death syndrome. *The Lancet*, 370(9598), 1578–1587.
- Pease, A. S., Fleming, P. J., Hauck, F. R., Moon, R. Y., Horne, R. S., L'Hoir, M. P., ... & Blair, P. S. (2016). Swaddling and the risk of sudden infant death syndrome: a meta-analysis. *Pediatrics*, 137(6).
- Sullivan, F. M., & Barlow, S. M. (2001). Review of risk factors for sudden infant death syndrome. *Paediatric and perinatal epidemiology*, 15(2), 144–200.
- Tappin, D., Ecob, R., & Brooke, H. (2005). Bedsharing, roomsharing, and sudden infant death syndrome in Scotland: a case-control study. *The Journal of pediatrics*, 147(1), 32–37.
- Task Force on Sudden Infant Death Syndrome. (2005). The changing concept of sudden infant death syndrome: diagnostic coding shifts, controversies regarding the sleeping environment, and new variables to consider in reducing risk. *Pediatrics*, 116(5), 1245–1255.
- Vennemann, M. M., Bajanowski, T., Brinkmann, B., Jorch, G., Sauerland, C., & Mitchell, E. A. (2009). Sleep environment risk factors for sudden infant death syndrome: the German Sudden Infant Death Syndrome Study. *Pediatrics*, 123(4), 1162–1170.
- Vennemann, M. M., Bajanowski, T., Brinkmann, B., Jorch, G., Yücesan, K., Sauerland, C., & Mitchell, E. A. (2009). Does breastfeeding reduce the risk of sudden infant death syndrome?. *Pediatrics*, 123(3), e406–e410.
- Vennemann, M. M., Hense, H. W., Bajanowski, T., Blair, P. S., Complojer, C., Moon, R. Y., & Kiechl-Kohlendorfer, U. (2012). Bed sharing and the risk of sudden infant death syndrome: can we resolve the debate?. *The Journal of pediatrics*, 160(1), 44–48.

Risk for suffocation (00036)

None at this time.

Delayed surgical recovery (00100)

- Aahlin, E. K., Tranø, G., Johns, N., Horn, A., Søreide, J. A., Fearon, K. C., Lassen, K. (2015). Risk factors, complications and survival after upper abdominal surgery: a prospective cohort study. *BMC Surgery*, 15(1), 1. <https://doi.org/10.1186/s12893-015-0069-2>
- Aga, E., Keinan-Boker, L., Eithan, A., Mais, T., Rabinovich, A., & Nassar, F. (2015). Surgical site infections after abdominal surgery: incidence and risk factors. A prospective cohort study. *Infectious Diseases*, 47(11), 761–767.
- Braz, N. D. J., Evangelista, S. D. S., Evangelista, S. S., Garbaccio, J. L., & Oliveira, A. C. D. (2018). Surgical Site Infection in Patients Submitted to Cardiac Surgeries: An Epi-

- demiological Profile Analysis. *Revista de Enfermagem do Centro-Oeste Mineiro*, 8, e1793. doi:10.19175/recom.v8i0.1793
- Carmo, T. G. (2018). Validação clínica dos diagnósticos de enfermagem risco de recuperação cirúrgica retardada e recuperação cirúrgica retardada em pacientes de cirurgia cardíaca. [Tese]
- Cordeiro, A. L. L., Brito, A. Á. O. R., Carvalho, I., Oliveira, J., Guimarães, A. R., de Araújo, T. M., & Gardenghi, G. (2016). Surgical Risk and Functionality in Patients Undergoing Heart Surgery. *International Journal of Cardiovascular Sciences*, 29(5), 385–389.
- da Silva, G. S., de Sousa, A. G., Soares, D., Colósimo, F. C., & Piotto, R. F. (2013). Evaluation of the length of hospital stay in cases of coronary artery bypass graft by payer. *Revista da Associação Médica Brasileira*, 59(3), 248–253. doi:10.1016/j.ramb.2012.12.005
- Ejaz, A., Spolverato, G., Kim, Y., Frank, S. M., & Pawlik, T. M. (2014). Variation in triggers and use of perioperative blood transfusion in major gastrointestinal surgery. *British Journal of Surgery*, 101(11), 1424–1433.
- Flores, P. V. P., de Silva, D. M., Pereira, S. K., Cavalcanti, A. C. D., Pereira, J. D. M. V., & Santana, R. F. (2018). Nursing Diagnosis on Delayed Surgical Recovery in Elderly People: Multiple Case Study. *Revista de Enfermagem do Centro-Oeste Mineiro*, 8, e2519. doi:10.19175/recom.v8i0.2519
- Gan, T.G et al. Consensus Guidelines for the Management of Postoperative Nausea and Vomiting. *Anesth Analg.*, v.118, n. 1, p. 85–113, 2014.
- Gaughan, J., Kobel, C., Linhart, C., Mason, A., Street, A., & Ward, P. (2012). Why do patients having coronary artery bypass grafts have different costs or length of stay? An analysis across 10 European countries. *Health Economics*, 21 Suppl 2, 77–88. doi:10.1002/hec.2842
- Grønkjær M, Eliassen M, Skov Ettrup LS, Tolstrup JS, Christiansen AH, Mikkelsen SS, et al. Preoperative smoking status and postoperative complications: a systematic review and meta-analysis. *Ann Surg* 2014; 259:52–71. <http://dx.doi.org/10.1097/SLA.0b013e3182911913>
- Jakobson, T., Karjagin, J., Vipp, L., Padar, M., Parik, A. H., Starkopf, L., & Starkopf, J. (2014). Postoperative complications and mortality after major gastrointestinal surgery. *Medicina*, 50(2), 111–117.
- Knihs, N. S., Valmorbidia, Á. P., Lanzoni, G. M. M., Roza, B. A., & Ghellere, A. (2017). Path taken to heart surgery: Needs and expectations in preoperative preparation. *Avances en Enfermería*, 35(1), 30–41. doi:10.15446/av.enferm.v35n1.60753
- Koerich, C., Baggio, M. A., Erdmann, A. L., Lanzoni, G. M. D. M., & Higashi, G. D. C. (2013). Myocardial revascularization: strategies for coping with the disease and the surgical process. *Acta Paulista de Enfermagem*, 26(1), 8–13. doi:10.1590/S0103-21002013000100003
- Lopes, M. V. O., & da Silva, V. M. (2016). Methods for establishing the accuracy of clinical indicators in predicting nursing diagnoses. In Nanda Internacional Inc., T. H. Herdman, A. A. Napoleão, C. Takao, V. M. Martins, & Organizadores (Eds.), *Update program in nursing diagnoses (PRONANDA-I)*. Ciclo 4 (pp. 87–132). Porto Alegre: Artmed Panamericana.
- Lopes, M. V. O., da Silva, V. M., & Araujo, T. L. (2013). Validation of nursing diagnosis: Challenges and alternatives. *Brazilian Journal of Nursing*, 66(5), 649–655. doi:10.1590/S0034-71672013000500002

- Montrief, T., Koyfman, A., & Long, B. (2018). Coronary artery bypass graft surgery complications: A review for emergency clinicians. *The American Journal of Emergency Medicine*, 36(12), 2289–2297. doi:10.1016/j.ajem.2018.09.014
- Napoleão, A. A., Caldato, V. G., & Filho, P. J. F. (2009). Nursing diagnosis in planning the hospital discharge of prostatectomized patients: a preliminary study. *Revista Eletrônica de Enfermagem*, 11(2), 286–294. doi:10.5216/ree.v11.46961
- Neumann, F. J., Sousa-Uva, M., Ahlsson, A., Alfonso, F., Banning, A. P., Benedetto, U., Zembala, M. O. (2019). 2018 ESC/EACTS guidelines on myocardial revascularization. *European Heart Journal*, 40(2), 87–165. doi:10.1093/eurheartj/ehy394
- Pereira, N. H. C., & De Mattia, A. L. (2019). Postoperative complications related to intraoperative hypothermia. *Enfermería Global*, (55), 300.
- Pimentel, M. F., Soares, M. J. F., Murad, J. A. J., Oliveira, M. A. B., Faria, F. L., Faveri, V. Z., Guido, R. C. (2017). Predictive factors of long-term stay in the ICU after cardiac surgery: Logistic CASUS score, serum bilirubin dosage and extracorporeal circulation time. *Brazilian Journal of Cardiovascular Surgery*, 32(5), 367–371. doi:10.21470/1678-9741-2016-0072
- Quintana, J. F., & Kalil, R. A. K. (2012). Heart surgery: feeling of patient before and after surgery. *Revista Psicologia Hospitalar*, 10(2), 17–32.
- Rembold, S. M. (2017). Risco de recuperação cirúrgica retardada: análise conceitual e estudo caso-controle. [Tese]
- Rembold, S. M., Santana, R. F., de Souza, P. A., & Schwartz, S. M. D. O. X. (2018). Nursing Diagnosis Risk for Delayed Surgical Recovery (00246): Concept Clarification and Definition of Empirical Referents. *International journal of nursing knowledge*, 29(4), 263–268.
- Romanzini, A. E., de Carvalho, E. C., & Galvão, C. M. (2015). Delayed surgical recovery: a concept analysis. *Revista Brasileira de Enfermagem*, 68(5), 668–675.
- Santana, R. F., & de Oliveira Lopes, M. V. (2015). Measures of clinical accuracy and indicators of the nursing diagnosis of delayed surgical recovery. *Collegian*, 22(3), 275–282.
- Santana, R. F., Pereira, S. K., do Carmo, T. G., Freire, V. E. C. D. S., Soares, T. D. S., do Amaral, D. M., & Vaqueiro, R. D. (2018). Effectiveness of a telephone follow-up nursing intervention in postsurgical patients. *International Journal of Nursing Practice*, 24(4), e12648. doi:10.1111/ijn.12648
- Smith, C. D., & Custard, K. (2014). The experience of family members of ICU patients who require extensive monitoring: A qualitative study. *Critical Care Nursing Clinics of North America*, 26(3), 377–388. doi:10.1016/j.ccell.2014.04.004
- Soares, G. M. T., Ferreira, D. C. D. S., Gonçalves, M. P. C., Alves, T. G. D. S., David, F. L., Henriques, K. M. D. C., & Riani, L. R. (2011). Prevalence of Major Postoperative Complications in Cardiac Surgery. *Revista Brasileira de Cardiologia*, 24(3), 139–146.
- Sørensen LT. Wound Healing and Infection in Surgery: The Clinical Impact of Smoking and Smoking Cessation: A Systematic Review and Meta-analysis. *Arch Surg*. 2012;147(4):373–383. doi:10.1001/archsurg.2012.5

Risk for delayed surgical recovery (00246)

- Aahlin, E. K., Tranø, G., Johns, N., Horn, A., Søreide, J. A., Fearon, K. C., Lassen, K. (2015). Risk factors, complications and survival after upper abdominal surgery: a prospective cohort study. *BMC Surgery*, 15(1), 1. <https://doi.org/10.1186/s12893-015-0069-2>

- Aga, E., Keinan-Boker, L., Eithan, A., Mais, T., Rabinovich, A., & Nassar, F. (2015). Surgical site infections after abdominal surgery: incidence and risk factors. A prospective cohort study. *Infectious Diseases*, 47(11), 761–767.
- American Diabetes Association. (2018). 9. Cardiovascular disease and risk management: standards of medical care in diabetes—2018. *Diabetes care*, 41(Supplement 1), S86–S104. Recovered in 07 Jan, 2019, in https://care.diabetesjournals.org/content/41/Supplement_1/S86.abstract
- Araújo, N. R. D., Araújo, R. A. D., & Bezerra, S. M. M. D. S. (2014). Overweight and obesity repercussion in the postoperative of myocardial revascularization surgery. *Revista da Escola de Enfermagem da USP*, 48(2), 236–241. Recovered in 11 Jan, 2019, in http://www.scielo.br/scielo.php?pid=S0080-62342014000200236&script=s-ci_arttext
- Bossuyt, P. M., Reitsma, J. B., Bruns, D. E., Gatsonis, C. A., Glasziou, P. P., Irwig, L., & Cohen, J. F. (2015). STARD 2015: an updated list of essential items for reporting diagnostic accuracy studies. *Radiology*, 277(3), 826–832. Recovered in 23 Jun, 2018, in <https://pubs.rsna.org/doi/full/10.1148/radiol.2015151516>
- Braz, N. D. J., Evangelista, S. D. S., Evangelista, S. S., Garbaccio, J. L., & Oliveira, A. C. D. (2018). Surgical Site Infection in Patients Submitted to Cardiac Surgeries: An Epidemiological Profile Analysis. *Revista Enfermagem Centro-Oeste Mineiro*, 8, 1785–1793.
- Carmo, T. G. (2018). Validação clínica dos diagnósticos de enfermagem risco de recuperação cirúrgica retardada e recuperação cirúrgica retardada em pacientes de cirurgia cardíaca. [Tese]
- Celeux, G., & Soromenho, G. (1996). An entropy criterion for assessing the number of clusters in a mixture model. *Journal of classification*, 13(2), 195–212. Recovered in 21 Jun, 2018, in <https://link.springer.com/article/10.1007/BF01246098>
- Champion, S., Zieger, L., & Hemery, C. (2018). Prophylaxis of postoperative nausea and vomiting after cardiac surgery in high-risk patients: a randomized controlled study. *Annals of cardiac anaesthesia*, 21(1), 8. Recovered in 11 Jan, 2019, in <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5791499/>
- Cowper, P. A., DeLong, E. R., Hannan, E. L., Muhlbaier, L. H., Lytle, B. L., Jones, R. & Peterson, E. D. (2007). Is early too early? Effect of shorter stays after bypass surgery. *The Annals of thoracic surgery*, 83(1), 100–107. Recovered in 13 Dec, 2018, in <https://www.sciencedirect.com/science/article/pii/S0003497506015244>
- Ejaz, A., Spolverato, G., Kim, Y., Frank, S. M., & Pawlik, T. M. (2014). Variation in triggers and use of perioperative blood transfusion in major gastrointestinal surgery. *British Journal of Surgery*, 101(11), 1424–1433.
- Gan, T.G et al. Consensus Guidelines for the Management of Postoperative Nausea and
- Grønkjær M, Eliassen M, Skov Ettrup LS, Tolstrup JS, Christiansen AH, Mikkelsen SS, et al. Preoperative smoking status and postoperative complications: a systematic review and meta-analysis. *Ann Surg* 2014; 259:52–71. <http://dx.doi.org/10.1097/SLA.0b013e3182911913>
- Herdman, H. T., & Kamitsuru, S. (2018). *NANDA International Nursing Diagnoses: Definitions & Classification 2018–2020*. Wiley-Blackwell: Oxford.
- Jakobson, T., Karjagin, J., Vipp, L., Padar, M., Parik, A. H., Starkopf, L., & Starkopf, J. (2014). Postoperative complications and mortality after major gastrointestinal surgery. *Medicina*, 50(2), 111–117.

- Jenks, P. J., Laurent, M., McQuarry, S., & Watkins, R. (2014). Clinical and economic burden of surgical site infection (SSI) and predicted financial consequences of elimination of SSI from an English hospital. *Journal of Hospital Infection*, 86(1), 24–33. Recovered in 16 Nov, 2018, in <https://www.sciencedirect.com/science/article/pii/S0195670113003447>
- Knihs, N. D. S., Paula Valmorbida, Á., Lanzoni, G. M. D. M., Roza, B. D. A., & Ghel-
lere, A. (2017). Path taken to heart surgery: needs and expectations in preoperative preparation. *Avances en Enfermería*, 35(1), 30–41. Recovered in 18 Dec, 2018, in http://www.scielo.org.co/scielo.php?pid=S012145002017000100004&script=sci_art-text&tlng=pt
- Koliaki, C., Liatis, S., & Kokkinos, A. (2019). Obesity and cardiovascular disease: revisiting an old relationship. *Metabolism*, 92, 98–107. Recovered in 13 May, 2019, in <https://www.sciencedirect.com/science/article/pii/S0026049518302294>
- Lopes, M. V. O., da Silva, V. M., & de Araujo, T. L. (2012). Methods for establishing the accuracy of clinical indicators in predicting nursing diagnoses. *International journal of nursing knowledge*, 23(3), 134–139. Recovered in 20 Dec, 2018, in <https://onlinelibrary.wiley.com/doi/abs/10.1111/j.2047-3095.2012.01213>
- Neumann, F. J., Sousa-Uva, M., Ahlsson, A., Alfonso, F., Banning, A. P., Benedetto, & Zembala, M. O. (2018). 2018 ESC/EACTS guidelines on myocardial revascularization. *European heart journal*, 40(2), 87–165. Recovered in 17 Dec, 2018, in <https://academic.oup.com/eurheartj/article/40/2/87/5079120>
- Oliveira, F. D. S., Freitas, L. D. O. D., Rabelo-Silva, E. R., Costa, L. M. D., Kalil, R. A. K., & Moraes, M. A. P. D. (2017). Predictors of mediastinitis risk after coronary artery bypass surgery: applicability of score in 1.322 cases. *Arquivos brasileiros de cardiologia*, 109(3), 207–212. Recovered in 07 Jan, 2019, in http://www.scielo.br/scielo.php?pid=S0066-782X2017000900207&script=sci_arttext
- Pereira, N. H. C., & De Mattia, A. L. (2019). Postoperative complications related to intraoperative hypothermia. *Enfermería Global*, (55), 300.
- Pimentel, M. F., Soares, M. J. F., Junior, M., Alli, J., Oliveira, M. A. B. D., Faria, F. L., ... & Guido, R. C. (2017). Predictive Factors of Long-Term Stay in the ICU after Cardiac Surgery: Logistic CASUS Score, Serum Bilirubin Dosage and Extracorporeal Circulation Time. *Brazilian journal of cardiovascular surgery*, 32(5), 367–371. Recovered in 20 Dec, 2018, in http://www.scielo.br/scielo.php?pid=S0102-76382017000500367&script=sci_arttext
- Rembold, S. M. (2017). Risco de recuperação cirúrgica retardada: análise conceitual e estudo caso-controle. [Tese]
- Rembold, S. M., Santana, R. F., de Souza, P. A., & Schwartz, S. M. D. O. X. (2018). Nursing Diagnosis Risk for Delayed Surgical Recovery (00246): Concept Clarification and Definition of Empirical Referents. *International journal of nursing knowledge*, 29(4), 263–268.
- Romanzini, A. E., de Carvalho, E. C., & Galvão, C. M. (2015). Delayed surgical recovery: a concept analysis. *Revista Brasileira de Enfermagem*, 68(5), 668–675.
- Santana, R. F., & de Oliveira Lopes, M. V. (2015). Measures of clinical accuracy and indicators of the nursing diagnosis of delayed surgical recovery. *Collegian*, 22(3), 275–282.
- Sørensen LT. Wound Healing and Infection in Surgery: The Clinical Impact of Smoking and Smoking Cessation: A Systematic Review and Meta-analysis. *Arch Surg*. 2012;147(4):373–383. doi:10.1001/archsurg.2012.5
- Vomiting. *Anesth Analg*, v.118, n. 1, p. 85–113, 2014.

Impaired tissue integrity (00044)

- Andrade, F.V. (2008). Diagnósticos de enfermagem identificados em puérperas no período imediato e tardio no contexto da comunidade (Dissertação). Faculdade de Enfermagem, Universidade Federal de Goiás, Goiana.
- Barros, K.M. (2012). Revisão do diagnóstico de enfermagem integridade tissular prejudicada: uma análise de conceito (Dissertação). Escola de Enfermagem, Universidade Federal de Minas Gerais, Belo Horizonte.
- Bassoli, S.R.B., Guimarães, H.C.Q.C.P., Virmond, M. da C.L. (2007). Identificação dos Diagnósticos de Enfermagem mais freqüente em pacientes afetados pela hanseníase. *Hansenologia Internationalis*, 32(2), 175–184.
- Batista, L.T. de O., Rodrigues, F. de A., & Vasconelos, J. de M.B. (2011). Características clínicas e diagnósticos de enfermagem em crianças vítimas de queimadura. *Revista da Rede de Enfermagem do Nordeste*, 12(1), 158–165.
- Bryant, R.A. (2000). *Acute and chronic wounds: Nursing Management* (2nd ed.). St Louis: Mosby.
- Brito, M.A.G. de M. (2007). Diagnósticos de enfermagem da NANDA identificados em pessoas com lesão medular mediante abordagem baseada na teoria do déficit de autocuidado (Dissertação). Faculdade de Enfermagem, Universidade Federal de Goiás, Goiana.
- Cavalcante AMRZ, Moreira A, Azevedo KB, Lima LR, Coimbra WKAM. Diagnóstico de enfermagem: integridade tissular prejudicada identificado em idosos na Estratégia de Saúde da Família. *Rev. Eletr. Enf. [Internet]*. 2010 out/dez;12(4):727–35. Available from: <http://dx.doi.org/10.5216/ree.v12i4.8425>.
- Costanzi, A.P. (2011). Validação clínica dos diagnósticos de enfermagem mobilidade física prejudicada, integridade tissular prejudicada e integridade da pele em pacientes submetidos a cateterismo cardíaco (Dissertação). Escola de Enfermagem,
- Cyrillo, R.M.Z. & Dalri, M.C.B. (2005). Diagnósticos de enfermagem em vítimas de trauma atendidas em um serviço pré-hospitalar avançado móvel. *Revista Eletrônica de Enfermagem*, 11(4), 811–819.
- Dalri, C.C. & Rossi, L.A. (2006). Diagnósticos de enfermagem de pacientes em período pós-operatório imediato de colecistectomia laparoscópica (Dissertação). Escola de Enfermagem, Universidade de São Paulo, Ribeirão Preto.
- Fontes, C.M.B. & Cruz, D. de A.L.M. da. (2007). Diagnósticos de enfermagem documentados para pacientes de clínica médica. *Revista da Escola de Enfermagem da USP*, 41(3), 395–402.
- Goyatá, S.L.T., & Rossi, L.A. (2009). N Nursing Diagnoses of Burned Patients and Relatives' Perceptions of Patients' Needs. *International Journal of Nursing and Terminologies and Classifications*, 20(1), 16–24.
- Grixti, A., Sadri, M., Edgar, J., & Datta, A. V. (2012). Common ocular surface disorders in patients in intensive care units. *The ocular surface*, 10(1), 26–42.
- Guimarães, H.C.Q.C.P., Barros, A.L.B.L., Bassoli, S.R.B., Salotti, S.R.A., Oda, R.M., & Lunney, M. (2009). Helping a Man with Leprosy: A Case Study. *International Journal of Nursing and Terminologies and Classifications*, 20(3), 141–144.
- Handford, C., Buxton, P., Russell, K., Imray, C. E., McIntosh, S. E., Freer, L., Cochran, A., & Imray, C. H. (2014). Frostbite: a practical approach to hospital management. *Extreme physiology & medicine*, 3, 7. doi:10.1186/2046-7648-3-7
- Hermann, A.P. & Lacerda, M.R. (2007). Atendimento domiciliar à saúde: um relato de experiência. *Cogitare Enfermagem*, 12(4), 513–518.

- Kumar, V., Abbas, A.K., & Fausto, N. (2005). *Robbins e Contran: fundamentos de patologia* (7th ed.). Tradução de Edda Palmeiro et al. Rio de Janeiro: Editora Elsevier.
- Lima, L.R. de., Pereira, S.V.M., & Chianca, T.C.M. (2006). Diagnósticos de enfermagem em pacientes pós-caterismo cardíaco-contribuição de Orem. *Revista Brasileira de Enfermagem*, 59(3), 285–290.
- Lin, H., & Yiu, S.C. (2014). Dry eye disease: a review of diagnostic approaches and treatments. *Saudi Journal of Ophthalmology*, 28, 173–181.
- Malaquias, S.G., Bachion, M.M., Martins, M.A., Nunes, C.A.B., Torre, G.V., Pereira, L. V. (2014). Impaired tissue integrity, related factors and defining characteristics in persons with vascular ulcers. *Texto contexto – enferm*, 23(2), 434–442.
- Napolêo, A.A., Caldato, V.G., & Petrilli Filho, J.F. (2009). Diagnósticos de enfermagem para o planejamento da alta de homens prostatectomizados: um estudo preliminar. *Revista Eletrônica de Enfermagem*, 11(2), 286–294.
- Oliveira, A.P. de F. (2009). *Assistência de Enfermagem a pacientes submetidos à cirurgia bariátrica baseada na North American Nursing Diagnosis Association* (Tese). Faculdade de Ciências Médicas da Santa Casa de São Paulo, São Paulo.
- Paganin, A., & Rabelo, E. R. (2012). Clinical validation of the nursing diagnoses of Impaired Tissue Integrity and Impaired Skin Integrity in patients subjected to cardiac catheterization. *Journal of Advanced Nursing*, 69(6), 1338–1345. doi:10.1111/j.1365–2648.2012.06125.x
- Patine, F.S. & Furlan, M. de F.F.M. (2006). Diagnósticos de enfermagem no atendimento a puérperas e recém-nascidos internados em alojamento conjunto. *Arquivos de Ciências da Saúde*, 13(4), 202–208.
- PHTLS. (2011). *Atendimento pré-hospitalar ao traumatizado: básico e avançado*. Tradução de Renata Scavone et al.(7th ed.). Rio de Janeiro: Elsevier.
- Ramos, I. C., Oliveira, M.A.L. de., & Baga, V.A.B. (2011). Assistência de enfermagem no pós-operatório de transplante hepático: identificando diagnósticos de enfermagem. *Ciência, Cuidado e Saúde*, 10(1), 116–126.
- Salviano, M.E.M.S. (2007). *Transplante hepático: diagnósticos de enfermagem segundo a NANDA em pacientes no pós-operatório na unidade de internação* (Dissertação). Escola de Enfermagem, Universidade Federal de Minas Gerais, Belo Horizonte.
- Sampaio, L.M.S. & Carvalho, L.D.P. (2010). Pseudoaneurisma de artéria femoral superficial: relato de caso. *Revista de Pesquisa em Saúde*, 11(1), 55–59.
- Sharma, A., & Hindman, H.B. (2014). Aging: a predisposition to dry eyes. *Journal of Ophthalmology*, 2014, 781683.
- Sheu, Y., Cauley, J. A., Patrick, A. L., Wheeler, V. W., Bunker, C. H., & Zmuda, J. M. (2013). Risk Factors for Fracture in Middle-Age and Older-Age Men of African Descent. *Journal of Bone and Mineral Research*, 29(1), 234–241. doi:10.1002/jbmr.2016
- Silva, R.C.L., Figueiredo, N.M.A., & Meireles, I.B. (2009). *Feridas: Fundamentos e atualizações em enfermagem*. São Caetano do Sul: YENDIS.
- Silva.P.D.O. & Gorini, M.I.P.C. (2008). Diagnósticos de enfermagem do paciente com neoplasia colorretal em tratamento quimioterápico - Uma pesquisa qualitativa. *Online Brazilian Journal of Nursing*, 7(2).
- Silva, F.S., Viana, M.F., & Volpato, M.P. (2008). Diagnósticos de enfermagem em pacientes internados pela clínica ortopédica em unidade médico-cirúrgica. *Revista Gaúcha De Enfermagem / Eenfufgrs*, 29(4), 565–72.
- Silva, P.A. & Silva, S.R. (2010). Coriocarcinoma: um estudo de caso. *Revista Brasileira De Enfermagem*, 63(1), 148–157.

Risk for impaired tissue integrity (00248)

- Andrade, F.V. (2008). Diagnósticos de enfermagem identificados em puérperas no período imediato e tardio no contexto da comunidade (Dissertação). Faculdade de Enfermagem, Universidade Federal de Goiás, Goiana.
- Barros, K.M. (2012). Revisão do diagnóstico de enfermagem integridade tissular prejudicada: uma análise de conceito (Dissertação). Escola de Enfermagem, Universidade Federal de Minas Gerais, Belo Horizonte.
- Bassoli, S.R.B., Guimarães, H.C.Q.C.P., Virmond, M. da C.L. (2007). Identificação dos Diagnósticos de Enfermagem mais freqüente em pacientes afetados pela hanseníase. *Hansenologia Internationalis*, 32(2), 175–184.
- Batista, L.T. de O., Rodrigues, F. de A., & Vasconelos, J. de M.B. (2011). Características clínicas e diagnósticos de enfermagem em crianças vítimas de queimadura. *Revista da Rede de Enfermagem do Nordeste*, 12(1), 158–165.
- Bryant, R.A. (2000). *Acute and chronic wounds: Nursing Management* (2nd ed.). St Louis: Mosby.
- Brito, M.A.G. de M. (2007). Diagnósticos de enfermagem da NANDA identificados em pessoas com lesão medular mediante abordagem baseada na teoria do déficit de autocuidado (Dissertação). Faculdade de Enfermagem, Universidade Federal de Goiás, Goiana.
- Cavalcante AMRZ, Moreira A, Azevedo KB, Lima LR, Coimbra WKAM. Diagnóstico de enfermagem: integridade tissular prejudicada identificado em idosos na Estratégia de Saúde da Família. *Rev. Eletr. Enf. [Internet]*. 2010 out/dez;12(4):727–35. Available from: <http://dx.doi.org/10.5216/ree.v12i4.8425>.
- Costanzi, A.P. (2011). Validação clínica dos diagnósticos de enfermagem mobilidade física prejudicada, integridade tissular prejudicada e integridade da pele em pacientes submetidos a cateterismo cardíaco (Dissertação). Escola de Enfermagem,
- Cyrillo, R.M.Z. & Dalri, M.C.B. (2005). Diagnósticos de enfermagem em vítimas de trauma atendidas em um serviço pré-hospitalar avançado móvel. *Revista Eletrônica de Enfermagem*, 11(4), 811–819.
- Dalri, C.C. & Rossi, L.A. (2006). Diagnósticos de enfermagem de pacientes em período pós-operatório imediato de colecistectomia laparoscópica (Dissertação). Escola de Enfermagem, Universidade de São Paulo, Ribeirão Preto.
- Fontes, C.M.B. & Cruz, D. de A.L.M. da. (2007). Diagnósticos de enfermagem documentados para pacientes de clínica médica. *Revista da Escola de Enfermagem da USP*, 41(3), 395–402.
- Goyatá, S.L.T., & Rossi, L.A. (2009). N Nursing Diagnoses of Burned Patients and Relatives' Perceptions of Patients' Needs. *International Journal of Nursing and Terminologies and Classifications*, 20(1), 16–24.
- Grixti, A., Sadri, M., Edgar, J., & Datta, A. V. (2012). Common ocular surface disorders in patients in intensive care units. *The ocular surface*, 10(1), 26–42.
- Guimarães, H.C.Q.C.P., Barros, A.L.B.L., Bassoli, S.R.B., Salotti, S.R.A., Oda, R.M., & Lunney, M. (2009). Helping a Man with Leprosy: A Case Study. *International Journal of Nursing and Terminologies and Classifications*, 20(3), 141–144.
- Handford, C., Buxton, P., Russell, K., Imray, C. E., McIntosh, S. E., Freer, L., Cochran, A., & Imray, C. H. (2014). Frostbite: a practical approach to hospital management. *Extreme physiology & medicine*, 3, 7. doi:10.1186/2046-7648-3-7
- Hermann, A.P. & Lacerda, M.R. (2007). Atendimento domiciliar à saúde: um relato de experiência. *Cogitare Enfermagem*, 12(4), 513–518.

- Kumar, V., Abbas, A.K., & Fausto, N. (2005). *Robbins e Contran: fundamentos de patologia* (7th ed.). Tradução de Edda Palmeiro et al. Rio de Janeiro: Editora Elsevier.
- Lima, L.R. de., Pereira, S.V.M., & Chianca, T.C.M. (2006). Diagnósticos de enfermagem em pacientes pós-caterismo cardíaco-contribuição de Orem. *Revista Brasileira de Enfermagem*, 59(3), 285–290.
- Lin, H., & Yiu, S.C. (2014). Dry eye disease: a review of diagnostic approaches and treatments. *Saudi Journal of Ophthalmology*, 28, 173–181.
- Malaquias, S.G., Bachion, M.M., Martins, M.A., Nunes, C.A.B., Torre, G.V., Pereira, L. V. (2014). Impaired tissue integrity, related factors and defining characteristics in persons with vascular ulcers. *Texto contexto – enferm*, 23(2), 434–442.
- Napolêo, A.A., Caldato, V.G., & Petrilli Filho, J.F. (2009). Diagnósticos de enfermagem para o planejamento da alta de homens prostatectomizados: um estudo preliminar. *Revista Eletrônica de Enfermagem*, 11(2), 286–294.
- Oliveira, A.P. de F. (2009). *Assistência de Enfermagem a pacientes submetidos à cirurgia bariátrica baseada na North American Nursing Diagnosis Association* (Tese). Faculdade de Ciências Médicas da Santa Casa de São Paulo, São Paulo.
- Paganin, A., & Rabelo, E. R. (2012). Clinical validation of the nursing diagnoses of Impaired Tissue Integrity and Impaired Skin Integrity in patients subjected to cardiac catheterization. *Journal of Advanced Nursing*, 69(6), 1338–1345. doi:10.1111/j.1365–2648.2012.06125.x
- Patine, F.S. & Furlan, M. de F.F.M. (2006). Diagnósticos de enfermagem no atendimento a puérperas e recém-nascidos internados em alojamento conjunto. *Arquivos de Ciências da Saúde*, 13(4), 202–208.
- PHTLS. (2011). *Atendimento pré-hospitalar ao traumatizado: básico e avançado*. Tradução de Renata Scavone et al.(7th ed.). Rio de Janeiro: Elsevier.
- Ramos, I. C., Oliveira, M.A.L. de., & Baga, V.A.B. (2011). Assistência de enfermagem no pós-operatório de transplante hepático: identificando diagnósticos de enfermagem. *Ciência, Cuidado e Saúde*, 10(1), 116–126.
- Salviano, M.E.M.S. (2007). *Transplante hepático: diagnósticos de enfermagem segundo a NANDA em pacientes no pós-operatório na unidade de internação* (Dissertação). Escola de Enfermagem, Universidade Federal de Minas Gerais, Belo Horizonte.
- Sampaio, L.M.S. & Carvalho, L.D.P. (2010). Pseudoaneurisma de artéria femoral superficial: relato de caso. *Revista de Pesquisa em Saúde*, 11(1), 55–59.
- Sharma, A., & Hindman, H.B. (2014). Aging: a predisposition to dry eyes. *Journal of Ophthalmology*, 2014, 781683.
- Sheu, Y., Cauley, J. A., Patrick, A. L., Wheeler, V. W., Bunker, C. H., & Zmuda, J. M. (2013). Risk Factors for Fracture in Middle-Age and Older-Age Men of African Descent. *Journal of Bone and Mineral Research*, 29(1), 234–241. doi:10.1002/jbmr.2016
- Silva, R.C.L., Figueiredo, N.M.A., & Meireles, I.B. (2009). *Feridas: Fundamentos e atualizações em enfermagem*. São Caetano do Sul: YENDIS.
- Silva.P.D.O. & Gorini, M.I.P.C. (2008). Diagnósticos de enfermagem do paciente com neoplasia colorretal em tratamento quimioterápico - Uma pesquisa qualitativa. *Online Brazilian Journal of Nursing*, 7(2).
- Silva, F.S., Viana, M.F., & Volpato, M.P. (2008). Diagnósticos de enfermagem em pacientes internados pela clínica ortopédica em unidade médico-cirúrgica. *Revista Gaúcha De Enfermagem / Eenfufgrs*, 29(4), 565–72.
- Silva, P.A. & Silva, S.R. (2010). Coriocarcinoma: um estudo de caso. *Revista Brasileira De Enfermagem*, 63(1), 148–157.

11.3 Class 3. Violence

Risk for female genital mutilation (00272)

- Almansa Martínez P, Jiménez-Ruiz I, Alcón Belchí C, Pastor Bravo MM, Rodríguez Martínez EM. Protocolo para la prevención de la Mutilación Genital Femenina en la Región de Murcia. Asociación DEMUSA. (Edición digital) 2016. Disponible en: <http://www.demusa.org/proyectos/protocolo-prevenci%C3%B3n-mgf/>
- Andersson SH, Rymer J, Joyce DW, Momoh C, Gayle CM. Sexual quality of life in women who have undergone female genital mutilation: a case-control study. *BJOG*. 2012; 119(13):1606–1611
- Ballesteros Meseguer C, Almansa Martínez P, Pastor Bravo MdelM, Jiménez Ruiz I. [The voice of women subjected to female genital mutilation in the Region of Murcia (Spain)]. *Gac Sanit*. 2014; 28(4):287–291
- Banks E, Meirik O, Farley T, Akande O, Bathija H, Ali M, WHO study group on female genital mutilation and obstetric outcome. Female genital mutilation and obstetric outcome: WHO collaborative prospective study in six African countries. *Lancet*. 2006; 367(9525):1835–1841
- Berg RC, Underland V. The obstetric consequences of female genital mutilation/cutting: a systematic review and meta-analysis. *Obstet Gynecol Int*. 2013; 2013:496564
- Gobierno de Aragón. Protocolo para la prevención y actuación ante la Mutilación Genital Femenina en Aragón. Zaragoza, Gobierno de Aragón; 2011
- de Sanidad M, Sociales e Igualdad S. Protocolo Común de Actuación Sanitaria ante la Mutilación Genital Femenina. Ministerio de Sanidad, Servicios Sociales e Igualdad (Edición digital) 2015. Disponible en: http://www.msssi.gob.es/organizacion/sns/planCalidadSNS/pdf/equidad/Protocolo_MGF_vers5feb2015.pdf
- Instituto Navarro para la Familia e Igualdad. Protocolo para la prevención y actuación ante la Mutilación Genital Femenina en Navarra. Pamplona, Gobierno de Navarra; 2013
- Jiménez Ruiz I, Pastor Bravo M, Almansa Martinez P, Ballesteros Meseguer C. Men facing the ablation/Female Genital Mutilation (A/FGM): Cultural factors that support this tradition. *Procedia Soc Behav Sci*. 2014; 132:631–638
- Jiménez I, Almansa M, Pastor M, Pina F. Aproximación desde la Enfermería Transcultural a las perspectivas masculinas sobre la Ablación/Mutilación Genital Femenina (A/MGF). Revisión bibliográfica. *Enfermería Global*; 2012:396–410
- Jiménez-Ruiz I. Enfermería y Cultural: las fronteras del androcentrismo en la Ablación/Mutilación Genital Femenina [Tesis Doctoral]. Murcia: Universidad de Murcia; 2015. Disponible en: <https://digitum.um.es/jspui/bitstream/10201/45704/1/Tesis%20Ismael%20Jim%C3%A9nez%20Ruiz.pdf>
- Kaplan A, Hechavarría S, Martín M, Bonhoure I. Health consequences of female genital mutilation/cutting in the Gambia, evidence into action. *Reprod Health*. 2011; 8(26):26
- Organización Mundial de la Salud. Mutilación genital Femenina. Nota descriptiva n°:241. OMS; 2014
- Pastor M, Jiménez I, Moya M, Almansa P. Vivencias de un grupo de mujeres de Yibuti con la Mutilación Genital Femenina. *Enfermería Comunitaria*; 2013
- Sequi A, Touray I, Piniella Z. La erradicación de la Mutilación Genital Femenina. Enfoques y perspectivas desde la cooperación internacional para el desarrollo. Oviedo: O'DAM ONGD; 2013

UNAF. Guía para Profesionales. La MGF en España. Prevención e Intervención. Madrid: Unión Nacional de Asociaciones Familiares; 2013

UNAIDS, UNDP, UNFPA, UNHCR, UNICEF, UNIFEM, et al. Global strategy to stop health-care providers from performing female genital mutilation. Geneva, World Health Organization; 2010

UNICEF. Female Genital Mutilation/Cutting: A statistical overview and exploration of the dynamics of change. United Nations Children's Fund (edición digital) 2013. Available: http://www.unicef.org/media/files/FGCM_Lo_res.pdf

UNICEF. UNICEF's data work on FGM/C. (Online) 2016. Available at: http://www.unicef.org/media/files/FGMC_2016_brochure_final_UNICEF_SPREAD.pdf

Risk for other-directed violence (00138)

None at this time.

Risk for self-directed violence (00140)

None at this time.

Self-mutilation (00151)

None at this time.

Risk for self-mutilation (00139)

None at this time.

Risk for suicidal behavior (00289)

Belsher BE, Smolenski DJ, Pruitt LD, et al. Prediction Models for Suicide Attempts and Deaths: A Systematic Review and Simulation. *JAMA Psychiatry*. Published online March 13, 2019. doi:10.1001/jamapsychiatry.2019.0174

Bruffaerts, R., Demyttenaere, K., Borges, G., Haro, J. M., Chiu, W. T., Hwang, I., ... Nock, M. K. (2010). Childhood adversities as risk factors for onset and persistence of suicidal behaviour. *British Journal of Psychiatry*, 197(01), 20–27. doi:10.1192/bjp.bp.109.074716

Crawford, M. J., Thana, L., Methuen, C., Ghosh, P., Stanley, S. V., Ross, J., ... Bajaj, P. (2011). Impact of screening for risk of suicide: randomised controlled trial. *British Journal of Psychiatry*, 198(05), 379–384. doi:10.1192/bjp.bp.110.083592

De Sousa, G. S., Perrelli, J. G. A., de Oliveira Manguiera, S., de Oliveira Lopes, M. V., & Sougey, E. B. (2020). Clinical validation of the nursing diagnosis risk for suicide in the older adults. *Archives of Psychiatric Nursing*. doi:10.1016/j.apnu.2020.01.003

Dombrowski, A. Y., Szanto, K., Clark, L., Reynolds, C. F., & Siegle, G. J. (2013). Reward Signals, Attempted Suicide, and Impulsivity in Late-Life Depression. *JAMA Psychiatry*, 70(10), 1020. doi:10.1001/jamapsychiatry.2013.75

Ferreira, T. D. G., Vedana, K. G. G., do Amaral, L. C., Pereira, C. C. M., Zanetti, A. C. G., Miaso, A. I., & Borges, T. L. (2018). Assistance related to suicidal behavior at a mobile emergency service: Sociodemographic and clinical associated factors. *Archives of Psychiatric Nursing*. doi:10.1016/j.apnu.2018.11.012

Frey, et al. Suicide in older people, attitudes and knowledge of emergency nurses: A multi-centre study,

International Emergency Nursing, Volume 43, 2019, Pages 113–118, doi:10.1016/j.ienj.2019.01.003.

- Henson, K. E., Brock, R., Charnock, J., Wickramasinghe, B., Will, O., & Pitman, A. (2018). Risk of Suicide After Cancer Diagnosis in England. *JAMA Psychiatry*. doi:10.1001/jamapsychiatry.2018.3181
- Kim, J., Walsh, E., Pike, K., & Thompson, E. A. (2019). Cyberbullying and Victimization and Youth Suicide Risk: The Buffering Effects of School Connectedness. *The Journal of School Nursing*, 105984051882439. doi:10.1177/1059840518824395
- Kısa, S., Zeyneloğlu, S., & Sergek Verim, E. (2018). The Level of Hopelessness and Psychological Distress among Abused Women in A Women's Shelter in Turkey. *Archives of Psychiatric Nursing*. doi:10.1016/j.apnu.2018.08.009
- Large M, Smith G, Sharma S, Nielssen O, Singh SP. Systematic review and meta-analysis of the clinical factors associated with the suicide of psychiatric in-patients. doi:10.1111/j.1600-0447.2010.01672.x
- Miranda-Mendizábal, A., Castellví, P., Parés-Badell, O., Almenara, J., Alonso, I., Blasco, M. J., ... Alonso, J. (2017). Sexual orientation and suicidal behaviour in adolescents and young adults: systematic review and meta-analysis. *British Journal of Psychiatry*, 211(02), 77–87. doi:10.1192/bjp.bp.116.196345
- Séguin, M., Beauchamp, G., Robert, M., DiMambro, M., & Turecki, G. (2014). Developmental model of suicide trajectories. *British Journal of Psychiatry*, 205(02), 120–126. doi:10.1192/bjp.bp.113.139949
- Sousa, Girliani Silva de et al. Suicide in childhood: a literature review. *Ciênc. saúde coletiva* [online]. 2017, vol.22, n.9, pp.3099–3110. ISSN 1413–8123. <http://dx.doi.org/10.1590/1413-81232017229.14582017>.
- Sousa, GS. Clinical validation of the nursing diagnosis risk for suicide in the elderly. Thesis. Neuropsychiatry and Behavioral Sciences Graduate Program, Federal University of Pernambuco, Recife, Pernambuco, Brazil.2018.
- Summer DeBastiani & Joseph P De Santis (2018) Suicide Lethality: A Concept Analysis, *Issues in Mental Health Nursing*, 39:2, 117–125, doi:10.1080/01612840.2017.1364812
- Sun, F. (2011), A Concept Analysis of Suicidal Behavior. *Public Health Nursing*, 28: 458–468. doi:10.1111/j.1525-1446.2011.00939.x
- Vasiliki Efstathiou, Athanasia Papadopoulou, Christos Christodoulou, Rossetos Gournellis, Ioannis Michopoulos, Panagiotis Ferentinos, Charalabos Papageorgiou & Athanassios Douzenis (2018): The Relationship between Hopelessness and Clinical Characteristics of Hospitalized Patients with Recent Suicide Attempt, *Issues in Mental Health Nursing*, doi:10.1080/01612840.2018.1491656
- Yates, K., Lång, U., Cederlöf, M., Boland, F., Taylor, P., Cannon, M., ... Kelleher, I. (2018). Association of Psychotic Experiences With Subsequent Risk of Suicidal Ideation, Suicide Attempts, and Suicide Deaths. *JAMA Psychiatry*.doi:10.1001/jamapsychiatry.2018.3514

11.4 Class 4. Environmental hazards

Contamination (00181)

- Baker, J.E.L. (1992). Primary, secondary, and tertiary prevention in reducing pesticide related illness in farmers. *Journal of Community Health Nursing*, 9(4), 245–253.
- Berkowitz, G. S., Obel, J., Deych, E., Lapinski, R., Godbold, J., & Liu, Z. (2003). Exposure to indoor pesticides during pregnancy in a multiethnic, urban cohort. *Environmental Health Perspectives*, 111(1), 79–84.

- Brender, J., Suarez, L., Hendricks, K., Baetz, R.A., & Larsen, R. (2002). Parental occupation and neural tube defect-affected pregnancies among Mexican Americans. *Journal of Occupational and Environmental Medicine*, 44(7), 650–656.
- Butterfield, P.G. (2002). Upstream reflections on environmental health: An abbreviated history and framework for action. *Advances in Nursing Science*, 25(1), 32–49.
- Center for Disease Control and Prevention (2005). Third national report on human exposure to environmental chemicals: Executive summary. Atlanta, GA: Center for Disease Control and Prevention. NCEH Pub # 05–0725. Atlanta, GA: Center for Disease Control and Prevention.
- Center for Disease Control and Prevention (2004). Agency for Toxic Substances and Disease Registry. Retrieved from <http://www.atsdr.cdc.gov>.
- Chalupka, S.M. (2001). Essentials of environmental health. Enhancing your occupational health nursing practice. (Part I). *American Association of Occupational Health Nurses or Nursing*, 49(3), 137–154.
- Chalupka, S.M. (2001). Essentials of environmental health. Enhancing your occupational health nursing practice. (Part II). *American Association of Occupational Health Nurses or Nursing*, 49(4), 194–213.
- Children's Environmental Health Network. (2004). Resource guide on children's environmental health. Retrieved from <http://www.cehn.org>.
- Children's Environmental Health Network. (2005). Training manual on pediatric environmental health: Putting it into practice. Retrieved from <http://www.cehn.org>.
- Diaz, J.D.M., Lopez, M.A., & Campbell, P. (1999). Voluntary ingestion of organophosphate insecticide by a young farmer. *Journal of Emergency Nursing*, 25(4), 266–268.
- Dixon, J.K. & Dixon, J.P. (2002). An integrative model for environmental health research. *Advances in Nursing Science*, 24(3), 43–57.
- Environmental Protection Agency (2004). Understanding radiation health effects. EPA. Retrieved from <http://www.epa.gov>.
- Etzel, R. & Balk, S. (1999). *Handbook of pediatric environmental health* (1st ed.). Elk Grove, IL: American Academy of Pediatrics.
- Gerrard, C.E. (1998). Farmer's occupational health: Cause for concern, cause for action. *Journal of Advanced Nursing*, 28(1), 155–163.
- Goldman, L.R., Shannon, M.W., & the Committee on Environmental Health. (2001). Technical report: Mercury in the environment: Implications for physicians. *Pediatrics*, 108(1), 197–205.
- King, C. & Harber, P. (1998). Community environmental health concerns and the nursing process: four environmental health nursing care plans. *American Association of Occupational Health Nursing Journal*, 46(1), 20–27.
- Larsson, L.S. & Butterfield, P. (2002). Mapping the future of environmental health and nursing: strategies for integrating national competencies into nursing practice. *Public Health Nursing*, 19(4), 301–308.
- Massey-Stokes, M. & Lanning, B. (2002). Childhood cancer and environmental toxins: The debate continues. *Family and Community Health*, 24(4), 27–38.
- McCauley, L.A., Michaels, S., Rothlein, J., Muniz, J., Lasarev, M., & Ebbert, C. (2003). Pesticide exposure and self-reported home hygiene: practices in agricultural families. *American Association of Occupational Health Nurses or Nursing*, 51(3), 113 – 119.
- Meeker, B.J., Curruth, A., & Holland, C.B. (2002). Health hazards and preventive measures of farm women: emerging issues. *AAOHN*, 50(7), 307–314.
- Melum, M.F. (2001). Organophosphate toxicity. *American Journal of Nursing*, 101(5), 57–58.

- Rice, R. (1999). Environmental threats in the home: Home care nursing perspectives. *Geriatric Nursing*, 20(6), 332–336.
- Schneider, D. & Freeman, N. (2001). Children's environmental health risks: A state of the art conference. *Archives of Environmental Health*, 56(2), 103–110.
- Silbergeld, E.K. & Flaws, J.A. (2002). Environmental exposures and women's health. *Clinical Obstetrics and Gynecology*, 45(4), 1119–1128.
- Thornton, J.W., McCally, M., & Houlihan, J. (2002). Biomonitoring of industrial pollutants: Health and policy implications of the chemical body burden. *Public Health Reports*, 117(4), 315–323.

Risk for contamination (00180)

- Baker, J.E.L. (1992). Primary, secondary, and tertiary prevention in reducing pesticide related illness in farmers. *Journal of Community Health Nursing*, 9(4), 245–253.
- Berkowitz, G. S., Obel, J., Deych, E., Lapinski, R., Godbold, J., & Liu, Z. (2003). Exposure to indoor pesticides during pregnancy in a multiethnic, urban cohort. *Environmental Health Perspectives*, 111(1), 79–84.
- Brender, J., Suarez, L., Hendricks, K., Baetz, R.A., & Larsen, R. (2002). Parental occupation and neural tube defect-affected pregnancies among Mexican Americans. *Journal of Occupational and Environmental Medicine*, 44(7), 650–656.
- Butterfield, P.G. (2002). Upstream reflections on environmental health: An abbreviated history and framework for action. *Advances in Nursing Science*, 25(1), 32–49.
- Center for Disease Control and Prevention (2005). Third national report on human exposure to environmental chemicals: Executive summary. Atlanta, GA: Center for Disease Control and Prevention. NCEH Pub # 05–0725. Atlanta, GA: Center for Disease Control and Prevention.
- Center for Disease Control and Prevention (2004). Agency for Toxic Substances and Disease Registry. Retrieved from <http://www.atsdr.cdc.gov>.
- Chalupka, S.M. (2001). Essentials of environmental health. Enhancing your occupational health nursing practice. (Part I). *American Association of Occupational Health Nurses or Nursing*, 49(3), 137–154.
- Chalupka, S.M. (2001). Essentials of environmental health. Enhancing your occupational health nursing practice. (Part II). *American Association of Occupational Health Nurses or Nursing*, 49(4), 194–213.
- Children's Environmental Health Network. (2004). Resource guide on children's environmental health. Retrieved from <http://www.cehn.org>.
- Children's Environmental Health Network. (2005). Training manual on pediatric environmental health: Putting it into practice. Retrieved from <http://www.cehn.org>.
- Diaz, J.D.M., Lopez, M.A., & Campbell, P. (1999). Voluntary ingestion of organophosphate insecticide by a young farmer. *Journal of Emergency Nursing*, 25(4), 266–268.
- Dixon, J.K. & Dixon, J.P. (2002). An integrative model for environmental health research. *Advances in Nursing Science*, 24(3), 43–57.
- Environmental Protection Agency (2004). Understanding radiation health effects. EPA. Retrieved from <http://www.epa.gov>.
- Etzel, R. & Balk, S. (1999). *Handbook of pediatric environmental health* (1st ed.). Elk Grove, IL: American Academy of Pediatrics.
- Gerrard, C.E. (1998). Farmer's occupational health: Cause for concern, cause for action. *Journal of Advanced Nursing*, 28(1), 155–163.

- Goldman, L.R., Shannon, M.W., & the Committee on Environmental Health. (2001). Technical report: Mercury in the environment: Implications for physicians. *Pediatrics*, 108(1), 197–205.
- King, C. & Harber, P. (1998). Community environmental health concerns and the nursing process: four environmental health nursing care plans. *American Association of Occupational Health Nursing Journal*, 46(1), 20–27.
- Larsson, L.S. & Butterfield, P. (2002). Mapping the future of environmental health and nursing: strategies for integrating national competencies into nursing practice. *Public Health Nursing*, 19(4), 301–308.
- Massey-Stokes, M. & Lanning, B. (2002). Childhood cancer and environmental toxins: The debate continues. *Family and Community Health*, 24(4), 27–38.
- McCauley, L.A., Michaels, S., Rothlein, J., Muniz, J., Lasarev, M., & Ebbert, C. (2003). Pesticide exposure and self-reported home hygiene: practices in agricultural families. *American Association of Occupational Health Nurses or Nursing*, 51(3), 113–119.
- Meeker, B.J., Curruth, A., & Holland, C.B. (2002). Health hazards and preventive measures of farm women: emerging issues. *AAOHN*, 50(7), 307–314.
- Melum, M.F. (2001). Organophosphate toxicity. *American Journal of Nursing*, 101(5), 57–58.
- Rice, R. (1999). Environmental threats in the home: Home care nursing perspectives. *Geriatric Nursing*, 20(6), 332–336.
- Schneider, D. & Freeman, N. (2001). Children's environmental health risks: A state of the art conference. *Archives of Environmental Health*, 56(2), 103–110.
- Silbergeld, E.K. & Flaws, J.A. (2002). Environmental exposures and women's health. *Clinical Obstetrics and Gynecology*, 45(4), 1119–1128.
- Thornton, J.W., McCally, M., & Houlihan, J. (2002). Biomonitoring of industrial pollutants: Health and policy implications of the chemical body burden. *Public Health Reports*, 117(4), 315–323.

Risk for occupational injury (00265)

- Abad Toribio L, Colorado Aranguren D, Martín Ruiz D, Retana Maqueda MJ. (2011). Ruido ambiental
- Andel R, Crowe M, Hahn EA, et al. Work-related stress may increase the risk of vascular dementia. *J Am Geriatr Soc*. 2012; 60(1):60–67
- Ardila AM, Muñoz AI. Bioseguridad con énfasis en contaminantes biológicos en trabajadores de la salud. *Cien Saude Colet*. 2009; 14(6):2135–2141
- Argyropoulos CD, Sideris GM, Christolis MN, Nivolianitou Z, Markatos NC. Modeling pollutants dispersion and plume rise from large hydrocarbon tank fires in neutrally stratified atmosphere. *Atmos Environ*. 2010; 44(6):803–813
- Argyropoulos CD, Sideris GM, Christolis MN, Nivolianitou Z, Markatos NC. Modeling pollutants dispersion and plume rise from large hydrocarbon tank fires in neutrally stratified atmosphere. *Atmos Environ*. 2010; 44(6):803–813
- Arlinghaus A, Lombardi DA, Willetts JL, Folkard S, Christiani DC. A structural equation modeling approach to fatigue-related risk factors for occupational injury. *Am J Epidemiol*. 2012; 176(7):597–607
- Bulacio L, Giuliani S, Panelo M. Equipos de Protección Individual. Manual de horticultura periurbana; 2012:97
- Candia RC, Hennies WT, Azevedo RC, Almeida IG, Soto JF. Análisis de accidentes fatales en la industria minera peruana. *Bol Geol Min*. 2010; 121(1):57–68

- Corrao CRN, Mazzotta A, La Torre G, De Giusti M. Biological risk and occupational health. *Ind Health*. 2012; 50(4):326–337
- Cosgrove MP, Sargeant LA, Caleyachetty R, Griffin SJ. (2012). Work-related stress and type 2 diabetes
- de Castro AB, Fujishiro K, Rue T, Tagalog EA, Samaco-Paquiz LPG, Gee GC. Associations between work schedule characteristics and occupational injury and illness. *Int Nurs Rev*. 2010; 57(2):188–194
- Espluga Trenc JL. Actos inseguros en el trabajo: guía de intervención. Instituto Nacional de Seguridad e Higiene en el Trabajo, NTP 415
- Evangelinos KI, Nikolaou IE, Karagiannis A. Implementation of responsible care in the chemical industry: evidence from Greece. *J Hazard Mater*. 2010; 177(1–3):822–828
- Gil-Monte PR. [Psychosocial risks at work and occupational health]. [Riesgos psicosociales en el trabajo y salud ocupacional]. *Rev Peru Med Exp Salud Publica*. 2012; 29 (2):237–241
- Gil-Monte PR. [Psychosocial risks at work and occupational health]. [Riesgos psicosociales en el trabajo y salud ocupacional]. *Rev Peru Med Exp Salud Publica*. 2012; 29 (2):237–241
- Gómez J. El ruido: efectos psicológicos y su incidencia económica. *Revista Ingeniería*. 2011; 21(1). doi:10.15517/ring.v21i1.603
- Gómez-Arroyo S, Martínez-Valenzuela C, Carbajal-López Y, Martínez-Arroyo A, Calderón-Segura ME, Villalobos-Pietrini R, Waliszewski SM. Riesgo genotóxico por la exposición ocupacional a plaguicidas en América Latina. *Rev Int Contam Ambie*. 2013; 29:159–180
- Grau-Alberola E, Gil-Monte PR, García-Juesas JA, Figueiredo-Ferraz H. Incidence of burnout in Spanish nursing professionals: a longitudinal study. *Int J Nurs Stud*. 2010; 47(8):1013–1020
- Grenny J, Maxfield D. Five crucial conversations that drive workplace safety. *Prof Saf*. 2011; 56(8):24–26
- Honda M, Chompikul J, Rattanapan C, Wood G, Klungboonkrong S. Sharps injuries among nurses in a Thai regional hospital: prevalence and risk factors. *Int J Occup Environ Med*. 2011; 2(4):215–223
- Hu X, Zhang Z, Li N, et al. China Critical Care Clinical Trial Group. Self-reported use of personal protective equipment among Chinese critical care clinicians during 2009 H1N1 influenza pandemic. *PLoS One*. 2012; 7(9):e44723
- Kodama S, Kanda K. Nurse risk managers' criteria for dealing with near-miss events. *Biosci Trends*. 2010; 4(5):231–238
- Manuele FA. Reviewing heinrich: Dislodging two myths from the practice of safety. *Prof Saf*. 2011; 56(10):52–61
- Mustard CA, Chambers A, McLeod C, Bielecky A, Smith PM. Work injury risk by time of day in two population-based data sources. *Occup Environ Med*. 2013; 70(1):49–56
- Neves HCC, Souza ACS, Medeiros M, Munari DB, Ribeiro LCM, Tipple AFV. Safety of nursing staff and determinants of adherence to personal protective equipment. *Rev Lat Am Enfermagem*. 2011; 19(2):354–361
- Ormiston B. Dealing with bad vibrations. *Occup Health (Lond)*. 2013; 65(2):27–29
- Pastor Pérez Y. Evaluación a la exposición a campos magnéticos en la estación experimental agoralimentaria Tomás Ferro. El Autor; 2013

- Pérez-Manriquez GB, Sánchez-Aguilar M, Díaz GG, López EO, Escalante IEP. Diagnóstico de factores de riesgo relacionados con la accidentabilidad de mano en trabajadores de una empresa refresquera. *Med Segur Trab (Madr)*. 2012; 58(226):13–26
- Ramírez Mañas C. Estudio de prevalencia de las malformaciones congénitas cardíacas en la provincia de Almería y su relación con la exposición a fitosanitarios. Importancia de la actuación enfermera. 2013
- Ramos OC. Observación de conductas inseguras en el trabajo: un análisis metodológico. *Universitas Psychologica*. 2010; 11(1):311–321
- Reyes RM, Prado LR, Aguilera Á, Soltero R. Descripción de los conocimientos sobre factores humanos que causan accidentes en una industria arnesera Mexicana. *e-Gnosis*. 2011; 9:1–17
- Roelofs C, Sprague-Martinez L, Brunette M, Azaroff L. A qualitative investigation of Hispanic construction worker perspectives on factors impacting worksite safety and risk. *Environ Health*. 2011; 10(1):84
- Sanati KA, Yadegarfar G, Naghavi H, Mansouri M, Sanati JGH. Temporal trend of occupational injuries; first versus second half of a working shift. *Int J Occup Saf Ergon*. 2010; 16(1):49–54– (JOSE)
- Senjo SR. Dangerous fatigue conditions: A study of police work and law enforcement administration. *Police Pract Res*. 2011; 12(3):235–252
- Shao MF, Chou YC, Yeh MY, Tzeng WC. Sleep quality and quality of life in female shift-working nurses. *J Adv Nurs*. 2010; 66(7):1565–1572
- Sugiura S, Asano M, Kinoshita K, Tanimura M, Nabeshima T. Risks to health professionals from hazardous drugs in Japan: a pilot study of environmental and biological monitoring of occupational exposure to cyclophosphamide. *J Oncol Pharm Pract*. 2011; 17(1):14–19
- Taylor NAS, Lewis MC, Notley SR, Peoples GE. A fractionation of the physiological burden of the personal protective equipment worn by firefighters. *Eur J Appl Physiol*. 2012; 112(8):2913–2921
- Taylor NAS, Lewis MC, Notley SR, Peoples GE. A fractionation of the physiological burden of the personal protective equipment worn by firefighters. *Eur J Appl Physiol*. 2012; 112(8):2913–2921
- van Mark A, Spallek M, Groneberg DA, Kessel R, Weiler SW. Correlates shift work with increased risk of gastrointestinal complaints or frequency of gastritis or peptic ulcer in H. pylori-infected shift workers?. *Int Arch Occup Environ Health*. 2010; 83(4):423–431
- Viñeta Ruiz M, Gallego Yanez M, Villanueva GP. Manejo de citostáticos y salud reproductiva: revisión bibliográfica. *Med Segur Trab (Madr)*. 2013; 59(233):426–443
- Vrezas I, Elsner G, Bolm-Audorff U, Abolmaali N, Seidler A. Case-control study of knee osteoarthritis and lifestyle factors considering their interaction with physical workload. *Int Arch Occup Environ Health*. 2010; 83(3):291–300
- Wells MY. Time management for preclinical safety professionals. *Toxicol Pathol*. 2010; 38(5):675–680
- Wirtz A, Nachreiner F, Rolfes K. Working on Sundays—effects on safety, health, and work-life balance. *Chronobiol Int*. 2011; 28(4):361–370
- Zhang YH, Han CM, Chen GX, et al. Factors associated with chemical burns in Zhejiang province, China: an epidemiological study. *BMC Public Health*. 2011; 11(1):746

Risk for poisoning (00037)

Center for Disease Control and Prevention. (2005). Third national report on human exposure to environmental chemicals: Executive summary. Atlanta, GA: Center for Disease Control and Prevention. NCEH Pub # 05-0725

11.5 Class 5. Defensive processes

Risk for adverse reaction to iodinated contrast media (00218)

American College of Radiology [ACR] (2008). Manual on contrast media (version 6). Reston, VA: Author.

Bellin, M., Jakobsen, J., Tomassin, I., Thomsen, H.S., & Morcos, S.K. (2002). Contrast medium extravasation injury: guidelines for prevention and management. *European Radiology*, 12(11), 2807-2812.

Bettmann, M. A. (2004). Frequently asked questions: iodinated contrast agents. *Radiographics*, 24 (Special Issue), S3-S10. Brockow, K., Christiansen, C., Kanny, G., Clément, O., Barbaud, A., Bircher, A., & Pichler, W.J., ENDA EAACI interest group on drug hypersensitivity (2005). Management of hypersensitivity reactions to iodinated contrast media. *Allergy*, 60(2), 150-158.

Cohan, R. H., Ellis, J. H., & Garner, W. L. (1996). Extravasation of radiographic contrast material: recognition, prevention, and treatment. *Radiology*, 200(3), 593-604.

Costa, N. (2004). Understanding contrast media. *Journal of Infusion Nursing*, 27(5), 302-312.

European Society of Urogenital Radiology [ESUR] (2007). ESUR Guidelines on contrast media (version 6). Heidelberg: Springer-Verlag.

Hash, R. B. (1999). Intravascular radiographic contrast media: issues for family physicians. *Journal of the American Board of Family Practice*, 12(1), 32-42.

Juchem, B. C., & Dall'Agnol, C. M. (2007). Immediate adverse reactions to intravenous iodinated contrast media in computed tomography. *Revista Latino-Americana de Enfermagem*, 15(1), 78-83.

Juchem, B. C., Dall'Agnol, C. M., & Magalhães, A. M. M. (2004). Contraste iodado em tomografia computadorizada: prevenção de reações adversas. *Revista Brasileira de Enfermagem*, 57(1), 57-61.

Katayama, H., Yamaguchi, K., Kozuka, T., Takashima, T., Seez, P., & Matsuura, K. (1990). Adverse reactions to ionic and nonionic contrast media: a report from the Japanese Committee on the Safety of Contrast Media. *Radiology*, 175(3), 621-628.

Maddox, T. G. (2002). Adverse reactions to contrast material: recognition, prevention, and treatment. *American Family Physician*, 66(7), 1229-1234.

Namasivayam, S., Kalra, M. K., Torres, W. E., & Small, W. C. (2006). Adverse reactions to intravenous iodinated contrast media: a primer for radiologists. *Emergency Radiology*, 12(5), 210-215.

Reddan, D. (2007). Patients at high risk of adverse events from intravenous contrast media after computed tomography examination. *European Journal of Radiology*, 62(1), 26-32.

Riedl, M. A., & Casillas, A. M. (2003). Adverse drug reactions: types and treatment options. *American Family Physician*, 68(9), 1781-1790.

Siddiqi, N. H. (2008). Contrast medium reactions, recognition and treatment. *Emedicine*. Retrieved from <http://www.emedicine.com/Radio/topic864.htm>

- Schild, H. H., Kuhl, C. K., Hübner-Steiner, U., Böhm, I., & Speck, U. (2006). Adverse events after unenhanced and monomeric and dimeric contrast-enhanced CT: a prospective randomized controlled trial. *Radiology*, 240(1), 56–64.
- Singh, J., & Daftary, A. (2008). Iodinated contrast media and their adverse reactions. *Journal of Nuclear Medicine Technology*, 36(2), 69–74.
- Stacul, F. (2007). Managing the risk associated with use of contrast media for computed tomography. *European Journal of Radiology*, 62(1), 33–37.
- Thomsen, H. S., & Morcos, S. K. (2004). Management of acute adverse reactions to contrast media. *European Radiology*, 14(3): 476–481.
- Valls, C., Andía, E., Sánchez, A., & Moreno, V. (2003). Selective use of low-osmolality contrast media in computed tomography. *European Radiology*, 13(8), 2000–2005.
- Vervloet, D., & Durham, S. (1998). Adverse reactions to drugs. *British Medical Journal*, 316(7143), 1511–1514.
- Webb, J.A., Stacul, F., Thompson, H.S., & Morcos, S.K. (2003) Late adverse reactions to intravascular iodinated contrast media. *European Radiology*, 13(1), 181–184.
- Widmark, J. M. (2007). Imaging-related medications: a class overview. *Proceedings (Baylor University Medical Center)*, 20(4), 408–417.

Risk for allergy reaction (00217)

- Alexiou, C., Kau, R.J., Luppia, P., & Arnold, W. (1998). Allergic reactions after systemic administration of glucocorticosteroid therapy. *Archives Otolaryngology – Head and Neck Surgery*, 124(11), 1260–1264.
- de Andrade, E.D., Ranali, J., Volpato, M. C., & de Oliveira, M.M. (2000). Allergic reaction after rubber dam placement. *Journal of Endodontics*, 26(3), 182–183.
- Diaz, J.H. (2005). Syndromic diagnosis and management of confirmed mushroom poisonings. *Critical Care Medicine*, 33(2), 427–436.
- Ellis, A.K., & Day, J.H. (2005). Clinical reactivity to insect stings. *Current Opinion in Allergy and Clinical Immunology*, 5(4), 349–354.
- Friedlaender, M.H. Objective measurement of allergic reactions in the eye. *Current Opinion in Allergy and Clinical Immunology*, 4(5), 447–453.
- Gomes, E.R., & Demoly, P. (2005). Epidemiology of hypersensitivity drug reactions. *Current Opinion in Allergy and Clinical Immunology*, 5(4), 309 – 316.
- Haberman, M. L. (1978). Malignant hyperthermia. An allergic reaction to thioridazine therapy. *Archives of Internal Medicine*, 138(5), 800 – 801.
- Hansen, I., Klimek, L., Mosges, R., & Hormann, K. (2004). Mediators of inflammation in the early and the late phase of allergic rhinitis. *Current Opinion in Allergy and Clinical Immunology*, 4(3), 159 – 163.
- Hathaway, L. R. (2005). Anaphylaxis. *LPN*, 1(3), 38 – 39.
- Huby, R.D., Dearman, R.J., & Kimber, I. (2000). Why are some proteins allergens? *Toxicological Sciences*, 55(2), 235–246.
- Leung, D.Y.M., Boguniewicz, M., Howell, M. D., Nomura, I, & Hamid, Q.A. (2004). New insights into atopic dermatitis. *The Journal of Clinical Investigation*, 113(5), 651–657.
- McKevith, B., & Theobald, H. (2005). Common food allergies. *Nursing Standard*, 19 (29), 19, 29, 39–42.
- Merrill, D.B., William, G., & Goff, D.C. (2005). Adverse cardiac effects associated with clozapine. *Journal of Clinical Psychopharmacology*, 25(1), 32–41.
- Nowak-Węgrzyn, A., Conover-Walker, M., & Wood, R.A. (2001). Food-allergic reactions in schools and preschools. *Archives of Pediatric & Adolescent Medicine*, 155, 790–795.

- Reisman, R.E. (2005). Unusual reactions to insect stings. *Current Opinion in Allergy and Clinical Immunology*, 5, 355–358.
- Shovlin, J.P., & Corso, M.P. (2005). Ocular allergy: recognizing, treating, and avoiding. *Contemporary Optometry*, 3(3), 1–7.
- Weir, E. (2005). Sushi, nemotodes, and allergies. *Canadian Medical Association Journal*, 172(3), 329.

Risk for latex allergy reaction (00042)

- Bedolla-Barajas, M., Machuca-Rincón, M.L., Morales-Romero, J., Macriz-Romero, N., Madrigal-Beas, I.M., Robles-Figueroa, M., Bedolla-Pulido, T.R., González-Mendoza, T. (2017). [Self-reported prevalence of latex allergy and associated factors in health-care workers]. *Rev Alerg Mex.*, 64 (4), 430–438.
- Beierwaltes, P., Schoessler, S. (2017). Latex Safe at School: A Student-Centered Approach. *NASN Sch Nurse*, 32 (6), 343–345.
- Cremer R, Lorbacher M, Hering F, Engelskirchen R. Natural rubber latex sensitisation and allergy in patients with spina bifida, urogenital disorders and oesophageal atresia compared with a normal paediatric population. *Eur J Pediatr Surg*. 2007;17(3):194–198. doi:10.1055/s-2007-965144
- Hohler, S. E. (2017). Keeping children with latex allergies safe. *Nursing*, 47(10), 1–5.
- Kelly, K. J., & Sussman, G. (2017). Latex Allergy: Where Are We Now and How Did We Get There? *The Journal of Allergy and Clinical Immunology: In Practice*, 5(5), 1212–1216.
- Kelly, K.J. (2017). Facts on Latex Allergy. Allergy & Asthma Network. Available from: <https://www.allergyasthmanetwork.org/cms/wp-content/uploads/2017/04/Facts-on-Latex-Allergy.pdf>
- Liberatore, K., Kelly, K.J. (2018). Latex Allergy Risks Live On. *J Allergy Clin Immunol Pract.*, 6(6), 1877–1878.
- Spartà G, Kemper MJ, Gerber AC, Goetschel P, Neuhaus TJ. Latex allergy in children with urological malformation and chronic renal failure. *J Urol*. 2004;171(4):1647–1649. doi:10.1097/01.ju.0000117961.92908.eb
- Wu, M., McIntosh, J., Liu, J. (2016). Current prevalence rate of latex allergy: why it remains a problem? *Journal of Occupational Health*, 58 (2), 138–144.

11.6 Class 6. Thermoregulation

Hyperthermia (00007)

- Baumgart S. Iatrogenic hyperthermia and hypothermia in the neonate. *Clin Perinatol*. 2008; 35(1):183–197, ix–x
- Chatson K, Fant M, Cloherty JP. Controle da temperatura. [Temperature control]. In: Cloherty JP, Stark AR, eds. *Manual de neonatologia*. 4th ed. Rio de Janeiro: MEDSI Editora Médica e Científica Ltda.; 2000: 149–153
- Fluhr JW, Darlenski R, Taieb A, et al. Functional skin adaptation in infancy - almost complete but not fully competent. *Exp Dermatol*. 2010; 19(6):483–492
- Foster KG, Hey EN, Katz G. The response of the sweat glands of the newborn baby to thermal stimuli and to intradermal acetylcholine. *J Physiol*. 1969; 203(1):13–29
- Harpin VA, Chellappah G, Rutter N. Responses of the newborn infant to overheating. *Biol Neonate*. 1983; 44(2):65–75
- Kattwinkel J, d. *Textbook of neonatal resuscitation*. 5th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2006

- Laptook AR, Watkinson M. Temperature management in the delivery room. *SeminFetal Neonatal Med.* 2008; 13(6):383–391
- Lunze K, Hamer DH. Thermal protection of the newborn in resource-limited environments. *J Perinatol.* 2012; 32(5):317–324
- Mechem CC, Danzl DF, Grayzel J. (2011). Severe hyperthermia (heat stroke) in adults. <http://ultra-medica.net/Uptodate21.6/contents/UTD.htm?15/40/16007/contributor-disclosure#H2140224>
- Silverman WA, Fertig JW, Berger AP. The influence of the thermal environment upon the survival of newly born premature infants. *Pediatrics.* 1958; 22(5):876–886
- Stanton AN, Scott DJ, Downham MA. Is overheating a factor in some unexpected infant deaths? *Lancet.* 1980; 1(8177):1054–1057
- World Health Organization. Thermal protection of the newborn: A practical guide. Geneva: World Health Organization; 1997

Hypothermia (00006)

- American College of Surgeons Committee on Trauma. Advanced Trauma Life Support for Doctors. Students Course Manual. 7th ed. Chicago, IL: American College of Surgeons Committee on Trauma; 2004
- Annibale DJ, Bissinger RL. The golden hour. *Adv Neonatal Care.* 2010; 10(5):221–223
- Araújo BF, Zatti H, Madi JM, Coelho MB, Olmi FB, Canabarro CT. Analysis of neonatal morbidity and mortality in late-preterm newborn infants. *J Pediatr (Rio J).* 2012; 88(3):259–266
- Bang AT, Reddy HM, Bang RA, Deshmukh MD. Why do neonates die in rural Gadchiroli, India? (Part II): estimating population attributable risks and contribution of multiple morbidities for identifying a strategy to prevent deaths. *J Perinatol.* 2005; 25 Suppl 1:S35–S43
- Baumgart S. Iatrogenic hyperthermia and hypothermia in the neonate. *Clin Perinatol.* 2008; 35(1):183–197, ix–x
- Bhatt DR, White R, Martin G, et al. Transitional hypothermia in preterm newborns. *J Perinatol.* 2007; 27 Suppl 2:S45–S47
- Costeloe K, Hennessy E, Gibson AT, Marlow N, Wilkinson AR. The EPICure study: outcomes to discharge from hospital for infants born at the threshold of viability. *Pediatrics.* 2000; 106(4):659–671
- Cramer K, Wiebe N, Hartling L, Crumley E, Vohra S. Heat loss prevention: a systematic review of occlusive skin wrap for premature neonates. *J Perinatol.* 2005; 25(12):763–769
- Hofer N, Müller W, Resch B. Neonates presenting with temperature symptoms: role in the diagnosis of early onset sepsis. *Pediatr Int.* 2012; 54(4):486–490
- Jones P, Alberti C, Julé L, et al. Mortality in out-of-hospital premature births. *Acta Paediatr.* 2011; 100(2):181–187
- Knobel R, Holditch-Davis D. Thermoregulation and heat loss prevention after birth and during neonatal intensive-care unit stabilization of extremely low-birthweight infants. *J Obstet Gynecol Neonatal Nurs.* 2007; 36(3):280–287
- Knobel RB, Holditch-Davis D, Schwartz TA. Optimal body temperature in transitional extremely low birth weight infants using heart rate and temperature as indicators. *J Obstet Gynecol Neonatal Nurs.* 2010; 39(1):3–14
- Knobel RB, Holditch-Davis D, Schwartz TA, Wimmer JE, Jr. Extremely low birth weight preterm infants lack vasomotor response in relationship to cold body temperatures at birth. *J Perinatol.* 2009; 29(12):814–821

- Kumar V, Shearer JC, Kumar A, Darmstadt GL. Neonatal hypothermia in low resource settings: a review. *J Perinatol*. 2009; 29(6):401–412
- Lunze K, Hamer DH. Thermal protection of the newborn in resource-limited environments. *J Perinatol*. 2012; 32(5):317–324
- Lunze K, Bloom DE, Jamison DT, Hamer DH. The global burden of neonatal hypothermia: systematic review of a major challenge for newborn survival. *BMC Med*. 2013; 11:24
- Mance MJ. Keeping infants warm: challenges of hypothermia. *Adv Neonatal Care*. 2008; 8(1):6–12
- Merklin RJ. Growth and distribution of human fetal brown fat. *Anat Rec*. 1974; 178(3):637–645
- Mullany LC. Neonatal hypothermia in low-resource settings. *Semin Perinatol*. 2010; 34(6):426–433
- Mullany LC, Katz J, Khatry SK, LeClerq SC, Darmstadt GL, Tielsch JM. Risk of mortality associated with neonatal hypothermia in southern Nepal. *Semin Perinatol*. 2010; 34(6):426–433
- Mullany LC, Katz J, Khatry SK, Leclercq SC, Darmstadt GL, Tielsch JM. Incidence and seasonality of hypothermia among newborns in southern Nepal. *Arch Pediatr Adolesc Med*. 2010; 164(1):71–77
- Muralidhara DV, Muralidhara KD, Zubaidi A. Brown Fat and Its Thermoregulatory Role in the Human Neonate. *Journal of Physiological and Biomedical Sciences*. 2010; 23(2):5–10
- Nayeri F, Nili F. Hypothermia at Birth and its Associated Complications in Newborns: A Follow up Study. *Iran J Public Health*. 2006; 35(1):48–52
- Rossaint R, Bouillon B, Cerny V, et al. Task Force for Advanced Bleeding Care in Trauma. Management of bleeding following major trauma: an updated European guideline. *Crit Care*. 2010; 14(2):R52
- Søreide E, Smith CE. Hypothermia in trauma. In: Smith CE, ed. *Trauma Anesthesia*. Cambridge: Cambridge University Press; 2008:445–464
- Thorsen K, Ringdal KG, Strand K, Søreide E, Hagemo J, Søreide K. Clinical and cellular effects of hypothermia, acidosis and coagulopathy in major injury. *Br J Surg*. 2011; 98(7):894–907
- Vento M, Cheung P-Y, Aguar M. The first golden minutes of the extremely-low-gestational-age neonate: a gentle approach. *Neonatology*. 2009; 95(4):286–298
- Verklan MT. So, he's a little premature...what's the big deal? *Crit Care Nurs Clin North Am*. 2009; 21(2):149–161
- Waldron S, Mackinnon R. Neonatal thermoregulation. *Infant*. 2007; 3(3):101–104
- World Health Organization. Thermal protection of the newborn: A practical guide. Geneva: World Health Organization; 1997
- Zayeri F, Kazemnejad A, Ganjali M, Babaei G, Khanafshar N, Nayeri F. Hypothermia in Iranian newborns. Incidence, risk factors and related complications. *Saudi Med J*. 2005; 26(9):1367–1371

Risk for hypothermia (00253)

- American College of Surgeons Committee on Trauma. Advanced Trauma Life Support for Doctors. Students Course Manual. 7th ed. Chicago, IL: American College of Surgeons Committee on Trauma; 2004
- Annibale DJ, Bissinger RL. The golden hour. *Adv Neonatal Care*. 2010; 10(5):221–223

- Araújo BF, Zatti H, Madi JM, Coelho MB, Olmi FB, Canabarro CT. Analysis of neonatal morbidity and mortality in late preterm newborn infants. *J Pediatr (Rio J)*. 2012; 88(3):259–266
- Bang AT, Reddy HM, Bang RA, Deshmukh MD. Why do neonates die in rural Gadchiroli, India? (Part II): estimating population attributable risks and contribution of multiple morbidities for identifying a strategy to prevent deaths. *J Perinatol*. 2005; 25 Suppl 1:S35–S43
- Baumgart S. Iatrogenic hyperthermia and hypothermia in the neonate. *Clin Perinatol*. 2008; 35(1):183–197, ix–x
- Bhatt DR, White R, Martin G, et al. Transitional hypothermia in preterm newborns. *J Perinatol*. 2007; 27 Suppl 2:S45–S47
- Costeloe K, Hennessy E, Gibson AT, Marlow N, Wilkinson AR. The EPICure study: outcomes to discharge from hospital for infants born at the threshold of viability. *Pediatrics*. 2000; 106(4):659–671
- Cramer K, Wiebe N, Hartling L, Crumley E, Vohra S. Heat loss prevention: a systematic review of occlusive skin wrap for premature neonates. *J Perinatol*. 2005; 25(12):763–769
- Hofer N, Müller W, Resch B. Neonates presenting with temperature symptoms: role in the diagnosis of early onset sepsis. *Pediatr Int*. 2012; 54(4):486–490
- Jones P, Alberti C, Julé L, et al. Mortality in out-of-hospital premature births. *Acta Paediatr*. 2011; 100(2):181–187
- Knobel R, Holditch-Davis D. Thermoregulation and heat loss prevention after birth and during neonatal intensive-care unit stabilization of extremely low-birthweight infants. *J Obstet Gynecol Neonatal Nurs*. 2007; 36(3):280–287
- Knobel RB, Holditch-Davis D, Schwartz TA. Optimal body temperature in transitional extremely low birth weight infants using heart rate and temperature as indicators. *J Obstet Gynecol Neonatal Nurs*. 2010; 39(1):3–14
- Knobel RB, Holditch-Davis D, Schwartz TA, Wimmer JE, Jr. Extremely low birth weight preterm infants lack vasomotor response in relationship to cold body temperatures at birth. *J Perinatol*. 2009; 29(12):814–821
- Kumar V, Shearer JC, Kumar A, Darmstadt GL. Neonatal hypothermia in low resource settings: a review. *J Perinatol*. 2009; 29(6):401–412
- Lunze K, Hamer DH. Thermal protection of the newborn in resource-limited environments. *J Perinatol*. 2012; 32(5):317–324
- Lunze K, Bloom DE, Jamison DT, Hamer DH. The global burden of neonatal hypothermia: systematic review of a major challenge for newborn survival. *BMC Med*. 2013; 11:24
- Mance MJ. Keeping infants warm: challenges of hypothermia. *Adv Neonatal Care*. 2008; 8(1):6–12
- Merklin RJ. Growth and distribution of human fetal brown fat. *Anat Rec*. 1974; 178(3):637–645
- Mullany LC. Neonatal hypothermia in low-resource settings. *Semin Perinatol*. 2010; 34(6):426–433
- Mullany LC, Katz J, Khatry SK, LeClerq SC, Darmstadt GL, Tielsch JM. Risk of mortality associated with neonatal hypothermia in southern Nepal. *Semin Perinatol*. 2010; 34(6):426–433
- Mullany LC, Katz J, Khatry SK, Leclercq SC, Darmstadt GL, Tielsch JM. Incidence and seasonality of hypothermia among newborns in southern Nepal. *Arch Pediatr Adolesc Med*. 2010; 164(1):71–77

- Muralidhara DV, Muralidhara KD, Zubaidi A. Brown Fat and Its Thermoregulatory Role in the Human Neonate. *Journal of Physiological and Biomedical Sciences*. 2010; 23(2):5–10
- Nayeri F, Nili F. Hypothermia at Birth and its Associated Complications in Newborns: A Follow up Study. *Iran J Public Health*. 2006; 35(1):48–52
- Rossaint R, Bouillon B, Cerny V, et al. Task Force for Advanced Bleeding Care in Trauma. Management of bleeding following major trauma: an updated European guideline. *Crit Care*. 2010; 14(2):R52
- Søreide E, Smith CE. Hypothermia in trauma. In: Smith CE, ed. *Trauma Anesthesia*. Cambridge: Cambridge University Press; 2008:445–464
- Thorsen K, Ringdal KG, Strand K, Søreide E, Hagemo J, Søreide K. Clinical and cellulareffects of hypothermia, acidosis and coagulopathy in major injury. *Br J Surg*. 2011; 98(7):894–907
- Vento M, Cheung P-Y, Aguar M. The first golden minutes of the extremely-low-gestational-age neonate: a gentle approach. *Neonatology*. 2009; 95(4):286–298
- Verklan MT. So, he's a little premature...what's the big deal?. *Crit Care Nurs Clin North Am*. 2009; 21(2):149–161
- Waldren S, Mackinnon R. Neonatal thermoregulation. *Infant*. 2007; 3(3):101–104
- World Health Organization. Thermal protection of the newborn: A practical guide. Geneva: World Health Organization; 1997
- Zayeri F, Kazemnejad A, Ganjali M, Babaei G, Khanafshar N, Nayeri F. Hypothermia in Iranian newborns. Incidence, risk factors and related complications. *Saudi Med J*. 2005; 26(9):1367–1371

Neonatal hypothermia (00280)

- Abbot, R., & Laptook, M.D. (2010). The Neoneuronetwork Hypothermia Randomized Controlled Trial. *Pediatr*, 126(4):e965–6.
- Aherne, W., Hull, D. (1966). Brown adipose tissue and heat production in the newborn infant. *J Pathol Bacter*, 91, 223–234.
- Araujo BF, Zatti H, Madi JM, Coelho MB, Olmi FB, Canabarro CT. (2012). Analysis of neonatal morbidity and mortality in late-preterm newborn infants. *J Pediatr (Rio J)*. 2012 May;88(3):259–66. doi: <http://dx.doi.org/10.2223/JPED.2196>.
- Asakura, H. (2004). Fetal and neonatal thermoregulation. *Journal of Nippon Medical School, Nihon Ika Daigaku Zasshi*, 71(6), 360–370.
- Bang AT, Reddy HM, Baitule SB, Deshmukh MD, Bang RA. (2005). The incidence of morbidities in a cohort of neonates in rural Gadchiroli, India: seasonal and temporal variation and a hypothesis about prevention. *J Perinatol*. 2005 Mar;25 Suppl 1:S18–28.
- Bang AT, Reddy HM, Bang RA, Deshmukh MD. (2005). Why do neonates die in rural Gadchiroli, India? (Part II): estimating population attributable risks and contribution of multiple morbidities for identifying a strategy to prevent deaths. *J Perinatol*. 2005 Mar;25 Suppl 1:S35–43.
- Bang, A.T., Bang, H.M., & Reddy, H.M. (2005). Home-based neonatal care: summary and applications of the field trial in rural Gadchiroli, India (1993 to 2003). *Journal of Perinatology*, 25, S108–S122.
- Bang, A.T., Reddy, H.M., Deshmukh, M.D., Baitule, S.B., Bang, R.A. (2005). Neonatal and infant mortality in the ten years (1993 to 2003) of the Gadchiroli field trial: effect of home-based neonatal care. *J Perinatol*, 25(Suppl 1), S92–S107. doi:10.1038/sj.jp.7211277

- Bartels, D.B., Kreienbrock, L., Dammann, O., Wenzlaff, P. & Poets, C.F. (2005). Population based study on the outcome of small for gestational age newborns. *Arch Dis Child Fetal Neonatal* Ed, 90, F53–59. doi:10.1136/adc.2004.053892
- Bauer J, Hentschel R, Zahradnik H, Karck U, Linderkamp O. (2003). Vaginal delivery and neonatal outcome in extremely-low-birth-weight infants below 26 weeks of gestational age. *Am J Perinatol*. 2003 May;20(4):181–8.
- Baumgart, S. (2008). Iatrogenic hyperthermia and hypothermia in the neonate. *Clin Perinatol* 35, 183–197.
- Bergstrom A, Byaruhanga R, Okong P. (2005). The impact of newborn bathing on the prevalence of neonatal hypothermia in Uganda: a randomized, controlled trial. *Clin Perinatol*. 2008 Mar;35(1):183–97, ix-x. doi:10.1016/j.clp.2007.11.002. Review.
- Bhatt, D.R., White, R., Martin, G., Marter, L.J., Finer, N., Goldsmith, J.P., Ramos, C., Kukreja, S. & Ramanathan, R. (2007). Transitional hypothermia in preterm newborn. *J Perinatol*, 27, 545–7.
- Blackburn, S.T. (2007). *Maternal, Fetal, and Neonatal Physiology: A Clinical Perspective*. 3rd ed. St Louis, MO: Saunders.
- Buisson, P., Bach, V., Elabbassi, E.B., et al. (2004). Assessment of the efficiency of warming devices during neonatal surgery. *Eur J Appl Physiol*, 92, 694–697.
- Byaruhanga, R., Bergstrom, A. & Okong, P. (2005). Neonatal Hypothermia in Uganda: Prevalence and Risk Factors. *Journal of Tropical Pediatrics*, 51(4), 212–215.
- Chadd, M.A., & Gray, O.P. (1972). Hypothermia and coagulation defects in the newborn. *Arch Dis Child*, 47, 819–821.
- Chatson, K., Fant, M. & Cloherty, J.P. (2000). *Controle da temperatura*. Em: Cloherty, J.P. & Stark, A.R., *Manual de neonatologia* (4th Ed.). Rio de Janeiro: MEDSI Editora Médica e Científica Ltda. (pp. 149–153).
- Costeloe, K., Hennessy, E., Gibson, A.T., Marlow, N., Wilkinson, A.R. (2000). The EPI-Cure study: outcomes to discharge from hospital for infants born at the threshold of viability. *Pediatrics*, 106, 659–671.
- Doyle, L.W. & Sinclair, J.C. (1982). Insensible water loss in newborn infants. *Clin Perinatol*, 9, 453–478.
- Elliott, R.I., Mann, T.P. (1957). Neonatal cold injury due to accidental exposure to cold. *Lancet*, 272, 229–234.
- Engorn BM, Kahntroff SL, Frank KM, Singh S, Harvey HA, Barkulis CT, Barnett AM, Olambiwonnu OO, Heitmiller ES, Greenberg RS. Perioperative hypothermia in neonatal intensive care unit patients: effectiveness of a thermoregulation intervention and associated risk factors. *Paediatr Anaesth*. 2017 Feb;27(2):196–204. doi:10.1111/pan.13047. Epub 2016 Dec 5. PMID: 27917566.
- Gandy, G.M., Adamsons, K., Cunningham, N. (1964). Thermal environment and acid-base homeostasis in human infants during the first few hours of life. *J Clin Invest*, 43, 751–758.
- Guyton, A. & Hall, J. (2006). *Textbook of medical physiology* (11th ed.). Philadelphia: W.B. Saunders.
- Hammarlund, K., Nilsson, G.E., Oberg, P.A., et al. (1980). Transepidermal water loss in newborn infants. V. Evaporation from the skin and heat exchange during the first hours of life. *Acta Paediatr Scand*, 69, 385–392.
- Hammarlund, K., Sedin, G. (1979). Transepidermal water loss in newborn infants. III. Relation to gestational age. *Acta Paediatr Scand*, 68, 795–801.

- Hammarlund, K., Sedin, G. (1982). Transepidermal water loss in newborn infants. VI. Heat exchange with the environment in relation to gestational age. *Acta Paediatr Scand* 1982; 71: 191–196.
- Hammarlund, K., Sedin, G., Strömberg, B. (1983). Transepidermal water loss in newborn infants. VIII. Relation to gestational age and post-natal age in appropriate and small for gestational age infants. *Acta Paediatr Scand*, 72: 721–728.
- Harned, H.S., Herrington, R.T., Ferreiro, J.I. (1970). The effects of immersion and temperature on respiration in newborn lambs. *Pediatrics*, 45, 598–605.
- Harris D.L., Weston P.J., Battin M.R., Harding J.E. (2009). A survey of the management of neonatal hypoglycaemia within the Australian and New Zealand Neonatal Network. *J Paediatr Child Health*, 26, 1–8.
- Herdman, T.H. (2013). A review of neonatal literature to identify critical attributes for hypothermia nursing diagnoses. *Revista da Rede de Enfermagem no Nordeste*, 14(6), 1249–1258.
- Herdman, T.H. (ed.) *NANDA International nursing diagnoses: definitions and classification*, 2012–2014. Oxford: Wiley-Blackwell.
- Hoehn, T., Hansmann, G., Buhrer, C., Simbruner, G., Gunn, A.J., Yager, J., Levene, M., Hamrick, S.E., Shankaran, S., Thoresen, M. (2008). Therapeutic hypothermia in neonates. Review of current clinical data, ILCOR recommendations and suggestions for implementation in neonatal intensive care units. *Resusc*, 78(1), 7–12.
- Hofer N, Miller W, Resch B. (2012). Neonates presenting with temperature symptoms: role in the diagnosis of early onset sepsis. *Pediatr Int*. 2012 Aug;54(4):486–90. doi:10.1111/j.1442–200X.2012.03570.x. Epub 2012 Apr 9.
- Jones P, Alberti C, Julé L, Chabernaude J-L, Lodé N, Sieurin A, Dauger S. (2011). Mortality in out-of-hospital premature births. *Acta Paediatr*. 2011 Feb;100(2):181–7. doi: 10.1111/j.1651–2227.2010.
- Kambarami, R., & Chidede, O. (2003). Neonatal hypothermia levels and risk factors for mortality in a tropical country. *The Central African journal of medicine*, 49(9–10), 103.
- Knobel RB, Holditch-Davis D, Schwartz TA (2010). Optimal body temperature in transitional extremely low birth weight infants using heart rate and temperature as indicators. *J Obstet Gynecol Neonatal Nurs*. 2010 Jan-Feb;39(1):3–14. doi:10.1111/j.15
- Knobel RB, Holditch-Davis D, Schwartz TA, Wimmer JE Jr. (2009). Extremely low birth weight preterm infants lack vasomotor response in relationship to cold body temperatures at birth. *J Perinatol*. 2009 Dec;29(12):814–21. doi:10.1038/jp.2009.99. Epub 2009 Ju
- Knobel, R, & Holditch-Davis, D (2010). Thermoregulation and heat loss prevention after birth and during neonatal intensive-care unit stabilization of extremely low-birthweight infants. *Advances in Neonatal Care*, 10(s), S7–S14. doi:10.1097/AN-C.0b013e3181ef7de2
- Korones, S.B. (2004). An encapsulated history of thermoregulation in the neonate. *NeoReviews*, 5(3), 78–85.
- Kumar V, Shearer JC, Kumar A, Darmstadt GL. (2009). Neonatal hypothermia in low resource settings: a review. *J Perinatol*. 2009 Jun;29(6):401–12. doi:10.1038/jp.2008.233. Epub 2009 Jan 22. Review.
- Laptook, A. & Jackson, G.L. (2006). Cold stress and hypoglycemia in the late preterm ('near-term') infant: impact on nursery admission. *Semin Perinatol*, 30, 24–27.
- Laptook, A., Salhab, W., & Bhaskar, B. (2007). Admission temperature of low birth weight infants: predictors and associated morbidities. *Pediatrics*, 119:e643–e649.

- Laptook, A.R., & Watkinson, M. (2008). Temperature management in the delivery room. *Seminars in fetal & neonatal medicine*, 13, 383–391.
- Lazić Z, Takač I (2011). Outcomes and risk factors for unplanned delivery at home and before arrival to the hospital. *Wien Klin Wochenschr*. 2011 Jan;123(1–2):11–4. doi:10.1007/s00508–010–1505-z. Epub 2010 Dec 20. Erratum in: *Wien Klin Wochenschr*. 2011 Feb;123(3–4):132.
- Lunze K, Bloom DE, Jamison DT & Hamer DH (2013). The global burden of neonatal hypothermia: systematic review of a major challenge for newborn survival. *BMC Medicine* 2013,11:24 <http://www.biomedcentral.com/1741-7015/11/24>
- McCall, E.M., Alderdice, F., Halliday, H.L., et al. (2010). Interventions to prevent hypothermia at birth in preterm and/or low birthweight infants. *Cochrane Database Syst Rev*. Art. No.: CD004210.
- Merklin, R.J. (1974) Growth and distribution of human fetal brown fat. *The Anatomical Record*, 178(3), 637–645.
- Miller, S., Lee, H., & Gould, J. (2011). Hypothermia in very low birth weight infants: distribution, risk factors and outcomes. *J Perinatol*, 31:S49–S56.
- Mullany LC, Katz J, Khatry SK, LeClerq SC, Darmstadt GL, Tielsch JM. (2010). Risk of mortality associated with neonatal hypothermia in southern Nepal. *Semin Perinatol*, 34(6):426–33. doi: 10.1053/j.semperi.2010.09.007.
- Mullany LC, Katz J, Khatry SK, Leclerq SC, Darmstadt GL, Tielsch JM. (2010a). Incidence and seasonality of hypothermia among newborns in southern Nepal. *Arch Pediatr Adolesc Med*. 2010 Jan;164(1):71–7. doi:10.1001/archpediatrics.2009.239.
- Mullany LC, Katz J, Khatry SK, LeClerq SC, Darmstadt GL, Tielsch JM. (2010b). Neonatal hypothermia and associated risk factors among newborns of southern Nepal. *BMC Med*. 2010 Jul 8;8:43. doi: 10.1186/1741-7015-8-43.
- Muralidhara, DV, Muralidhara KD, & Zubaidi A (2010). Brown fat and its thermoregulatory role in the human neonate. *JPBS*, 23(2), 5–10.
- Nayeri, F & Nili, F (2006). Hypothermia at Birth and its Associated Complications in Newborns: a Follow up Study. *Iranian J Publ Health*, 2006, 35(1), 48–52
- Ogunlesi TA, Ogunfowora OB, Adekanmbi FA, Fetuga BM, Olanrewaju DM. (2008). Point-of-admission hypothermia among high-risk Nigerian newborns. *BMC Pediatr*. 2008 Oct 6;8:40. doi: 10.1186/1471-2431-8-40.
- Ogunlesi, T.A., Ogunfowora, O.B., Ogundeyi, M.M. (2009). Prevalence and risk factors for hypothermia on admission in Nigerian babies < 72 h of age. *J Perinat Med*, 37(2), 180–4. doi: 10.1515/JPM.2009.014.
- Oliver, T.K. (1965). Temperature regulation and heat production in the newborn. *Pediatr Clin N Amer*, 12: 765–779.
- Onalo R. (2013). Neonatal hypothermia in sub-Saharan Africa: A review. *Niger J Clin Pract* [serial online] 2013 [cited 2013 Apr 13];16:129–38. Available from: <http://www.njcponline.com/text.asp?2013/16/2/129/110120>
- Pomerance, J.J., & Madore, C. (1974). Effect of temperature on survival of infants with RDS. *Pediatr Res*, 8, 449–454.
- Resar RK, Rozich JD, Simmonds T, Haraden CR. (2006). A trigger tool to identify adverse events in the intensive care unit. *Jt Comm J Qual Patient Saf*, 32(10), 585–90.
- Richardson, D., Shah, B., Frantz, I., Bednarek, F., Rubin, L., & McCormick, M. (1999). Perinatal risk and severity of illness in newborns at 6 neonatal intensive care units. *American Journal Of Public Health*, 89(4), 511–516. doi:10.2105/AJPH.89.4.511

- Sauer, P.J., Dane, H.J., Visser, H.K. (1984). New standards for neutral thermal environment of healthy very low birthweight infants in week one of life. *Arch Dis Child*, 59 (1), 18–22.
- Sedin, G. (2004). Physics and physiology of human neonatal incubation. In: Polin, R. A., Fox, W.W., Abman, S.H., (eds.) *Fetal and Neonatal Physiology*. Philadelphia, PA: Saunders, 570–581.
- Sharek, P.J., Horbar, J.D., Mason, W., Bisarya, H., Thurm, C.W., Suresh, G., Gray, J.E., Edwards, W.H., Goldmann, D., Classen, D. (2006). Adverse events in the neonatal intensive care unit: development, testing, and findings of an NICU-focused trigger tool to identify harm in North American NICUs. *Pediatrics*, 118(4), 1332–40.
- Silverman, W.A., Fertig, J.W., Berger, A.P. (1958). The influence of the thermal environment upon the survival of newly born premature infants. *Pediatrics*, 22, 876–86.
- Stern, L., Lees, M.H., Leduc, J. (1965). Environmental temperature, oxygen consumption and catecholamine excretion in newborn infants. *Pediatrics*, 36, 367.
- Topper, W.H., Stewart, T.P. (1984). Thermal support for the very-low-birth-weight infant: role of supplemental conductive heat. *J Pediatr*, 105, 810–4.
- Tourneux, P., Libert, J. P., Ghyselen, L., Leke, A., Delanaud, S., Degrugilliers, L., et al. (2009). Heat exchanges and thermoregulation in the neonate. *Archives De Pediatrie: Organe Officiel De La Societe Francaise De Pediatrie*, 16(7), 1057–1062.
- Trivedi, S.S., Chudasama, R.K., Srivastava, A. (2009). Study of Early Predictors of Fatality in Mechanically Ventilated Neonates in NICU. *Online Journal of Health & Allied Sciences*, 8(3), 9. Open Access Archives: <http://cogprints.org/view/subjects/OJHAS.html> and <http://openmed.nic.in/view/subjects/ojhas.html>
- Vento, M., Cheung, P-Y, & Aguar, M. (2009). The first golden minutes of the extremely-low-gestational-age neonate: a gentle approach. *Neonatology*, 95, 286–298. doi: 10.1159/000178770
- Ventura, C.M.U., Alves, J.G.B., & Meneses, J.A. (2012). [Adverse events in a Neonatal Intensive Care Unit]. *Revista Brasileira de Enfermagem*, 65(1), 49–55. (Portuguese).
- Watkinson, M. (2006). Temperature control of premature infants in the delivery room. *Clin Perinatol*, 33, 43–53.
- World Health Organization (1993). *Thermal control of the newborn: a practical guide. Maternal health and safe motherhood programme. (WHO/FHE/MSM/93.2)*. Geneva (Switzerland): World Health Organization.
- World Health Organization (1997). *Thermal protection of the newborn: a practical guide, Maternal and Newborn Health / Safe Motherhood Unit, Reproductive Health (Technical Support)*. Geneva (Switzerland): World Health Organization.
- Zayeri F, Kazemnejad A, Ganjali M, Babaei G, Khanafshar N, Nayeri F. (2005). Hypothermia in Iranian newborns. Incidence, risk factors and related complications. *Saudi Med J*. 2005 Sep;26(9):1367–7
- Zayeri F, Kazemnejad A, Ganjali M, Babaei G, Nayeri F. (2007). Incidence and risk factors of neonatal hypothermia at referral hospitals in Tehran, Islamic Republic of Iran. *East Mediterr Health J*. 2007 Nov-Dec;13(6):1308–18.

Risk for neonatal hypothermia (00282)

- Abbot, R., & Laptook, M.D. (2010). The Neoneuronetwork Hypothermia Randomized Controlled Trial. *Pediatr*, 126(4):e965–6.
- Aherne, W., Hull, D. (1966). Brown adipose tissue and heat production in the newborn infant. *J Pathol Bacter*, 91, 223–234.

- Araujo BF, Zatti H, Madi JM, Coelho MB, Olmi FB, Canabarro CT. (2012). Analysis of neonatal morbidity and mortality in late-preterm newborn infants. *J Pediatr (Rio J)*. 2012 May;88(3):259–66. doi: <http://dx.doi.org/10.2223/JPED.2196>.
- Asakura, H. (2004). Fetal and neonatal thermoregulation. *Journal of Nippon Medical School, Nihon Ika Daigaku Zasshi*, 71(6), 360–370.
- Bang AT, Reddy HM, Baitule SB, Deshmukh MD, Bang RA. (2005). The incidence of morbidities in a cohort of neonates in rural Gadchiroli, India: seasonal and temporal variation and a hypothesis about prevention. *J Perinatol*. 2005 Mar;25 Suppl 1:S18–28.
- Bang AT, Reddy HM, Bang RA, Deshmukh MD. (2005). Why do neonates die in rural Gadchiroli, India? (Part II): estimating population attributable risks and contribution of multiple morbidities for identifying a strategy to prevent deaths. *J Perinatol*. 2005 Mar;25 Suppl 1:S35–43.
- Bang, A.T., Reddy, H.M., & Reddy, H.M. (2005). Home-based neonatal care: summary and applications of the field trial in rural Gadchiroli, India (1993 to 2003). *Journal of Perinatology*, 25, S108–S122.
- Bang, A.T., Reddy, H.M., Deshmukh, M.D., Baitule, S.B., Bang, R.A. (2005). Neonatal and infant mortality in the ten years (1993 to 2003) of the Gadchiroli field trial: effect of home-based neonatal care. *J Perinatol*, 25(Suppl 1), S92–S107. doi:10.1038/sj.jp.7211277
- Bartels, D.B., Kreienbrock, L., Dammann, O., Wenzlaff, P. & Poets, C.F. (2005). Population based study on the outcome of small for gestational age newborns. *Arch Dis Child Fetal Neonatal Ed*, 90, F53–59. doi:10.1136/adc.2004.053892
- Bauer J, Hentschel R, Zahradnik H, Karck U, Linderkamp O. (2003). Vaginal delivery and neonatal outcome in extremely-low-birth-weight infants below 26 weeks of gestational age. *Am J Perinatol*. 2003 May;20(4):181–8.
- Baumgart, S. (2008). Iatrogenic hyperthermia and hypothermia in the neonate. *Clin Perinatol* 35, 183–197.
- Bergstrom A, Byaruhanga R, Okong P. (2005). The impact of newborn bathing on the prevalence of neonatal hypothermia in Uganda: a randomized, controlled trial. *Clin Perinatol*. 2008 Mar;35(1):183–97, ix-x. doi:10.1016/j.clp.2007.11.002. Review.
- Bhatt, D.R., White, R., Martin, G., Marter, L.J., Finer, N., Goldsmith, J.P., Ramos, C., Kukreja, S. & Ramanathan, R. (2007). Transitional hypothermia in preterm newborn. *J Perinatol*, 27, 545–7.
- Blackburn, S.T. (2007). *Maternal, Fetal, and Neonatal Physiology: A Clinical Perspective*. 3rd ed. St Louis, MO: Saunders.
- Buisson, P., Bach, V., Elabbassi, E.B., et al. (2004). Assessment of the efficiency of warming devices during neonatal surgery. *Eur J Appl Physiol*, 92, 694–697.
- Byaruhanga, R., Bergstrom, A. & Okong, P. (2005). Neonatal Hypothermia in Uganda: Prevalence and Risk Factors. *Journal of Tropical Pediatrics*, 51(4), 212–215.
- Chadd, M.A., & Gray, O.P. (1972). Hypothermia and coagulation defects in the newborn. *Arch Dis Child*, 47, 819–821.
- Chatson, K., Fant, M. & Cloherty, J.P. (2000). Controle da temperatura. Em: Cloherty, J.P. & Stark, A.R., *Manual de neonatologia* (4th Ed.). Rio de Janeiro: MEDSI Editora Médica e Científica Ltda. (pp. 149–153).
- Costeloe, K., Hennessy, E., Gibson, A.T., Marlow, N., Wilkinson, A.R. (2000). The EPI-Cure study: outcomes to discharge from hospital for infants born at the threshold of viability. *Pediatrics*, 106, 659–671.

- Doyle, L.W. & Sinclair, J.C. (1982). Insensible water loss in newborn infants. *Clin Perinatol*, 9, 453–478.
- Elliott, R.I., Mann, T.P. (1957). Neonatal cold injury due to accidental exposure to cold. *Lancet*, 272, 229–234.
- Engorn BM, Kahntroff SL, Frank KM, Singh S, Harvey HA, Barkulis CT, Barnett AM, Olambiwonnu OO, Heitmiller ES, Greenberg RS. Perioperative hypothermia in neonatal intensive care unit patients: effectiveness of a thermoregulation intervention and associated risk factors. *Paediatr Anaesth*. 2017 Feb;27(2):196–204. doi:10.1111/pan.13047. Epub 2016 Dec 5. PMID: 27917566.
- Gandy, G.M., Adamsons, K., Cunningham, N. (1964). Thermal environment and acid-base homeostasis in human infants during the first few hours of life. *J Clin Invest*, 43, 751–758.
- Guyton, A. & Hall, J. (2006). *Textbook of medical physiology* (11th ed.). Philadelphia: W.B. Saunders.
- Hammarlund, K., Nilsson, G.E., Oberg, P.A., et al. (1980). Transepidermal water loss in newborn infants. V. Evaporation from the skin and heat exchange during the first hours of life. *Acta Paediatr Scand*, 69, 385–392.
- Hammarlund, K., Sedin, G. (1979). Transepidermal water loss in newborn infants. III. Relation to gestational age. *Acta Paediatr Scand*, 68, 795–801.
- Hammarlund, K., Sedin, G. (1982). Transepidermal water loss in newborn infants. VI. Heat exchange with the environment in relation to gestational age. *Acta Paediatr Scand* 1982; 71: 191–196.
- Hammarlund, K., Sedin, G., Strömberg, B. (1983). Transepidermal water loss in newborn infants. VIII. Relation to gestational age and post-natal age in appropriate and small for gestational age infants. *Acta Paediatr Scand*, 72: 721–728.
- Harned, H.S., Herrington, R.T., Ferreiro, J.I. (1970). The effects of immersion and temperature on respiration in newborn lambs. *Pediatrics*, 45, 598–605.
- Harris D.L., Weston P.J., Battin M.R., Harding J.E. (2009). A survey of the management of neonatal hypoglycaemia within the Australian and New Zealand Neonatal Network. *J Paediatr Child Health*, 26, 1–8.
- Herdman, T.H. (2013). A review of neonatal literature to identify critical attributes for hypothermia nursing diagnoses. *Revista da Rede de Enfermagem no Nordeste*, 14(6), 1249–1258.
- Hoehn, T., Hansmann, G., Buhrer, C., Simbruner, G., Gunn, A.J., Yager, J., Levene, M., Hamrick, S.E., Shankaran, S., Thoresen, M. (2008). Therapeutic hypothermia in neonates. Review of current clinical data, ILCOR recommendations and suggestions for implementation in neonatal intensive care units. *Resusc*, 78(1), 7–12.
- Hofer N, Miller W, Resch B. (2012). Neonates presenting with temperature symptoms: role in the diagnosis of early onset sepsis. *Pediatr Int*. 2012 Aug;54(4):486–90. doi:10.1111/j.1442–200X.2012.03570.x. Epub 2012 Apr 9.
- Jones P, Alberti C, Julé L, Chabernaude J-L, Lodé N, Sieurin A, Dauger S. (2011). Mortality in out-of-hospital premature births. *Acta Paediatr*. 2011 Feb;100(2):181–7. doi: 10.1111/j.1651–2227.2010.
- Kambarami, R., & Chidede, O. (2003). Neonatal hypothermia levels and risk factors for mortality in a tropical country. *The Central African journal of medicine*, 49(9–10), 103.
- Knobel RB, Holditch-Davis D, Schwartz TA (2010). Optimal body temperature in transitional extremely low birth weight infants using heart rate and temperature as indicators. *J Obstet Gynecol Neonatal Nurs*. 2010 Jan-Feb;39(1):3–14. doi:10.1111/j.15

- Knobel RB, Holditch-Davis D, Schwartz TA, Wimmer JE Jr. (2009). Extremely low birth weight preterm infants lack vasomotor response in relationship to cold body temperatures at birth. *J Perinatol.* 2009 Dec;29(12):814–21. doi:10.1038/jp.2009.99. Epub 2009 Ju
- Knobel, R, & Holditch-Davis, D (2010). Thermoregulation and heat loss prevention after birth and during neonatal intensive-care unit stabilization of extremely low-birthweight infants. *Advances in Neonatal Care*, 10(s), S7-S14. doi:10.1097/AN-C.0b013e3181ef7de2
- Korones, S.B. (2004). An encapsulated history of thermoregulation in the neonate. *NeoReviews*, 5(3), 78–85.
- Kumar V, Shearer JC, Kumar A, Darmstadt GL. (2009). Neonatal hypothermia in low resource settings: a review. *J Perinatol.* 2009 Jun;29(6):401–12. doi:10.1038/jp.2008.233. Epub 2009 Jan 22. Review.
- Laptook, A. & Jackson, G.L. (2006). Cold stress and hypoglycemia in the late preterm ('near-term') infant: impact on nursery admission. *Semin Perinatol*, 30, 24–27.
- Laptook, A., Salhab, W., & Bhaskar, B. (2007). Admission temperature of low birth weight infants: predictors and associated morbidities. *Pediatrics*, 119:e643-e649.
- Laptook, A.R., & Watkinson, M. (2008). Temperature management in the delivery room. *Seminars in fetal & neonatal medicine*, 13, 383–391.
- Lazić Z, Takač I (2011). Outcomes and risk factors for unplanned delivery at home and before arrival to the hospital. *Wien Klin Wochenschr.* 2011 Jan;123(1–2):11–4. doi:10.1007/s00508–010–1505-z. Epub 2010 Dec 20. Erratum in: *Wien Klin Wochenschr.* 2011 Feb;123(3–4):132.
- Lunze K, Bloom DE, Jamison DT & Hamer DH (2013). The global burden of neonatal hypothermia: systematic review of a major challenge for newborn survival. *BMC Medicine* 2013,11:24 <http://www.biomedcentral.com/1741-7015/11/24>
- McCall, E.M., Alderdice, F., Halliday, H.L., et al. (2010). Interventions to prevent hypothermia at birth in preterm and/or low birthweight infants. *Cochrane Database Syst Rev.* Art. No.: CD004210.
- Merklin, R.J. (1974) Growth and distribution of human fetal brown fat. *The Anatomical Record*, 178(3), 637–645.
- Miller, S., Lee, H., & Gould, J. (2011). Hypothermia in very low birth weight infants: distribution, risk factors and outcomes. *J Perinatol*, 31:S49-S56.
- Mullany LC, Katz J, Khatry SK, LeClerq SC, Darmstadt GL, Tielsch JM. (2010). Risk of mortality associated with neonatal hypothermia in southern Nepal. *Semin Perinatol*, 34(6):426–33. doi: 10.1053/j.semperi.2010.09.007.
- Mullany LC, Katz J, Khatry SK, Leclerq SC, Darmstadt GL, Tielsch JM. (2010a). Incidence and seasonality of hypothermia among newborns in southern Nepal. *Arch Pediatr Adolesc Med.* 2010 Jan;164(1):71–7. doi:10.1001/archpediatrics.2009.239.
- Mullany LC, Katz J, Khatry SK, LeClerq SC, Darmstadt GL, Tielsch JM. (2010b). Neonatal hypothermia and associated risk factors among newborns of southern Nepal. *BMC Med.* 2010 Jul 8;8:43. doi: 10.1186/1741-7015-8-43.
- Muralidhara, DV, Muralidhara KD, & Zubaidi A (2010). Brown fat and its thermoregulatory role in the human neonate. *JPBS*, 23(2), 5–10.
- Nayeri, F & Nili, F (2006). Hypothermia at Birth and its Associated Complications in Newborns: a Follow up Study. *Iranian J Publ Health*, 2006, 35(1), 48–52
- Ogunlesi TA, Ogunfowora OB, Adekanmbi FA, Fetuga BM, Olanrewaju DM. (2008). Point-of-admission hypothermia among high-risk Nigerian newborns. *BMC Pediatr.* 2008 Oct 6;8:40. doi: 10.1186/1471-2431-8-40.

- Ogunlesi, T.A., Ogunfowora, O.B., Ogundeyi, M.M. (2009). Prevalence and risk factors for hypothermia on admission in Nigerian babies < 72 h of age. *J Perinat Med*, 37(2), 180–4. doi: 10.1515/JPM.2009.014.
- Oliver, T.K. (1965). Temperature regulation and heat production in the newborn. *Pediatr Clin N Amer*, 12: 765–779.
- Onalo R. (2013). Neonatal hypothermia in sub-Saharan Africa: A review. *Niger J Clin Pract* [serial online] 2013 [cited 2013 Apr 13];16:129–38. Available from: <http://www.njconline.com/text.asp?2013/16/2/129/110120>
- Pomerance, J.J., & Madore, C. (1974). Effect of temperature on survival of infants with RDS. *Pediatr Res*, 8, 449–454.
- Resar RK, Rozich JD, Simmonds T, Haraden CR. (2006). A trigger tool to identify adverse events in the intensive care unit. *Jt Comm J Qual Patient Saf*, 32(10), 585–90.
- Richardson, D., Shah, B., Frantz, I., Bednarek, F., Rubin, L., & McCormick, M. (1999). Perinatal risk and severity of illness in newborns at 6 neonatal intensive care units. *American Journal Of Public Health*, 89(4), 511–516. doi:10.2105/AJPH.89.4.511
- Sauer, P.J., Dane, H.J., Visser, H.K. (1984). New standards for neutral thermal environment of healthy very low birthweight infants in week one of life. *Arch Dis Child*, 59 (1), 18–22.
- Sedin, G. (2004). Physics and physiology of human neonatal incubation. In: Polin, R. A., Fox, W.W., Abman, S.H., (eds.) *Fetal and Neonatal Physiology*. Philadelphia, PA: Saunders, 570–581.
- Sharek, P.J., Horbar, J.D., Mason, W., Bisarya, H., Thurm, C.W., Suresh, G., Gray, J.E., Edwards, W.H., Goldmann, D., Classen, D. (2006). Adverse events in the neonatal intensive care unit: development, testing, and findings of an NICU-focused trigger tool to identify harm in North American NICUs. *Pediatrics*, 118(4), 1332–40.
- Silverman, W.A., Fertig, J.W., Berger, A.P. (1958). The influence of the thermal environment upon the survival of newly born premature infants. *Pediatrics*, 22, 876–86.
- Stern, L., Lees, M.H., Leduc, J. (1965). Environmental temperature, oxygen consumption and catecholamine excretion in newborn infants. *Pediatrics*, 36, 367.
- Topper, W.H., Stewart, T.P. (1984). Thermal support for the very-low-birth-weight infant: role of supplemental conductive heat. *J Pediatr*, 105, 810–4.
- Tourneux, P., Libert, J. P., Ghyselen, L., Leke, A., Delanaud, S., Degrugilliers, L., et al. (2009). Heat exchanges and thermoregulation in the neonate. *Archives De Pediatrie: Organe Officiel De La Societe Francaise De Pediatrie*, 16(7), 1057–1062.
- Trivedi, S.S., Chudasama, R.K., Srivastava, A. (2009). Study of Early Predictors of Fatality in Mechanically Ventilated Neonates in NICU. *Online Journal of Health & Allied Sciences*, 8(3), 9. Open Access Archives: <http://cogprints.org/view/subjects/OJHAS.html> and <http://openmed.nic.in/view/subjects/ojhas.html>
- Vento, M. Cheung, P-Y, & Aguar, M. (2009). The first golden minutes of the extremely-low-gestational-age neonate: a gentle approach. *Neonatology*, 95, 286–298. doi: 10.1159/000178770
- Ventura, C.M.U., Alves, J.G.B., & Meneses, J.A. (2012). [Adverse events in a Neonatal Intensive Care Unit]. *Revista Brasileira de Enfermagem*, 65(1), 49–55. (Portuguese).
- Watkinson, M. (2006). Temperature control of premature infants in the delivery room. *Clin Perinatol*, 33, 43–53.
- World Health Organization (1993). Thermal control of the newborn: a practical guide. Maternal health and safe motherhood programme. (WHO/FHE/MSM/93.2). Geneva (Switzerland): World Health Organization.

- World Health Organization (1997). Thermal protection of the newborn: a practical guide, Maternal and Newborn Health / Safe Motherhood Unit, Reproductive Health (Technical Support). Geneva (Switzerland): World Health Organization.
- Zayeri F, Kazemnejad A, Ganjali M, Babaei G, Khanafshar N, Nayeri F. (2005). Hypothermia in Iranian newborns. Incidence, risk factors and related complications. *Saudi Med J*. 2005 Sep;26(9):1367–7
- Zayeri F, Kazemnejad A, Ganjali M, Babaei G, Nayeri F. (2007). Incidence and risk factors of neonatal hypothermia at referral hospitals in Tehran, Islamic Republic of Iran. *East Mediterr Health J*. 2007 Nov-Dec;13(6):1308–18.

Risk for perioperative hypothermia (00254)

- Akers, J. L., Dupnick, A. C., Hillman, E. L., Bauer, A. G., Kinker, L. M., & Hagedorn Wonder, A. (2019). Inadvertent Perioperative Hypothermia Risks and Postoperative Complications: A Retrospective Study. *AORN Journal*, 109(6), 741–747. doi:10.1002/aorn.12696
- Aksu, C., Kus, A., Gurkan, Y., Solak, M., & Toker, K. (2014). Survey on Postoperative Hypothermia Incidence In Operating Theatres of Kocaeli University. *Turkish Journal of Anesthesia and Reanimation*, 42(2), 66–70. doi:10.5152/TJAR.2014.15010
- Belayneh, T., Gebeyehu, A., & Abdissa, Z. (2014). Post-operative Hypothermia in Surgical Patients at University of Gondar Hospital, Ethiopia. *Journal of Anesthesia & Clinical Research*, 05(10). doi:10.4172/2155–6148.1000461
- Billeter, A. T., Hohmann, S. F., Druen, D., Cannon, R., & Polk, H. C. (2014). Unintentional perioperative hypothermia is associated with severe complications and high mortality in elective operations. *Surgery*, 156(5), 1245–1252. doi:10.1016/j.surg.2014.04.024
- Burlingame, B. L. (2020). Hypothermia. Guideline for prevention of hypothermia. In A. Wood & AORN (Eds.), *Guidelines for perioperative practice* (pp. 327–356). AORN, Inc.
- Calvo Vecino, J. M., Casans Francés, R., Ripollés Melchor, J., Marín Zaldivar, C., Gómez Ríos, M., Pérez Ferrer, A., Zaballos Bustingorri, J. M., & Abad Gurumeta, A. (2018). Clinical practice guideline. Unintentional perioperative hypothermia. *Revista Española de Anestesiología y Reanimación (English Edition)*, 65(10), 564–588. doi:10.1016/j.redare.2018.07.004
- Card, R., Sawyer, M., Degnan, B., Harder, K., Kemper, J., Marshall, M., Matteson, M., Roemer, R., Schuller-Bebus, G., Swanson, C., Stultz, J., Sypura, W., Terrell, C., & Varela, N. (2014). Institute for Clinical Systems Improvement. Perioperative Protocol.
- Chalari, E., Intas, G., Zyga, S., Fildissis, G., Tolia, M., Tsoukalas, N., Yfantis, A., Kyrgias, G., & Panoutsopoulos, G. (2019). Preoperative factors affecting the intraoperative core body temperature in elective hysterectomy under general anesthesia. *Clinical and Experimental Obstetrics & Gynecology*, 46(4), 560–564. doi:10.12891/ceog4616.2019
- Chalari, Eleftheria, Intas, G., Zyga, S., Fildissis, G., Tolia, M., Toutziaris, C., Tsoukalas, N., Kyrgias, G., & Panoutsopoulos, G. (2019). Perioperative inadvertent hypothermia among urology patients who underwent transurethral resection with either TURis or transurethral resection of the prostate method. *Urologia Journal*, 86(2), 69–73. doi:10.1177/0391560318758937

- Collins, S., Budds, M., Raines, C., & Hooper, V. (2019). Risk Factors for Perioperative Hypothermia: A Literature Review. *Journal of PeriAnesthesia Nursing*, 34(2), 338–346. doi:10.1016/j.jopan.2018.06.003
- Conway, A., Kennedy, W., & Sutherland, J. (2015). Inadvertent Hypothermia After Procedural Sedation and Analgesia in a Cardiac Catheterization Laboratory: A Prospective Observational Study. *Journal of Cardiothoracic and Vascular Anesthesia*, 29(5), 1285–1290. doi:10.1053/j.jvca.2015.06.002
- Emmert, A., Gries, G., Wand, S., Buentzel, J., Bräuer, A., Quintel, M., & Brandes, I. F. (2018). Association between perioperative hypothermia and patient outcomes after thoracic surgery: A single center retrospective analysis. *Medicine*, 97(17), e0528. doi:10.1097/MD.00000000000010528
- Forbes, S. S., Eskicioglu, C., Nathens, A. B., Fenech, D. S., Laflamme, C., McLean, R. F., & McLeod, R. S. (2009). Evidence-Based Guidelines for Prevention of Perioperative Hypothermia. *Journal of the American College of Surgeons*, 209(4), 492–503.e1. doi:10.1016/j.jamcollsurg.2009.07.002
- Frisch, N. B., Pepper, A. M., Jildeh, T. R., Shaw, J., Guthrie, T., & Silverton, C. (2016). Intraoperative Hypothermia During Surgical Fixation of Hip Fractures. *Orthopedics*, 39(6), e1170–e1177. doi:10.3928/01477447-20160811-04
- Frisch, N. B., Pepper, A. M., Rooney, E., & Silverton, C. (2017). Intraoperative Hypothermia in Total Hip and Knee Arthroplasty. *Orthopedics*, 40(1), 56–63. doi:10.3928/01477447-20161017-04
- Han, S. B., Gwak, M. S., Choi, S. J., Ko, J. S., Kim, G. S., Son, H. J., & Shin, J. C. (2014). Risk Factors for Inadvertent Hypothermia During Adult Living-Donor Liver Transplantation. *Transplantation Proceedings*, 46(3), 705–708. doi:10.1016/j.transproceed.2013.11.091
- Hooper, V. D., Chard, R., Clifford, T., Fetzer, S., Fossum, S., Godden, B., Martinez, E. A., Noble, K. A., O'Brien, D., Odom-Forren, J., Peterson, C., & Ross, J. (2009). ASPAN's Evidence-Based Clinical Practice Guideline for the Promotion of Perioperative Normothermia. *Journal of PeriAnesthesia Nursing*, 24(5), 271–287. doi:10.1016/j.jopan.2009.09.001
- Hooper, V. D., Chard, R., Clifford, T., Fetzer, S., Fossum, S., Godden, B., Martinez, E. A., Noble, K. A., O'Brien, D., Odom-Forren, J., Peterson, C., Ross, J., & Wilson, L. (2010). ASPAN's Evidence-Based Clinical Practice Guideline for the Promotion of Perioperative Normothermia: Second Edition. *Journal of PeriAnesthesia Nursing*, 25(6), 346–365. doi:10.1016/j.jopan.2010.10.006
- Kim, E. J., & Yoon, H. (2014). Preoperative Factors Affecting the Intraoperative Core Body Temperature in Abdominal Surgery Under General Anesthesia: An Observational Cohort. *Clinical Nurse Specialist*, 28(5), 268–276. doi:10.1097/NUR.0000000000000069
- Kleimeyer, J. P., Harris, A. H. S., Sanford, J., Maloney, W. J., Kadry, B., & Bishop, J. A. (2018). Incidence and Risk Factors for Postoperative Hypothermia After Orthopaedic Surgery: *Journal of the American Academy of Orthopaedic Surgeons*, 26(24), e497–e503. doi:10.5435/JAAOS-D-16-00742
- Long, K. C., Tanner, E. J., Frey, M., Leitao, M. M., Levine, D. A., Gardner, G. J., Sonoda, Y., Abu-Rustum, N. R., Barakat, R. R., & Chi, D. S. (2013). Intraoperative hypothermia during primary surgical cytoreduction for advanced ovarian cancer: Risk factors and associations with postoperative morbidity. *Gynecologic Oncology*, 131(3), 525–530. doi:10.1016/j.ygyno.2013.08.034

- Mehta, O. H., & Barclay, K. L. (2014). Perioperative hypothermia in patients undergoing major colorectal surgery: Hypothermia in colorectal surgery. *ANZ Journal of Surgery*, 84(7–8), 550–555. doi:10.1111/ans.12369
- Mendonça, F. T., Lucena, M. C. de, Quirino, R. S., Govêia, C. S., & Guimarães, G. M. N. (2019). Risk factors for postoperative hypothermia in the post-anesthetic care unit: A prospective prognostic pilot study. *Brazilian Journal of Anesthesiology (English Edition)*, 69(2), 122–130. doi:10.1016/j.bjane.2018.11.002
- Outcomes Research Consortium. (2020). Temperature-Monitoring and Thermal Management Guidelines. http://www.or.org/temp_monitoring.htm#
- Parodi, D., Tobar, C., Valderrama, J., Sauthier, E., Besomi, J., López, J., Lara, J., Mella, C., & Ilic, J. P. (2012). Hip Arthroscopy and Hypothermia. *Arthroscopy: The Journal of Arthroscopic & Related Surgery*, 28(7), 924–928. doi:10.1016/j.arthro.2011.12.012
- Pu, Y., Cen, G., Sun, J., Gong, J., Zhang, Y., Zhang, M., Wu, X., Zhang, J., Qiu, Z., & Fang, F. (2014). Warming with an underbody warming system reduces intraoperative hypothermia in patients undergoing laparoscopic gastrointestinal surgery: A randomized controlled study. *International Journal of Nursing Studies*, 51(2), 181–189. doi:10.1016/j.ijnurstu.2013.05.013
- Putnam, K. (2015). Prevention of unplanned patient hypothermia. *AORN Journal*, 102(4), P10–P12. doi:10.1016/S0001–2092(15)00821–2
- Ratan, A., Andrzejowski, J., Bovey, J., Bullock, I., Davis, S., Dziewulski, P., Gosling, P., Gussin, S., Harper, C., Lakshmi, M., Radford, M., Scott, E., Wang, M., Westby, M., Akunne, A., Martinez-Gonzales, N., Miller, P., Nawrocki, E., & Weir, E. (2008). Clinical practice guideline: The management of inadvertent perioperative hypothermia in adults. England: National Institute for Health and Clinical Excellence/National Collaborating Centre for Nursing and Supportive Care. Retrieved from <https://www.nice.org.uk/guidance/cg65/evidence/full-guideline-pdf-196802751> (15.11.2019)
- Rincón, D. A., Valero, J. F., & Eslava-Schmalbach, J. (2008). Construction and validation of a model to predict intraoperative hypothermia. *Rev Esp Anesthesiol Reanim*, 55(7), 401–506.
- Scholten, R., Leijtens, B., Kremers, K., Snoeck, M., & Koëter, S. (2018). The incidence of mild hypothermia after total knee or hip arthroplasty: A study of 2600 patients. *Journal of Orthopaedics*, 15(2), 408–411. doi:10.1016/j.jor.2018.03.014
- Torossian, A., Bein, B., Bräuer, A., Greif, R., Höcker, J., Horn, E. P., Ittner, K. P., Kimberger, O., Klar, E., Müllner-Wolff, T., Schmittenbecher, P., Welk, I., Weyland, W., & Wulf, H. (2014). S3 Leitlinie Vermeidung von perioperativer Hypothermie 2014. http://www.awmf.org/uploads/tx_szleitlinien/001–018l_S3_Vermeidung_perioperativer_Hypothermie_2014–05.pdf
- Tsakamoto, M., Hitosugi, T., Esaki, K., & Yokoyama, T. (2016). Risk Factors for Post-operative Shivering After Oral and Maxillofacial Surgery. *Journal of Oral and Maxillofacial Surgery*, 74(12), 2359–2362. doi:10.1016/j.joms.2016.06.180
- Vural, F., Çelik, B., Deveci, Z., & Yasak, K. (2018). Investigation of inadvertent hypothermia incidence and risk factors. *Turkish Journal of Surgery*, 34(4), 300–305. PubMed. doi:10.5152/turkjsurg.2018.3992
- Wetz, A. J., Perl, T., Brandes, I. F., Harden, M., Bauer, M., & Bräuer, A. (2016). Unexpectedly high incidence of hypothermia before induction of anesthesia in elective surgical patients. *Journal of Clinical Anesthesia*, 34, 282–289. doi:10.1016/j.jclinane.2016.03.065

- Williams, M., & El-Houdiri, Y. (2018). Inadvertent hypothermia in hip and knee total joint arthroplasty. *Journal of Orthopaedics*, 15(1), 151–158. doi:10.1016/j.jor.2018.01.035
- Williams, M., Ng, M., & Ashworth, M. (2018). What is the incidence of inadvertent hypothermia in elderly hip fracture patients and is this associated with increased re-admissions and mortality? *Journal of Orthopaedics*, 15(2), 624–629. doi:10.1016/j.jor.2018.05.020
- Winslow, E. H., Cooper, S. K., Haws, D. M., Balluck, J. P., Jones, C. M., Morse, E. C., Edwards, T. D., & Kelly, P. A. (2012). Unplanned Perioperative Hypothermia and Agreement Between Oral, Temporal Artery, and Bladder Temperatures in Adult Major Surgery Patients. *Journal of PeriAnesthesia Nursing*, 27(3), 165–180. doi:10.1016/j.jopan.2012.01.012
- Wódarski, B., Chutkowski, R., Banasiewicz, J., Moorthi, K., Wójtowicz, S., Malec-Milewska, M., & Iohom, G. (2020). Risk factors for shivering during caesarean section under spinal anaesthesia. A prospective observational study. *Acta Anaesthesiologica Scandinavica*, 64(1), 112–116. doi:10.1111/aas.13462
- Yang, L., Huang, C.-Y., Zhou, Z.-B., Wen, Z.-S., Zhang, G.-R., Liu, K.-X., & Huang, W.-Q. (2015). Risk factors for hypothermia in patients under general anesthesia: Is there a drawback of laminar airflow operating rooms? A prospective cohort study. *International Journal of Surgery*, 21, 14–17. doi:10.1016/j.ijssu.2015.06.079
- Yi, J., Lei, Y., Xu, S., Si, Y., Li, S., Xia, Z., Shi, Y., Gu, X., Yu, J., Xu, G., Gu, E., Yu, Y., Chen, Y., Jia, H., Wang, Y., Wang, X., Chai, X., Jin, X., Chen, J., ... Huang, Y. (2017). Intraoperative hypothermia and its clinical outcomes in patients undergoing general anesthesia: National study in China. *PLOS ONE*, 12(6), e0177221. doi:10.1371/journal.pone.0177221
- Yi, J., Xiang, Z., Deng, X., Fan, T., Fu, R., Geng, W., Guo, R., He, N., Li, C., Li, L., Li, M., Li, T., Tian, M., Wang, G., Wang, L., Wang, T., Wu, A., Wu, D., Xue, X., ... Huang, Y. (2015). Incidence of Inadvertent Intraoperative Hypothermia and Its Risk Factors in Patients Undergoing General Anesthesia in Beijing: A Prospective Regional Survey. *PLOS ONE*, 10(9), e0136136. doi:10.1371/journal.pone.0136136
- Ziolkowski, N., Rogers, A. D., Xiong, W., Hong, B., Patel, S., Trull, B., & Jeschke, M. G. (2017). The impact of operative time and hypothermia in acute burn surgery. *Burns*, 43(8), 1673–1681. doi:10.1016/j.burns.2017.10.001

Ineffective thermoregulation (00008)

None at this time.

Risk for ineffective thermoregulation (00274)

None at this time.

12 Domain 12. Comfort

12.1 Class 1. Physical comfort

Impaired comfort (00214)

- Cameron, B.L. (1993). The nature of comfort to hospitalized medical surgical patients. *Journal of Advanced Nursing*, 18(3), 424–436.
- Honkus, V. (2003). Sleep deprivation in critical care units. *Critical Care Nursing Quarterly*, 26(3), 179–189.
- Jenny, J. & Logan, J. (1996). Caring and comfort Metaphors used by patients in critical care. *Image: Journal of Nursing Scholarship*, 28(4), 349–352.
- Kolcaba, K., Schirm, V. & Steiner, R. (2006). Effects of Hand Massage on Comfort of Nursing Home Residents. *Geriatric Nursing*, 27(2), 85–91.
- Kolcaba, K. (2003). Comfort theory and practice: A vision for holistic health care and research. New York: Springer Publishing Co.
- Kolcaba, K. & Fox, C. (1999). The effects of guided imagery on comfort of women with early-stage breast cancer going through radiation therapy. *Oncology Nursing Forum*, 26(1), 67–71.
- Kolcaba, K. (1992). The concept of comfort in an environmental framework. *Journal of Gerontological Nursing*, 18(6), 33–38.
- Minden P. (2005). The importance of words: Suggesting comfort rather than pain. *Holistic nursing practice* 19(6), 267–271.
- Schoener, C. (1996). The comfort and discomfort of infertility. *JOGNN*, 25(2), 167–172.
- Taylor, B (1992). Relieving pain through ordinariness in nursing: a phenomenological account of a comforting nurse-patient encounter. *Advances in Nursing Science*, 15(1), 33–43.
- Wilson, L. (2002). An investigation of the relationships of perceived nurse caring, social support and emotion-focused coping to comfort in hospitalized medical patients. Dissertation Abstracts International, (UMI No. AA13043623).
- Walker, A. (2002). Safety and comfort work of nurses glimpsed through patient narratives. *International Journal of Nursing Practice*, 8(1), 42–48.

Readiness for enhanced comfort (00183)

- Arruda, E., Larson, P., & Meleis, A. (1992). Immigrant Hispanic cancer patients' views. *Cancer Nursing*, 15(6), 387–395.
- Cameron, B.L. (1993). The nature of comfort to hospitalized medical surgical patients. *Journal of Advanced Nursing*, 18(3), 424–436.
- Duggleby, W. & Berry, P. (2005). Transitions in shifting goals of care for palliative patients and their families. *Clinical Journal of Oncology Nursing*, 9(4), 425–428.
- Gropper, E.I. (1992). Promoting health by promoting comfort. *Nursing Forum*, 27(2), 5–8.
- Jenny, J. & Logan, J. (1996). Caring and comfort metaphors used by patients in critical care. *Image: Journal of Nursing Scholarship*, 28(4), 349–352.
- Kolcaba, K. (1991). A taxonomic structure for the concept comfort. *Image: Journal of Nursing Scholarship*, 23(4), 237–240.
- Kolcaba, K. (1992). Holistic comfort: Operationalizing the construct as a nurse-sensitive outcome. *Advances in Nursing Science*, 15(1), 1–10.
- Kolcaba, K. (1994). A theory of holistic comfort for nursing. *Journal of Advanced Nursing*, 19(6), 1178–1184.

- Kolcaba, K. & Kolcaba, R. (1991). An analysis of the concept of comfort. *Journal of Advanced Nursing*, 16(11), 1301–1310.
- Malinowski, A. & Stamler, L.L. (2002). Comfort: Exploration of the concept in nursing. *Journal of Advanced Nursing*, 39(6), 599–606.
- Morse, J.M. (2000). On comfort and comforting. *American Journal of Nursing*, 100(9), 34–38.
- Morse, J.M., Borttoroff, J.L., & Hutchinson, S. (1994). The phenomenology of comfort. *Journal of Advanced Nursing*, 20(1), 189–195.
- Mitchell, G.J. & Pilkington, F.B. (2000). Comfort-discomfort with ambiguity: Flight and freedom in nursing practice. *Nursing Science Quarterly*, 13(1), 31–36.

Nausea (00134)

- Fessele, K.S. (1996). Managing the multiple causes of nausea and vomiting in the patient with cancer. *Oncology Nursing Forum*, 23(9), 1409–1418.
- Finley, J. (2000). Management of cancer cachexia. *AACN Clinical Issues*, 11(4), 590–603.
- Grant, M. (1987). Nausea, vomiting, and anorexia. *Seminars in Oncology Nursing*, 3(4), 277–286.
- Hogan, C.M. (1990). Advances in the management of nausea and vomiting. *Nursing Clinics of North America*, 25(2), 475–497.
- Hogan, C.M. & Grant, M. (1997). Physiologic mechanisms of nausea and vomiting in patients with cancer. *Oncology Nursing Forum*, 24(7), 8–12.
- Larson, P., Halliburton, P. & Di Julio, J. (1993). Nausea, vomiting, and retching. In Carrier-Kohlman, V. Lindsey, A.M. & West, C.M. (Eds.), *Pathophysiological Phenomena in Nursing Human Responses to Illness*. Philadelphia, PA: W.B. Saunders Company.
- Lichter, I. (1993). Which antiemetic? *Journal of Palliative Care*, 9(1), 42–50.
- Metz, A. & Hebbard, G. (2007). Nausea and vomiting in adults – A diagnostic approach. *Australian Family Physician*, 36(9), 688–692.
- Nachman, J.A. (1993). Postoperative nausea and vomiting. *Current Reviews for Post-Anesthesia Care Nurses*, 15(5), 39–44.
- Rousseau, P. (1995). Antiemetic therapy in adults with terminal disease: A brief review. *The American Journal of Hospice & Palliative Care*, January/February, 13–18.
- Tang, J.H.C. (1998). Management of chemotherapy-induced nausea: relaxation therapy. Unpublished research report, The University of Iowa, Iowa City, Iowa.
- Taylor, J.P. (1994). Validation of altered comfort: Nausea as experienced by patients receiving chemotherapy. In Carroll-Johnson & Paquette (Eds.), *Classification of Nursing Diagnoses: Proceedings of the Tenth Conference* (pp. 206–207). Philadelphia, PA: J.B. Lippincott Company.

Acute pain (00132)

- American Society for Pain Management Nursing. (n.d.). Retrieved from: <http://www.aspmn.org>
- Arbour, C., & Gélinas, C. (2010). Are vital signs valid indicators for the assessment of pain in postoperative cardiac surgery ICU adults? *Intensive and Critical Care Nursing*, 26(2), 83–90.
- Bell, L., & Duffy, A. (2009). Pain assessment and management in surgical nursing: a literature review. *British Journal of Nursing*, 18(3), 153.
- Briggs, E. (2010). Assessment and expression of pain. *Nursing Standard* (Royal College of Nursing (Great Britain): 1987), 25(2), 35.
- Corréa, C.G., & Cruz, D.A.L.M. (2000).

- Pain: Clinical validation with postoperative heart surgery patients. *Nursing Diagnosis*, 11, 5–14.
- El-Metwally, A., Salminen, J., Auvinen, A., Kautiainen, H., & Mikkelsen, M. (2006). Risk factors for traumatic and non-traumatic lower limb pain among preadolescents: a population-based study of Finnish schoolchildren. *BMC Musculoskeletal Disorders*, 7(3).
- Ferreira-Valente, M. A., Pais-Ribeiro, J. L., & Jensen, M. P. (2011). Validity of four pain intensity rating scales. *Pain*, 152(10), 2399–2404.
- Herr, K. (2011). Pain assessment strategies in older patients. *The Journal of Pain*, 12(3), S3–S13.
- Herr, K., Coyne, P.J., McCaffery, M., Manworren, R., & Merkel, S. (2011). Pain assessment in the patient unable to self-report: position statement with clinical practice recommendations. *Pain Management Nursing*, 12(4), 230–250.
- Juarez, P., Bach, A., Baker, M., Duey, D., Durkin, S., Gulczynski, B., ... & Lefaiver, C.A. (2010). Comparison of two pain scales for the assessment of pain in the ventilated adult patient. *Dimensions of Critical Care Nursing*, 29(6), 307–315.
- Marshall, D., Evans-Harrop, S., Beacham, P., Gryniv-Chavis, T., Stevens, J., Mulligan, K., ... & Barnett, T. (2013). A Comparison of Behavioral Pain Scales to the Numeric Rating Scale in a Post Anesthesia Care Setting. *Journal of PeriAnesthesia Nursing*, 28(3), e48–e49.
- Miller, K. & Chang, A. (2003). Acute inhalation injury. *Emergency Medical Clinics of North America*, 21, 533–557.
- National Institute of Neurological Disorders and Stroke. (2013). Pain: hope through research. Bethesda, Md. Available: http://www.ninds.nih.gov/disorders/chronic_pain/detail_chronic_pain.htm
- Pudas-Tähkä, S.M., Axelin, A., Aantaa, R., Lund, V., & Salanterä, S. (2009). Pain assessment tools for unconscious or sedated intensive care patients: a systematic review. *Journal of Advanced Nursing*, 65(5), 946–956.
- Smith, L., Louw, Q., Crous, L., & Grimmer-Somers, K. (2009). Prevalence of neck pain and headaches: impact of computer use and other associative factors. *Cephalalgia: An International Journal Of Headache*, 29(2), 250–257.
- Swann, J. (2010). Pain: causes, effects and assessment. *Nursing & Residential Care*, 12(5), 212–215.
- Tomlinson, D., von Baeyer, C. L., Stinson, J. N., & Sung, L. (2010). A systematic review of faces scales for the self-report of pain intensity in children. *Pediatrics*, 126(5), e1168–e1198.
- Turk, D. C., & Melzack, R. (2011). *Handbook of pain assessment*. New York: Guilford Press.

Chronic pain (00133)

- Albert, H., Godskesen, M., Korsholm, L., & Westergaard, J. (2006). Risk factors in developing pregnancy-related pelvic girdle pain. *Acta Obstetrica Et Gynecologica Scandinavica*, 85(5), 539–544.
- American Society for Pain Management Nursing. (n.d.). Retrieved from: <http://www.aspmn.org>
- Anandacoomarasamy, A., Caterson, I., Sambrook, P., Fransen, M., & March, L. (2008). The impact of obesity on the musculoskeletal system. *International Journal Of Obesity*, (2005), 32(2), 211–222.

- Blomqvist, K. & Edberg, A. (2002) Living with persistent pain: experiences of older people receiving home care. *Journal of Advanced Nursing*, 40(3), 297–306.
- Briggs, E. (2010). Assessment and expression of pain. *Nursing Standard* (Royal College of Nursing (Great Britain): 1987), 25(2), 35.
- Clarke, K.A. & Iphofen, R. (2006). Issues in phenomenological nursing research: the combined use of pain diaries and interviewing. *Nurse Researcher*, 13(3), 62–74.
- Clarke, K.A. & Iphofen, R. (2008). A phenomenological hermeneutic study into unseen chronic pain. *British Journal of Nursing*, 17(10), 658–663.
- Closs, S.J., Staples, V., Reid, I., Bennett, M.I., & Briggs, M. (2009) The impact of neuropathic pain on relationships. *Journal of Advanced Nursing*, 65(2), 402–411.
- Cornally, N. & McCarthy, G. (2011). Help-seeking behaviour for the treatment of chronic pain. *British Journal of Community Nursing*, 16(2), 90–98.
- El-Metwally, A., Salminen, J., Auvinen, A., Kautiainen, H., & Mikkelsen, M. (2006). Risk factors for traumatic and non-traumatic lower limb pain among preadolescents: a population-based study of Finnish schoolchildren. *BMC Musculoskeletal Disorders*, 7(3).
- Fear, C. (2010). Neuropathic pain: clinical features, assessment and treatment. *Nursing Standard*, 25(6), 35–40.
- Ferreira-Valente, M. A., Pais-Ribeiro, J. L., & Jensen, M. P. (2011). Validity of four pain intensity rating scales. *Pain*, 152(10), 2399–2404.
- Gatchel, R.J. (2004). Comorbidity of chronic pain and mental health: The biopsychosocial perspective. *American Psychologist*, 59, 792–794.
- Gatchel, R.J., Peng, Y.B., Peters, M.L., Fuchs, P.N., & Turk, D.C. (2007). The biopsychosocial approach to chronic pain: scientific advances and future directions. *Psychological Bulletin*, 133(4), 581–624.
- Geere, J., Hunter, P., & Jagals, P. (2010). Domestic water carrying and its implications for health: a review and mixed methods pilot study in Limpopo Province, South Africa. *Environmental Health: A Global Access Science Source*, 9(52).
- Gelinas, C., Fillion, L. & Puntillo, K.A. (2008). Item selection and content validation of the Critical-Care Pain Observation Tool for non-verbal adults. *Journal of Advanced Nursing*, 65(1), 203–216.
- Ghai, B. & Dureja, G.P. (2004). Complex regional pain syndrome: a review. *Journal of Postgraduate Medicine*, 50, 300–7.
- Gudmannsdottir, G.D. & Halldorsdottir, S. (2008). Primacy of existential pain and suffering in residents in chronic pain in nursing homes: a phenomenological study. *Scandinavian Journal of Caring Sciences*, 23(2), 317–327.
- Hager, K. & Brockopp, D. (2009). The use of a chronic pain diary in older people. *British Journal of Nursing*, 18(8), 490, 492–494.
- Harstall, C. & Ospina, M. (2003). How prevalent is chronic pain? *Pain: Clinical Updates*, XI(2), 1–4.
- Herr, K. (2011). Pain assessment strategies in older patients. *The Journal of Pain*, 12(3), S3–S13.
- Herr, K., Coyne, P. J., McCaffery, M., Manworren, R., & Merkel, S. (2011). Pain assessment in the patient unable to self-report: position statement with clinical practice recommendations. *Pain Management Nursing*, 12(4), 230–250.
- Higgins, I., Madjar, I. & Walton, J.A. (2004). Chronic pain in elderly nursing home residents: the need for nursing leadership. *Journal of Nursing Management*, 12, 167–173.

- Irving, D., Cook, J., Young, M., & Menz, H. (2007). Obesity and pronated foot type may increase the risk of chronic plantar heel pain: a matched case-control study. *BMC Musculoskeletal Disorders*, 8(1), 41.
- Jinks, C., Jordan, K., & Croft, P. (2006). Disabling knee pain—another consequence of obesity: results from a prospective cohort study. *BMC Public Health*, 6(1), 258.
- Juarez, P., Bach, A., Baker, M., Duey, D., Durkin, S., Gulczynski, B., ... & Lefaiver, C. A. (2010). Comparison of two pain scales for the assessment of pain in the ventilated adult patient. *Dimensions of Critical Care Nursing*, 29(6), 307–315.
- Kirkengen, A.L. (2007). Scientific contribution. Inscription of violence: societal and medical neglect of child abuse – impact on life and health. *Medicine, Health Care & Philosophy*, 11(1), 99–110.
- Kreling, M.C.G.D., Cruz, D.A.L.M., & Pimenta, C.A.M. (2006). Prevalência de dor crônica em adultos. *Revista Brasileira de Enfermagem*, 59(4), 509–513.
- Lewandowski, W, Morris, R., Draucker, C.B. & Risko, C. (2007). Chronic pain and the family: theory-driven treatment approaches. *Issues in Mental Health Nursing*, 28(9), 1019–1044.
- Marshall, D., Evans-Harrop, S., Beacham, P., Gryniv-Chavis, T., Stevens, J., Mulligan, K., ... & Barnett, T. (2013). A Comparison of Behavioral Pain Scales to the Numeric Rating Scale in a Post Anesthesia Care Setting. *Journal of PeriAnesthesia Nursing*, 28 (3), e48-e49.
- McBeth, J., Chiu, Y.H., Silman, A.J., Ray, D., Morriss, R., Dickens, C., Gupta, A., ... Macfarlane, G.J. (2005). Hypothalamic-pituitary-adrenal stress axis function and the relationship with chronic widespread pain and its antecedents. *Arthritis Research & Therapy*, 7(5), R992-R1000.
- Molony, S.L., Kobayashi, M., Holleran, E.A., & Mezey, M. (2005). Assessing pain as a fifth vital sign in long-term care facilities: recommendations from the field. *Journal of Gerontological Nursing*, 31(3), 16–24.
- Monteiro Cruz, D., & Mattos Pimenta, C. (2001). Chronic pain: nursing diagnosis or syndrome? *Nursing Diagnosis*, 12(4), 117–127.
- Moore, M.J., White, G.L., & Moore, D.L. (2007) Association of relative backpack weight with reported pain, pain sites, medical utilization, and lost school time in children and adolescents. *The Journal of School Health*, 77(5), 232–239.
- Ochsmann, E.B., Rueger, H., Letzel, S., Drexler, H. & Muenster, E. (2009). Over-indebtedness and its association with the prevalence of back pain. *BMC Public Health*, 9, 451.
- Olsen, D., Montgomery, E., Bøjholm, S., & Foldspang, A. (2006). Prevalent musculoskeletal pain as a correlate of previous exposure to torture. *Scandinavian Journal Of Public Health*, 34(5), 496–503.
- Pal, P., Milosavljevic, S., Gregory, D., Carman, A., & Callaghan, J. (2010). The influence of skill and low back pain on trunk postures and low back loads of shearers. *Ergonomics*, 53(1), 65–73.
- Pudas-Tähkä, S. M., Axelin, A., Aantaa, R., Lund, V., & Salanterä, S. (2009). Pain assessment tools for unconscious or sedated intensive care patients: a systematic review. *Journal of Advanced Nursing*, 65(5), 946–956.
- Rogers, M., & Wilder, F. (2008). The association of BMI and knee pain among persons with radiographic knee osteoarthritis: a cross-sectional study. *BMC Musculoskeletal Disorders*, 9(1), 163.

- Smith, L., Louw, Q., Crous, L., & Grimmer-Somers, K. (2009). Prevalence of neck pain and headaches: impact of computer use and other associative factors. *Cephalalgia: An International Journal Of Headache*, 29(2), 250–257.
- Sofaer-Bennett, B., Walker, J., Moore, A., Lamberty, J., Thorp, T., & O'Dwyer, J. (2007). The Social Consequences for Older People of Neuropathic Pain: A Qualitative Study. *Pain Medicine*, 8(3), 263–270.
- Swann, J. (2010). Pain: causes, effects and assessment. *Nursing & Residential Care*, 12(5), 212–215.
- Tomlinson, D., von Baeyer, C. L., Stinson, J. N., & Sung, L. (2010). A systematic review of faces scales for the self-report of pain intensity in children. *Pediatrics*, 126(5), e1168–e1198.
- Tunks, E.R., Crook, J., & Weir, R. (2008). Epidemiology of Chronic Pain With Psychological Comorbidity: Prevalence, Risk, Course, and Prognosis. *Canadian Journal of Psychiatry*, 53(4), 224–234.
- Turk, D. C., & Melzack, R. (2011). *Handbook of pain assessment*. New York: Guilford Press.
- Van Lankveld, J.J.D.M., Granot, M., Weijmar Schultz, W. C.M., Binik, Y. M., Wesselmann, U., Pukall, C.F., ... & Achtrari, C. (2010). Women's Sexual Pain Disorders. *The Journal of Sexual Medicine*, 7(1) 615–631.
- Waters, T., Genaidy, A., Barriera Viruet, H., & Makola, M. (2008). The impact of operating heavy equipment vehicles on lower back disorders. *Ergonomics*, 51(5), 602–636.
- White, S. & Seibold, C. (2008). Walk a mile in my shoes: An auto-ethnographic study. *Contemporary Nurse*, 30, 57–68.

Chronic pain syndrome (00255)

- Aili K, Andersson M, Bremander A, Haglund E, Larsson I, Bergman S. Sleep problems and fatigue as predictors for the onset of chronic widespread pain over a 5-and 18-year perspective. *BMC musculoskeletal disorders*. 2018;19(1), 390.
- Alföldi P, Dragioti E, Wiklund T, Gerdle B. Spreading of pain and insomnia in patients with chronic pain: results from a national quality registry (SQRP). *Journal of rehabilitation medicine*. 2017;49(1), 63–70.
- Allen SA, Dal Grande E, Abernethy AP, Currow DC. Two colliding epidemics—obesity is independently associated with chronic pain interfering with activities of daily living in adults 18 years and over; a cross-sectional, population-based study. *BMC public health*. 2016;16(1), 1034.
- Amy EA, Kozak AT. “The more pain I have, the more I want to eat”: obesity in the context of chronic pain. *Obesity*. 2012;20(10), 2027–2034.
- Arranz LI, Rafecas M, Alegre C. Effects of obesity on function and quality of life in chronic pain conditions. *Current rheumatology reports*. 2014;16(1), 390.
- Bahouq H, Allali F, Rkain H, Hmamouchi I, Hajjaj-Hassouni N. Prevalence and severity of insomnia in chronic low back pain patients. *Rheumatology international*. 2013;33(5), 1277–1281.
- Baker KS, Gibson SJ, Georgiou-Karistianis N, Giummarra MJ. Relationship between self-reported cognitive difficulties, objective neuropsychological test performance and psychological distress in chronic pain. *European Journal of Pain*. 2018;22(3), 601–613.
- Boakye PA, Olechowski C, Rashid S, Verrier MJ, Kerr B, Witmans M, Baker G, Joyce A, Dick BD. A critical review of neurobiological factors involved in the interactions

- between chronic pain, depression, and sleep disruption. *Clin J Pain* 2016;32(4):327–336.
- Brooks C, Siegler JC, Marshall PW. Relative abdominal adiposity is associated with chronic low back pain: a preliminary explorative study. *BMC public health*. 2016;16(1), 700.
- Burke AL, Mathias JL, Denson LA. Psychological functioning of people living with chronic pain: A meta-analytic review. *British Journal of Clinical Psychology*. 2015;54(3), 345–360.
- Campbell P, Tang N, McBeth J, Lewis M, Main CJ, Croft PR, et al. The role of sleep problems in the development of depression in those with persistent pain: a prospective cohort study. *Sleep*. 2013;36(11), 1693–1698.
- Cheatle MD, Foster S, Pinkett A, Lesneski M, Qu D, Dhingra L. Assessing and managing sleep disturbance in patients with chronic pain. *Anesthesiology clinics*. 2016;34(2), 379–393.
- Covarrubias-Gomez A, Mendoza-Reyes JJ. Evaluation of sleep quality in subjects with chronic nononcologic pain. *Journal of pain & palliative care pharmacotherapy*. 2013;27(3), 220–224.
- Crombez G, Viane I, Eccleston C, Devulder J, Goubert L. Attention to pain and fear of pain in patients with chronic pain. *Journal of behavioral medicine*. 2013;36(4), 371–378.
- Dellaroza MSG, Pimenta CADM, Duarte YA, Lebrão ML. Dor crônica em idosos residentes em São Paulo, Brasil: prevalência, características e associação com capacidade funcional e mobilidade (Estudo SABE). *Cadernos de Saúde Pública*. 2013;29, 325–334.
- Dragioti E, Bernfort L, Larsson B, Gerdle B, Levin LA. Association of insomnia severity with well-being, quality of life and health care costs: A cross-sectional study in older adults with chronic pain (PainS65+). *European Journal of Pain*. 2018;22(2), 414–425.
- Edwards RR, Dworkin RH, Sullivan MD, Turk DC, Wasan AD. The role of psychosocial processes in the development and maintenance of chronic pain. *The Journal of Pain*. 2016;17(9), T70–T92.
- Elbinoune I, Amine B, Shyen S, Gueddari S, Abouqal R, Hajjaj-Hassouni N. Chronic neck pain and anxiety-depression: prevalence and associated risk factors. *Pan African Medical Journal*. 2016;24(1).
- Emery PC, Wilson KG, Kowal J. Major depressive disorder and sleep disturbance in patients with chronic pain. *Pain Research and Management*. 2014;19(1), 35–41.
- Epstein RS, Cimen A, Benenson H, Aubert RE, Khalid M, Sostek MB, Salimi T. Patient preferences for change in symptoms associated with opioid-induced constipation. *Advances in therapy*. 2014;31(12), 1263–1271.
- Epstein RS, Teagarden JR, Cimen A, Sostek M, Salimi T. When people with opioid-induced constipation speak: A patient survey. *Advances in therapy*. 2017;34(3), 725–731.
- Farmer AD, Holt CB, Downes TJ, Ruggeri E, Del Vecchio S, De Giorgio R. Pathophysiology, diagnosis, and management of opioid-induced constipation. *The Lancet Gastroenterology & Hepatology*. 2018;3(3), 203–212.
- Fowler-Brown A, Wee CC, Marcantonio E, Ngo L, Leveille S. The mediating effect of chronic pain on the relationship between obesity and physical function and disability in older adults. *Journal of the American Geriatrics Society*. 2013;61(12), 2079–2086.

- Gatchel RJ, Neblett R, Kishino N, Ray CT. Fear-avoidance beliefs and chronic pain. *Journal of Orthopaedic & Sports Physical Therapy*. 2016
- Generaal E, Vogelzangs N, Penninx BW, Dekker J. Insomnia, sleep duration, depressive symptoms, and the onset of chronic multisite musculoskeletal pain. *Sleep*. 2017;40(1).
- Hasenbring MI, Chehadi O, Titze C, Kreddig N. Fear and anxiety in the transition from acute to chronic pain: there is evidence for endurance besides avoidance. *Pain management*. 2014;4(5), 363–374.
- Heuch I, Heuch I, Hagen K, Zwart JA. Body mass index as a risk factor for developing chronic low back pain: a follow-up in the Nord-Trøndelag Health Study. *Spine*. 2013;38(2), 133–139.
- Karaman S, Karaman T, Dogru S, Onder Y, Citil R, Bulut YE, et al. Prevalence of sleep disturbance in chronic pain. *Eur Rev Med Pharmacol Sci*. 2014;18(17), 2475–2481.
- Karp JF, DiNapoli EA, Wetherell J, Bolon C, Rodriguez E, Shega J, Weiner DK. Deconstructing chronic low back pain in the older adult—step by step evidence and expert-based recommendations for evaluation and treatment: part IX: anxiety. *Pain Medicine*. 2016;17(8), 1423–1435.
- Kawai K, Kawai AT, Wollan P, Yawn BP. Adverse impacts of chronic pain on health-related quality of life, work productivity, depression and anxiety in a community-based study. *Family practice*. 2017;34(6), 656–661.
- Kosson D, Malec-Milewska M, Gałżkowski R, Rzońca P. Analysis of anxiety, depression and aggression in patients attending pain clinics. *International journal of environmental research and public health*. 2018;15(12), 2898.
- Kroska EB. A meta-analysis of fear-avoidance and pain intensity: the paradox of chronic pain. *Scandinavian journal of pain*. 2016;13, 43–58.
- Larsson C, Hansson EE, Sundquist K, Jakobsson U. Impact of pain characteristics and fear-avoidance beliefs on physical activity levels among older adults with chronic pain: a population-based, longitudinal study. *BMC geriatrics*. 2016;16(1), 50.
- Le Borgne M, Boudoukha AH, Petit A, Roquelaure Y. Chronic low back pain and the transdiagnostic process: How do cognitive and emotional dysregulations contribute to the intensity of risk factors and pain?. *Scandinavian journal of pain*. 2017;17(1), 309–315.
- Leder, D. Coping with chronic pain, illness and incarceration: what patients and prisoners have to teach each other (and all of us). *Medical humanities*. 2018;44(2), 113–119.
- Lerman SF, Rudich Z, Brill S, Shalev H, Shahar G. Longitudinal associations between depression, anxiety, pain, and pain-related disability in chronic pain patients. *Psychosomatic medicine*. 2015;77(3), 333–341.
- Li J, Chen J, Qin Q, Zhao D, Dong B, Ren Q, et al. Chronic pain and its association with obesity among older adults in China. *Archives of gerontology and geriatrics*. 2018;76, 12–18.
- Lin TC, Ger LP, Pergolizzi Jr JV, Raffa RB, Wang JO, Ho ST. Long-term use of opioids in 210 officially registered patients with chronic noncancer pain in Taiwan: a cross-sectional study. *Journal of the Formosan Medical Association*. 2017;116(4), 257–265.
- LoCasale RJ, Datto CJ, Margolis MK, Tack J, Coyne KS. The impact of opioid-induced constipation among chronic pain patients with sufficient laxative use. *International journal of clinical practice*. 2015;69(12), 1448–1456.
- McBeth J, Wilkie R, Bedson J, Chew-Graham C, Lacey RJ. Sleep disturbance and chronic widespread pain. *Current rheumatology reports*. 2015;17(1), 1.

- Mehta S, Rice D, Janzen S, Serrato J, Getty H, Shapiro A, et al. The long term role of anxiety sensitivity and experiential avoidance on pain intensity, mood, and disability among individuals in a specialist pain clinic. *Pain Research and Management*, 2016.
- Mork PJ, Vik KL, Moe B, Lier R, Bardal EM, Nilsen TIL. Sleep problems, exercise and obesity and risk of chronic musculoskeletal pain: the Norwegian HUNT study. *The European Journal of Public Health*. 2013;24(6), 924–929.
- Mundal I, Gråwe RW, Bjørngaard JH, Linaker OM, Fors EA. Psychosocial factors and risk of chronic widespread pain: an 11-year follow-up study—the HUNT study. *PAIN®*. 2014;155(8), 1555–1561.
- Narouze S, Souzdalnitski D. Obesity and chronic pain: opportunities for better patient care. *Pain management*. 2015;5(4), 217–219.
- Ortego G, Villafane JH, Doménech-García V, Berjano P, Bertozzi L, Herrero P. Is there a relationship between psychological stress or anxiety and chronic nonspecific neck-arm pain in adults? A systematic review and meta-analysis. *Journal of psychosomatic research*. 2016;90, 70–81.
- Owari Y, Miyatake N. Relationship between chronic low back pain, social participation, and psychological distress in elderly people: A pilot mediation analysis. *Acta Med. Okayama*. 2018;72(4), 337–342.
- Pakpour AH, Yaghoobidoust M, Campbell P. Persistent and developing sleep problems: a prospective cohort study on the relationship to poor outcome in patients attending a pain clinic with chronic low back pain. *Pain Practice*. 2018;18(1), 79–86.
- Paley C, Johnson MI. Chronic pain in the obese population: is exercise the key?. 2016.
- Purushothaman B, Singh A, Lingutla K, Bhatia C, Pollock R, Krishna M. Prevalence of insomnia in patients with chronic back pain. *Journal of Orthopaedic Surgery*. 2013;21(1), 68–70.
- Ramírez-Maestre C, Esteve R, López-Martínez A. Fear-avoidance, pain acceptance and adjustment to chronic pain: a cross-sectional study on a sample of 686 patients with chronic spinal pain. *Annals of Behavioral Medicine*. 2014;48(3), 402–410.
- Rauck RL, Hong KSJ, North J. Opioid-induced constipation survey in patients with chronic noncancer pain. *Pain Practice*. 2017;17(3), 329–335.
- Rost S, Van Ryckeghem DM, Koval P, Sütterlin S, Vögele C, Crombez G. Affective instability in patients with chronic pain: a diary approach. *Pain*. 2016;157(8), 1783–1790.
- Stubbs B, Patchay S, Soundy A, Schofield P. The avoidance of activities due to fear of falling contributes to sedentary behavior among community-dwelling older adults with chronic musculoskeletal pain: a multisite observational study. *Pain medicine*. 2014;15(11), 1861–1871.
- Stubbs B, Schofield P, Patchay S. Mobility limitations and fall-related factors contribute to the reduced health-related quality of life in older adults with chronic musculoskeletal pain. *Pain Practice*. 2016;16(1), 80–89.
- Sturgeon JA, Carriere JS, Kao MCJ, Rico T, Darnall BD, Mackey SC. Social disruption mediates the relationship between perceived injustice and anger in chronic pain: a collaborative health outcomes information registry study. *Annals of Behavioral Medicine*. 2016;50(6), 802–812.
- Sturgeon JA, Dixon EA, Darnall BD, Mackey SC. Contributions of physical function and satisfaction with social roles to emotional distress in chronic pain: a Collaborative Health Outcomes Information Registry (CHOIR) study. *Pain*. 2015;156(12), 2627.

- Thong IS, Tan G, Jensen MP. The buffering role of positive affect on the association between pain intensity and pain related outcomes. *Scandinavian journal of pain*. 2017;14(1), 91–97.
- Trinderup JS, Fisker A, Juhl CB, Petersen T. Fear avoidance beliefs as a predictor for long-term sick leave, disability and pain in patients with chronic low back pain. *BMC musculoskeletal disorders*. 2018;19(1), 431.
- Wertli MM, Rasmussen-Barr E, Held U, Weiser S, Bachmann LM, Brunner F. Fear-avoidance beliefs—a moderator of treatment efficacy in patients with low back pain: a systematic review. *The Spine Journal*. 2014;14(11), 2658–2678.
- Wolf LD, Davis MC. Loneliness, daily pain, and perceptions of interpersonal events in adults with fibromyalgia. *Health Psychology*. 2014;33(9), 929
- Zettel-Watson L, Rutledge DN, Aquino JK, Cantero P, Espinoza A, Leal F, Jones CJ. Typology of chronic pain among overweight Mexican Americans. *Journal of health care for the poor and underserved*. 2011;22(3), 1030–1047.

Labor pain (00256)

- Almeida, N. A. M. et al. (2005). Utilização de técnicas de respiração e relaxamento para alívio de dor e ansiedade no processo de parturição. *Revista Latino-Americana De Enfermagem*, 13(1), 52–58.
- Almeida, N.A., Silveira, N.A., Bachion, M.M., & Sousa, J.T. (2005). Concentração plasmática do hormônio adrenocorticotrófico de parturientes submetidas a método não farmacológico de alívio da ansiedade e dor do parto. *Rev Latino-am de Enfermagem*, 13(2), 223–238.
- Backer, A., Ferguson, S.A., Roach, G.D., & Dawson, D. (2001). Perceptions of labour pain by mothers and their attending midwives. *Journal of Advanced Nursing*, 35(2), 171–179.
- Bass, M. (2010). Anatomy and physiology of pain and the management of breakthrough pain in palliative care. *International Journal of Palliative Nursing*, 16(10), 486–492.
- Biblioteca Virtual em Saúde. (2013). DeCS [base de dados na internet]: Labor pain; número do registro: 38636. Retrieved from <http://decs.bvs.br/cgi-bin/wxis1660.exe/decsserver>
- Bickley, L. (2005). *Bates: propedêutica médica* (3 ed.). Rio de Janeiro: Guanabara Koogan.
- Briggs, E. (2010) Understanding the experience and physiology of pain. *Nursing Standard*, 25(3), 35–39.
- Brownridge, P. (1995). The nature and consequences of childbirth pain. *European Journal of Obstetrics and Gynecology*, 59, S9–15.
- Bussone G, Grazi L., & Panerai A.E. (2012). Pain, emotion, headache. *Headache*, 52 (Suppl 2), 98–101.
- Corrêa, C.G. (1997). *Dor: validação clínica no pós-operatório de cirurgia cardíaca. Thesis (Masters)*, Escola de Enfermagem de São Paulo, Universidade de São Paulo, Ribeirão Preto, Brasil.
- Costa, R., Figueiredo, B., Pacheco, A., & Pais, A. (2003). Parto: expectativa, experiências, dor e satisfação. *Psicologia, Saúde & Doenças*, 4(1), 47–67.
- Davim, R.M.B., Torres, G.V., & Dantas, J.C. (2008). Representação de parturientes acerca da dor de parto. *Revista Eletrônica de Enfermagem*, 10(1), 100–109.

- Davim, R.M.B., Torres, G.V., & Melo, E. S. (2007). Estratégias não farmacológicas no alívio da dor durante o trabalho de parto: pré-teste de um instrumento. *Revista Latino-Americana de Enfermagem*, 15(6), 1150–1156.
- Dias, M.D., Coler, M.S., & Garcia, T.R. (1997). Labor pain: a proposed nursing diagnosis. North American Nursing Diagnosis Association, *Classification of Nursing Diagnoses: Proceedings of the Twelfth Conference*. Glendale, CA: Cinahl Information Systems.
- Fernandes, M.L., & Andrade, F.C.J. (2009). Analgesia de parto: bases anatômicas e fisiológicas. *Revista Médica de Minas Gerais*, 19(3, Suppl. 1), S3-S6.
- Ferreira, A.B.H. (1999). *Novo Aurélio: dicionário da língua portuguesa século XXI* (3 ed.). Rio de Janeiro: Nova Fronteira.
- Fridh, G., & Gaston-Johansson, F. (1990). Do primiparas and multiparas have realistic expectations of labor. *Acta Obstetricia Et Gynecologica Scandinavica*, 69(2), 103–109.
- Greenhill, J.P., & Friedman, E.A. (1976). *Obstetrícia*. Rio de Janeiro: Interamericana.
- Guyton, A.C., & Hall, J.E. (2002). *Tratado de fisiologia médica* (10 ed.). Rio de Janeiro: Guanabara Koogan.
- Haines, D. (2003). *Princípios de neurociência*. Madri: Elsevier.
- Houaiss, A. (2003). *Dicionário Houaiss de sinônimos e antônimos*. Rio de Janeiro: Objetiva.
- Johson, J.Y. (2012). *Enfermagem materna e do recém-nascido desmistificada: um guia de aprendizado*. Porto Alegre: Artmed.
- Kojic, Z., Arsenijevic, L., Scepanovic, L., & Popovic, N. (2007). Labor pain—physiological basis and regulatory mechanisms. *Srpski Arhiv Za Celokupno Lekarstvo*, 135(3–4), 235–239.
- Loeser, J.D., & Treede, R. D. (2008). The Kyoto protocol of IASP Basic Pain Terminology. *Pain*, 137(3), 473–477.
- Lowe, K.N. (1987). Parity and pain during parturition. *Journal of Obstetric, Gynecologic, & Neonatal Nursing*, 16(5), 340–346.
- Lowe, K.N. (1996). The pain and discomfort of labor and birth. *Journal of Obstetric, Gynecologic, and Neonatal Nursing*, 25(1), 82–92.
- Lowe, K.N. (1996). The pain and discomfort of labor and birth. *Journal of Obstetric, Gynecologic, and Neonatal Nursing*, 25(1), 82–92.
- Lowe, K.N. (2002). The nature of labor pain. *American Journal of Obstetrics and Gynecology*, 186(5), S16–24.
- Lundgren, I., & Dahlberg, K. (1998). Women's experience of pain during childbirth. *Midwifery*, 14(2), 105–110.
- Macedo, P. O. (2007). *Significando a dor no parto: expressão feminina da vivência do parto vaginal*. Dissertação de mestrado.
- Faculdade de Enfermagem, Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brasil.
- MacEvilly, M., & Buggy, D. (1996). Back pain and pregnancy: a review. *Pain*, 64(3), 405–414.
- Maul, A. (2007). An evolutionary interpretation of the significance of physical pain experienced by human females: defloration and childbirth pains. *Medical Hypotheses*, 69(2), 403–409.
- Mazoni S.R., & Carvalho E.C., de (2008). Dor de parto: considerações históricas e conceituais. *Revista Dor: Pesquisa Clínica e terapêutica*, 9(1), 1176–1182.
- McCaffery, M., & Pasero, C. (1999). *Pain: clinical manual* (2 ed.). St Louis: Mosby.

- McCallum, C., & Reis, A. P. (2006). Re-significando a dor e superando a solidão: experiências do parto entre adolescentes de classes populares atendidas em uma maternidade pública de Salvador, Bahia, Brasil. *Cadernos de Saúde Pública*, 22(7), 1483–1491.
- McCool, W.F., Smith, T., & Aberg, C. (2004). Pain in women's health: a multi-faceted approach toward understanding. *Journal of Midwifery & Womens Health*, 49(6), 473–481.
- Melzack, R. (1975). The McGill pain questionnaire: major properties and scoring methods. *Pain*, 1(3), 277–299.
- Melzack, R. (1987). The short-form McGill pain questionnaire. *Pain*, 30(2), 191–197.
- Melzack, R. (2001). Pain and the Neuromatrix in the Brain. *Journal of Dental Education*, 65(12), 1378–1382.
- MeSH. Medical Subject Headings (2013). MeSH [base de dados na internet]: Labor pain. Retrieved from < <http://www.ncbi.nlm.nih.gov/mesh?Db=mesh&Term=%22Labor,%20Obstetric%20%22>
- Montenegro, C.A.B., & Rezende Filho, J. (2011). O parto: estudo clínico e assistência. In: Montenegro, C.A.B., & Rezende Filho, J. (Eds.). *Obstetrícia Fundamental*. Rio de Janeiro: Guanabara Koogan.
- Neme, B. (2005). *Obstetrícia Básica* (3 ed). São Paulo: Sarvier.
- Ohel, I., Walfisch, A., Shitenberg, D., Sheiner, E., & Hallak, M. (2007). A rise in pain threshold during labor: A prospective clinical trial. *Pain*, 132(Suppl. 1), S104–S108.
- Pimenta, C. A. M., & Teixeira, M. J. (1996). Questionário de dor McGill: proposta de adaptação para a língua portuguesa. *Revista Da Escola De Enfermagem Da USP*, 30(3), 473–483.
- Rowlands, S., & Permezel, M. (1998). Physiology of pain in labour. *Baillière's Clinical Obstetrics and Gynaecology*, 12(3), 343–362.
- Trout, K.K. (2005). The neuromatrix theory of pain: implications for selected nonpharmacologic methods of pain relief for labor. *Journal of Midwifery & Womens Health*, 49(6), 482–488.
- Tseng, Y., & Juu-Su, T. (2008). Low back pain during labor and related factors. *Journal of Nursing Research*, 16(3), 231–241.
- Walker, L.O., & Avant, K.C. (2005). *Strategies for theory construction in nursing* (4th ed.). Norwalk, CT: Appleton & Lange.
- Weber, S.E. (1996). Cultural aspects of pain in childbearing women. *Journal of Obstetric, Gynecologic, and Neonatal Nursing*, 25(1), 67–72.

12.2 Class 2. Environmental comfort

Impaired comfort (00214)

- Cameron, B.L. (1993). The nature of comfort to hospitalized medical surgical patients. *Journal of Advanced Nursing*, 18(3), 424–436.
- Honkus, V. (2003). Sleep deprivation in critical care units. *Critical Care Nursing Quarterly*, 26(3), 179–189.
- Jenny, J. & Logan, J. (1996). Caring and comfort Metaphors used by patients in critical care. *Image: Journal of Nursing Scholarship*, 28(4), 349–352.
- Kolcaba, K., Schirm, V. & Steiner, R. (2006). Effects of Hand Massage on Comfort of Nursing Home Residents. *Geriatric Nursing*, 27(2), 85–91.
- Kolcaba, K. (2003). *Comfort theory and practice: A vision for holistic health care and research*. New York: Springer Publishing Co.
- Kolcaba, K. & Fox, C. (1999). *The ef-*

- fects of guided imagery on comfort of women with early-stage breast cancer going through radiation therapy. *Oncology Nursing Forum*, 26(1), 67–71.
- Kolcaba, K. (1992). The concept of comfort in an environmental framework. *Journal of Gerontological Nursing*, 18(6), 33–38.
- Minden P. (2005). The importance of words: Suggesting comfort rather than pain. *Holistic nursing practice* 19(6), 267–271.
- Schoener, C. (1996). The comfort and discomfort of infertility. *JOGNN*, 25(2), 167–172.
- Taylor, B (1992). Relieving pain through ordinariness in nursing: a phenomenological account of a comforting nurse-patient encounter. *Advances in Nursing Science*, 15(1), 33–43.
- Wilson, L. (2002). An investigation of the relationships of perceived nurse caring, social support and emotion-focused coping to comfort in hospitalized medical patients. *Dissertation Abstracts International*, (UMI No. AA13043623).
- Walker, A. (2002). Safety and comfort work of nurses glimpsed through patient narratives. *International Journal of Nursing Practice*, 8(1), 42–48.

Readiness for enhanced comfort (00183)

- Arruda, E., Larson, P., & Meleis, A. (1992). Immigrant Hispanic cancer patients' views. *Cancer Nursing*, 15(6), 387–395.
- Cameron, B.L. (1993). The nature of comfort to hospitalized medical surgical patients. *Journal of Advanced Nursing*, 18(3), 424–436.
- Duggleby, W. & Berry, P. (2005). Transitions in shifting goals of care for palliative patients and their families. *Clinical Journal of Oncology Nursing*, 9(4), 425–428.
- Gropper, E.I. (1992). Promoting health by promoting comfort. *Nursing Forum*, 27(2), 5–8.
- Jenny, J. & Logan, J. (1996). Caring and comfort metaphors used by patients in critical care. *Image: Journal of Nursing Scholarship*, 28(4), 349–352.
- Kolcaba, K. (1991). A taxonomic structure for the concept comfort. *Image: Journal of Nursing Scholarship*, 23(4), 237–240.
- Kolcaba, K. (1992). Holistic comfort: Operationalizing the construct as a nurse-sensitive outcome. *Advances in Nursing Science*, 15(1), 1–10.
- Kolcaba, K. (1994). A theory of holistic comfort for nursing. *Journal of Advanced Nursing*, 19(6), 1178–1184.
- Kolcaba, K. & Kolcaba, R. (1991). An analysis of the concept of comfort. *Journal of Advanced Nursing*, 16(11), 1301–1310.
- Malinowski, A. & Stamler, L.L. (2002). Comfort: Exploration of the concept in nursing. *Journal of Advanced Nursing*, 39(6), 599–606.
- Morse, J.M. (2000). On comfort and comforting. *American Journal of Nursing*, 100(9), 34–38.
- Morse, J.M., Botoroff, J.L., & Hutchinson, S. (1994). The phenomenology of comfort. *Journal of Advanced Nursing*, 20(1), 189–195.
- Mitchell, G.J. & Pilkington, F.B. (2000). Comfort-discomfort with ambiguity: Flight and freedom in nursing practice. *Nursing Science Quarterly*, 13(1), 31–36.

12.3 Class 3. Social comfort

Impaired comfort (00214)

- Cameron, B.L. (1993). The nature of comfort to hospitalized medical surgical patients. *Journal of Advanced Nursing*, 18(3), 424–436.
- Honkus, V. (2003). Sleep deprivation in critical care units. *Critical Care Nursing Quarterly*, 26(3), 179–189.

- Jenny, J. & Logan, J. (1996). Caring and comfort Metaphors used by patients in critical care. *Image: Journal of Nursing Scholarship*, 28(4), 349–352.
- Kolcaba, K., Schirm, V. & Steiner, R. (2006). Effects of Hand Massage on Comfort of Nursing Home Residents. *Geriatric Nursing*, 27(2), 85–91.
- Kolcaba, K. (2003). Comfort theory and practice: A vision for holistic health care and research. New York: Springer Publishing Co.
- Kolcaba, K. & Fox, C. (1999). The effects of guided imagery on comfort of women with early-stage breast cancer going through radiation therapy. *Oncology Nursing Forum*, 26(1), 67–71.
- Kolcaba, K. (1992). The concept of comfort in an environmental framework. *Journal of Gerontological Nursing*, 18(6), 33–38.
- Minden P. (2005). The importance of words: Suggesting comfort rather than pain. *Holistic nursing practice* 19(6), 267–271.
- Schoener, C. (1996). The comfort and discomfort of infertility. *JOGNN*, 25(2), 167–172.
- Taylor, B (1992). Relieving pain through ordinariness in nursing: a phenomenological account of a comforting nurse-patient encounter. *Advances in Nursing Science*, 15(1), 33–43.
- Wilson, L. (2002). An investigation of the relationships of perceived nurse caring, social support and emotion-focused coping to comfort in hospitalized medical patients. Dissertation Abstracts International, (UMI No. AA13043623).
- Walker, A. (2002). Safety and comfort work of nurses glimpsed through patient narratives. *International Journal of Nursing Practice*, 8(1), 42–48.

Readiness for enhanced comfort (00183)

- Arruda, E., Larson, P., & Meleis, A. (1992). Immigrant Hispanic cancer patients' views. *Cancer Nursing*, 15(6), 387–395.
- Cameron, B.L. (1993). The nature of comfort to hospitalized medical surgical patients. *Journal of Advanced Nursing*, 18(3), 424–436.
- Duggleby, W. & Berry, P. (2005). Transitions in shifting goals of care for palliative patients and their families. *Clinical Journal of Oncology Nursing*, 9(4), 425–428.
- Gropper, E.I. (1992). Promoting health by promoting comfort. *Nursing Forum*, 27(2), 5–8.
- Jenny, J. & Logan, J. (1996). Caring and comfort metaphors used by patients in critical care. *Image: Journal of Nursing Scholarship*, 28(4), 349–352.
- Kolcaba, K. (1991). A taxonomic structure for the concept comfort. *Image: Journal of Nursing Scholarship*, 23(4), 237–240.
- Kolcaba, K. (1992). Holistic comfort: Operationalizing the construct as a nurse-sensitive outcome. *Advances in Nursing Science*, 15(1), 1–10.
- Kolcaba, K. (1994). A theory of holistic comfort for nursing. *Journal of Advanced Nursing*, 19(6), 1178–1184.
- Kolcaba, K. & Kolcaba, R. (1991). An analysis of the concept of comfort. *Journal of Advanced Nursing*, 16(11), 1301–1310.
- Malinowski, A. & Stamler, L.L. (2002). Comfort: Exploration of the concept in nursing. *Journal of Advanced Nursing*, 39(6), 599–606.
- Morse, J.M. (2000). On comfort and comforting. *American Journal of Nursing*, 100(9), 34–38.
- Morse, J.M., Botoroff, J.L., & Hutchinson, S. (1994). The phenomenology of comfort. *Journal of Advanced Nursing*, 20(1), 189–195.
- Mitchell, G.J. & Pilkington, F.B. (2000). Comfort-discomfort with ambiguity: Flight and freedom in nursing practice. *Nursing Science Quarterly*, 13(1), 31–36.

Risk for loneliness (00054)

- Leiderman, P.H. (1969). Loneliness: A psychodynamic interpretation. In: E.S. Scheidman, & M.J. Ortega (Eds.), *Aspects of depression: International psychiatry clinics*, Vol. 6. Boston: Little, Brown.
- Lien-Gieschen, T. (1993). Validation of social isolation related to maturational age: Elderly. *Nursing Diagnosis*, 4(1), 37–44.
- Warren, B.J. (1993). Explaining social isolation through concept analysis. *Archives of Psychiatric Nursing*, 7(5), 270–276.

Social isolation (00053)

- Adams KB, Sanders S, Auth EA. Loneliness and depression in independent living retirement communities: risk and resilience factors. *Aging Ment Health*. 2004;8(6):475–485. Doi:10.1080/13607860410001725054
- Alpass FM, Neville S. Loneliness, health and depression in older males. *Aging Ment Health*. 2003 May;7(3):212–6. doi:10.1080/1360786031000101193
- Cohen-Mansfield J, Hazan H, Lerman Y, Shalom V. Correlates and predictors of loneliness in older-adults: a review of quantitative results informed by qualitative insights. *Int Psychogeriatr*. 2016;28(4):557–576. Doi:10.1017/S1041610215001532
- Courtin E, Knapp M. Social isolation, loneliness and health in old age: a scoping review. *Health and Social Care in the Community* (2017) 25(3), 799–812.
- Drageset J, Espehaug B, Kirkevold M. The impact of depression and sense of coherence on emotional and social loneliness among nursing home residents without cognitive impairment – a questionnaire survey. *J Clin Nurs*. 2012 Apr;21(7–8):965–74. doi:10.1111/j.1365–2702.2011.03932.x. Epub 2012 Jan 18.
- Ge L, Yap CW, Ong R, Heng BH. Social isolation, loneliness and their relationships with depressive symptoms: A population-based study. *PLoS One*. 2017 Aug 23;12(8):e0182145.
- Hämmig O (2019) Correction: Health risks associated with social isolation in general and in young, middle and old age. *PLOS ONE* 14(8): e0222124. doi:10.1371/journal.pone.0222124
- Howat P., Iredell H., Grenade L., Nedwetzky A. & Collins J. (2004) Reducing social isolation amongst older people implications for health professionals. *Geriacton* 22(1), 13–20.
- Lien-Gieschen T. (1993) Validation of social isolation related to maturational age: elderly. *Nursing Diagnosis*. 4(1), 37–44.
- Liu H, Zhang M, Yang Q, Yu B. Gender differences in the influence of social isolation and loneliness on depressive symptoms in college students: a longitudinal study. *Soc Psychiatry Psychiatr Epidemiol*. 2019 May 21. doi:10.1007/s00127–019–01726–6. [Epub ahead of print]
- Nicholson Jr. N.R. (2009) N.R. (2009) Social isolation in older adults: an evolutionary concept analysis. *Journal of Advanced Nursing* 65(6), 1342–1352.
- Pantell, M., Rehkopf, D., Jutte, D., Syme, S. L., Balmes, J., & Adler, N. (2013). Social isolation: a predictor of mortality comparable to traditional clinical risk factors. *American journal of public health*, 103(11), 2056–2062. doi:10.2105/AJPH.2013.301261
- RW Smith et al., Social isolation in relation to vascular disease incidence and mortality among 325,000 UK women; a prospective cohort study. *J Epidemiol Community Health*, 2018

- Shankar A, McMunn A, Demakakos P, Hamer M, Steptoe A. Social isolation and loneliness: Prospective associations with functional status in older adults. *Health Psychol.* 2017;36(2):179–187. Doi:10.1037/hea0000437
- R.S. Tilvis, P. Routasalo, H. Karppinen, T.E. Strandberg, H. Kautiainen, K.H. Pitkala. Social isolation, social activity and loneliness as survival indicators in old age; a nationwide survey with a 7-year follow-up, *European Geriatric Medicine*, Volume 3, Issue 1, 2012, Pages 18–22, ISSN 1878–7649, doi:10.1016/j.eurger.2011.08.004.
- Stewart M, Makwarimba E, Reutter LI, Veenstra G, Raphael D, Love R. Poverty, Sense of Belonging and Experiences of Social Isolation. *Journal of Poverty* 13(2):173–195
- Tanskanen, Jussi & Anttila, Timo. (2016). A Prospective Study of Social Isolation, Loneliness, and Mortality in Finland. *American journal of public health*. 106. E1-e7. 10.2105/AJPH.2016.303431.
- Witvliet M, Brendgen M, van Lier PA, Koot HM, Vitaro F. Early adolescent depressive symptoms: prediction from clique isolation, loneliness, and perceived social acceptance. *J Abnorm Child Psychol.* 2010;38(8):1045–1056. Doi:10.1007/s10802-010-9426-x

13 Domain 13. Growth/development

13.1 Class 1. Growth

This class does not currently contain any diagnoses

13.2 Class 2. Development

Delayed child development (00314)

- Als, H., Duffy, F.H., McAnulty, G.B., Fischer, C.B., Kosta, S., Butler, S.C., Parad, R.B., Blickman, J.G., Zurakowski, D. & Ringer, S.A. (2011). Is the (NIDCAP) effective for preterm infants with intrauterine growth restriction. *Journal of Perinatology*, 31 (2), 130–6.
- Belsky, J. & de Haan, M. (2011). Annual research review: parenting and children's brain development - The end of the beginning. *Journal of Child Psychology and Psychiatry*, 52 (4), 409–28.
- Blackman, J.A., Gurka, M.J., Gurka, K.K. & Oliver, M.N.J. (2011). Emotional, developmental and behavioural co-morbidities of children with chronic health conditions. *Paediatr Child Health*, 47 (10), 742–7.
- Bradley, R.H., McKelvey, L.M. & Whiteside-Mansell, L. (2011). Does the quality of stimulation and support in the home environment moderate the effect of early education programs? *Child Development*, 82 (6), 2110–22.
- Brito, C.M.L.; Vieira, G.O.; Costa, M.C.O; Oliveira, N.F. (2011). Neuropsychomotor development: the Denver scale for screening cognitive and neuromotor delays in preschoolers. *Cad. Saúde Pública*, 27 (7), 1403–14.
- Cohen, M.J., Meador, K.J., Browning, N., Baker, G.A., Clayton-Smith, J., Kalayjian, L. A., Kanner, A., Liporace, J.D., Pennell, P.B., Privitera, M. & Loring, D.W. (2011). Fetal antiepileptic drug exposure: Motor, adaptive, and emotional/behavioral functioning at age 3years. *Epilepsy and Behavior*, 22 (2), 240–6.
- Cohen, N.J. & Farnia, F. (2011). Social-emotional adjustment and attachment in children adopted from china: Processes and predictors of change. *International Journal of Behavioral Development*, 35 (1), 67–77.
- Collings, S. & Llewellyn, G. (2012). Children of parents with intellectual disability: Facing poor outcomes or faring okay? *Journal of Intellectual and Developmental Disability*, 37 (1), 65–82.
- Fazzi, E., Signorini, S.G., Bomba, M., Luparia, A., Lanners, J. & Balottin, U. (2011). Reach on sound: A key to object permanence in visually impaired children. *Early Human Development*, 87 (4), 289–96.
- Gompels, U.A, Larke, N., Sanz-Ramos, M., Bates, M., Musonda, K. & Manno D., Siammo, J., Monze, M. & Filteau, S. (2012). Human cytomegalovirus infant infection adversely affects growth and development in maternally HIV-exposed and unexposed infants in Zambia. *Clinical Infectious Diseases*, 54 (3), 434–42.
- Guxens, M. Aguilera, I., Ballester, F, Estarlich, M., Fernandez-Somoano, A., Lertxundi, A., Lertxund, N., Mendes, M.A., Tardon, A., Vrijheid, M. & Sunyer, J. (2012). Prenatal exposure to residential air pollution and infant mental development. *Environmental Health Perspectives*, 120 (1), 144–9.

- Hillemeier, M.M., Morgan, P.L., Farkas, G. & Maczuga, S.A. (2011). Perinatal and socio-economic risk factors for variable and persistent cognitive delay at 24 and 48 months of age in a national sample. *Matern Child Health*, 15 (7), 1001-10.
- Mensah, F.K. & Kiernan, K.E. (2011). Maternal general health and children's cognitive development and behaviour in the early years. *Child: Care, Health and Development*, 37 (1), 44-54.
- Meunier, J.C., Wade, M. & Jenkins, J.M. (2012). Mothers' differential parenting and children's behavioural outcomes. *Infant and Child Development*, 21 (1), 107-33.
- Minnes, S., Lang, A. & Singer, L. (2011). Prenatal tobacco, marijuana, stimulant, and opiate exposure: outcomes and practice implications. *Addiction science & clinical practice*, 6 (1), 57-70.
- Nash, A., Dunn, M., Asztalos, E., Corey, M., Mulvihill-Jory, B. & O'Connor, D.L. (2011). Pattern of growth of very low birth weight preterm infants, assessed using the WHO growth standards, is associated with neurodevelopment. *Applied Physiology, Nutrition and Metabolism*, 36 (4), 562- 9.
- Souza, J.M. & Verissimo MLOR. (2015). Child development: analysis of a new concept. *Rev. Latino-Am Enfermagem*, 23 (6), 1097-104.
- Souza, J.M. & Veríssimo, M.L.O.R. (2013). Child Development in the NANDA-I and International Classification for Nursing Practices Nursing Classifications. *International Journal of Nursing Knowledge*, 24, 44-48.
- Souza, J. M. de, Verissimo, M. D. L. Ó R., & Cruz, D. A. L. M. da. (2018). Content analysis of nursing diagnoses about child development. *Revista Eletrônica De Enfermagem*, 20. doi:10.5216/ree.v20.45041
- Sun, Q., Chen, Y.L., Yu, Z.B., Han, S.P., Dong, X.Y., Qiu, Y.F, Sha, L. & Guo, X.R. (2012). Long-term consequences of the early treatment of children with congenital hypothyroidism detected by neonatal screening in Nanjing, China: A 12-year follow-up study. *Journal of Tropical Pediatrics*, 58 (1), 79-80.
- Tudella, E., Pereira, K., Basso, R.P., & Savelsbergh, G.J.P. (2011). Description of the motor development of 3-12 month old infants with Down syndrome: The influence of the postural body position. *Research in Developmental Disabilities*, 32 (5), 1514-20.

Risk for delayed child development (00305)

- Als, H., Duffy, F.H., McAnulty, G.B., Fischer, C.B., Kosta, S., Butler, S.C., Parad, R.B., Blickman, J.G., Zurakowski, D. & Ringer, S.A. (2011). Is the (NIDCAP) effective for preterm infants with intrauterine growth restriction. *Journal of Perinatology*, 31 (2), 130-6.
- Belsky, J. & de Haan, M. (2011). Annual research review: parenting and children's brain development - The end of the beginning. *Journal of Child Psychology and Psychiatry*, 52 (4), 409-28.
- Blackman, J.A., Gurka, M.J., Gurka, K.K. & Oliver, M.N.J. (2011). Emotional, developmental and behavioural co-morbidities of children with chronic health conditions. *Paediatr Child Health*, 47 (10), 742-7.
- Bradley, R.H., McKelvey, L.M. & Whiteside-Mansell, L. (2011). Does the quality of stimulation and support in the home environment moderate the effect of early education programs? *Child Development*, 82 (6), 2110-22.
- Brito, C.M.L.; Vieira, G.O.; Costa, M.C.O; Oliveira, N.F. (2011). Neuropsychomotor development: the Denver scale for screening cognitive and neuromotor delays in preschoolers. *Cad. Saúde Pública*, 27 (7), 1403-14.

- Cohen, M.J., Meador, K.J., Browning, N., Baker, G.A., Clayton-Smith, J., Kalayjian, L. A., Kanner, A., Liporace, J.D., Pennell, P.B., Privitera, M. & Loring, D.W. (2011). Fetal antiepileptic drug exposure: Motor, adaptive, and emotional/behavioral functioning at age 3years. *Epilepsy and Behavior*, 22 (2), 240–6.
- Cohen, N.J. & Farnia, F. (2011). Social-emotional adjustment and attachment in children adopted from china: Processes and predictors of change. *International Journal of Behavioral Development*, 35 (1), 67–77.
- Collings, S. & Llewellyn, G. (2012). Children of parents with intellectual disability: Facing poor outcomes or faring okay? *Journal of Intellectual and Developmental Disability*, 37 (1), 65–82.
- Fazzi, E., Signorini, S.G., Bomba, M., Luparia, A., Lanners, J. & Balottin, U. (2011). Reach on sound: A key to object permanence in visually impaired children. *Early Human Development*, 87 (4), 289–96.
- Gompels, U.A, Larke, N., Sanz-Ramos, M., Bates, M., Musonda, K. & Manno D., Siammo, J., Monze, M. & Filteau, S. (2012). Human cytomegalovirus infant infection adversely affects growth and development in maternally HIV-exposed and unexposed infants in Zambia. *Clinical Infectious Diseases*, 54 (3), 434–42.
- Guxens, M. Aguilera, I., Ballester, F, Estarlich, M., Fernandez-Somoano, A., Lertxundi, A., Lertxund, N., Mendes, M.A., Tardon, A., Vrijheid, M. & Sunyer, J. (2012). Prenatal exposure to residential air pollution and infant mental development. *Environmental Health Perspectives*, 120 (1), 144–9.
- Hillemeier, M.M., Morgan, P.L., Farkas, G. & Maczuga, S.A. (2011). Perinatal and socioeconomic risk factors for variable and persistent cognitive delay at 24 and 48 months of age in a national sample. *Matern Child Health*, 15 (7), 1001-10.
- Mensah, F.K. & Kiernan, K.E. (2011). Maternal general health and children's cognitive development and behaviour in the early years. *Child: Care, Health and Development*, 37 (1), 44–54.
- Meunier, J.C., Wade, M. & Jenkins, J.M. (2012). Mothers' differential parenting and children's behavioural outcomes. *Infant and Child Development*, 21 (1), 107–33.
- Minnes, S., Lang, A. & Singer, L. (2011). Prenatal tobacco, marijuana, stimulant, and opiate exposure: outcomes and practice implications. *Addiction science & clinical practice*, 6 (1), 57–70.
- Nash, A., Dunn, M., Asztalos, E., Corey, M., Mulvihill-Jory, B. & O'Connor, D.L. (2011). Pattern of growth of very low birth weight preterm infants, assessed using the WHO growth standards, is associated with neurodevelopment. *Applied Physiology, Nutrition and Metabolism*, 36 (4), 562- 9.
- Souza, J.M. & Veríssimo MLOR. (2015). Child development: analysis of a new concept. *Rev. Latino-Am Enfermagem*, 23 (6), 1097–104.
- Souza, J.M. & Veríssimo, M.L.O.R. (2013). Child Development in the NANDA-I and International Classification for Nursing Practices Nursing Classifications. *International Journal of Nursing Knowledge*, 24, 44–48.
- Souza, J. M. de, Veríssimo, M. D. L. Ó R., & Cruz, D. A. L. M. da. (2018). Content analysis of nursing diagnoses about child development. *Revista Eletrônica De Enfermagem*, 20. doi:10.5216/ree.v20.45041
- Sun, Q., Chen, Y.L., Yu, Z.B., Han, S.P., Dong, X.Y., Qiu, Y.F, Sha, L. & Guo, X.R. (2012). Long-term consequences of the early treatment of children with congenital hypothyroidism detected by neonatal screening in Nanjing, China: A 12-year follow-up study. *Journal of Tropical Pediatrics*, 58 (1), 79–80.

Tudella, E., Pereira, K., Basso, R.P., & Savelsbergh, G.J.P. (2011). Description of the motor development of 3–12 month old infants with Down syndrome: The influence of the postural body position. *Research in Developmental Disabilities*, 32 (5), 1514–20.

Delayed infant motor development (00315)

Boswell, L., Wecj, M., Fjørtoft, T., Støen, R., Adde, L., & Deregnier, R. (2015). The impact of prolonged hospitalization on infant motor development compared with healthy controls. *Developmental Medicine & Child Neurology*, 57, 79–80.

Cabral, T., Pereira da Silva, L., Tudella, E., & Simões Martinez, C. (2015). Motor development and sensory processing: A comparative study between preterm and term infants. *Research in Developmental Disabilities*, 36, 102–107.

Celik, Halil Ibrahim, Elbasan, Bulent, Gucuyener, Kivilcim, Kayihan, Hulya, & Huri, Meral. (2018). Investigation of the Relationship Between Sensory Processing and Motor Development in Preterm Infants. *AJOT: American Journal of Occupational Therapy*, 72(1), 7201195020p1–7201195020p7.

Chiang, Yi-Chen, Lin, Dai-Chan, Lee, Chun-Yang, & Lee, Meng-Chih. (2015). Effects of parenting role and parent–child interaction on infant motor development in Taiwan Birth Cohort Study. *Early Human Development*, 91(4), 259–264.

Doralp, S., & Bartlett, D. (2014). Infant Movement Motivation Questionnaire: Development of a measure evaluating infant characteristics relating to motor development in the first year of life. *Infant Behavior and Development*, 37(3), 326–333.

Galbally, M., Spigset, O., Johnson, A., Kohan, R., Lappas, M., & Lewis, A. (2017). Neonatal adaptation following intrauterine antidepressant exposure: Assessment, drug assay levels, and infant development outcomes. *Pediatric Research*, 82(5), 806–813.

Glass, T., Chau, V., Grunau, R., Synnes, A., Guo, T., Duerden, E., .. Miller, S. (2018). Multiple Postnatal Infections in Newborns Born Preterm Predict Delayed Maturation of Motor Pathways at Term-Equivalent Age with Poorer Motor Outcomes at 3 Years. *The Journal of Pediatrics*, 196, 91–97.e1.

Grove, K., Lewis, A., & Galbally, M. (2018). Prenatal Antidepressant Exposure and Child Motor Development: A Meta-analysis. *Pediatrics*, 142(1), *Pediatrics*, July 2018, Vol.142(1).

Lee, Eun-Ju, & Lee, Sang-Yeol. (2018). The effects of early-stage neurodevelopmental treatment on the growth of premature infants in neonatal intensive care unit. *Journal of Exercise Rehabilitation*, 14(3), 523–529.

Mazze, N., Cory, Gardner, Alexanian-Farr, Mutch, Marcus, .. Van Den Heuvel. (2019). Biopsychosocial Factors in Children Referred With Failure to Thrive: Modern Characterization for Multidisciplinary Care. *Global Pediatric Health*, 6, 2333794X19858526.

Müller, A.B., Pufal, E.C., Bandeira, P.F.R., & Valentini, N.C. (2018). Motor development in the hospitalized infant and its biological and environmental characteristics. *Clinical and Biomedical Research*, 38(1), 66–73.

Nasreen, H., Nahar Kabir, Z., Forsell, Y., & Edhborg, M. (2013). Impact of maternal depressive symptoms and infant temperament on early infant growth and motor development: Results from a population based study in Bangladesh. *Journal of Affective Disorders*, 146(2), 254–261.

Neelon, B., Shoaibi, A., & Benjamin-Neelon, S. (2019). A multivariate discrete failure time model for the analysis of infant motor development. *Statistics in Medicine*, 38 (9), 1543–1557.

- Saccani, R., Valentini, N., Pereira, K., Müller, A., & Gabbard, C. (2013). Associations of biological factors and affordances in the home with infant motor development. *Pediatrics International*, 55(2), 197–203.
- Tran, T D, Tran, T, Simpson, J A, Tran, H T, Nguyen, T T, Hanieh, S., .. Fisher, J. (2014). Infant motor development in rural Vietnam and intrauterine exposures to anaemia, iron deficiency and common mental disorders: A prospective community-based study. *BMC Pregnancy and Childbirth*, 14(1), 8.
- Watson, L. (2017). Neonatal Abstinence Syndrome: Inpatient and Outpatient Diagnosis. *The Journal for Nurse Practitioners*, 13(7), E355-E356.
- Valla, L., Birkeland, M., Hofoss, D., & Slinning, K. (2017). Developmental pathways in infants from 4 to 24 months. *Child: Care, Health and Development*, 43(4), 546–555.
- Wylie, A., Sundaram, R., Kus, C., Ghassabian, A., & Yeung, E. (2015). Maternal pre-pregnancy obesity and achievement of infant motor developmental milestones in the upstate KIDS study. *Obesity (Silver Spring, Md.)*, 23(4), 907–913.

Risk for delayed infant motor development (00316)

- Boswell, L., Weck, M., Fjørtoft, T., Støen, R., Adde, L., & Deregnier, R. (2015). The impact of prolonged hospitalization on infant motor development compared with healthy controls. *Developmental Medicine & Child Neurology*, 57, 79–80.
- Cabral, T., Pereira da Silva, L., Tudella, E., & Simões Martinez, C. (2015). Motor development and sensory processing: A comparative study between preterm and term infants. *Research in Developmental Disabilities*, 36, 102–107.
- Celik, Halil Ibrahim, Elbasan, Bulent, Gucuyener, Kivilcim, Kayihan, Hulya, & Huri, Meral. (2018). Investigation of the Relationship Between Sensory Processing and Motor Development in Preterm Infants. *AJOT: American Journal of Occupational Therapy*, 72(1), 7201195020p1–7201195020p7.
- Chiang, Yi-Chen, Lin, Dai-Chan, Lee, Chun-Yang, & Lee, Meng-Chih. (2015). Effects of parenting role and parent–child interaction on infant motor development in Taiwan Birth Cohort Study. *Early Human Development*, 91(4), 259–264.
- Doralp, S., & Bartlett, D. (2014). Infant Movement Motivation Questionnaire: Development of a measure evaluating infant characteristics relating to motor development in the first year of life. *Infant Behavior and Development*, 37(3), 326–333.
- Galbally, M., Spigset, O., Johnson, A., Kohan, R., Lappas, M., & Lewis, A. (2017). Neonatal adaptation following intrauterine antidepressant exposure: Assessment, drug assay levels, and infant development outcomes. *Pediatric Research*, 82(5), 806–813.
- Glass, T., Chau, V., Grunau, R., Synnes, A., Guo, T., Duerden, E., .. Miller, S. (2018). Multiple Postnatal Infections in Newborns Born Preterm Predict Delayed Maturation of Motor Pathways at Term-Equivalent Age with Poorer Motor Outcomes at 3 Years. *The Journal of Pediatrics*, 196, 91–97.e1.
- Grove, K., Lewis, A., & Galbally, M. (2018). Prenatal Antidepressant Exposure and Child Motor Development: A Meta-analysis. *Pediatrics*, 142(1), Pediatrics, July 2018, Vol.142(1).
- Lee, Eun-Ju, & Lee, Sang-Yeol. (2018). The effects of early-stage neurodevelopmental treatment on the growth of premature infants in neonatal intensive care unit. *Journal of Exercise Rehabilitation*, 14(3), 523–529.
- Mazze, N., Cory, Gardner, Alexanian-Farr, Mutch, Marcus., .. Van Den Heuvel. (2019). Biopsychosocial Factors in Children Referred With Failure to Thrive: Modern Characterization for Multidisciplinary Care. *Global Pediatric Health*, 6, 2333794X19858526.

- Müller, A.B., Pufal, E.C., Bandeira, P.F.R., & Valentini, N.C. (2018). Motor development in the hospitalized infant and its biological and environmental characteristics. *Clinical and Biomedical Research*, 38(1), 66–73.
- Nasreen, H., Nahar Kabir, Z., Forsell, Y., & Edhborg, M. (2013). Impact of maternal depressive symptoms and infant temperament on early infant growth and motor development: Results from a population based study in Bangladesh. *Journal of Affective Disorders*, 146(2), 254–261.
- Neelon, B., Shoaibi, A., & Benjamin-Neelon, S. (2019). A multivariate discrete failure time model for the analysis of infant motor development. *Statistics in Medicine*, 38(9), 1543–1557.
- Saccani, R., Valentini, N., Pereira, K., Müller, A., & Gabbard, C. (2013). Associations of biological factors and affordances in the home with infant motor development. *Pediatrics International*, 55(2), 197–203.
- Tran, Thach D, Tran, Tuan, Simpson, Julie A, Tran, Ha T, Nguyen, Trang T, Hanieh, Sarah, .. Fisher, Jane. (2014). Infant motor development in rural Vietnam and intra-uterine exposures to anaemia, iron deficiency and common mental disorders: A prospective community-based study. *BMC Pregnancy and Childbirth*, 14(1), 8.
- Watson, L. (2017). Neonatal Abstinence Syndrome: Inpatient and Outpatient Diagnosis. *The Journal for Nurse Practitioners*, 13(7), E355-E356.
- Valla, L., Birkeland, M., Hofoss, D., & Slinning, K. (2017). Developmental pathways in infants from 4 to 24 months. *Child: Care, Health and Development*, 43(4), 546–555.
- Wylie, A., Sundaram, R., Kus, C., Ghassabian, A., & Yeung, E. (2015). Maternal pre-pregnancy obesity and achievement of infant motor developmental milestones in the upstate KIDS study. *Obesity (Silver Spring, Md.)*, 23(4), 907–913.