

5th Annual ICU Rehab Literature List

1. [A Tactic to Cut I.C.U. Trauma: Get Patients Up](#). *The New York Times* [Internet]
2. Aarons GA, Fettes DL, Sommerfeld DH, Palinkas LA. [Mixed methods for implementation research: application to evidence-based practice implementation and staff turnover in community-based organizations providing child welfare services](#). PMC3841106. *Child Maltreat* 2012;17(1):67-79.
3. Abdulsatar F, Walker RG, Timmons BW, Choong K. [Wii-Hab in critically ill children: a pilot trial](#). *Journal of Pediatric Rehabilitation Medicine* 2013;6(4):193-204.
4. Aboumatar HJ, Blackledge CG, Dickson C, Heitmiller E, Freischlag J, Pronovost PJ. [A descriptive study of morbidity and mortality conferences and their conformity to medical incident analysis models: results of the morbidity and mortality conference improvement study, phase 1](#). *American Journal of Medical Quality* 2007;22(4):232-238.
5. Adelson PD, Bratton SL, Carney NA, Chesnut RM, du Coudray H,E.M., Goldstein B, Kochanek PM, Miller HC, Partington MD, Selden NR, Warden CR, Wright DW, American Association for Surgery of Trauma, Child NS, International Society for PN, International Trauma Anesthesia and Critical Care Society, Society of Critical CM, World Federation of Pediatric Intensive and Critical Care Societies. [Guidelines for the acute medical management of severe traumatic brain injury in infants, children, and adolescents. Chapter 7. Intracranial pressure monitoring technology](#). *Pediatric Critical Care Medicine* 2003;4(3):S28-30.
6. Adler J, Malone D. [Early mobilization in the intensive care unit: a systematic review](#). PMC3286494. *Cardiopulmonary Physical Therapy Journal* 2012;23(1):5-13.
7. Akcan E, Yigit R, Atici A. [The effect of kangaroo care on pain in premature infants during invasive procedures](#). *Turk J Pediatr* 2009;51(1):14-18.
8. Albin A. [Lung transplant recipient defies all odds: new approach to oxygenation helps patient live long enough for surgery](#). *UCLA Newsroom* 2012. [Internet]
9. Alloju SM, Herndon DN, McEntire SJ, Suman OE. [Assessment of muscle function in severely burned children](#). *Burns* 2008;34(4):452-459.
10. Al-Mousawi A, Mecott-Rivera G, Jeschke MG, Herndon DN. [Burn teams and burn centers: the importance of a comprehensive team approach to burn care](#). PMC2801053. *Clin Plast Surg* 2009;36(4):547-554.
11. Al-Mousawi A, Williams FN, Micak RP, Jeschke MG, Herndon DN, Suman OE. [Effects of exercise training on resting energy expenditure and lean mass during pediatric burn rehabilitation](#). PMC3856323. *Journal of Burn Care and Research* 2010;31(3):400-408.
12. Al-Qadheeb N, Skrobik Y, Schumaker G, Pacheco MN, Roberts RJ, Ruthazer RR, Devlin JW. [Preventing ICU Subsyndromal Delirium Conversion to Delirium With Low-Dose IV Haloperidol: A Double-Blind, Placebo-Controlled Pilot Study](#). PMC4779647. *Crit Care Med* 2016;44(3):583-591.

13. Alvarez E,A., Garrido MA, Tobar EA, Prieto SA, Vergara SO, Briceno C,D., González F,J. [Occupational therapy for delirium management in elderly patients without mechanical ventilation in an intensive care unit: A pilot randomized clinical trial](#). *J Crit Care* 2016;37:85-90.
14. American Occupational Therapy Association. Special Interest Topic 08. [The Role of Occupation Therapy With Clients Hospitalized in Special Care Units](#). [Internet]
15. Anderson LM, Brownson RC, Fullilove MT, Teutsch SM, Novick LF, Fielding J, Land GH. [Evidence-based public health policy and practice: promises and limits](#). *Am J Prev Med* 2005;28(5):226-230.
16. Anderson V, Catroppa C, Morse S, Haritou F, Rosenfeld J. [Functional plasticity or vulnerability after early brain injury?](#) *Pediatrics* 2005;116(6):1374-1382.
17. Askim T, Bernhardt J, Salvesen O, Indredavik B. [Physical activity early after stroke and its association to functional outcome; 3 months later](#). *Journal of Stroke and Cerebrovascular Diseases* 2014;23(5):e305-12.
18. Aust MP, Bell L. [Implementing the ABCDE Bundle at the bedside – clinical toolkit](#). *American Association of Critical Care Nurses*. [Internet]
19. Azuh O, Gammon H, Burmeister C, Frega D, Nerenz D, DiGiovine B, Siddiqui A. [Benefits of early active mobility in the medical intensive care unit: a pilot study](#). *Am J Med* 2016;129(8):866-871.e1.
20. Badr LK, Abdallah B, Kahale L. [A meta-analysis of preterm infant massage: an ancient practice with contemporary applications](#). *MCN.The American Journal of Maternal Child Nursing* 2015;40(6):344-358.
21. Bailey P, Thomsen GE, Spuhler VJ, Blair R, Jewkes J, Bezdjian L, Veale K, Rodriguez L, Hopkins RO. [Early activity is feasible and safe in respiratory failure patients](#). *Crit Care Med* 2007;35(1):139-145.
22. Bailey P, Thomsen GE, Spuhler VJ, Blair R, Jewkes J, Bezdjian L, Veale K, Rodriguez L, Hopkins RO. [Early activity is feasible and safe in respiratory failure patients](#). *Crit Care Med* 2007;35(1):139-145.
23. Bailey PP, Miller RR, Clemmer TP. [Culture of early mobility in mechanically ventilated patients](#). *Crit Care Med* 2009;37(10):S429-35.
24. Baily MA, Bottrell M, Lynn J, Jennings B, Hastings Center. [The ethics of using QI methods to improve health care quality and safety](#). *Hastings Cent Rep* 2006;36(4):S1-40.
25. Baily MA. [Harming through protection?](#) *N Engl J Med* 2008;358(8):768-769.
26. Bakhru RN, Wiebe DJ, McWilliams DJ, Spuhler VJ, Schweickert WD. [An environmental scan for early mobilization practices in U.S. ICUs](#). *Crit Care Med* 2015;43(11):2360-2369.
27. Balas MC, Rice M, Chaperon C, Smith H, Disbot M, Fuchs B. [Management of delirium in critically ill older adults](#). *Crit Care Nurse* 2012;32(4):15-26.
28. Balestreri M, Czosnyka M, Chatfield DA, Steiner LA, Schmidt EA, Smielewski P, Matta B, Pickard JD. [Predictive value of Glasgow Coma Scale after brain trauma: change in trend over the past ten years](#). *PMC1757441. J Neurol Neurosurg Psychiatr* 2004;75(1):161-162.

29. Baley J, FETUS CO. [Skin-to-Skin Care for Term and Preterm Infants in the Neonatal ICU](#). *Pediatrics* 2015;136(3):596-599.
30. Barber EA, Everard T, Holland AE, Tipping C, Bradley SJ, Hodgson CL. [Barriers and facilitators to early mobilisation in Intensive Care: a qualitative study](#). *Aust Crit Care* 2015;28(4):177-82; quiz 183.
31. Bardach NS, Cabana MD. [The unintended consequences of quality improvement](#). PMC3861327. *Curr Opin Pediatr* 2009;21(6):777-782.
32. Barr J, Fraser GL, Puntillo K, Ely EW, Gelinas C, Dasta JF, Davidson JE, Devlin JW, Kress JP, Joffe AM, Coursin DB, Herr DL, Tung A, Robinson BRH, Fontaine DK, Ramsay MA, Riker RR, Sessler CN, Pun B, Skrobik Y, Jaeschke R, American College of Critical Care Medicine. [Clinical practice guidelines for the management of pain, agitation, and delirium in adult patients in the intensive care unit](#). *Crit Care Med* 2013;41(1):263-306.
33. Barr J, Fraser GL, Puntillo K, Ely EW, Gelinas C, Dasta JF, Davidson JE, Devlin JW, Kress JP, Joffe AM, Coursin DB, Herr DL, Tung A, Robinson BRH, Fontaine DK, Ramsay MA, Riker RR, Sessler CN, Pun B, Skrobik Y, Jaeschke R, American College of Critical,Care Medicine. [Clinical practice guidelines for the management of pain, agitation, and delirium in adult patients in the Intensive Care Unit: executive summary](#). *American Journal of Health-System Pharmacy* 2013;70(1):53-58.
34. Bartlett G, Blais R, Tamblyn R, Clermont RJ, MacGibbon B. [Impact of patient communication problems on the risk of preventable adverse events in acute care settings](#). PMC2396356. *Can Med Assoc J* 2008;178(12):1555-1562.
35. Bassett RD, Vollman KM, Brandwene L, Murray T. [Integrating a multidisciplinary mobility programme into intensive care practice \(IMMPTP\): a multicentre collaborative](#). *Intensive and Critical Care Nursing* 2012;28(2):88-97.
36. Bennett TD, Niedzwecki CM, Korgenski EK, Bratton SL. [Initiation of physical, occupational, and speech therapy in children with traumatic brain injury](#). PMC4550591. *Arch Phys Med Rehabil* 2013;94(7):1268-1276.
37. Bennett TD, Riva-Cambrin J, Keenan HT, Korgenski EK, Bratton SL. [Variation in intracranial pressure monitoring and outcomes in pediatric traumatic brain injury](#). PMC4547349. *Arch Pediatr Adolesc Med* 2012;166(7):641-647.
38. Bentley TGK, Effros RM, Palar K, Keeler EB. [Waste in the U.S. Health care system: a conceptual framework](#). PMC2690367. *Milbank Q* 2008;86(4):629-659.
39. Berg HE, Larsson L, Tesch PA. [Lower limb skeletal muscle function after 6 wk of bed rest](#). *J Appl Physiol* 1997;82(1):182-188.
40. Berney SC, Harrold M, Webb SA, Seppelt I, Patman S, Thomas PJ, Denehy L. [Intensive care unit mobility practices in Australia and New Zealand: a point prevalence study](#). *Critical Care and Resuscitation* 2013;15(4):260-265.
41. Berning JN, Poor AD, Buckley SM, Patel KR, Lederer DJ, Goldstein NE, Brodie D, Baldwin MR. [A novel picture guide to improve spiritual care and reduce anxiety in mechanically ventilated](#)

- [adults in the intensive care unit](#). PMC5021077. *Annals of the American Thoracic Society* 2016;13(8):1333-1342.
42. Bettany C. [Occupational therapy intervention using 'patient diaries' to evaluate early symptoms of posttraumatic stress disorder in patients following admission to intensive care](#). *British Journal of Occupational Therapy* 2015;78(2):89-90.
 43. Bisnaire D, Robinson L. [Accuracy of levelling intraventricular collection drainage systems](#). *The Journal of Neuroscience Nursing* 1997;29(4):261-268.
 44. Bissett B, Green M, Marzano V, Byrne S, Leditschke IA, Neeman T, Boots R, Paratz J. [Reliability and utility of the Acute Care Index of Function in intensive care patients: An observational study](#). *Heart and Lung* 2016;45(1):10-14.
 45. Blackstone S, Pressman H. [Effective Communication in Children's Hospitals: A Handbook of Resources for Parents, Patients, and Practitioners](#). [Internet]
 46. Blair SN, Kohl HW, Paffenbarger RS, Clark DG, Cooper KH, Gibbons LW. [Physical fitness and all-cause mortality. A prospective study of healthy men and women](#). *The Journal of the American Medical Association* 1989;262(17):2395-2401.
 47. Bolton CF, Young GB. [Managing the nervous system effects of sepsis](#). *Chest* 2007;131(5):1273-1274.
 48. Borgognoni L. [Biological effects of silicone gel sheeting](#). *Wound Repair and Regeneration* 2002;10(2):118-121.
 49. Bradley EH, Curry LA, Ramanadhan S, Rowe L, Nembhard IM, Krumholz HM. [Research in action: using positive deviance to improve quality of health care](#). PMC2690576. *Implementation Science* 2009;4:25.
 50. Bradley EH, Schlesinger M, Webster TR, Baker D, Inouye SK. [Translating research into clinical practice: making change happen](#). *J Am Geriatr Soc* 2004;52(11):1875-1882.
 51. Bradley EH, Webster TR, Baker D, Schlesinger M, Inouye SK, Barth MC, Lapane KL, Lipson D, Stone R, Koren MJ. [Translating research into practice: speeding the adoption of innovative health care programs](#). *Issue brief (Commonwealth Fund)* 2004(724):1-12.
 52. Bridges, W. [Managing Transitions: Making the Most of Change](#). Philadelphia, PA: Da Capo Lifelong, 2009.
 53. Brodsky MB, Gonzalez-Fernandez M, Mendez-Tellez P, Shanholtz C, Palmer JB, Needham DM. [Factors associated with swallowing assessment after oral endotracheal intubation and mechanical ventilation for acute lung injury](#). PMC4298980. *Annals of the American Thoracic Society* 2014;11(10):1545-1552.
 54. Brook RH. [Health policy and public trust](#). *The Journal of the American Medical Association* 2008;300(2):211-21
 55. Brotman DJ, Hoyer EH, Leung C, Lepley D, Deutschendorf A. [Associations between hospital-wide readmission rates and mortality measures at the hospital level: Are hospital-wide readmissions a measure of quality?](#) *Journal of Hospital Medicine* 2016;11(9):650-651.
 56. Brower RG. [Consequences of bed rest](#). *Crit Care Med* 2009;37(10):S422-8.

57. Brown C, Lilford R. [Evaluating service delivery interventions to enhance patient safety](#). *BMJ* 2008;337:a2764.
58. Brown CJ, Foley KT, Lowman JD, MacLennan PA, Razjouyan J, Najafi B, Locher J, Allman RM. [Comparison of posthospitalization function and community mobility in hospital mobility program and usual care patients: a randomized clinical trial](#). *JAMA Internal Medicine* 2016;176(7):921-927.
59. Brown CJ, Redden DT, Flood KL, Allman RM. [The underrecognized epidemic of low mobility during hospitalization of older adults](#). *J Am Geriatr Soc* 2009;57(9):1660-1665.
60. Brummel NE, Jackson JC, Girard TD, Pandharipande PP, Schiro E, Work B, Pun BT, Boehm L, Gill TM, Ely EW. [A combined early cognitive and physical rehabilitation program for people who are critically ill: the activity and cognitive therapy in the intensive care unit \(ACT-ICU\) trial](#). PMC3513484. *Phys Ther* 2012;92(12):1580-1592.
61. Bruno JJ, Warren ML. [Intensive care unit delirium](#). *Crit Care Nurs Clin North Am* 2010;22(2):161-178.
62. Cabana MD, Rand CS, Powe NR, Wu AW, Wilson MH, Abboud PA, Rubin HR. [Why don't physicians follow clinical practice guidelines? A framework for improvement](#). *The Journal of the American Medical Association* 1999;282(15):1458-1465.
63. Cahalin LP, Lapier TK, Shaw DK. [Sternal precautions: is it time for change? precautions versus restrictions - a review of literature and recommendations for revision](#). PMC3056839. *Cardiopulmonary physical therapy journal* 2011;22(1):5-15.
64. Callahan CM, Unverzagt FW, Hui SL, Perkins AJ, Hendrie HC. [Six-item screener to identify cognitive impairment among potential subjects for clinical research](#). *Med Care* 2002;40(9):771-781.
65. Cameron S, Ball I, Cepinskas G, Choong K, Doherty TJ, Ellis CG, Martin CM, Mele TS, Sharpe M, Shoemaker JK, Fraser DD. [Early mobilization in the critical care unit: A review of adult and pediatric literature](#). *J Crit Care* 2015;30(4):664-672.
66. Campbell JM, Brown RT, Cavanagh SE, Vess SF, Segall MJ. [Evidence-based assessment of cognitive functioning in pediatric psychology](#). PMC2639497. *J Pediatr Psychol* 2008;33(9):999-1014; discussion 1015.
67. Canadian Institutes of Health Research. [Knowledge Translation Strategy 2004-2009](#). [Internet]
68. Casarett D, Karlawish JH, Sugarman J. [Determining when quality improvement initiatives should be considered research: proposed criteria and potential implications](#). *The Journal of the American Medical Association* 2000;283(17):2275-2280.
69. Casey K, Cole TK, Regensburg AM, McElroy C. [Empowering patients: the use of eye gaze technology with medically complex patients in the ICU](#). Research poster 3885. *Archives of Physical Medicine and Rehabilitation* 2015;96(10):e85.

70. Celis MM, Suman OE, Huang TT, Yen P, Herndon DN. [Effect of a supervised exercise and physiotherapy program on surgical interventions in children with thermal injury](#). *J Burn Care Rehabil* 2003;24(1):57-61.
71. Chambers MA, Moylan JS, Reid MB. [Physical inactivity and muscle weakness in the critically ill](#). *Crit Care Med* 2009;37(10):S337-46.
72. Cheung AM, Tansey CM, Tomlinson G, Diaz-Granados N, Matt A, Barr A, Mehta S, Mazer CD, Guest CB, Stewart TE, Al-Saidi F, Cooper AB, Cook D, Slutsky AS, Herridge MS. [Two-year outcomes, health care use, and costs of survivors of acute respiratory distress syndrome](#). *American Journal of Respiratory and Critical Care Medicine* 2006;174(5):538-544.
73. Child Life Council. [Overview of Child Life Council](#). [Internet]
74. Choong K, Al-Harbi S, Siu K, Wong K, Cheng J, Baird B, Pogorzelski D, Timmons B, Gorter J, Thabane L, Khetani M, Canadian Critical Care TG. [Functional recovery following critical illness in children: the 'wee-cover' pilot study](#). PMC4499478. *Pediatric Critical Care Medicine* 2015;16(4):310-318.
75. Choong K, Duffett M, Cook DJ, Randolph AG. [The impact of clinical trials conducted by research networks in pediatric critical care](#). *Pediatric Critical Care Medicine* 2016;17(9):837-844.
76. Choong K, Foster G, Fraser DD, Hutchison JS, Joffe AR, Jouvett PA, Menon K, Pullenayegum E, Ward RE, Canadian Critical Care TG. [Acute rehabilitation practices in critically ill children: a multicenter study](#). *Pediatric Critical Care Medicine* 2014;15(6):e270-9.
77. Chung C, Chen C, Cheng P, See L, Tang SF, Wong AM. [Critical score of Glasgow Coma Scale for pediatric traumatic brain injury](#). *Pediatr Neurol* 2006;34(5):379-387.
78. Ciccone, CD. [Pharmacology in Rehabilitation](#). Philadelphia: F.A. Davis Co, 2007.
79. Ciesla N, Barbe C, Patel N, Mendez-Tellez PA, Dennison CR, Needham DM. [Physical therapy for the intensive care unit: implications based on evaluation of critical care management of 150 acute lung injury/acute respiratory distress syndrome patients](#). *Cardiopulmonary Physical Therapy Journal* 2006;17(4):142.
80. Clark DE, Lowman JD, Griffin RL, Matthews HM, Reiff DA. [Effectiveness of an early mobilization protocol in a trauma and burns intensive care unit: a retrospective cohort study](#). PMC3563027. *Phys Ther* 2013;93(2):186-196.
81. Clini E, Ambrosino N. [Early physiotherapy in the respiratory intensive care unit](#). *Respir Med* 2005;99(9):1096-1104.
82. Cole MG, McCusker J, Bellavance F, Primeau FJ, Bailey RF, Bonnycastle MJ, Laplante J. [Systematic detection and multidisciplinary care of delirium in older medical inpatients: a randomized trial](#). PMC126506. *Can Med Assoc J* 2002;167(7):753-759.
83. Cole MG, McCusker J, Elie M, Dendukuri N, Latimer E, Belzile E. [Systematic detection and multidisciplinary care of depression in older medical inpatients: a randomized trial](#). PMC1319344. *Can Med Assoc J* 2006;174(1):38-44.

84. Committee on Pediatric Emergency Medicine, American Academy of Pediatrics, Krug SE, Frush K. [Patient safety in the pediatric emergency care setting](#). *Pediatrics* 2007;120(6):1367-1375.
85. Connelly DM, Thomas BK, Cliffe SJ, Perry WM, Smith RE. [Clinical utility of the 2-minute walk test for older adults living in long-term care](#). PMC2792234. *Physiotherapy Canada* 2009;61(2):78-87.
86. Connolly B, MacBean V, Crowley C, Lunt A, Moxham J, Rafferty GF, Hart N. [Ultrasound for the assessment of peripheral skeletal muscle architecture in critical illness: a systematic review](#). *Crit Care Med* 2015;43(4):897-905.
87. Cosgrove D, Fisher M, Gabow P, Gottlieb G, Halvorson G, James B, Kaplan G, Perlin J, Petzel R, Steele G, Toussaint J. "A CEO Checklist for High Value Health Care." In [Best Care at Lower Cost: The Path to Continuously Learning Health Care in America](#). 2013. [Internet]
88. Cossu G. [Therapeutic options to enhance coma arousal after traumatic brain injury: state of the art of current treatments to improve coma recovery](#). *Br J Neurosurg* 2014;28(2):187-198.
89. Costello JM, Patak L, Pritchard J. [Communication vulnerable patients in the pediatric ICU: Enhancing care through augmentative and alternative communication](#). *Journal of Pediatric Rehabilitation Medicine* 2010;3(4):289-301.
90. Coughlin, M. [Transformative Nursing in the NICU: Trauma-informed and Age-Appropriate Care](#), 2014. [Internet]
91. Craig JW, Glick C, Phillips R, Hall SL, Smith J, Browne J. [Recommendations for involving the family in developmental care of the NICU baby](#). PMC4660048. *Journal of Perinatology* 2015;35 Suppl 1:S5-8.
92. Creswell, JW, and Clark VL. Plano. [Designing and Conducting Mixed Methods Research](#). Thousand Oaks, CA: SAGE Publications, 2007.
93. [Critical Care Recovery](#). The University of Edinburgh. [Internet]
94. Curley MAQ, Harris SK, Fraser KA, Johnson RA, Arnold JH. [State Behavioral Scale: a sedation assessment instrument for infants and young children supported on mechanical ventilation](#). PMC1626525. *Pediatric Critical Care Medicine* 2006;7(2):107-114.
95. Curley MAQ, Wypij D, Watson RS, Grant MJC, Asaro LA, Cheifetz IM, Dodson BL, Franck LS, Gedeit RG, Angus DC, Matthay MA, RESTORE Study Investigators and the Pediatric Acute Lung Injury and Sepsis, Investigators Network. [Protocolized sedation vs usual care in pediatric patients mechanically ventilated for acute respiratory failure: a randomized clinical trial](#). PMC4955566. *The Journal of the American Medical Association* 2015;313(4):379-389.
96. Curtis JR, Engelberg RA. [Measuring success of interventions to improve the quality of end-of-life care in the intensive care unit](#). *Crit Care Med* 2006;34(11):S341-7.
97. [Dallas Reading and Language Services](#). [Internet]
98. Daly E, Miles A, Scott S, Gillham M. [Finding the red flags: Swallowing difficulties after cardiac surgery in patients with prolonged intubation](#). *J Crit Care* 2016;31(1):119-124.

99. Damluji A, Zanni JM, Manthey E, Colantuoni E, Kho ME, Needham DM. [Safety and feasibility of femoral catheters during physical rehabilitation in the intensive care unit](#). *J Crit Care* 2013;28(4):535.e9-535.15.
100. Dammeyer JA, Baldwin N, Packard D, Harrington S, Christofferson B, Christopher J, Strachan CL, Iwashyna J. [Mobilizing outcomes: implementation of a nurse-led multidisciplinary mobility program](#). *Crit Care Nurs Q* 2013;36(1):109-119.
101. Davey RB. [The changing face of burn care: the Adelaide Children's Hospital Burn Unit: 1960-1996](#). *Burns* 1999;25(1):62-68.
102. Davidoff F, Batalden P, Stevens D, Ogrinc G, Mooney S, SQUIRE DG. [Publication guidelines for improvement studies in health care: evolution of the SQUIRE Project](#). *Ann Intern Med* 2008;149(9):670-676.
103. Davidoff F, Batalden P, Stevens D, Ogrinc G, Mooney S, Standards for Quality Improvement Reporting Excellence Development Group. [Publication guidelines for quality improvement studies in health care: evolution of the SQUIRE project](#). PMC2596523. *Journal of General Internal Medicine* 2008;23(12):2125-2130.
104. Davydow DS, Gifford JM, Desai SV, Needham DM, Bienvenu OJ. [Posttraumatic stress disorder in general intensive care unit survivors: a systematic review](#). PMC2572638. *Gen Hosp Psychiatry* 2008;30(5):421-434.
105. de Jonghe A, Korevaar JC, van Munster ,B.C., de Rooij ,S.E. [Effectiveness of melatonin treatment on circadian rhythm disturbances in dementia. Are there implications for delirium? A systematic review](#). *Int J Geriatr Psychiatry* 2010;25(12):1201-1208.
106. de Jonghe B, Sharshar T, Lefaucheur J, Authier F, Durand-Zaleski I, Boussarsar M, Cerf C, Renaud E, Mesrati F, Carlet J, Raphael J, Outin H, Bastuji-Garin S, Groupe de Reflexion et d'Etude des Neuromyopathies, en R. [Paresis acquired in the intensive care unit: a prospective multicenter study](#). *The Journal of the American Medical Association* 2002;288(22):2859-2867.
107. de Letter ,M.A., Schmitz PI, Visser LH, Verheul FA, Schellens RL, Op de Coul DA, van der Meche FG. [Risk factors for the development of polyneuropathy and myopathy in critically ill patients](#). *Crit Care Med* 2001;29(12):2281-2286.
108. de Morton N,A., Davidson M, Keating JL. [The de Morton Mobility Index \(DEMMI\): an essential health index for an ageing world](#). PMC2551589. *Health and Quality of Life Outcomes* 2008;6:63.
109. de Morton N,A., Meyer C, Moore KJ, Dow B, Jones C, Hill K. [Validation of the de Morton Mobility Index \(DEMMI\) with older community care recipients](#). *Australasian Journal on Ageing* 2011;30(4):220-225.
110. Dean E. [Mobilizing Patients in the ICU: Evidence and Principles of Practice](#). *Acute Care Perspectives* 2008;17(1).

111. Denehy L, de Morton N,A., Skinner EH, Edbrooke L, Haines K, Warrillow S, Berney S. [A physical function test for use in the intensive care unit: validity, responsiveness, and predictive utility of the physical function ICU test \(scored\)](#). *Phys Ther* 2013;93(12):1636-1645.
112. Dennison CR, Mendez-Tellez P, Wang W, Pronovost PJ, Needham DM. [Barriers to low tidal volume ventilation in acute respiratory distress syndrome: survey development, validation, and results](#). *Crit Care Med* 2007;35(12):2747-2754.
113. Desai SV, Boucher K, Fan E, Needham DM. [Long-term outcomes after acute lung injury](#). *Contemporary Critical Care*. 2006;4(5):1-10
114. DeTurk, William E, and Lawrence P. Cahalin. [Cardiovascular and Pulmonary Physical Therapy: An Evidence-Based Approach](#). New York: McGraw-Hill, Medical Pub. Division, 2004.
115. Devlin JW, Roberts RJ, Fong JJ, Skrobik Y, Riker RR, Hill NS, Robbins T, Garpestad E. [Efficacy and safety of quetiapine in critically ill patients with delirium: a prospective, multicenter, randomized, double-blind, placebo-controlled pilot study](#). *Crit Care Med* 2010;38(2):419-427.
116. Dewey WS, Richard RL, Parry IS. [Positioning, splinting, and contracture management](#). *Phys Med Rehabil Clin N Am* 2011;22(2):229-47.
117. Dinglas VD, Colantuoni E, Ciesla N, Mendez-Tellez P, Shanholtz C, Needham DM. [Occupational therapy for patients with acute lung injury: factors associated with time to first intervention in the intensive care unit](#); PMC3722660. *The American Journal of Occupational Therapy* 2013;67(3):355-362.
118. Dinglas VD, Parker AM, Reddy DRS, Colantuoni E, Zanni JM, Turnbull AE, Nelliott A, Ciesla N, Needham DM. [A quality improvement project sustainably decreased time to onset of active physical therapy intervention in patients with acute lung injury](#). *Annals of the American Thoracic Society* 2014;11(8):1230-1238.
119. Djaiani G, Silvertown N, Fedorko L, Carroll J, Styra R, Rao V, Katznelson R. [Dexmedetomidine versus Propofol sedation reduces delirium after cardiac surgery: a randomized controlled trial](#). *Anesthesiology* 2016;124(2):362-368.
120. Dodd AR, Nelson-Mooney K, Greenhalgh DG, Beckett LA, Li Y, Palmieri TL. [The effect of hand burns on quality of life in children](#). *Journal of Burn Care and Research* 2010;31(3):414-422.
121. Donabedian A. [Twenty years of research on the quality of medical care: 1964-1984](#). *Eval Health Prof* 1985;8(3):243-265.
122. Dowdy DW, Bienvenu OJ, Dinglas VD, Mendez-Tellez P, Sevransky J, Shanholtz C, Needham DM. [Are intensive care factors associated with depressive symptoms 6 months after acute lung injury?](#) PMC2769249. *Crit Care Med* 2009;37(5):1702-1707.
123. Dowdy DW, Dinglas V, Mendez-Tellez P, Bienvenu OJ, Sevransky J, Dennison CR, Shanholtz C, Needham DM. [Intensive care unit hypoglycemia predicts depression during early recovery from acute lung injury](#); PMC2605796. *Crit Care Med* 2008;36(10):2726-2733.

124. Dowdy DW, Eid MP, Dennison CR, Mendez-Tellez P, Herridge MS, Guallar E, Pronovost PJ, Needham DM. [Quality of life after acute respiratory distress syndrome: a meta-analysis](#). *Intensive Care Med* 2006;32(8):1115-1124.
125. Dowdy DW, Eid MP, Sedrakyan A, Mendez-Tellez P, Pronovost PJ, Herridge MS, Needham DM. [Quality of life in adult survivors of critical illness: a systematic review of the literature](#). *Intensive Care Med* 2005;31(5):611-620.
126. Dowdy DW, Needham DM, Mendez-Tellez P, Herridge MS, Pronovost PJ. [Studying outcomes of intensive care unit survivors: the role of the cohort study](#). *Intensive Care Med* 2005;31(7):914-921.
127. Drolet A, DeJulio P, Harkless S, Henricks S, Kamin E, Leddy EA, Lloyd JM, Waters C, Williams S. [Move to improve: the feasibility of using an early mobility protocol to increase ambulation in the intensive and intermediate care settings](#). *Phys Ther* 2013;93(2):197-207.
128. Dubb R, Nydahl P, Hermes C, Schwabbauer N, Toonstra A, Parker AM, Kaltwasser A, Needham DM. [Barriers and strategies for early mobilization of patients in intensive care units](#). *Annals of the American Thoracic Society* 2016;13(5):724-730.
129. Dubois MJ, Bergeron N, Dumont M, Dial S, Skrobik Y. [Delirium in an intensive care unit: a study of risk factors](#). *Intensive Care Med* 2001;27(8):1297-1304.
130. Duclos C, Beaugard M, Bottari C, Ouellet M, Gosselin N. [The impact of poor sleep on cognition and activities of daily living after traumatic brain injury: a review](#). *Aust Occup Ther J* 2015;62(1):2-12.
131. Dyer JA. [Multidisciplinary, interdisciplinary, and transdisciplinary Educational models and nursing education](#). *Nursing Education Perspectives* 2003;24(4):186-188.
132. Eccles M, Grimshaw J, Campbell M, Ramsay C. [Research designs for studies evaluating the effectiveness of change and improvement strategies](#). PMC1743658. *Quality and Safety in Health Care* 2003;12(1):47-52.
133. Edgar DW, Fish JS, Gomez M, Wood FM. [Local and systemic treatments for acute edema after burn injury: a systematic review of the literature](#). *Journal of Burn Care and Research* 2011;32(2):334-347.
134. Edraki M, Paran M, Montaseri S, Razavi Nejad M, Montaseri Z. [Comparing the effects of swaddled and conventional bathing methods on body temperature and crying duration in premature infants: a randomized clinical trial](#). PMC4134173. *Journal of Caring Sciences* 2014;3(2):83-91.
135. Ehlenbach WJ, Larson EB, Curtis JR, Hough CL. [Physical function and disability after acute care and critical illness hospitalizations in a prospective cohort of older adults](#). PMC4822703. *J Am Geriatr Soc* 2015;63(10):2061-2069.
136. Elliott D, Davidson JE, Harvey MA, Bemis-Dougherty A, Hopkins RO, Iwashyna TJ, Wagner J, Weinert C, Wunsch H, Bienvenu OJ, Black G, Brady S, Brodsky MB, Deutschman C, Doepp D, Flatley C, Fosnight S, Gittler M, Gomez BT, Hyzy R, Louis D, Mandel R, Maxwell C, Muldoon SR, Perme CS, Reilly C, Robinson MR, Rubin E, Schmidt DM, Schuller J, Scruth E, Siegal E, Spill GR, Sprenger S, Straumanis JP, Sutton P, Swoboda SM, Twaddle ML, Needham DM. [Exploring the](#)

- [scope of post-intensive care syndrome therapy and care: engagement of non-critical care providers and survivors in a second stakeholders meeting](#). *Crit Care Med* 2014;42(12):2518-2526.
137. Ely EW, Gautam S, Margolin R, Francis J, May L, Speroff T, Truman B, Dittus R, Bernard R, Inouye SK. [The impact of delirium in the intensive care unit on hospital length of stay](#). *Intensive Care Med* 2001;27(12):1892-1900.
138. Ely EW, Inouye SK, Bernard GR, Gordon S, Francis J, May L, Truman B, Speroff T, Gautam S, Margolin R, Hart RP, Dittus R. [Delirium in mechanically ventilated patients: validity and reliability of the confusion assessment method for the intensive care unit \(CAM-ICU\)](#). *The Journal of the American Medical Association* 2001;286(21):2703-2710.
139. Ely EW, Margolin R, Francis J, May L, Truman B, Dittus R, Speroff T, Gautam S, Bernard GR, Inouye SK. [Evaluation of delirium in critically ill patients: validation of the Confusion Assessment Method for the Intensive Care Unit \(CAM-ICU\)](#). *Crit Care Med* 2001;29(7):1370-1379.
140. Ely EW, Shintani A, Truman B, Speroff T, Gordon SM, Harrell FE, Inouye SK, Bernard GR, Dittus RS. [Delirium as a predictor of mortality in mechanically ventilated patients in the intensive care unit](#). *The Journal of the American Medical Association* 2004;291(14):1753-1762.
141. Engel HJ, Tatebe S, Alonzo PB, Mustille RL, Rivera MJ. [Physical therapist-established intensive care unit early mobilization program: quality improvement project for critical care at the University of California San Francisco Medical Center](#). *Phys Ther* 2013;93(7):975-985.
142. Engels PT, Beckett AN, Rubenfeld GD, Kreder H, Finkelstein JA, da Costa L, Papia G, Rizoli SB, Tien HC. [Physical rehabilitation of the critically ill trauma patient in the ICU](#). *Crit Care Med* 2013;41(7):1790-1801.
143. [Enhanced recovery after surgery \(ERAS\)](#). ERAS Society. [Internet]
144. Esselman PC. [Burn rehabilitation: an overview](#). *Arch Phys Med Rehabil* 2007;88(12):S3-6.
145. Falvey JR, Mangione KK, Stevens-Lapsley J. [Rethinking hospital-Associated deconditioning: proposed paradigm shift](#). PMC4556957. *Phys Ther* 2015;95(9):1307-1315.
146. Fan E, Dowdy DW, Colantuoni E, Mendez-Tellez P, Sevransky JE, Shanholtz C, Himmelfarb CRD, Desai SV, Ciesla N, Herridge MS, Pronovost PJ, Needham DM. [Physical complications in acute lung injury survivors: a two-year longitudinal prospective study](#). PMC3959239. *Crit Care Med* 2014;42(4):849-859.
147. Fan E, Khatri P, Mendez-Tellez P, Shanholtz C, Needham DM. [Review of a large clinical series: sedation and analgesia usage with airway pressure release and assist-control ventilation for acute lung injury](#). *J Intensive Care Med* 2008;23(6):376-383.
148. Fan E, Needham DM, Stewart TE. [Ventilatory management of acute lung injury and acute respiratory distress syndrome](#). *The Journal of the American Medical Association* 2005;294(22):2889-2896.

149. Fan E, Shahid S, Kondreddi VP, Bienvenu OJ, Mendez-Tellez P, Pronovost PJ, Needham DM. [Informed consent in the critically ill: a two-step approach incorporating delirium screening](#). *Crit Care Med* 2008;36(1):94-99.
150. Fan E, Zanni JM, Dennison CR, Lepre SJ, Needham DM. [Critical illness neuromyopathy and muscle weakness in patients in the intensive care unit](#). *AACN Advanced Critical Care* 2009;20(3):243-253.
151. Fan E. [Critical illness neuromyopathy and the role of physical therapy and rehabilitation in critically ill patients](#). *Respir Care* 2012;57(6):933-44.
152. Ferrando AA, Lane HW, Stuart CA, Davis-Street J, Wolfe RR. [Prolonged bed rest decreases skeletal muscle and whole body protein synthesis](#). *Am J Physiol* 1996;270(4):E627-33.
153. Ferrer R, Artigas A, Levy MM, Blanco J, Gonzalez-Diaz G, Garnacho-Montero J, Ibanez J, Palencia E, Quintana M, de IT, Edusepsis SG. [Improvement in process of care and outcome after a multicenter severe sepsis educational program in Spain](#). *The Journal of the American Medical Association* 2008;299(19):2294-2303.
154. Fessler HE, Hess DR. [Respiratory controversies in the critical care setting. Does high-frequency ventilation offer benefits over conventional ventilation in adult patients with acute respiratory distress syndrome?](#) *Respir Care* 2007;52(5):595-605.
155. Festic E, Soto JS, Pitre LA, Leveton M, Ramsey DM, Freeman WD, Heckman MG, Lee AS. [Novel bedside phonetic evaluation to identify dysphagia and aspiration risk](#). *Chest* 2016;149(3):649-659.
156. Fewster-Thuente L, Velsor-Friedrich B. [Interdisciplinary collaboration for healthcare professionals](#). *Nurs Adm Q* 2008;32(1):40-48.
157. Field-Ridley A, Dharmar M, Steinhorn D, McDonald C, Marcin JP. [ICU-Acquired Weakness Is Associated With Differences in Clinical Outcomes in Critically Ill Children](#). PMC5008971. *Pediatric Critical Care Medicine* 2016;17(1):53-57.
158. Fields C, Trotsky A, Fernandez N, Smith BA. [Mobility and ambulation for patients with pulmonary artery catheters: a retrospective descriptive study](#). PMC4915385. *Journal of Acute Care Physical Therapy* 2015;6(2):64-70.
159. Fink H, Helming M, Unterbuchner C, Lenz A, Neff F, Martyn JAJ, Blobner M. [Systemic inflammatory response syndrome increases immobility-induced neuromuscular weakness](#). *Crit Care Med* 2008;36(3):910-916.
160. Flacker JM, Lipsitz LA. [Neural mechanisms of delirium: current hypotheses and evolving concepts](#). *The Journals of Gerontology: Series A, Biological Sciences and Medical Sciences* 1999;54(6):B239-46.
161. Fletcher SN, Kennedy DD, Ghosh IR, Misra VP, Kiff K, Coakley JH, Hinds CJ. [Persistent neuromuscular and neurophysiologic abnormalities in long-term survivors of prolonged critical illness](#). *Crit Care Med* 2003;31(4):1012-1016.
162. Fraser D, Spiva L, Forman W, Hallen C. [Original Research: Implementation of an early mobility program in an ICU](#). *Am J Nurs* 2015;115(12):49-58.

163. Frawley PM, Habashi NM. [Airway pressure release ventilation: theory and practice](#). *AACN Clin Issues* 2001;12(2):234-46.
164. Freeman-Sanderson A, Togher L, Elkins MR, Phipps PR. [Quality of life improves with return of voice in tracheostomy patients in intensive care: An observational study](#). *J Crit Care* 2016;33:186-191.
165. Frownfelter DL. [Chest physical therapy and pulmonary rehabilitation: An interdisciplinary approach](#). 2e. Chicago, IL: Year Book Medical Publishers, 1987.
166. Fung CH, Lim Y, Mattke S, Damberg C, Shekelle PG. [Systematic review: the evidence that publishing patient care performance data improves quality of care](#). *Ann Intern Med* 2008;148(2):111-123.
167. Garrett K, Happ MB, Costello J, Fried-Oken M. [Augmentative Communication News](#). *AAC in the ICU* Feb 2007.
168. 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):307-313.
169. Gawande A. [The Checklist](#). *The New Yorker: Annals of Medicine* 2007. [Internet]
170. Geyer K, Meller K, Kulpan C, Mowery BD. [Traumatic brain injury in children: acute care management](#). *Pediatr Nurs* 2013;39(6):283-289.
171. Giacino J. [Development of practice guidelines for assessment and management of the vegetative and minimally conscious states](#). *J Head Trauma Rehabil* 1997;12(4):79-89.
172. Giacino JT, Kalmar K, Whyte J. [The JFK Coma Recovery Scale-Revised: measurement characteristics and diagnostic utility](#). *Arch Phys Med Rehabil* 2004;85(12):2020-2029.
173. Giantin V, Ceccon A, Enzi G, Sergi G, Perini P, Bussolotto M, Schiavon M, Casadei A, Mazzoleni F, Sartori L. [Heart rate and metabolic response to burn injury in humans](#). *J Parenter Enteral Nutr* 1995;19(1):55-62.
174. Girard TD, Jackson JC, Pandharipande PP, Pun BT, Thompson JL, Shintani AK, Gordon SM, Canonico AE, Dittus RS, Bernard GR, Ely EW. [Delirium as a predictor of long-term cognitive impairment in survivors of critical illness](#). PMC3638813. *Crit Care Med* 2010;38(7):1513-1520.
175. Gladwell, Malcolm. [The Tipping Point: How Little Things Can Make a Big Difference](#). Boston, MA: Little, Brown, 2000.
176. Gonzalez R, Shanti CM. [Overview of current pediatric burn care](#). *Semin Pediatr Surg* 2015;24(1):47-49.
177. Grady C. [Quality improvement and ethical oversight](#). *Ann Intern Med* 2007;146(9):680-681.
178. Graham ID, Logan J, Harrison MB, Straus SE, Tetroe J, Caswell W, Robinson N. [Lost in knowledge translation: time for a map?](#) *J Contin Educ Health Prof* 2006;26(1):13-24.
179. Green M, Marzano V, Leditschke IA, Mitchell I, Bissett B. [Mobilization of intensive care patients: a multidisciplinary practical guide for clinicians](#). PMC4889100. *Journal of Multidisciplinary Healthcare* 2016;9:247-256.

180. Greysen SR, Stijacic Cenzer I, Auerbach AD, Covinsky KE. [Functional impairment and hospital readmission in Medicare seniors](#). PMC4388787. *JAMA Internal Medicine* 2015;175(4):559-565.
181. Grol R. [Improving the quality of medical care: building bridges among professional pride, payer profit, and patient satisfaction](#). *The Journal of the American Medical Association* 2001;286(20):2578-2585.
182. Gross RD, Atwood CW, Ross SB, Olszewski JW, Eichhorn KA. [The coordination of breathing and swallowing in chronic obstructive pulmonary disease](#). *American Journal of Respiratory and Critical Care Medicine* 2009;179(7):559-565.
183. Gurses AP, Murphy DJ, Martinez EA, Berenholtz SM, Pronovost PJ. [A practical tool to identify and eliminate barriers to compliance with evidence-based guidelines](#). *Joint Commission Journal on Quality and Patient Safety* 2009;35(10):526-32, 485.
184. Guyatt G, Rennie R, Meade M, Cook D. [Users' Guides to the Medical Literature: A Manual for Evidence-Based Clinical Practice, 3e](#). New York, NY: McGraw Hill Medical, 2008. [Internet]
185. Hager DN, Dinglas VD, Needham DM. [The authors reply](#). *Crit Care Med* 2013;41(9):e241-e242.
186. Hager DN, Dinglas VD, Subhas S, Rowden AM, Neufeld KJ, Bienvenu OJ, Touradji P, Colantuoni E, Reddy DRS, Brower RG, Needham DM. [Reducing deep sedation and delirium in acute lung injury patients: a quality improvement project](#). *Crit Care Med* 2013;41(6):1435-1442.
187. Hall B. [Care for the patient with burns in the trauma rehabilitation setting](#). *Crit Care Nurs Q* 2012;35(3):272-280.
188. Hamburg NM, McMackin CJ, Huang AL, Shenouda SM, Widlansky ME, Schulz E, Gokce N, Ruderman NB, Keaney JF, Vita JA. [Physical inactivity rapidly induces insulin resistance and microvascular dysfunction in healthy volunteers](#). PMC2596308. *Arterioscler Thromb Vasc Biol* 2007;27(12):2650-2656.
189. Happ MB, Sawicki JM, Ricci FG. [Practice change and culture change in implementing geriatric care initiatives](#). *Geriatr Nurs* 2010;31(6):452-454.
190. Happ MB. [The power and importance of accommodation for communication impairment in the intensive care unit](#). *Annals of the American Thoracic Society* 2016;13(8):1215-1216.
191. Hardee JP, Porter C, Sidossis LS, Borsheim E, Carson JA, Herndon DN, Suman OE. [Early rehabilitative exercise training in the recovery from pediatric burn](#). PMC4122649. *Med Sci Sports Exerc* 2014;46(9):1710-1716.
192. Harding SM. [Oropharyngeal dysfunction in COPD patients: the need for clinical research](#). *Chest* 2002;121(2):315-317.
193. Hartley KA, Miller CS, Gephart SM. [Facilitated tucking to reduce pain in neonates: evidence for best practice](#). *Advances in Neonatal Care* 2015;15(3):201-208.
194. Hashem MD, Nelliot A, Needham DM. [Early mobilization and rehabilitation in the ICU: moving back to the future](#). *Respir Care* 2016;61(7):971-979.

195. Haskins E. [Cognitive Rehabilitation Manual: Translating Evidence-Based Recommendations Into Practice](#). Reston: American Congress of Rehabilitation Medicine; 2014.
196. Hathaway EE, Luberto CM, Bogenschutz LH, Geiss S, Wasson RS, Cotton S. [Integrative care therapies and physiological and pain-related outcomes in hospitalized infants](#). PMC4533649. *Global Advances in Health and Medicine* 2015;4(4):32-37.
197. Heath K, Timbrell V, Calvert P, Stiller K. [Outcome measurement tools currently used to assess pediatric burn patients: an occupational therapy and physiotherapy perspective](#). *Journal of Burn Care and Research* 2011;32(6):600-607.
198. Heifetz, Ronald A. [Leadership Without Easy Answers](#). Cambridge, Mass: Belknap Press of Harvard University Press, 1994.
199. Hemsley B, Sigafoos J, Balandin S, Forbes R, Taylor C, Green VA, Parmenter T. [Nursing the patient with severe communication impairment](#). *J Adv Nurs* 2001;35(6):827-835.
200. Hendricks-Munoz K, Mayers RM. [A neonatal nurse training program in kangaroo mother care \(KMC\) decreases barriers to KMC utilization in the NICU](#). *Am J Perinatol* 2014;31(11):987-992.
201. Hermans G, Van Mechelen H, Bruyninckx F, Vanhullebusch T, Clerckx B, Meersseman P, Debaveye Y, Casaer MP, Wilmer A, Wouters PJ, Vanhorebeek I, Gosselink R, Van dB. [Predictive value for weakness and 1-year mortality of screening electrophysiology tests in the ICU](#). *Intensive Care Med* 2015;41(12):2138-2148.
202. Hermans G, Wilmer A, Meersseman W, Milants I, Wouters PJ, Bobbaers H, Bruyninckx F, Van dB. [Impact of intensive insulin therapy on neuromuscular complications and ventilator dependency in the medical intensive care unit](#). *American Journal of Respiratory and Critical Care Medicine* 2007;175(5):480-489.
203. Herridge MS, Cheung AM, Tansey CM, Matte-Martyn A, Diaz-Granados N, Al-Saidi F, Cooper AB, Guest CB, Mazer CD, Mehta S, Stewart TE, Barr A, Cook D, Slutsky AS, Canadian Critical Care TG. [One-year outcomes in survivors of the acute respiratory distress syndrome](#). *N Engl J Med* 2003;348(8):683-693.
204. Herridge MS, Chu LM, Matte A, Tomlinson G, Chan L, Thomas C, Friedrich JO, Mehta S, Lamontagne F, Levasseur M, Ferguson ND, Adhikari NKJ, Rudkowski JC, Meggison H, Skrobik Y, Flannery J, Bayley M, Batt J, Santos CD, Abbey SE, Tan A, Lo V, Mathur S, Parotto M, Morris D, Flockhart L, Fan E, Lee CM, Wilcox ME, Ayas N, Choong K, Fowler R, Scales DC, Sinuff T, Cuthbertson BH, Rose L, Robles P, Burns S, Cypel M, Singer L, Chaparro C, Chow C, Keshavjee S, Brochard L, Hebert P, Slutsky AS, Marshall JC, Cook D, Cameron JI, RECOVER Program Investigators (Phase 1: towards RECOVER, Canadian Critical Care TG. [The RECOVER Program: Disability Risk Groups and 1-Year Outcome after 7 or More Days of Mechanical Ventilation](#). *American Journal of Respiratory and Critical Care Medicine* 2016;194(7):831-844.
205. Herridge MS, Tansey CM, Matte A, Tomlinson G, Diaz-Granados N, Cooper A, Guest CB, Mazer CD, Mehta S, Stewart TE, Kudlow P, Cook D, Slutsky AS, Cheung AM, Canadian Critical Care TG.

[Functional disability 5 years after acute respiratory distress syndrome](#). *N Engl J Med* 2011;364(14):1293-1304.

206. Herridge MS, Tansey CM, Matte A, Tomlinson G, Diaz-Granados N, Cooper A, Guest CB, Mazer CD, Mehta S, Stewart TE, Kudlow P, Cook D, Slutsky AS, Cheung AM, Canadian Critical Care TG. [Functional disability 5 years after acute respiratory distress syndrome](#). *N Engl J Med* 2011;364(14):1293-1304.
207. Herridge MS. [Legacy of intensive care unit-acquired weakness](#). *Crit Care Med* 2009;37(10):S457-61.
208. Hillegass, EA. [Essentials of Cardiopulmonary Physical Therapy](#). St. Louis, Mo: Elsevier/Saunders, 2016.
209. Ho LP, Ho SSM, Leung DYP, So WKW, Chan CWH. [A feasibility and efficacy randomised controlled trial of swaddling for controlling procedural pain in preterm infants](#). *J Clin Nurs* 2016;25(3-4):472-482.
210. Hodgson CL, Bailey M, Bellomo R, Berney S, Buhr H, Denehy L, Gabbe B, Harrold M, Higgins A, Iwashyna TJ, Papworth R, Parke R, Patman S, Presneill J, Saxena M, Skinner E, Tipping C, Young P, Webb S. Trial of Early Activity and Mobilization, Study Investigators. [A binational multicenter pilot feasibility randomized controlled trial of early goal-directed mobilization in the ICU](#). *Crit Care Med* 2016;44(6):1145-1152.
211. Hodgson CL, Stiller K, Needham DM, Tipping CJ, Harrold M, Baldwin CE, Bradley S, Berney S, Caruana LR, Elliott D, Green M, Haines K, Higgins AM, Kaukonen K, Leditschke IA, Nickels MR, Paratz J, Patman S, Skinner EH, Young PJ, Zanni JM, Denehy L, Webb SA. [Expert consensus and recommendations on safety criteria for active mobilization of mechanically ventilated critically ill adults](#). PMC4301888. *Critical Care* 2014;18(6):658.
212. Hoffman A, Pearson SD. ['Marginal medicine': targeting comparative effectiveness research to reduce waste](#). *Health Affairs* 2009;28(4):w710-8.
213. Hollander SA, Callus E. [Cognitive and psychologic considerations in pediatric heart failure](#). *J Card Fail* 2014;20(10):782-785.
214. Holm A, Dreyer P. [Intensive care unit patients' experience of being conscious during endotracheal intubation and mechanical ventilation](#). *Nurs Crit Care* 2015.
215. Holm MB. [The 2000 Eleanor Clarke Slagle Lecture. Our mandate for the new millennium: evidence-based practice](#). *American Journal of Occupational Therapy* 2000;54(6):575-585.
216. Hopkins RO, Choong K, Zebuhr CA, Kudchadkar SR. [Transforming PICU culture to facilitate early rehabilitation](#). PMC4849412. *Journal of Pediatric Intensive Care* 2015;4(4):204-211.
217. Hopkins RO, Miller RR, Rodriguez L, Spuhler V, Thomsen GE. [Physical therapy on the wards after early physical activity and mobility in the intensive care unit](#). *Phys Ther* 2012;92(12):1518-1523.
218. Hopkins RO, Spuhler VJ, Thomsen GE. [Transforming ICU culture to facilitate early mobility](#). *Crit Care Clin* 2007;23(1):81-96.
219. Hopkins RO, Spuhler VJ. [Strategies for promoting early activity in critically ill mechanically ventilated patients](#). *AACN Advanced Critical Care* 2009;20(3):277-289.
220. Hopkins RO, Weaver LK, Collingridge D, Parkinson RB, Chan KJ, Orme JF. [Two-year cognitive, emotional, and quality-of-life outcomes in acute respiratory distress syndrome](#). *American Journal of Respiratory and Critical Care Medicine* 2005;171(4):340-347.

221. Hough CL, Needham DM. [The role of future longitudinal studies in ICU survivors: understanding determinants and pathophysiology of weakness and neuromuscular dysfunction](#). *Curr Opin Crit Care* 2007;13(5):489-496.
222. Hough CL. [Neuromuscular sequelae in survivors of acute lung injury](#). *Clin Chest Med* 2006;27(4):691-703.
223. Howell D. [Neuro-occupation: linking sensory deprivation and self-care in the ICU patient](#). *Occup Ther Health Care* 1999;11(4):75-85.
224. Hoyer EH, Brotman DJ, Chan KS, Needham DM. [Barriers to early mobility of hospitalized general medicine patients: survey development and results](#). PMC4344426. *American Journal of Physical Medicine and Rehabilitation* 2015;94(4):304-312.
225. Hoyer EH, Brotman DJ, Chan KS, Needham DM. [Barriers to early mobility of hospitalized general medicine patients: survey development and results](#). PMC4344426. *American Journal of Physical Medicine and Rehabilitation* 2015;94(4):304-312.
226. Hoyer EH, Friedman M, Lavezza A, Wagner-Kosmakos K, Lewis-Cherry R, Skolnik JL, Byers SP, Atanelov L, Colantuoni E, Brotman DJ, Needham DM. [Promoting mobility and reducing length of stay in hospitalized general medicine patients: A quality-improvement project](#). *Journal of Hospital Medicine* 2016;11(5):341-347.
227. Hoyer EH, Needham DM, Atanelov L, Knox B, Friedman M, Brotman DJ. [Association of impaired functional status at hospital discharge and subsequent rehospitalization](#). PMC4347875. *Journal of Hospital Medicine* 2014;9(5):277-282.
228. Hoyer EH, Needham DM, Miller J, Deutschendorf A, Friedman M, Brotman DJ. [Functional status impairment is associated with unplanned readmissions](#). *Arch Phys Med Rehabil* 2013;94(10):1951-1958.
229. Hoyer EH, Odonkor CA, Bhatia SN, Leung C, Deutschendorf A, Brotman DJ. [Association between days to complete inpatient discharge summaries with all-payer hospital readmissions in Maryland](#). *Journal of Hospital Medicine* 2016;11(6):393-400.
230. Hoyer EH, Odonkor CA, Bhatia SN, Leung C, Deutschendorf A, Brotman DJ. [Association between days to complete inpatient discharge summaries with all-payer hospital readmissions in Maryland](#). *Journal of Hospital Medicine* 2016;11(6):393-400.
231. Hshieh TT, Yue J, Oh E, Puelle M, Dowal S, Travison T, Inouye SK. [Effectiveness of multicomponent nonpharmacological delirium interventions: a meta-analysis](#). PMC4388802. *JAMA internal medicine* 2015;175(4):512-520.
232. Huang M, Chan KS, Zanni JM, Parry SM, Neto SGB, Neto JAA, da Silva V,Z.M., Kho ME, Needham DM. [Functional status score for the ICU: An international clinimetric analysis of validity, responsiveness, and minimal important difference](#). *Crit Care Med* 2016.

233. Hudson LD, Lee CM. [Neuromuscular sequelae of critical illness](#). *N Engl J Med* 2003;348(8):745-747.
234. Iacono LA. [Exploring the guidelines for the management of severe head injury](#). *The Journal of neuroscience nursing* 2000;32(1):54-60.
235. [ICU Delirium and Cognitive Impairment Study Group](#). Vanderbilt University and the US Department of Veterans Affairs. [Internet]
236. Irwin S, Scot J, Tecklin JS. [Cardiopulmonary Physical Therapy: A Guide to Practice](#), 4e. St. Louis, MO, Mosby, 2004.
237. Iwashyna TJ, Ely EW, Smith DM, Langa KM. [Long-term cognitive impairment and functional disability among survivors of severe sepsis](#). PMC3345288. *The Journal of the American Medical Association* 2010;304(16):1787-1794.
238. Jackson JC, Gordon SM, Hart RP, Hopkins RO, Ely EW. [The association between delirium and cognitive decline: a review of the empirical literature](#). *Neuropsychol Rev*2004;14(2):87-98.
239. Jackson JC, Jutte JE. [Rehabilitating a missed opportunity: Integration of rehabilitation psychology into the care of critically ill patients, survivors, and caregivers](#). *Rehabilitation Psychology* 2016;61(2):115-119.
240. Jackson JC, Pandharipande PP, Girard TD, Brummel NE, Thompson JL, Hughes CG, Pun BT, Vasilevskis EE, Morandi A, Shintani AK, Hopkins RO, Bernard GR, Dittus RS, Ely EW, Bringing to light the Risk Factors And Incidence of Neuropsychological dysfunction in ICU survivors (BRAIN-ICU) study investigators. [Depression, post-traumatic stress disorder, and functional disability in survivors of critical illness in the BRAIN-ICU study: a longitudinal cohort study](#). PMC4107313. *The Lancet Respiratory Medicine* 2014;2(5):369-379.
241. Jacobs BR, Salman BA, Cotton RT, Lyons K, Brilli RJ. [Postoperative management of children after single-stage laryngotracheal reconstruction](#). *Crit Care Med* 2001;29(1):164-168.
242. James HE. [Neurologic evaluation and support in the child with an acute brain insult](#). *Pediatr Ann* 1986;15(1):16-22.
243. Jamtvedt G, Young JM, Kristoffersen DT, O'Brien MA, Oxman AD. [Does telling people what they have been doing change what they do? A systematic review of the effects of audit and feedback](#). PMC2464905. *Quality and Safety in Health Care* 2006;15(6):433-436.
244. Jette DU, Stilphen M, Ranganathan VK, Passek S, Frost FS, Jette AM. [Interrater reliability of AM-PAC '6-Clicks' basic mobility and daily activity short forms](#). *Phys Ther* 2015;95(5):758-766.
245. Jette DU, Stilphen M, Ranganathan VK, Passek SD, Frost FS, Jette AM. [Validity of the AM-PAC "6-Clicks" inpatient daily activity and basic mobility short forms](#). *Phys Ther*2014;94(3):379-391.
246. Johns Hopkins Armstrong Institute for Patient Safety and Quality. [CUSP Guidance for Hospitals](#). [Internet]
247. Johns Hopkins Medicine. [Promoting early rehabilitation for pediatric ICU patients](#), PICU Up!

248. Johnstone, M. [Restoration of Motor Function in the Stroke Patient: A Physiotherapist's Approach](#). Edinburgh, UK: Churchill Livingstone, 1987.
249. Jolley SE, Moss M, Needham DM, Caldwell E, Morris PE, Miller RR, Ringwood N, Anders M, Koo KK, Gundel SE, Parry SM, Hough CL, Acute Respiratory Distress Syndrome Network Investigators. [Point prevalence study of mobilization practices for acute respiratory failure patients in the United States](#). *Crit Care Med* 2016.
250. Kacmarek RM, Stoller JK, Heuer A. [Egan's Fundamentals of Respiratory Care, 11e](#). St. Louis, MO: Elsevier Health Sciences, 2016.
251. Kajs-Wyllie M, Holman V, Trager R. [Enhancing recovery via neuro-rehab rounds](#). *The Journal of Neuroscience Nursing* 1993;25(3):153-157.
252. Kallesen M, Psirides A, Huckabee M. [Comparison of cough reflex testing with videoendoscopy in recently extubated intensive care unit patients](#). *J Crit Care* 2016;33:90-94.
253. Kallesen M, Psirides A, Huckabee M. [Recovery of cough after extubation after coronary artery bypass grafting: A prospective study](#). *J Crit Care* 2015;30(4):758-761.
254. Kamdar BB, Combs MP, Colantuoni E, King LM, Niessen T, Neufeld KJ, Collop NA, Needham DM. [The association of sleep quality, delirium, and sedation status with daily participation in physical therapy in the ICU](#). PMC4990875. *Critical Care* 2015;19:261.
255. Kamdar BB, King LM, Collop NA, Sakamuri S, Colantuoni E, Neufeld KJ, Bienvenu OJ, Rowden AM, Touradji P, Brower RG, Needham DM. [The effect of a quality improvement intervention on perceived sleep quality and cognition in a medical ICU](#). PMC3579000. *Crit Care Med* 2013;41(3):800-809.
256. Kapfhammer HP, Rothenhaeusler H,B., Krauseneck T, Stoll C, Schelling G. [Posttraumatic stress disorder and health-related quality of life in long-term survivors of acute respiratory distress syndrome](#). *Am J Psychiatry* 2004;161(1):45-52.
257. Karadas C, Ozdemir L. [The effect of range of motion exercises on delirium prevention among patients aged 65 and over in intensive care units](#). *Geriatr Nurs* 2016;37(3):180-185.
258. Karner M. [Interprofessional teamwork in medical rehabilitation: a comparison of multidisciplinary and interdisciplinary team approach](#). *Clin Rehabil* 2010;24(8):745-755.
259. Kater KM. [Response of head-injured patients to sensory stimulation](#). *West J Nurs Res* 1989;11(1):20-33.
260. Kawahara K, Suzuki T, Yasaka T, Nagata H, Okamoto Y, Kita K, Morisaki H. [Evaluation of the site specificity of acute disuse muscle atrophy developed during a relatively short period in critically ill patients according to the activities of daily living level: A prospective observational study](#). *Aust Crit Care* 2016.
261. Kelmenson DA, Quan D, Nordon-Craft A, Malone D, Schenkman M, Moss M. [Electrophysiological abnormalities can differentiate pre-hospital discharge functional status in critically ill patients with normal strength](#). PMC4992460. *Intensive Care Med* 2016;42(9):1504-1505.

262. Kho ME, Damluji A, Zanni JM, Needham DM. [Feasibility and observed safety of interactive video games for physical rehabilitation in the intensive care unit: a case series](#). *J Crit Care* 2012;27(2):219.e1-219.e6.
263. Kim MJ, Park YH, Park YS, Song YH. [Associations between prolonged intubation and developing post-extubation dysphagia and aspiration pneumonia in non-neurologic critically ill patients](#). PMC4654083. *Annals of Rehabilitation Medicine* 2015;39(5):763-771.
264. Kirkham FJ, Newton CRJC, Whitehouse W. [Paediatric coma scales](#). *Dev Med Child Neurol* 2008;50(4):267-274.
265. Klein K, Mulkey M, Bena JF, Albert NM. [Clinical and psychological effects of early mobilization in patients treated in a neurologic ICU: a comparative study](#). *Crit Care Med* 2015;43(4):865-873.
266. Kleyweg RP, van der Meche ,F.G., Schmitz PI. [Interobserver agreement in the assessment of muscle strength and functional abilities in Guillain-Barre syndrome](#). *Muscle Nerve* 1991;14(11):1103-1109.
267. Knowledge Staff. [Core Competency: Communication](#). [Internet]
268. Koch SM, Fogarty S, Signorino C, Parmley L, Mehlhorn U. [Effect of passive range of motion on intracranial pressure in neurosurgical patients](#). *J Crit Care* 1996;11(4):176-179.
269. Kohlberg GD, Gal YK, Lalwani AK. [Development of a low-cost, noninvasive, portable visual speech recognition program](#). *Ann Otol Rhinol Laryngol* 2016;125(9):752-757.
270. Koller D. [Child Life Assessment: Variables Associated with a Child's Ability to Cope with Hospitalization](#). Child Life Council 2008. [Internet]
271. Kozlow JH, Berenholtz SM, Garrett E, Dorman T, Pronovost PJ. [Epidemiology and impact of aspiration pneumonia in patients undergoing surgery in Maryland, 1999-2000](#). *Crit Care Med* 2003;31(7):1930-1937.
272. Kritchevsky SB, Braun BI, Bush AJ, Bozikis MR, Kusek L, Burke JP, Wong ES, Jernigan J, Davis CC, Simmons B, TRAPE SG. [The effect of a quality improvement collaborative to improve antimicrobial prophylaxis in surgical patients: a randomized trial](#). *Ann Intern Med* 2008;149(7):472-80, W89.
273. Kudchadkar SR, Yaster M, Punjabi NM. [Sedation, sleep promotion, and delirium screening practices in the care of mechanically ventilated children: a wake-up call for the pediatric critical care community](#). PMC4061156. *Crit Care Med* 2014;42(7):1592-1600.
274. Langley, GJ. [The Improvement Guide: A Practical Approach to Enhancing Organizational Performance](#). San Francisco, Calif: Jossey-Bass, 2009.
275. Lannin NA, Cusick A, McLachlan R, Allaous J. [Observed recovery sequence in neurobehavioral function after severe traumatic brain injury](#). *The American Journal of Occupational Therapy* 2013;67(5):543-549.
276. Larson RD, Larson DJ, Baumgartner TB, White LJ. [Repeatability of the timed 25-foot walk test for individuals with multiple sclerosis](#). *Clin Rehabil* 2013;27(8):719-723.

277. Latenser BA, Kowal-Vern A. [Paediatric burn rehabilitation](#). *Pediatr Rehabil* 2002;5(1):3-10.
278. Laudert S, Liu WF, Blackington S, Perkins B, Martin S, Macmillan-York E, Graven S, Handyside J, NIC/Q 2005 Physical Environment, Exploratory Group. [Implementing potentially better practices to support the neurodevelopment of infants in the NICU](#). *Journal of Perinatology* 2007;27 Suppl 2:S75-93.
279. Le H, Khankhanian P, Joshi N, Maa J, Crevensten H. [Patients recovering from abdominal surgery who walked with volunteers had improved postoperative recovery profiles during their hospitalization](#). *World J Surg* 2014;38(8):1961-1965.
280. Leder SB, Siner JM, Bizzarro MJ, McGinley BM, Lefton-Greif M. [Oral alimentation in neonatal and adult populations requiring high-flow oxygen via nasal cannula](#). *Dysphagia* 2016;31(2):154-159.
281. Leijten FS, Harinck-de Weerd JE, Poortvliet DC, de Weerd AW. [The role of polyneuropathy in motor convalescence after prolonged mechanical ventilation](#). *The Journal of the American Medical Association* 1995;274(15):1221-1225.
282. Lima NP, Silva GMCd, Park M, Pires-Neto R. [Mobility therapy and central or peripheral catheter-related adverse events in an ICU in Brazil](#). PMC4541757. *Jornal Brasileiro de Pneumologia* 2015;41(3):225-230.
283. Lin S, Liu C, Wang C, Lin H, Huang C, Huang P, Fang Y, Shieh M, Kuo H. [The impact of delirium on the survival of mechanically ventilated patients](#). *Crit Care Med* 2004;32(11):2254-2259.
284. Lindenauer PK, Remus D, Roman S, Rothberg MB, Benjamin EM, Ma A, Bratzler DW. [Public reporting and pay for performance in hospital quality improvement](#). *N Engl J Med* 2007;356(5):486-496.
285. Lindenauer PK. [Effects of quality improvement collaboratives](#). PMC2440851. *BMJ* 2008;336(7659):1448-1449.
286. Lipshutz AKM, Gropper MA. [Acquired neuromuscular weakness and early mobilization in the intensive care unit](#). *Anesthesiology* 2013;118(1):202-215.
287. Lone NI, Seretny M, Wild SH, Rowan KM, Murray GD, Walsh TS. [Surviving intensive care: a systematic review of healthcare resource use after hospital discharge](#). *Crit Care Med* 2013;41(8):1832-1843.
288. Lord RK, Mayhew CR, Korupolu R, Manthey EC, Friedman MA, Palmer JB, Needham DM. [ICU early physical rehabilitation programs: financial modeling of cost savings](#). *Crit Care Med* 2013;41(3):717-724.
289. Lorello DJ, Peck M, Albrecht M, Richey KJ, Pressman MA. [Results of a prospective randomized controlled trial of early ambulation for patients with lower extremity autografts](#). *Journal of Burn Care and Research* 2014;35(5):431-436.
290. Lynn J, Baily MA, Bottrell M, Jennings B, Levine RJ, Davidoff F, Casarett D, Corrigan J, Fox E, Wynia MK, Agich GJ, O'Kane M, Speroff T, Schyve P, Batalden P, Tunis S, Berlinger N, Cronenwett L, Fitzmaurice

- JM, Dubler NN, James B. [The ethics of using quality improvement methods in health care](#). *Ann Intern Med* 2007;146(9):666-673.
291. Maccoby, M. [Transforming Health Care Leadership: A Systems Guide to Improve Patient Care, Decrease Costs, and Improve Population Health](#). San Francisco, CA: Jossey-Bass, A Wiley Brand, 2013.
292. Macht M, Wimbish T, Clark BJ, Benson AB, Burnham EL, Williams A, Moss M. [Postextubation dysphagia is persistent and associated with poor outcomes in survivors of critical illness](#). PMC3334778. *Critical Care* 2011;15(5):R231.
293. Malamud AL, Ricard PEH. [Feasibility of the Six-Minute Walk Test for patients who have cystic fibrosis, are ambulatory, and require mechanical ventilation before lung transplantation](#). *Phys Ther* 2016;96(9):1468-1476.
294. Malandraki GA, Markaki V, Georgopoulos VC, Psychogios L, Nanas S. [Postextubation dysphagia in critical patients: A first report from the largest step-down intensive care unit in Greece](#). *American Journal of Speech-Language Pathology* 2016;25(2):150-156.
295. Malone D, Ridgeway K, Nordon-Craft A, Moss P, Schenkman M, Moss M. [Physical therapist practice in the intensive care unit: Results of a national survey](#). PMC4595808. *Phys Ther* 2015;95(10):1335-1344.
296. Mandal S, Suh E, Thompson A, Connolly B, Ramsay M, Harding R, Puthuchearry Z, Moxham J, Hart N. [Comparative study of linear and curvilinear ultrasound probes to assess quadriceps rectus femoris muscle mass in healthy subjects and in patients with chronic respiratory disease](#). PMC4716191. *BMJ Open Respiratory Research* 2016;3(1):e000103.
297. Manzano JL, Lubillo S, Henriquez D, Martin J.C., Perez M.C., Wilson DJ. [Verbal communication of ventilator-dependent patients](#). *Crit Care Med* 1993;21(4):512-517.
298. Maramattom BV, Wijdicks EFM. [Acute neuromuscular weakness in the intensive care unit](#). *Crit Care Med* 2006;34(11):2835-2841.
299. Maxwell WL. [Traumatic brain injury in the neonate, child and adolescent human: an overview of pathology](#). *International Journal of Developmental Neuroscience* 2012;30(3):167-183.
300. Mazzola CA, Adelson PD. [Critical care management of head trauma in children](#). *Crit Care Med* 2002;30(11):S393-401.
301. McGlynn EA, Asch SM, Adams J, Keesey J, Hicks J, DeCristofaro A, Kerr EA. [The quality of health care delivered to adults in the United States](#). *N Engl J Med* 2003;348(26):2635-2645.
302. McKinstry A, Tranter M, Sweeney J. [Outcomes of dysphagia intervention in a pulmonary rehabilitation program](#). *Dysphagia* 2010;25(2):104-111.
303. McNicoll L, Pisani MA, Zhang Y, Ely EW, Siegel MD, Inouye SK. [Delirium in the intensive care unit: occurrence and clinical course in older patients](#). *J Am Geriatr Soc* 2003;51(5):591-598.
304. McWilliams D, Atkins G, Hodson J, Snelson C. [The Sara Combilizer® as an early mobilisation aid for critically ill patients: A prospective before and after study](#). *Aust Crit Care* 2016 [Internet]

305. Megha M, Harpreet S, Nayeem Z. [Effect of frequency of multimodal coma stimulation on the consciousness levels of traumatic brain injury comatose patients](#). *Brain Injury* 2013;27(5):570-577.
306. Meyer MJ, Stanislaus AB, Lee J, Waak K, Ryan C, Saxena R, Ball S, Schmidt U, Poon T, Piva S, Walz M, Talmor DS, Blobner M, Latronico N, Eikermann M. [Surgical intensive care unit optimal mobilisation dcore \(SOMS\) trial: a protocol for an international, multicentre, randomised controlled trial focused on goal-directed early mobilisation of surgical ICU patients](#). PMC3753523. *BMJ open* 2013;3(8):e003262.
307. Milbrandt EB, Deppen S, Harrison PL, Shintani AK, Speroff T, Stiles RA, Truman B, Bernard GR, Dittus RS, Ely EW. [Costs associated with delirium in mechanically ventilated patients](#). *Crit Care Med* 2004;32(4):955-962.
308. Miller FG, Emanuel EJ. [Quality-improvement research and informed consent](#). *N Engl J Med* 2008;358(8):765-767.
309. Moon K, Lee S. [The effects of a tailored intensive care unit delirium prevention protocol: A randomized controlled trial](#). *Int J Nurs Stud* 2015;52(9):1423-1432.
310. Morandi A, Jackson JC, Ely EW. [Delirium in the intensive care unit](#). *International Review of Psychiatry* 2009;21(1):43-58.
311. Morris LL, Bedon AM, McIntosh E, Whitmer A. [Restoring speech to tracheostomy patients](#). *Crit Care Nurse* 2015;35(6):13-27; quiz 28.
312. Morris PE, Berry MJ, Files DC, Thompson JC, Hauser J, Flores L, Dhar S, Chmelo E, Lovato J, Case LD, Bakhru RN, Sarwal A, Parry SM, Campbell P, Mote A, Winkelman C, Hite RD, Nicklas B, Chatterjee A, Young MP. [Standardized rehabilitation and hospital length of stay among patients with acute respiratory failure: a randomized clinical trial](#). *The Journal of the American Medical Association* 2016;315(24):2694-2702.
313. Morris PE, Goad A, Thompson C, Taylor K, Harry B, Passmore L, Ross A, Anderson L, Baker S, Sanchez M, Penley L, Howard A, Dixon L, Leach S, Small R, Hite RD, Haponik E. [Early intensive care unit mobility therapy in the treatment of acute respiratory failure](#). *Crit Care Med* 2008;36(8):2238-2243.
314. Moss M, Nordon-Craft A, Malone D, Van Pelt D, Frankel SK, Warner ML, Kriekels W, McNulty M, Fairclough DL, Schenkman M. [A randomized trial of an intensive physical therapy program for patients with acute respiratory failure](#). PMC4872662. *American Journal of Respiratory and Critical Care Medicine* 2016;193(10):1101-1110.
315. Mundy LM, Leet TL, Darst K, Schnitzler MA, Dunagan WC. [Early mobilization of patients hospitalized with community-acquired pneumonia](#). *Chest* 2003;124(3):883-889.
316. Munkwitz M, Hopkins RO, Miller Iii RR, Lockett PM, Hirshberg EL. [A perspective on early mobilization for adult patients with respiratory failure: Lessons for the pediatric population](#). *Journal of Pediatric Rehabilitation Medicine* 2010;3(3):215-227.

317. Murphy DJ, Howard D, Muriithi A, Mendez-Tellez P, Sevransky J, Shanholtz C, Netzer G, Pronovost PJ, Needham DM. [Red blood cell transfusion practices in acute lung injury: what do patient factors contribute?](#) PMC2729062. *Crit Care Med* 2009;37(6):1935-1940.
318. National Academy of Medicine. [A CEO Checklist for High-Value Health Care](#). [Internet]
319. Naughton KA. [The combined use of sucrose and nonnutritive sucking for procedural pain in both term and preterm neonates: an integrative review of the literature](#). *Advances in Neonatal Care* 2013;13(1):9-19; quiz 20.
320. Needham DM, Bronskill SE, Calinawan JR, Sibbald WJ, Pronovost PJ, Laupacis A. [Projected incidence of mechanical ventilation in Ontario to 2026: Preparing for the aging baby boomers](#). *Crit Care Med* 2005;33(3):574-579.
321. Needham DM, Colantuoni E, Mendez-Tellez P, Dinglas VD, Sevransky JE, Dennison Himmelfarb C,R., Desai SV, Shanholtz C, Brower RG, Pronovost PJ. [Lung protective mechanical ventilation and two year survival in patients with acute lung injury: prospective cohort study](#). PMC3320566. *BMJ* 2012;344:e2124.
322. Needham DM, Davidson J, Cohen H, Hopkins RO, Weinert C, Wunsch H, Zawistowski C, Bemis-Dougherty A, Berney SC, Bienvenu OJ, Brady SL, Brodsky MB, Denehy L, Elliott D, Flatley C, Harabin AL, Jones C, Louis D, Meltzer W, Muldoon SR, Palmer JB, Perme C, Robinson M, Schmidt DM, Scruth E, Spill GR, Storey CP, Render M, Votto J, Harvey MA. [Improving long-term outcomes after discharge from intensive care unit: report from a stakeholders' conference](#). *Crit Care Med* 2012;40(2):502-509.
323. Needham DM, Dennison CR, Dowdy DW, Mendez-Tellez P, Ciesla N, Desai SV, Sevransky J, Shanholtz C, Scharfstein D, Herridge MS, Pronovost PJ. [Study protocol: The Improving Care of Acute Lung Injury Patients \(ICAP\) study](#). PMC1550857. *Critical Care* 2006;10(1):R9.
324. Needham DM, Dinglas VD, Bienvenu OJ, Colantuoni E, Wozniak AW, Rice TW, Hopkins RO, NIH NHLBI AN. [One year outcomes in patients with acute lung injury randomised to initial trophic or full enteral feeding: prospective follow-up of EDEN randomised trial](#). PMC3601941. *BMJ* 2013;346:f1532.
325. Needham DM, Dowdy DW, Mendez-Tellez P, Herridge MS, Pronovost PJ. [Studying outcomes of intensive care unit survivors: measuring exposures and outcomes](#). *Intensive Care Med* 2005;31(9):1153-1160.
326. Needham DM, Korupolu R, Zanni JM, Pradhan P, Colantuoni E, Palmer JB, Brower RG, Fan E. [Early physical medicine and rehabilitation for patients with acute respiratory failure: a quality improvement project](#). *Arch Phys Med Rehabil* 2010;91(4):536-542.
327. Needham DM, Korupolu R. [Rehabilitation quality improvement in an intensive care unit setting: implementation of a quality improvement model](#). *Topics in Stroke Rehabilitation* 2010;17(4):271-281.
328. Needham DM, Pronovost PJ. [Affordable health care](#). *Critical Care Medicine*. 2004;32(12):2564
329. Needham DM, Sinopoli DJ, Dinglas VD, Berenholtz SM, Korupolu R, Watson SR, Lubomski L, Goeschel C, Pronovost PJ. [Improving data quality control in quality improvement projects](#). PMC2734082. *International Journal for Quality in Health Care* 2009;21(2):145-150.

330. Needham DM, Wang W, Desai SV, Mendez-Tellez P, Dennison CR, Sevransky J, Shanholtz C, Ciesla N, Spillman K, Pronovost PJ. [Intensive care unit exposures for long-term outcomes research: development and description of exposures for 150 patients with acute lung injury](#). PMC3678945. *J Crit Care* 2007;22(4):275-284.
331. Needham DM, Yang T, Dinglas VD, Mendez-Tellez P, Shanholtz C, Sevransky JE, Brower RG, Pronovost PJ, Colantuoni E. [Timing of low tidal volume ventilation and intensive care unit mortality in acute respiratory distress syndrome. A prospective cohort study](#). PMC4347437. *American Journal of Respiratory and Critical Care Medicine* 2015;191(2):177-185.
332. Needham DM. [Mobilizing patients in the intensive care unit: improving neuromuscular weakness and physical function](#). *The Journal of the American Medical Association* 2008;300(14):1685-1690.
333. [New website helps ICU survivors along intensive care journey](#). *eHealth: NHS Scotland* 2016. [Internet]
334. Nikayin S, Rabiee A, Hashem MD, Huang M, Bienvenu OJ, Turnbull AE, Needham DM. [Anxiety symptoms in survivors of critical illness: a systematic review and meta-analysis](#). *Gen Hosp Psychiatry* 2016;43:23-29.
335. Noppens R, Brambrink AM. [Traumatic brain injury in children: clinical implications](#). *Experimental and Toxicologic Pathology* 2004;56(1-2):113-125.
336. Nottingham University Hospitals, NHS Trust. [Patient Safety Annual Report 2015-2016](#). [Internet]
337. Nuysink J, Eijssermans MJC, van Haastert IC, Koopman-Esseboom C, Helders PJM, de Vries LS, van dN. [Clinical course of asymmetric motor performance and deformational plagiocephaly in very preterm infants](#). *J Pediatr* 2013;163(3):658-65.e1.
338. Nydahl P, Ruhl AP, Bartoszek G, Dubb R, Filipovic S, Flohr H, Kaltwasser A, Mende H, Rothaug O, Schuchhardt D, Schwabbauer N, Needham DM. [Early mobilization of mechanically ventilated patients: a 1-day point-prevalence study in Germany](#). *Crit Care Med* 2014;42(5):1178-1186.
339. Ogrinc G, Mooney SE, Estrada C, Foster T, Goldmann D, Hall LW, Huizinga MM, Liu SK, Mills P, Neily J, Nelson W, Pronovost PJ, Provost L, Rubenstein LV, Speroff T, Splaine M, Thomson R, Tomolo AM, Watts B. [The SQUIRE \(Standards for Quality Improvement Reporting Excellence\) guidelines for quality improvement reporting: explanation and elaboration](#). PMC2602740. *Quality and Safety in Health Care* 2008;17 Suppl 1:i13-32.
340. Ohgi S, Gu S. [Pediatric burn rehabilitation: Philosophy and strategies](#). PMC4978102. *Burns and Trauma* 2013;1(2):73-79.
341. Ohtake PJ, Strasser DC, Needham DM. [Translating research into clinical practice: the role of quality improvement in providing rehabilitation for people with critical illness](#). *Phys Ther* 2013;93(2):128-133.
342. Ouimet S, Riker R, Bergeron N, Cossette M, Kavanagh B, Skrobik Y. [Subsyndromal delirium in the ICU: evidence for a disease spectrum](#). *Intensive Care Med* 2007;33(6):1007-1013.

343. Overgaard CB, Dzavik V. [Inotropes and vasopressors: review of physiology and clinical use in cardiovascular disease](#). *Circulation* 2008;118(10):1047-1056.
344. Oxman AD, Fretheim A, Flottorp S. [The OFF theory of research utilization](#). *J Clin Epidemiol* 2005;58(2):113-6; discussion 117.
345. Oxman AD, Thomson MA, Davis DA, Haynes RB. [No magic bullets: a systematic review of 102 trials of interventions to improve professional practice](#). PMC1487455. *Can Med Assoc J* 1995;153(10):1423-1431.
346. Palmer M, Wyness MA. [Positioning and handling: important considerations in the care of the severely head-injured patient](#). *The Journal of Neuroscience Nursing: Journal of the American Association of Neuroscience Nurses* 1988;20(1):42-49.
347. Pandharipande P, Cotton BA, Shintani A, Thompson J, Pun BT, Morris JA, Dittus R, Ely EW. [Prevalence and risk factors for development of delirium in surgical and trauma intensive care unit patients](#). PMC3773485. *J Trauma* 2008;65(1):34-41.
348. Pandharipande P, Shintani A, Peterson J, Pun BT, Wilkinson GR, Dittus RS, Bernard GR, Ely EW. [Lorazepam is an independent risk factor for transitioning to delirium in intensive care unit patients](#). *Anesthesiology* 2006;104(1):21-26.
349. Pandharipande PP, Girard TD, Ely EW. [Long-term cognitive impairment after critical illness](#). *N Engl J Med* 2014;370(2):185-186.
350. Pandharipande PP, Girard TD, Jackson JC, Morandi A, Thompson JL, Pun BT, Brummel NE, Hughes CG, Vasilevskis EE, Shintani AK, Moons KG, Geevarghese SK, Canonico A, Hopkins RO, Bernard GR, Dittus RS, Ely EW, BRAIN-ICU SI. [Long-term cognitive impairment after critical illness](#). PMC3922401. *N Engl J Med* 2013;369(14):1306-1316.
351. Pandharipande PP, Pun BT, Herr DL, Maze M, Girard TD, Miller RR, Shintani AK, Thompson JL, Jackson JC, Deppen SA, Stiles RA, Dittus RS, Bernard GR, Ely EW. [Effect of sedation with dexmedetomidine vs lorazepam on acute brain dysfunction in mechanically ventilated patients: the MENDS randomized controlled trial](#). *The Journal of the American Medical Association* 2007;298(22):2644-2653.
352. Parker AM, Sricharoenchai T, Raparla S, Schneck KW, Bienvenu OJ, Needham DM. [Posttraumatic stress disorder in critical illness survivors: a metaanalysis](#). *Crit Care Med* 2015;43(5):1121-1129.
353. Parker R, Adams JL, Ogola G, McBrayer D, Hubbard JM, McCullough TL, Hartman JM, Cleveland T. [Current activity guidelines for CABG patients are too restrictive: comparison of the forces exerted on the median sternotomy during a cough vs. lifting activities combined with valsalva maneuver](#). *Thorac Cardiovasc Surg* 2008;56(4):190-194.
354. Parry SM, Denehy L, Beach LJ, Berney S, Williamson HC, Granger CL. [Functional outcomes in ICU - what should we be using? - an observational study](#). PMC4404223. *Critical Care* 2015;19:127.

355. Parry SM, Granger CL, Berney S, Jones J, Beach L, El-Ansary D, Koopman R, Denehy L. [Assessment of impairment and activity limitations in the critically ill: a systematic review of measurement instruments and their clinimetric properties](#). *Intensive Care Med* 2015;41(5):744-762.
356. Parry SM, Puthuchery ZA. [The impact of extended bed rest on the musculoskeletal system in the critical care environment](#). PMC4600281. *Extreme Physiology and Medicine* 2015;4:16.
357. Patak L, Wilson-Stronks A, Costello J, Kleinpell RM, Henneman EA, Person C, Happ MB. [Improving patient-provider communication: a call to action](#). PMC2904301. *J Nurs Adm* 2009;39(9):372-376.
358. [Patient Safety and Quality: An Evidence-based Handbook for Nurses](#). Rockville, MD: AHRQ Publication; 2008.
359. Pawson R, Tilley N. [Realistic Evaluation](#). London, UK: Sage, 1997.
360. Peel C, Sawyer Baker P, Roth DL, Brown CJ, Brodner EV, Allman RM. [Assessing mobility in older adults: the UAB study of aging life-space assessment](#). *Phys Ther* 2005;85(10):1008-1119.
361. Perlman A, Schulze-Delrieu K. [Deglutition and its disorders: anatomy, physiology, clinical diagnosis, and management](#). San Diego, CA: Singular Publishing Group, 1997
362. Perme C, Chandrashekar R. [Early mobility and walking program for patients in intensive care units: creating a standard of care](#). *American Journal of Critical Care* 2009;18(3):212-221.
363. Perme C, Nalty T, Winkelman C, Kenji Nawa R, Masud F. [Safety and efficacy of mobility interventions in patients with femoral catheters in the ICU: A prospective observational study](#). PMC3691704. *Cardiopulmonary Physical Therapy Journal* 2013;24(2):12-17.
364. Perme, C, Lettvin, C, Throckmorton, TA, Mitchell, K, Masud, F. [Early mobility and walking for patients with femoral arterial catheters in intensive care unit: a case series](#). *Journal of Acute Care Physical Therapy* 2011;2(1):30-34.
365. Peterson JF, Pun BT, Dittus RS, Thomason JWW, Jackson JC, Shintani AK, Ely EW. [Delirium and its motoric subtypes: a study of 614 critically ill patients](#). *J Am Geriatr Soc* 2006;54(3):479-484.
366. Pizano LR, Davies J, Corallo JP, Cantwell PG. [Critical care and monitoring of the pediatric burn patient](#). *J Craniofac Surg* 2008;19(4):929-932.
367. Plowman EK, Watts SA, Tabor L, Robison R, Gaziano J, Domer AS, Richter J, Vu T, Gooch C. [Impact of expiratory strength training in amyotrophic lateral sclerosis](#). PMC4879103. *Muscle Nerve* 2016;54(1):48-53.
368. Pohlman MC, Schweickert WD, Pohlman AS, Nigos C, Pawlik AJ, Esbrook CL, Spears L, Miller M, Franczyk M, Deprizio D, Schmidt GA, Bowman A, Barr R, McCallister K, Hall JB, Kress JP. [Feasibility of physical and occupational therapy beginning from initiation of mechanical ventilation](#). *Crit Care Med* 2010;38(11):2089-2094.
369. Pollack MM, Holubkov R, Funai T, Clark A, Berger JT, Meert K, Newth CJL, Shanley T, Moler F, Carcillo J, Berg RA, Dalton H, Wessel DL, Harrison RE, Doctor A, Dean JM, Jenkins TL, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network. [Pediatric intensive care outcomes: development of](#)

- [new morbidities during pediatric critical care](#). PMC4221484. *Pediatric Critical Care Medicine* 2014;15(9):821-827.
370. Porter C, Hardee JP, Herndon DN, Suman OE. [The role of exercise in the rehabilitation of patients with severe burns](#). PMC4272612. *Exerc Sport Sci Rev* 2015;43(1):34-40.
371. Porter M, Teisberg EO. [Redefining Health Care: Creating Value-based Competition on Results](#). Boston, MA: Harvard Business Press, 2013.
372. Porter ME, Larsson S, Lee TH. [Standardizing patient outcomes measurement](#). *N Engl J Med* 2016;374(6):504-506.
373. Porter, Michael E, and Elizabeth O. Teisberg. [Redefining Health Care: Creating Value-Based Competition on Results](#). Boston, MA: Harvard Business School Press, 2006.
374. Powers CR. [Safe Patient Handling: Clinical Culture Change for Improved Staff and Patient Outcomes](#). *Arizona Nurse* 2013;Nov-Jan 2013: 5.
375. Prime D, Arkless P, Fine J, Winter S, Wakefield DB, Scatena R. [Patient experiences during awake mechanical ventilation](#). PMC4763562. *Journal of Community Hospital Internal Medicine Perspectives* 2016;6(1):30426.
376. Pronovost P, Needham D, Berenholtz S, Sinopoli D, Chu H, Cosgrove S, Sexton B, Hyzy R, Welsh R, Roth G, Bander J, Kepros J, Goeschel C. [An intervention to decrease catheter-related bloodstream infections in the ICU](#). *N Engl J Med* 2006;355(26):2725-2732.
377. Pronovost PJ, Berenholtz SM, Needham DM. [Translating evidence into practice: a model for large scale knowledge translation](#). *BMJ* 2008;337:a1714.
378. Pronovost PJ, Goeschel CA, Marsteller JA, Sexton JB, Pham JC, Berenholtz SM. [Framework for patient safety research and improvement](#). *Circulation* 2009;119(2):330-337.
379. Pronovost P, Holzmueller CG, Needham DM, Sexton JB, Miller M, Berenholtz S, Wu AW, Perl TM, Davis R, Baker D, Winner L, Morlock L. [How will we know patients are safer? An organization-wide approach to measuring and improving safety](#). *Crit Care Med* 2006 Jul;34(7):1988-95.
380. Pronovost PJ, Murphy DJ, Needham DM. [The science of translating research into practice in intensive care](#). *American Journal of Respiratory and Critical Care Medicine* 2010;182(12):1463-1464.
381. Pronovost PJ. [Navigating adaptive challenges in quality improvement](#). *BMJ Quality & Safety* 2011;20(7):560-563.
382. Puthuchery ZA, Rawal J, McPhail M, Connolly B, Ratnayake G, Chan P, Hopkinson NS, Phadke R, Dew T, Sidhu PS, Velloso C, Seymour J, Agle CC, Selby A, Limb M, Edwards LM, Smith K, Rowleron A, Rennie MJ, Moxham J, Harridge SDR, Hart N, Montgomery HE. [Acute skeletal muscle wasting in critical illness](#). *The Journal of the American Medical Association* 2013;310(15):1591-1600.
383. Quinn, RE. [Building the Bridge As You Walk on It: A Guide for Leading Change](#). San Francisco, CA: Jossey-Bass, 2004.

384. Rabiee A, Nikayin S, Hashem MD, Huang M, Dinglas VD, Bienvenu OJ, Turnbull AE, Needham DM. [Depressive symptoms after critical illness: a systematic review and meta-analysis](#). *Crit Care Med* 2016;44(9):1744-1753.
385. Rader C, Nelson M, Sobek C, Smith M, Garcia R, Wright S, Moutray K, Shrum S, Richards NM. [Cardiac index based on measurements obtained in a bedside chair and in bed](#). *American Journal of Critical Care* 2011;20(3):210-5.
386. Ragavan VK, Greenwood KC, Bibi K. [The Functional Status Score for the Intensive Care Unit Scale](#). *Journal of Acute Care Physical Therapy* 2016;7(3):93-100.
387. Rappaport M, Goldman H, Thornton P, Stegner B, Moltzen S, Hall K, Gurevitz H, Attkisson CC. [A method for comparing two systems of acute 24-hour psychiatric care](#). *Hosp Community Psychiatry* 1987;38(10):1091-1095.
388. Reade MC, Eastwood GM, Bellomo R, Bailey M, Bersten A, Cheung B, Davies A, Delaney A, Ghosh A, van Haren F, Harley N, Knight D, McGuinness S, Mulder J, O'Donoghue S, Simpson N, Young P, Investigators D, Australian and New Zealand Intensive Care Society Clinical Trials Group. [Effect of dexmedetomidine added to standard care on ventilator-free time in patients with agitated delirium: a randomized clinical trial](#). *The Journal of the American Medical Association* 2016;315(14):1460-1468.
389. Reade MC, Finfer S. [Sedation and delirium in the intensive care unit](#). *N Engl J Med* 2014;370(5):444-454.
390. Reames CD, Price DM, King EA, Dickinson S. [Mobilizing patients along the continuum of critical care](#). *Dimensions of Critical Care Nursing* 2016;35(1):10-15.
391. [Reducing Waste in Health Care: Health Policy Briefs](#). *Health Affairs* 2012. [Internet]
392. Rehder KJ, Turner DA, Hartwig MG, Williford WL, Bonadonna D, Walczak RJ, Davis RD, Zaas D, Cheifetz IM. [Active rehabilitation during extracorporeal membrane oxygenation as a bridge to lung transplantation](#). PMC4346557. *Respir Care* 2013;58(8):1291-1298.
393. Rennie, D. [Users' Guides to the Medical Literature: A Manual for Evidence-Based Clinical Practice](#). New York, NY: McGraw Hill Medical, 2008.
394. Reynolds LC, Duncan MM, Smith GC, Mathur A, Neil J, Inder T, Pineda RG. [Parental presence and holding in the neonatal intensive care unit and associations with early neurobehavior](#). PMC3700586. *Journal of Perinatology* 2013;33(8):636-641.
395. Ridgeway K. [Metacognition, Critical Thinking, and Science Based Practice](#). PT Think Tank Blog; January 6, 2014.
396. Ridgeway K. [Physical Therapists in the ICU: ACTION for #ICUrehab](#). PT Think Tank Blog; November 2, 2014. [Internet]
397. Ridgeway K. [Physical Therapists in the ICU: Rationale for #ICUrehab](#). PT Think Tank Blog; October 25, 2014. [Internet]
398. Riker RR, Shehabi Y, Bokesch PM, Ceraso D, Wisemandle W, Koura F, Whitten P, Margolis BD, Byrne DW, Ely EW, Rocha MG, SEDCOM (Safety and Efficacy of Dexmedetomidine Compared With

- Midazolam) Study Group. [Dexmedetomidine vs midazolam for sedation of critically ill patients: a randomized trial](#). *The Journal of the American Medical Association* 2009;301(5):489-499.
399. Ringdal M, Plos K, Ortenwall P, Bergbom I. [Memories and health-related quality of life after intensive care: a follow-up study](#). *Crit Care Med* 2010;38(1):38-44.
400. Rivosecchi RM, Kane-Gill S, Svec S, Campbell S, Smithburger PL. [The implementation of a nonpharmacologic protocol to prevent intensive care delirium](#). *J Crit Care* 2016;31(1):206-211.
401. Roach KE, Van Dillen LR. [Development of an Acute Care Index of Functional status for patients with neurologic impairment](#). *Phys Ther* 1988;68(7):1102-1108.
402. Rodrigues KA, Machado FR, Chiari BM, Rosseti HB, Lorenzon P, Goncalves MIR. [Swallowing rehabilitation of dysphagic tracheostomized patients under mechanical ventilation in intensive care units: a feasibility study](#). PMC4396899. *Revista Brasileira de terapia intensiva* 2015;27(1):64-71.
403. Rubenfeld GD. [Implementing effective ventilator practice at the bedside](#). *Curr Opin Crit Care* 2004;10(1):33-39.
404. Rubin HR, Pronovost P, Diette GB. [The advantages and disadvantages of process-based measures of health care quality](#). *International Journal for Quality in Health Care* 2001;13(6):469-474.
405. Ruhl AP, Huang M, Colantuoni E, Lord RK, Dinglas VD, Chong A, Sepulveda KA, Mendez-Tellez P, Shanholtz CB, Steinwachs DM, Pronovost PJ, Needham DM. [Healthcare resource use and costs in long-term survivors of acute respiratory distress syndrome: A 5-year longitudinal cohort study](#). *Crit Care Med* 2016.
406. Russo MJ, Jeevanandam V, Stepney J, Merlo A, Johnson EM, Malyala R, Raman J. [Intra-aortic balloon pump inserted through the subclavian artery: A minimally invasive approach to mechanical support in the ambulatory end-stage heart failure patient](#). *J Thorac Cardiovasc Surg* 2012;144(4):951-955.
407. Saliski M, Kudchadkar SR. [Optimizing sedation management to promote early mobilization for critically ill children](#). PMC4686268. *Journal of Pediatric Intensive Care* 2015;4(4):188-193.
408. Samra HA, Dutcher J, McGrath JM, Foster M, Klein L, Djira G, Hansen J, Wallenburg D. [Effect of skin-to-skin holding on stress in mothers of late-preterm infants: a randomized controlled trial](#). *Advances in Neonatal Care* 2015;15(5):354-364.
409. Schaller SJ, Anstey M, Blobner M, Edrich T, Grabitz SD, Gradwohl-Matis I, Heim M, Houle T, Kurth T, Latronico N, Lee J, Meyer MJ, Peponis T, Talmor D, Velmahos GC, Waak K, Walz JM, Zafonte R, Eikermann M, International Early SOMS-guided Mobilization Research Initiative. [Early, goal-directed mobilisation in the surgical intensive care unit: a randomised controlled trial](#). *The Lancet* 2016;388(10052):1377-1388.
410. Scheel R, Pisegna JM, McNally E, Noordzij JP, Langmore SE. [Endoscopic assessment of swallowing after prolonged intubation in the ICU setting](#). *Ann Otol Rhinol Laryngol* 2016;125(1):43-52.
411. Schneier AJ, Shields BJ, Hostetler SG, Xiang H, Smith GA. [Incidence of pediatric traumatic brain injury and associated hospital resource utilization in the United States](#). *Pediatrics* 2006;118(2):483-492.

412. Schreiber MP, Colantuoni E, Bienvenu OJ, Neufeld KJ, Chen K, Shanholtz C, Mendez-Tellez P, Needham DM. [Corticosteroids and transition to delirium in patients with acute lung injury](#). PMC4028387. *Crit Care Med* 2014;42(6):1480-1486.
413. Schweickert WD, Hall J. [ICU-acquired weakness](#). *Chest* 2007;131(5):1541-1549.
414. 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](#). *The Lancet* 2009;373(9678):1874-1882.
415. Serafim RB, Bozza FA, Soares M, do Brasil PE, A.A., Tura BR, Ely EW, Salluh JIF. [Pharmacologic prevention and treatment of delirium in intensive care patients: A systematic review](#). *J Crit Care* 2015;30(4):799-807.
416. Sevransky JE, Martin GS, Mendez-Tellez P, Shanholtz C, Brower R, Pronovost PJ, Needham DM. [Pulmonary vs nonpulmonary sepsis and mortality in acute lung injury](#). PMC2849158. *Chest* 2008;134(3):534-538.
417. Shaker R, Li Q, Ren J, Townsend WF, Dodds WJ, Martin BJ, Kern MK, Rynders A. [Coordination of deglutition and phases of respiration: effect of aging, tachypnea, bolus volume, and chronic obstructive pulmonary disease](#). *Am J Physiol* 1992;263(5):G750-5.
418. Shann F, Pearson G, Slater A, Wilkinson K. [Paediatric index of mortality \(PIM\): a mortality prediction model for children in intensive care](#). *Intensive Care Med* 1997;23(2):201-207.
419. Shmula. [Change Management Model: Use a Crisis](#). 2009. [Internet]
420. Shojania KG, Grimshaw JM. [Evidence-based quality improvement: the state of the science](#). *Health Aff* 2005;24(1):138-150.
421. Shumock KM, Appel J, Toonstra A. [Axillary intra-aortic balloon pump placement as a means for safe mobility in a patient awaiting left ventricular assist device implantation: a case report](#). *Physical Therapy Journal* 2015. [Internet]
422. Silva ME, Feuser MR, Silva MP, Uhlig S, Parazzi PLF, Rosa GJ, Schivinski CIS. [Pediatric cardiac surgery: what to expect from physiotherapeutic intervention?](#) *Revista brasileira de cirurgia cardiovascular: orgao oficial da Sociedade Brasileira de Cirurgia Cardiovascular* 2011;26(2):264-272.
423. Skoretz SA, Flowers HL, Martino R. [The incidence of dysphagia following endotracheal intubation: a systematic review](#). *Chest* 2010;137(3):665-673.
424. Smith HAB, Boyd J, Fuchs DC, Melvin K, Berry P, Shintani A, Eden SK, Terrell MK, Boswell T, Wolfram K, Sopfe J, Barr FE, Pandharipande PP, Ely EW. [Diagnosing delirium in critically ill children: Validity and reliability of the Pediatric Confusion Assessment Method for the Intensive Care Unit](#). PMC3776416. *Crit Care Med* 2011;39(1):150-157.
425. Smith-Gabai H, American Occupational TA. [Occupational therapy in acute care](#). AOTA Press. Rockville, MD: 2011.

426. Sommers J, Vredevelde T, Lindeboom R, Nollet F, Engelbert RHH, van dS. de [Morton Mobility Index is feasible, reliable, and valid in patients with critical illness](#). *Phys Ther* 2016;96(10):1658-1666.
427. Sosnowski C, Ustik M. [Early intervention: coma stimulation in the intensive care unit](#). *The Journal of Neuroscience Nursing* 1994;26(6):336-341.
428. Sottile PD, Nordon-Craft A, Malone D, Schenkman M, Moss M. [Patient and family perceptions of physical therapy in the medical intensive care unit](#). PMC4637256. *J Crit Care* 2015;30(5):891-895.
429. SQUIRE. [SQUIRE 2.0 Guidelines](#). 2015. [Internet]
430. Sricharoenchai T, Parker AM, Zanni JM, Nelliott A, Dinglas VD, Needham DM. [Safety of physical therapy interventions in critically ill patients: a single-center prospective evaluation of 1110 intensive care unit admissions](#). *J Crit Care* 2014;29(3):395-400.
431. Stawicki SP, Goyal M, Sarani B. [High-frequency oscillatory ventilation \(HFOV\) and airway pressure release ventilation \(APRV\): a practical guide](#). *J Intensive Care Med* 2009;24(4):215-229.
432. Stein TP, Wade CE. [Metabolic consequences of muscle disuse atrophy](#). *J Nutr* 2005;135(7):1824S-1828S.
433. Steinberg KP, Hudson LD, Goodman RB, Hough CL, Lankester PN, Hyzy R, Thompson BT, Ancukiewicz M, National Heart, Lung, and Blood Institute Acute Respiratory Distress Syndrome (ARDS) Clinical Trials Network. [Efficacy and safety of corticosteroids for persistent acute respiratory distress syndrome](#). *N Engl J Med* 2006;354(16):1671-1684.
434. Stevens RD, Dowdy DW, Michaels RK, Mendez-Tellez P, Pronovost PJ, Needham DM. [Neuromuscular dysfunction acquired in critical illness: a systematic review](#). *Intensive Care Med* 2007;33(11):1876-1891.
435. Straney L, Clements A, Parslow RC, Pearson G, Shann F, Alexander J, Slater A, ANZICS Paediatric Study Group and the Paediatric Intensive Care Audit Network. [Paediatric index of mortality 3: an updated model for predicting mortality in pediatric intensive care](#). *Pediatric Critical Care Medicine* 2013;14(7):673-681.
436. Straus, SE, Tetroe J, and Graham ID. [Knowledge Translation in Health Care: Moving from Evidence to Practice](#). Chichester, UK: Wiley-Blackwell/BMJ, 2009.
437. Stucky K, Jutte JE, Warren AM, Jackson JC, Merbitz N. [A survey of psychology practice in critical-care settings](#). *Rehabilitation Psychology* 2016;61(2):201-209.
438. Su H, Hsiao T, Ku S, Wang T, Lee J, Tzeng W, Huang G, Chen CC. [Tongue weakness and somatosensory disturbance following oral endotracheal extubation](#). *Dysphagia* 2015;30(2):188-195.
439. Sung NS, Crowley WF, Genel M, Salber P, Sandy L, Sherwood LM, Johnson SB, Catanese V, Tilson H, Getz K, Larson EL, Scheinberg D, Reece EA, Slavkin H, Dobs A, Grebb J, Martinez RA, Korn A, Rimoim D. [Central challenges facing the national clinical research enterprise](#). *The Journal of the American Medical Association* 2003;289(10):1278-1287.

440. Sutt A, Caruana LR, Dunster KR, Cornwell PL, Anstey CM, Fraser JF. [Speaking valves in tracheostomised ICU patients weaning off mechanical ventilation--do they facilitate lung recruitment?](#) PMC4818462. *Critical Care* 2016;20:91.
441. Toiien K, Myhren H, Bredal IS, Skogstad L, Sandvik L, Ekeberg O. [Psychological distress after severe trauma: a prospective 1-year follow-up study of a trauma intensive care unit population.](#) *J Trauma* 2010;69(6):1552-1559.
442. Tappen RM, Roach KE, Buchner D, Barry C, Edelstein J. [Reliability of physical performance measures in nursing home residents with Alzheimer's disease.](#) PMC1965283. *The Journals of Gerontology.Series A, Biological Sciences and Medical Sciences* 1997;52(1):M52-5.
443. Taylor S, Manning S, Quarles J. [A multidisciplinary approach to early mobilization of patients with burns.](#) *Crit Care Nurs Q* 2013;36(1):56-62.
444. Teasdale G, Jennett B. [Assessment of coma and impaired consciousness. A practical scale.](#) *The Lancet* 1974;2(7872):81-84.
445. Tepas JJ, Leaphart CL, Pieper P, Beaulieu CL, Spierre LR, Tuten JD, Celso BG. [The effect of delay in rehabilitation on outcome of severe traumatic brain injury.](#) *J Pediatr Surg* 2009;44(2):368-372.
446. The Children's Hospital of Philadelphia Institutional Review Board. [Quality Improvement vs Research.](#) [Internet]
447. The ICU Recovery Center at Vanderbilt. [ICU Delirium and Cognitive Impairment Study Group.](#) [Internet]
448. Thomsen GE, Snow GL, Rodriguez L, Hopkins RO. [Patients with respiratory failure increase ambulation after transfer to an intensive care unit where early activity is a priority.](#) *Crit Care Med* 2008;36(4):1119-1124.
449. Tipping CJ, Bailey MJ, Bellomo R, Berney S, Buhr H, Denehy L, Harrold M, Holland A, Higgins AM, Iwashyna TJ, Needham D, Presneill J, Saxena M, Skinner EH, Webb S, Young P, Zanni J, Hodgson CL. [The ICU Mobility Scale has construct and predictive validity and is responsive. a multicenter observational study.](#) *Annals of the American Thoracic Society* 2016;13(6):887-893.
450. Tobin MJ. [Advances in mechanical ventilation.](#) *N Engl J Med* 2001;344(26):1986-1996.
451. Toonstra AL, Zanni JM, Sperati CJ, Nelliott A, Manthey E, Skinner EH, Needham DM. [Feasibility and safety of physical therapy during continuous renal replacement therapy in the intensive care unit.](#) *Annals of the American Thoracic Society* 2016;13(5):699-704.
452. Tsui AS, Wang H, Xin KR. [Organizational culture in China: an analysis of culture dimensions and culture types.](#) *Management and Organization Review* 2006;2(03):345-376.
453. Turner DA, Cheifetz IM, Rehder KJ, Williford WL, Bonadonna D, Banuelos SJ, Peterson-Carmichael S, Lin SS, Davis RD, Zaas D. [Active rehabilitation and physical therapy during extracorporeal membrane oxygenation while awaiting lung transplantation: a practical approach.](#) *Crit Care Med* 2011;39(12):2593-2598.

454. Turner-Stokes L, Disler R, Williams H. [The Rehabilitation Complexity Scale: a simple, practical tool to identify 'complex specialised' services in neurological rehabilitation](#). *Clinical Medicine* 2007;7(6):593-599.
455. Turner-Stokes L, Scott H, Williams H, Siegert R. [The Rehabilitation Complexity Scale--extended version: detection of patients with highly complex needs](#). *Disabil Rehabil* 2012;34(9):715-720.
456. Ullenhag A, Persson K, Nyqvist KH. [Motor performance in very preterm infants before and after implementation of the newborn individualized developmental care and assessment programme in a neonatal intensive care unit](#). *Acta Paediatrica* 2009;98(6):947-952.
457. Umei N, Atagi K, Okuno H, Usuke S, Otsuka Y, Ujiro A, Shimaoka H. [Impact of mobilisation therapy on the haemodynamic and respiratory status of elderly intubated patients in an intensive care unit: A retrospective analysis](#). *Intensive and Critical Care Nursing* 2016;35:16-21.
458. Umoh NJ, Fan E, Mendez-Tellez P, Sevransky JE, Dennison CR, Shanholtz C, Pronovost PJ, Needham DM. [Patient and intensive care unit organizational factors associated with low tidal volume ventilation in acute lung injury](#). *Crit Care Med* 2008;36(5):1463-1468.
459. Urbach DR, Baxter NN. [Reducing variation in surgical care](#). PMC558361. *BMJ* 2005;330(7505):1401-1402.
460. Utter AC, Robertson RJ, Nieman DC, Kang J. [Children's OMNI Scale of Perceived Exertion: walking/running evaluation](#). *Med Sci Sports Exerc* 2002;34(1):139-144.
461. van den Berghe G, Schoonheydt K, Bexx P, Bruyninckx F, Wouters PJ. [Insulin therapy protects the central and peripheral nervous system of intensive care patients](#). *Neurology* 2005;64(8):1348-1353.
462. van den Berghe G, Wilmer A, Hermans G, Meersseman W, Wouters PJ, Milants I, Van Wijngaerden E, Bobbaers H, Bouillon R. [Intensive insulin therapy in the medical ICU](#). *N Engl J Med* 2006;354(5):449-461.
463. van den Berghe, Wouters P, Weekers F, Verwaest C, Bruyninckx F, Schetz M, Vlasselaers D, Ferdinande P, Lauwers P, Bouillon R. [Intensive insulin therapy in critically ill patients](#). *N Engl J Med* 2001;345(19):1359-1367.
464. Van Rompaey B, Elseviers MM, Van Drom W, Fromont V, Jorens PG. [The effect of earplugs during the night on the onset of delirium and sleep perception: a randomized controlled trial in intensive care patients](#). PMC3580615. *Critical Care* 2012;16(3):R73.
465. Vasilevskis EE, Ely EW, Speroff T, Pun BT, Boehm L, Dittus RS. [Reducing iatrogenic risks: ICU-acquired delirium and weakness--crossing the quality chasm](#). PMC4694109. *Chest* 2010;138(5):1224-1233.
466. Vasilevskis EE, Ely EW, Speroff T, Pun BT, Boehm L, Dittus RS. [Reducing iatrogenic risks: ICU-acquired delirium and weakness--crossing the quality chasm](#). PMC4694109. *Chest* 2010;138(5):1224-1233.

467. Vogelsang J. [Quantitative research versus quality assurance, quality improvement, total quality management, and continuous quality improvement](#). *Journal of perianesthesia nursing: official journal of the American Society of PeriAnesthesia Nurses* 1999;14(2):78-81.
468. Wahab R, Yip NH, Chandra S, Nguyen M, Pavlovich KH, Benson T, Vilotijevic D, Rodier DM, Patel KR, Rychcik P, Perez-Mir E, Boyle SM, Berlin D, Needham DM, Brodie D. [The implementation of an early rehabilitation program is associated with reduced length of stay: A multi-ICU study](#). *Journal of the Intensive Care Society* 2016;17(1):2-11.
469. Walker, Rachel. [Long-term cognitive impairment and delirium in intensive care \(LOGIC\): A prospective cohort study](#) [online]. *The Queensland Nurse* 2015;34(6), Dec 2015: 27.
470. Wang YT, Haines TP, Ritchie P, Walker C, Ansell TA, Ryan DT, Lim P, Vij S, Acs R, Fealy N, Skinner EH. [Early mobilization on continuous renal replacement therapy is safe and may improve filter life](#). PMC4262200. *Critical Care* 2014;18(4):R161.
471. Waters A, Hill K, Jenkins S, Johnston C, Mackney J. [Discordance between distance ambulated as part of usual care and functional exercise capacity in survivors of critical illness upon intensive care discharge: observational study](#). *Phys Ther* 2015;95(9):1254-1263.
472. Weeks A. [Integration of theory into assessment and treatment: the person-environment-occupation model in the intensive care unit](#). *SIS Quarterly Practice Connections* 2016;1(3):22-24. [Internet]
473. Welch, KM. A. [Primer on Cerebrovascular Diseases](#). San Diego, CA: Academic Press, 1997.
474. Wellington A, Perlman JM. [Infant-driven feeding in premature infants: a quality improvement project](#). *Archives of Disease in Childhood* 100(6):F495-500.
475. Welton C, Morrison M, Catalig M, Chris J, Pataki J. [Can an interprofessional tracheostomy team improve weaning to decannulation times? A quality improvement evaluation](#). PMC4751971. *Canadian Journal of Respiratory Therapy* 2016;52(1):7-11.
476. Wensing M, Bosch M, Grol R. [Developing and selecting interventions for translating knowledge to action](#). PMC2817342. *Can Med Assoc J* 2010;182(2):E85-8.
477. Werner RM, Bradlow ET, Asch DA. [Hospital performance measures and quality of care](#). *LDI issue brief* 2008;13(5):1-4.
478. Westfall JM, Mold J, Fagnan L. [Practice-based research--"Blue Highways" on the NIH roadmap](#). *The Journal of the American Medical Association* 2007;297(4):403-406.
479. [Who are physical therapists?](#) American Physical Therapy Association. [Internet]
480. Wieczorek B, Ascenzi J, Kim Y, Lenker H, Potter C, Shata NJ, Mitchell L, Haut C, Berkowitz I, Pidcock F, Hoch J, Malamed C, Kravitz T, Kudchadkar SR. [PICU Up!: impact of a quality improvement intervention to promote early mobilization in critically ill children](#). *Pediatric Critical Care Medicine* 2016.
481. Wieczorek B, Burke C, Al-Harbi A, Kudchadkar SR. [Early mobilization in the pediatric intensive care unit: a systematic review](#). PMC4568750. *Journal of pediatric intensive care* 2015;2015:129-170.

482. Wilde EA, Whiteneck GG, Bogner J, Bushnik T, Cifu DX, Dikmen S, French L, Giacino JT, Hart T, Malec JF, Millis SR, Novack TA, Sherer M, Tulsky DS, Vanderploeg RD, von Steinbuechel N. [Recommendations for the use of common outcome measures in traumatic brain injury research](#). *Arch Phys Med Rehabil* 2010;91(11):1650-1660.e17.
483. Willerson, JT. [Cardiovascular Medicine](#). London: Springer, 2007.
484. Wilson T, Berwick DM, Cleary PD. [What do collaborative improvement projects do? Experience from seven countries](#). *Joint Commission journal on quality and safety*2003;29(2):85-93.
485. Winkelman C, Peereboom K. [Staff-perceived barriers and facilitators](#). *Crit Care Nurse* 2010;30(2):S13-6.
486. Winkelman C. [Inactivity and inflammation in the critically ill patient](#). *Crit Care Clin* 2007;23(1):21-34.
487. Witcher R, Stoerger L, Dzierba AL, Silverstein A, Rosengart A, Brodie D, Berger K. [Effect of early mobilization on sedation practices in the neurosciences intensive care unit: a preimplementation and postimplementation evaluation](#). *J Crit Care* 2015;30(2):344-347.
488. Wolf SE, Rose JK, Desai MH, Mileski JP, Barrow RE, Herndon DN. [Mortality determinants in massive pediatric burns. An analysis of 103 children with > or = 80% TBSA burns \(> or = 70% full-thickness\)](#). PMC1190795. *Ann Surg* 1997;225(5):554-65; discussion 565.
489. Wolters AE, van Dijk D, Pasma W, Cremer OL, Looije MF, de Lange D,W., Veldhuijzen DS, Slooter AJC. [Long-term outcome of delirium during intensive care unit stay in survivors of critical illness: a prospective cohort study](#). PMC4095683. *Critical Care* 2014;18(3):R125.
490. Woolf SH. [The meaning of translational research and why it matters](#). *The Journal of the American Medical Association* 2008;299(2):211-213.
491. Wyskiel RM, Weeks K, Marsteller JA. [Inviting families to participate in care: a family involvement menu](#). *Joint Commission Journal on Quality and Patient Safety* 2015;41(1):43-46.
492. Yosefy C, Hay E, Ben-Barak A, Derazon H, et al. [BiPAP ventilation as assistance for patients presenting with respiratory distress in the department of emergency medicine](#). *American Journal of Respiratory Medicine* 2003;2(4):343-347.
493. Younesian S, Yadegari F, Soleimani F. [Impact of oral sensory motor stimulation on feeding performance, length of hospital stay, and weight gain of preterm infants in NICU](#). PMC4583832. *Iranian Red Crescent Medical Journal* 2015;17(7):e13515.
494. Zaal IJ, Slooter AJC. [Delirium in critically ill patients: epidemiology, pathophysiology, diagnosis and management](#). *Drugs* 2012;72(11):1457-1471.
495. Zanni JM, Korupolu R, Fan E, Pradhan P, Janjua K, Palmer JB, Brower RG, Needham DM. [Rehabilitation therapy and outcomes in acute respiratory failure: an observational pilot project](#). *J Crit Care* 2010;25(2):254-262.
496. Zanni JM, Needham DM. [Promoting early mobility and rehabilitation in the intensive care unit](#). *PT in Motion* 2010:32-39.
497. Zifko UA. [Long-term outcome of critical illness polyneuropathy](#). *Muscle and Nerve* 2000;9:S49-52.