

REFERENCES

- AAP, AHA:** Textbook of Neonatal Resuscitation. American Heart Association 2006.
- AARC and Respiratory Care Journal:** Neonatal Time-Triggered, Pressure-Limited, Time-Cycled Mechanical Ventilation, Retired July 2004, Reprinted from RESPIRATORY CARE (Respir Care 1994; 39(8):808-816), AARC Clinical Practice Guideline (AARC & RCJ, 2004)
- AARC Clinical Practice Guideline (AARC-2):** Selection of an Oxygen Delivery Device for Neonatal and Pediatric Patients -- 2002 Revision & Update, Reprinted from RESPIRATORY CARE (Respir Care 2002; 47(6):707-716)
- Abdel-Hady H, Hawas S, El-Daker M & El-Kady R:** Extended-spectrum beta-lactamase producing *Klebsiella pneumoniae* in neonatal intensive care unit. *J Perinatol*. 2008 Oct; 28(10):685-90. Epub 2008 Jun 26.
- Abubakar KM & Keszler M (2):** Patient-ventilator interactions in new modes of patient-triggered ventilation. *Pediatr Pulmonol* 2001; 32:71-5
- Abubakar K & Keszler M (1):** Effect of volume guarantee combined with assist/control vs. synchronized intermittent mandatory ventilation. *J Perinatol* 2005;
- Abu-Heija AT:** Maternal and neonatal outcome of high order gestation. *Arch Gynecol Obstet*. 2003 Apr; 268(1):15-8. Epub 2002 Apr 18.
- Adamkin DH:** Issues in the nutritional support of the ventilated baby. *Clin Perinatol* 1998 Mar; 25(1): 79-96.
- Agarwal R:** The low-flow or high-flow oxygen delivery system and a low-flow or high-flow nonbreather mask. *Am. J. Respir. Crit. Care Med*. 174: 1055a-1055a (2006).
- Agbaht K, Diaz E, Muñoz E, Lisboa T, Gomez F, Depuydt PO, Blot SI & Rello J :** Bacteremia in patients with ventilator-associated pneumonia is associated with increased mortality: A study comparing bacteremic vs. nonbacteremic ventilator-associated pneumonia. Comment in: *Crit Care Med*. 2007 Sep; 35(9):2215-6. *Crit Care Med*. 2007 Sep; 35(9):2064-70.
- Ahluwalia JS, White DK & Morley CJ:** Infant flow driver or single prong nasal continuous positive airway pressure: short-term physiological effects. *Acta Paediatr* 1998; 87:325-7.
- Ainsworth AP, Ruager AR & Holtved E:** [Neonatal pneumothorax]. AD - University of Vermont Department of Pediatrics, Burlington, Vermont. Vermont Oxford Network, Burlington, Vermont, USA. horbar@vtoxford.org PMID-12093960, *Ugeskr Laeger*. 2000 Dec 4; 162(49):6679-82, Comment in: *Ugeskr Laeger*. 2001 Feb 12; 163(7):936-7.
- Aly H, Herson V, Duncan A, Herr J, Bender J, Patel K & El-Mohandes AA:** Is bloodstream infection preventable among premature infants? A tale of two cities. *Pediatrics*. 2005 Jun; 115(6):1513-8.
- Aly H, Massaro AN, Patel K & El-Mohandes AA:** Is it safer to intubate premature infants in the delivery room? *Pediatrics*. 2006 May; 117(5):1858-9; author reply 1859. *Pediatrics*. 2005 Jun; 115(6):1660-5.
- Aly H, Milner JD, Patel K & El-Mohandes AA:** Does the experience with the use of nasal continuous positive airway pressure improve over time in extremely low birth weight infants? *Pediatrics*. 2004 Sep; 114(3):697-702.
- Amar D, Brodman LE, Winikoff SA & Hollinger I:** An alternative oxygen delivery system for infants and children in the post-anaesthesia care unit. *Can J Anaesth* 1991; 38(1):49-53.
- Ambrosino N & Rossi A:** Proportional assist ventilation (PAV): a significant advance or a futile struggle between logic and practice?. *Thorax* 2002 Mar; 57(3): 272-6.
- American Academy of Pediatrics, American College of Obstetricians and Gynecologists, (AAP-ACOG):** Guidelines for perinatal care, 2nd ed. 1988:246-247.
- American Academy of Pediatrics, Committee on Children with Disabilities, (AAP-CCWD):** Developmental surveillance and screening of infants and young children. *Pediatrics* 2001 Jul; 108(1): 192-6.

- American Academy of Pediatrics, Committee on Infectious Diseases, (AAP-CCID):* Recommended childhood immunization schedule-United States, 2002. *Pediatrics* 2002 Jan; 109(1): 162.
- American Academy of Pediatrics, Section on Ophthalmology, (AAP-SO):* Screening examination of premature infants for retinopathy of prematurity. *Pediatrics* 2001 Sep; 108(3): 809-11.
- American Association for Respiratory Care (AARC):* Clinical practice guideline: endotracheal suctioning of mechanically ventilated adults and children with artificial airways. *Respir Care* 1993; 38(5):500-504.
- American Association for Respiratory Care (AARC):* clinical practice guideline. Application of continuous positive airway pressure to neonates via nasal prongs or nasopharyngeal tube. *Respir Care* 1994 Aug; 39(8):817-23. This summary was completed by ECRI on November 30, 1998. The information was verified by the guideline developer on December 15, 1998. This NGC summary was updated by ECRI on March 22, 2005. (AARC, 2005)
- American Association for Respiratory Care (AARC.I):* Clinical practice guideline: humidification during mechanical ventilation. *Respir Care* 1992; 37(8):887-890.
- American Association for Respiratory Care. (AARC):* Clinical practice guideline: ventilator circuit changes. *Respir Care* 1994;39(8):797-802.
- American Association for Respiratory Care. (AARC.2):* Clinical practice guideline: patient-ventilator system checks. *Respir Care* 1992; 37(8):882-886.
- American Association for Respiratory Care. (AARC-I):* Clinical Practice Guideline: Oxygen therapy in the acute care facility -- 2002 revision and update. *Respir Care* 2002; 47(6): xxx-xxx.
- American Association for Respiratory Care. AARC:* Clinical Practice Guideline: Patient-ventilator system checks. *Respir Care* 1992; 37(8):882-886.
- American Association for Respiratory Care: AARC Clinical Practice Guideline:* Transcutaneous blood gas monitoring for neonatal and pediatric patients. *Respir Care* 1994;39(12):1176-1179.
- American Association for Respiratory Care: AARC Clinical practice guideline:* Bland aerosol therapy. *Respir Care* 1993; 38(11):1196-1199.
- American Association for Respiratory Care: AARC Clinical practice guideline:* pulse oximetry. *Respir Care* 1991; 36(12):1406-1409.
- American Association for Respiratory Care: AARC. Clinical Practice Guideline:* Oxygen therapy for adults in the acute care hospital—2002 revision & update. *Respir Care* 2002; 47(6):717-720.
- American Association for Respiratory Care:* Application of continuous positive airway pressure to neonates via nasal prongs, nasopharyngeal tube, or nasal mask--2004 revision & update. *Respir Care* 2004 Sep; 49(9):1100-8. [113 references]
- Ammari A, Suri S, Milisavljevic V, Sahni R,Bateman D,Sanocka U, Ruzal-Shapiro C, Wung J and Polin R A :* Variables Associated with the Early Failure of Nasal CPAP in Very Low Birth Weight Infants. *Newborn and Infant Nursing Reviews*, Volume 6, Issue 2, June 2006, Pages 68-75- Received 22 July 2004; revised 5 April 2005; accepted 26 April 2005. See editorial, p 284. Available online 22 September 2005.
- Anzueto a, Frutos-Vivar F, Esteban a, Brochard L, Stewart T, et al:* Incidence, risk factors and outcome of barotrauma in mechanically ventilated patients. *Intensive Care Med.* Apr 2004; 30(4):612-9.
- Apisarnthanarak A, Holzmann-Pazgal G, Hamvas A, Olsen MA& Fraser VJ:* Ventilator-associated pneumonia in extremely preterm neonates in a neonatal intensive care unit: characteristics, risk factors, and outcomes. *Comment in: Pediatrics.* 2003 Dec;112(6 Pt 1):1420-1. *Pediatrics.* 2003 Dec;112(6 Pt 1):1283-9.
- Apostolopoulou E, Bakakos P, Katostaras T& Gregorakos L :* Incidence and risk factors for ventilator-associated pneumonia in 4 multidisciplinary intensive care units in Athens, Greece. *Respir Care.* 2003 Jul;48(7):681-8.
- Asakura H, Ichikawa H, Nakabayashi M, Ando K, Kaneko K, Kawabata M, Tani A, Satoh M, Takahashi K& Sakamoto S:* Perinatal risk factors related to neurologic outcomes of term newborns with asphyxia at birth: a prospective study. *J Obstet Gynaecol Res.* 2000 Oct;26(5):313-24.

- Asakura H, Ichikawa H, Nakabayashi M, Ando K, Kaneko K, Kawabata M, Tani A, Satoh M, Takahashi K & Sakamoto S:** Perinatal risk factors related to neurologic outcomes of term newborns with asphyxia at birth: a prospective study. *J Obstet Gynaecol Res.* 2000 Oct;26(5):313-24.
- Aurangzeb B & Hameed A:** Neonatal sepsis in hospital-born babies: bacterial isolates and antibiotic susceptibility patterns. *J Coll Physicians Surg Pak.* 2003 Nov;13(11):629-32. Comment in: *J Coll Physicians Surg Pak.* 2004 Feb;14(2):125; author reply 125-6. & *J Coll Physicians Surg Pak.* 2004 Mar;14(3):195; author reply 196.
- Avery ME, Tooley WH, Keller JB, et al.:** Is chronic lung disease in low birth weight infants preventable? A survey of eight centers. *Pediatrics* 1987; **79**:26–30.
- Ayan M, Kuzucu C, Durmaz R, Aktas E & Cizmeci Z:** Analysis of three outbreaks due to *Klebsiella* species in a neonatal intensive care unit. *Infect Control Hosp Epidemiol.* 2003 Jul;24(7):495-500.
- Babcock HM, Zack JE, Garrison T, Trovillion E, Jones M, Fraser VJ & Kollef MH:** An educational intervention to reduce ventilator-associated pneumonia in an integrated health system: a comparison of effects. *Chest.* 2004 Jun;125(6):2224-31.
- Bachman TE:** Evidence-based medicine: NCPAP in weaning preterm infants from ventilators. *Neonatal Intensive Care* 2000; 13(1):15-19.
- Bagolan P, Casaccia G & Crescenzi F:** Impact of a current treatment protocol on outcome of high-risk congenital diaphragmatic hernia. *J Pediatr Surg* 2004 Mar; 39(3): 313-8; discussion 313-8.
- Balaguer A, Escribano J, Roqué I & Figuls M:** Infant position in neonates receiving mechanical ventilation. *Cochrane Database of Systematic Reviews* 2006, Issue 4. Art. No.: CD003668. DOI: 10.1002/14651858.CD003668.pub2. Republished online with edits: 16 July 2008 in Issue 3, 2008.
- Bancalari E, Claure N & Sosenko IR:** Bronchopulmonary dysplasia: changes in pathogenesis, epidemiology and definition. *Semin Neonatol* 2003 Feb; 8(1): 63-71.
- Bancalari E & Sosenko I:** Pathogenesis and prevention of neonatal chronic lung disease: recent developments. *Pediatr Pulmonol* 1990; 8(2): 109-16.
- Bancalari E:** Neonatal chronic lung disease. In: *Neonatal Perinatal Medicine: Diseases of the Fetus and Infant.* 6th ed. 1997: 1082.
- Banks BA, Seri I & Ischiropoulos H:** Changes in oxygenation with inhaled nitric oxide in severe bronchopulmonary dysplasia. *Pediatrics* 1999 Mar; 103(3): 610-8.
- Barnett ED & Klein JO:** Bacterial infections of the respiratory tract. In: Remington JS, Klein JO, eds. *Infectious Diseases of the Fetus and Newborn Infant.* 5th ed. Philadelphia: WB Saunders Co; 2001:999-1018.
- Barrington KJ, Bull D & Finer NN:** Randomized trial of nasal synchronized intermittent mandatory ventilation compared with continuous positive airway pressure after extubation of very low birth weight infants. *Pediatrics* 2001;107:638–41.
- Barton L, Hodgman JE & Pavlova Z:** Causes of death in the extremely low birth weight infant. *Pediatrics* 1999 Feb; 103(2): 446-51.
- Bateman N T & Leach R M:** *ABC of Oxygen*, Clinical review-Acute oxygen therapy *BMJ* 1998; 317:798-801 (19 September)
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- Baumer JH:** International randomized controlled trial of patient triggered ventilation in neonatal respiratory distress syndrome. *Arch Dis Child Fetal Neonatal Ed* 2000;82:F5–10.
- Beckham RW & Mishoe SC:** Sound levels inside incubators and oxygen hoods used with nebulizers and humidifiers. *Respir Care* 1982; 27(1):33-40.
- Behrman RE et al.:** *Nelson Textbook of Pediatrics.* 16th Edition 2000.
- Bekku S, Mitsuda N, Ogita K, Suehara N, Fujimura M & Aono T:** High incidence of respiratory distress syndrome (RDS) in infants born to mothers with placenta previa. *J Matern Fetal Med.* 2000 Mar-Apr;9(2):110-3.

- Bellettato M, 2006:** Assisted Ventilation of the Newborn, Edi(s): S M Donn, M L Windle, , Inc; Brian S Carter, Carol L Wagner, and Ne N Finer : eMedicine Specialties > Pediatrics > Neonatology ,Last Updated: June 26, 2006
Rate this Article
- Benjamin DK Jr, DeLong ER, Cotten CM, Garges HP, Clark RH:** Postconception age and other risk factors associated with mortality following Gram-negative rod bacteremia. J Perinatol. 2004 Mar;24(3):169-74.
- Beresford MW, Shaw NJ& Manning D:** Randomised controlled trial of patient triggered and conventional fast rate ventilation in neonatal respiratory distress syndrome. Arch Dis Child Fetal Neonatal Ed 2000 Jan; 82(1): F14-8.
- Berger TM, Bachmann II, Adams M& Schubiger G:**Impact of improved survival of very low-birth-weight infants on incidence and severity of bronchopulmonary dysplasia. Biol Neonate. 2004;86(2):124-30. Epub 2004 Jun 10.
- Berggren E, Liljedahl M, Winblad B, et al.:** Pilot study of nebulized surfactant therapy for neonatal respiratory distress syndrome. Acta Paediatr 2000; **89**:460–4.
- Bernstein G, Mannino FL, Heldt GP, et al:** Randomized multicenter trial comparing synchronized and conventional intermittent mandatory ventilation in neonates. J Pediatr 1996 Apr; 128(4): 453-63.
- Bhatt AJ, Ryan RM , Edi(s): Steven M Donn,; Mary L Windle, eMedicine.com, Inc; Brian S Carter, Carol L Wagner, and Neil N Finer:** Pulmonary Interstitial Emphysema, Medicine> Pediatrics > Neonatology ,Last Updated: May 22, 2006.
- Bhuta T, Clark RH& Henderson-Smart DJ:** Rescue high frequency oscillatory ventilation vs conventional ventilation for infants with severe pulmonary dysfunction born at or near term. Cochrane Database Syst Rev. 2001 ;(1):CD002974.
- Bhutani VK, Bowen FW, Sivieri EM.:** Postnatal changes in pulmonary mechanics and energetics of infants with respiratory distress syndrome following surfactant treatment. Biol Neonate. 2005; 87(4):323-31. Epub 2005 Jun 1
- Bissinger R L:** Neonatal Resuscitation.Coauthor(s): Ohning B L, Edi (s): Rosenkrantz T, Windle M L, Clark D A, Wagner C L, and Finer NN. e Medicine Specialties > Pediatrics > Neonatology. Last Updated: August 22, 2006
- Blayney M, Kerem E&Whyte H:** Bronchopulmonary dysplasia: Improvements in lung function between 7 and 10 years of age. J Pediatr 1991 Feb; 118(2): 201-6.
- Bluestone CD, Stool SE, Kenna ME:** Pediatric Otolaryngology. 3rd ed. Philadelphia, PA: WB Saunders,1995 :841 –842
- Bohlin K, Bouhafs RK, Jarstrand C, Curstedt T, Blennow M& Robertson B:** Spontaneous breathing or mechanical ventilation alters lung compliance and tissue association of exogenous surfactant in preterm newborn rabbits. Pediatr Res. 2005 May; 57(5 Pt 1):624-30. Epub 2005 Feb
- Bollen CW, Uiterwaal CS, van Vught AJ:** Cumulative metaanalysis of high-frequency versus conventional ventilation in premature neonates. Am J Respir Crit Care Med. 2003 Nov 15;168(10):1150-5.
- Bolyard EA, Tablan OC, Williams WW, Pearson ML, Shapiro CN& Deitchmann SD:** Guideline for infection control in healthcare personnel, 1998. Hospital Infection Control Practices Advisory Committee. Infect Control Hosp Epidemiol 1998; 19(6):407-463. Erratum in: Infect Control Hosp Epidemiol 1998; 19(7):493.
- Bone RC, Grodzin CJ& Balk RA:** Sepsis: a new hypothesis for pathogenesis of the disease process. Chest 1997 Jul; 112(1): 235-43.
- Bongianni F, Corda M, Fontana G& Pantaleo T:** Influences of superior laryngeal afferent stimulation on expiratory activity in cats. J Appl Physiol 1988;65(1):385-392.
- Bonten MJ, Kullberg BJ, van Dalen R, Girbes AR, Hoepelman IM, Hustinx W, van Der Meer JW, Speelman P, Stobberingh EE,Verbrugh HA, et al.** Selective digestive decontamination in patients in intensive care. J Antimicrob Chemother 2000; 46: 351-362.
- Boo NY, Zuraidah AL, Lim NL, and Zulfiqar MA:** Predictors of failure of nasal continuous positive airway pressure in treatment of preterm infants with respiratory distress syndrome. J Trop Pediatr 2000; 46(3):172-175.

- Booth C, Premkumar M H, Yannoulis A, Thomson M, Harrison M and Edwards A D:** Sustainable use of continuous positive airway pressure in extremely preterm infants during the first week after delivery Published Online First: 4 July 2006. doi:10.1136/adc.2005.092478
- Bose C, Corbet A, Bose G:** Improved outcome at 28 days of age for very low birth weight infants treated with a single dose of a synthetic surfactant. *J Pediatr* 1990 Dec; 117(6): 947-53.
- Boussarsar M, Thierry G, Jaber S, Roudot-Thoraval F, Lemaire F, Brochard L:** Relationship between ventilatory settings and barotrauma in the acute respiratory distress syndrome. *Intensive Care Med.* Apr 2002; 28(4):406-13.
- Bowe L & Clarke P:** Current use of nasal continuous positive airways pressure in neonates. *Arch Dis Child Fetal Neonatal Ed.* 2005 Jan; 90(1):F92-3.
- Bowman E & Fraser S-1 (2005):** Chronic Lung Disease. Department of Neonatal Medicine Protocol Book, Royal Prince Alfred Hospital, Sydney, NSW. www.cs.nsw.gov.au/rpa/neonatal
- Bowman E & Fraser S-2:** Oxygen Therapy. Department of Neonatal Medicine Protocol Book, Royal Prince Alfred Hospital, Sydney, NSW. www.cs.nsw.gov.au/rpa/neonatal, Last Updated 21-Oct-2005. Authorised by: Neonatal Handbook Editorial Board.
- Bowman E& Fraser S:** Pneumothorax Drainage, Stabilization and Transport of Newborn Infants and At-Risk Pregnancies. *Bowman ED, Levi SM, Presbury FE, McLean A.* Newborn Emergency Transport Service, 4th Edition, 1998. . Last Updated 13-Feb-2007. Authorised by: Neonatal Handbook Editorial Board.
- Bowman JG:** Pneumothorax, Tension and Traumatic Edi(s): Salomone JA, Talavera F, Legome E, Halamka J, Kulkarni R, Last Updated: August 28, 2006: eMedicine Specialties > Emergency Medicine > Trauma And Orthopedics.
- Boyd S:** Causes and treatment of neonatal respiratory distress syndrome. *Nurs Times.* 2004 Jul 27-Aug 2; 100(30):40-4.
- Boynton BR, Hammond MD:** Pulmonary gas exchange: Basic principles and the effects of mechanical ventilation. In: Boynton BR, Carlo WA, eds. *New Therapies for Neonatal Respiratory Failure.* New York: Cambridge University Press; 1994.
- Bozaykut A, Ipek IO& Kilic BD:** Predicting neonatal sepsis in ventilated neonates. *Indian J Pediatr.* 2008 Jan; 75(1):39-42.
- Branson RD& Johannigman JA:** The role of ventilator graphics when setting dual-control modes. *Respir Care* 2005 Feb; 50(2): 187-201.
- Branson RD&Johannigman JA:** What is the evidence base for the newer ventilation modes? *Respir Care* 2004 Jul; 49(7): 742-60.
- Branson RD:** Gas delivery systems: regulators, flowmeters, and therapy devices. In: Branson RD, Hess DR, Chatburn RL, editors. *Respiratory care equipment*, 2nd ed. Philadelphia: Lippincott Williams & Wilkins; 1999:55-85.
- Bregeon F, Ciais V, Carret V, Gregoire R, Saux P, Gainnier M, Thirion X, Drancourt M, Auffray JP& Papazian L:** Is ventilator-associated pneumonia an independent risk factor for death? *Anesthesiology* 2001; 94: 554-560.
- Brion L et al.:** Diuretics acting on the distal renal tubule for preterm infants with (or developing) chronic lung disease. *Cochrane Neonatal group*, *Cochrane database of systematic reviews*, Issue 3, 2001.
- Brochard L:** Mechanical ventilation invasive versus noninvasive *Eur Respir J* 2003; 22:31S-37S Copyright©ERS Journals Ltd
- Brower RG, Lanken PN, MacIntyre N, Matthay MA, Morris A, Ancukiewicz M, et al:** Higher versus lower positive end-expiratory pressures in patients with the acute respiratory distress syndrome. *N Engl J Med.* Jul 22 2004; 351(4):327-36.
- Buettiker V, Hug MI, Baenziger O, Meyer C& Frey B:** Advantages and disadvantages of different nasal CPAP systems in newborns. *Intensive Care Med.* 2004 May; 30(5):926-30. Epub 2004 Mar 24.
- Burton GG, Wagshul FA, Henderson D& Kime SW:** Fatal obstruction caused by a mucous ball from transtracheal oxygen catheter. *Chest* 1991;99(6):1520-1523.
- Bush A., Accurso F., MacNee W., Lazarus S. C., and Abraham E.:** Cystic Fibrosis, Pediatrics, Control of Breathing, Pulmonary Physiology and Anatomy, and Surfactant Biology in AJRCCM in 2004, and *Am. J. Respir. Crit. Care Med.*, March 15, 2005; 171(6): 545 - 553.

- Byrd R P:** Ventilation, Mechanical. , Coauthor(s): *Eggleston K L, Takubo T, Roy TM*. Editor(s): *Hnatiuk OW, Talavera F, Anders GT Rice TD & Mosenifar Z*: eMedicine Specialties > Medicine, Ob/Gyn, Psychiatry, and Surgery > Pulmonology Last Updated: July 6, 2006
- Carey BE & Trotter C:** Bronchopulmonary dysplasia. *Neonatal Netw* 2000 Apr; 19(3): 45-9.
- Carlo WA, Stark AR & Wright LL:** Minimal ventilation to prevent bronchopulmonary dysplasia in ELBW infants. *J Pediatr* 2002; 141: 370-374.
- Carvalho CE, Berezin EN, Pistelli IP, Mimica L, Cardoso MR :** [Sequential microbiological monitoring of tracheal aspirates in intubated patients admitted to a pediatric intensive care unit] Comment in: *J Pediatr (Rio J)*. 2005 Jan-Feb;81(1):3-4. *J Pediatr (Rio J)*. 2005 Jan-Feb; 81(1):29-33.
- Carvalho CE, Berezin EN, Pistelli IP, Mimica L & Cardoso MR:** [Sequential microbiological monitoring of tracheal aspirates in intubated patients admitted to a pediatric intensive care unit] Comment in: *J Pediatr (Rio J)*. 2005 Jan-Feb;81(1):3-4. *J Pediatr (Rio J)*. 2005 Jan-Feb; 81(1):29-33.
- Cassell KA, O'connell CM & Baskett TF:** The origins and outcomes of triplet and quadruplet pregnancies in Nova Scotia: 1980 to 2001. *Am J Perinatol*. 2004 Nov; 21(8):439-45.
- Chacko B & Sohi I:** Early onset neonatal sepsis. Comment in: *Indian J Pediatr*. 2006 Mar;73(3):251. *Indian J Pediatr*. 2005 Jan; 72(1):23-6.
- Chastre J and Fagon J-Y:** Ventilator-associated Pneumonia *Am. J. Respir. Crit. Care Med.*, Volume 165, Number 7, April 2002, 867-903. *American Journal of Respiratory And Critical Care Medicine*-Copyright © 2002 American Thoracic Society
- Chatburn RL & Primiano FP:** A new system for understanding modes of mechanical ventilation. *Respir Care* 2001 Jun; 46(6): 604-21.
- Chatburn RL:** Similarities and differences in the management of acute lung injury in neonates (IRDS) and in adults (ARDS). *Respir Care* 1988;33(7):539-553.
- Cheema IU & Ahluwalia JS:** Feasibility of tidal volume-guided ventilation in newborn infants: a randomized, crossover trials using the volume guarantee modality. *Pediatrics* 2001; 107:1323-8.
- Chen BM, Yu JL, Liu GX, Hu LY, Li LQ, Li F & Yang H:** [Electron microscopic analysis of biofilm on tracheal tubes removed from intubated neonates and the relationship between biofilm and lower respiratory infection] *Zhonghua Er Ke Za Zhi*. 2007 Sep;45(9):655-60.
- Chilton HW & Brooks JG:** Pharyngeal pressures in nasal CPAP. *J Pediatr* 1979; 94:808-10.
- Cole CH, Colton T & Shah BL:** Early inhaled glucocorticoid therapy to prevent bronchopulmonary dysplasia. *N Engl J Med* 1999 Apr 1; 340(13): 1005-10.
- Collard KJ, Godeck S, Holley JE & Quinn MW:** Pulmonary antioxidant concentrations and oxidative damage in ventilated premature babies. *Arch Dis Child Fetal Neonatal Ed*. 2004 Sep; 89(5):F412-6.
- Combes A, Luyt CE, Fagon JY, Wolff M, Trouillet JL & Chastre J :** Early predictors for infection recurrence and death in patients with ventilator-associated pneumonia. *Crit Care Med*. 2007 Jan; 35(1):146-54.
- Cook D & Mandell L:** Endotracheal aspiration in the diagnosis of ventilator-associated pneumonia. *Chest* 2000; 117: 195S-197S.
- Cordero L, Sananes M & Ayers LW:** Comparison of a closed (Trach Care MAC) with an open endotracheal suction system in small premature infants. *J Perinatol*. 2000 Apr-May; 20(3):151-6.
- Couroucli XI, Welty SE & Ramsay PL:** Detection of microorganisms in the tracheal aspirates of preterm infants by polymerase chain reaction: association of adenovirus infection with bronchopulmonary dysplasia. *Pediatr Res* 2000 Feb; 47(2): 225-32.
- Courtney SE et al:** Lung recruitment and breathing pattern during variable versus continuous flow nasal continuous positive airway pressure in premature infants: An evaluation of 3 devices: *Pediatrics* 2001; 107: 304
- Couto RC, Pedrosa TM, Tofani C de P & Pedrosa ER :** Risk factors for nosocomial infection in a neonatal intensive care unit. *Infect Control Hosp Epidemiol*. 2006 Jun;27(6):571-5. Epub 2006 May 24.

- Cox D, Gillbe C:** Fixed performance oxygen masks: hypoxic hazard of low-capacity drugs. *Anaesthesia* 1981;36(10):958-964.
- Cox JMR, Boehm JJ& Millare EA:** Individual nasal masks and intranasal tubes. *Anaesthesia* 1974; **29**:597–600.
- Craven DE:** Epidemiology of ventilator-associated pneumonia. *Chest* 2000; 117: 186S-187S [Free Full Text].
- Crouser JI Jr& Make BJ:** Respiratory tract infection complicating transtracheal oxygen therapy. *Chest* 1992;101(1):273-275.
- Currie G P& Douglas J G:** Oxygen and inhalers. *BMJ* 333: 34-36, 2006
 Jackson J K, Ford S P, Meinert K A, Leick-Rude M K, Anderson B, Sheehan M B, Haney B M, Leeks S R, and **Simon S D:** Standardizing Nasal Cannula Oxygen Administration in the Neonatal Intensive Care Unit- Pediatrics, November 1, 2006; 118(Supplement_2): S187 - S196.
- Czervinske M:** Application of Continuous Positive Airway Pressure to Neonates via Nasal Prongs, Nasopharyngeal Tube, or Nasal Mask—2004 Revision & Update, AARC Clinical Practice Guideline, University of Kansas Medical Center, Kansas City, Kansas, and approved by the 2003 CPG Steering Committee, Original Publication: *Respir Care* 1994;39(8):817-823.
- Czervinske MP:** Continuous positive airway pressure. In: Koff PB, Eitzman D, Neu J, editors. *Neonatal and pediatric respiratory care*, 2nd ed. St Louis: Mosby; 1993:265-284.
- Dani C, Bertini G, Pezzati M, Cecchi A, Caviglioli C& Rubaltelli FF:** Early extubation and nasal continuous positive airway pressure after surfactant treatment for respiratory distress syndrome among preterm infants <30 weeks' gestation. *Pediatrics*. 2004 Jun; 113(6):e560-3.
- Darlow BA, Inder TE& Graham PJ:** The relationship of selenium status to respiratory outcome in the very low birth weight infant. *Pediatrics* 1995 Aug; 96(2 Pt 1): 314-9.
- Darnall RA, Kattwinkel J& Nattie C:** Margin of safety for discharge after apnea in preterm infants. *Pediatrics* 1997 Nov; 100(5): 795-801.
- Dave A.:** Absent Nasal Flaring in a Newborn With Bilateral Choanal Stenosis. PubMed Citation, Articles. Editor- Amar Dave, MD, FAAP, Pediatrics Center ,Ottawa, IL 61350, USA . *PEDIATRICS* Vol. 109 No. 5 May 2002, pp. 989-990
- David GS& Clark B.:** Fronto-facio-nasal dysplasia [review]. *Clin Dysmorphol*. 1997; 7:245 –249
- Davis JM& Rosenfield WN:** Chronic lung disease. *Avery's Diseases of the Newborn*. 7th ed. Philadelphia, Pa: Harcourt Brace Jovanovich; 1998: 509-31.
- Davis P, Davies M& Faber B:** A randomised controlled trial of two methods of delivering nasal continuous positive airway pressure after extubation to infants weighing less than 1000 g: binasal (Hudson) versus single nasal prongs. *Arch Dis Child Fetal Neonatal Ed* 2001; 85(2):F82-F85.
- Davis P, Jankov R, Doyle L, Henschke P:** Randomised, controlled trial of nasal continuous positive airway pressure in the extubation of infants weighing 600 to 1250 g. *Arch Dis Child Fetal Neonatal Ed* 1998;79(1):F54-F57.
- Davis PG& Henderson-Smart DJ:** Prophylactic post-extubation nasal CPAP in preterm infants. In: *The Cochrane Database of Systematic Reviews*, Issue 1, 2005.
- Davis PG& Henderson-Smart DJ-1:** Extubation from low rate intermittent positive airways pressure versus extubation after a trial of endotracheal continuous positive airways pressure in intubated preterm infants (Cochrane Review) *The Cochrane Library*, Issue 3, 2003. Oxford: Update Software.
- Davis PG& Henderson-Smart DJ-2:** Nasal continuous positive airways pressure immediately after extubation for preventing morbidity in preterm infants. (Cochrane review). In *The Cochrane Library*, Issue 2, 2003. : CD000143. Oxford: Update Software.
- Davis PG, Lemyre B& De Paoli AG:** Nasal intermittent positive pressure ventilation versus nasal continuous positive airway pressure for preterm neonates after extubation. *The Cochrane Library*, Issue 1. Oxford: Update Software, 2002.
- Day RW, Barton AJ, Pysher TJ, and Shaddy RE:** Pulmonary vascular resistance of children treated with nitrogen during early infancy. *Ann Thorac Surg* 1998;65(5):1400-1404.

- De Bie HM, van Toledo-Eppinga L, Verbeke JI&van Elburg RM:** Neonatal pneumatocele as a complication of nasal continuous positive airway pressure. Arch Dis Child Fetal Neonatal Ed 2002; 86(3):F202-F203.
- De Klerk AM&De Klerk RK:** Nasal continuous positive airway pressure and outcomes of preterm infants. J Paediatr Child Health 2001; 37(2):161-167.
- De Paoli AG, Davis PG, Faber B& Morley CJ:** Devices and pressure sources for administration of nasal continuous positive airway pressure (NCPAP) in preterm neonates. Cochrane Database Syst Rev 2002; (4):CD002977.
- De Paoli AG, Davis PG, Faber B&Morley CJ:** Devices and pressure sources for administration of nasal continuous positive airway pressure (NCPAP) in preterm neonates. Cochrane Database of Systematic Reviews 2008, Issue 1. Art. No.: CD002977. DOI: 10.1002/14651858.CD002977.pub2.
- De Paoli AG, Lau R, Davis PG& Morley CJ:** Pharyngeal pressure in preterm infants receiving nasal continuous positive airway pressure. Arch Dis Child Fetal Neonatal Ed. 2005 Jan; 90(1):F79-81.
- De Paoli AG, Morley CJ, Davis PG, Lau R& Hingeley E:** In vitro comparison of nasal continuous positive airway pressure devices for neonates. Arch Dis Child Fetal Neonatal Ed 2002; 87(1):F42-F45.
- De Paoli1 A G, Morley C and Davis P G:** Nasal CPAP for neonates: what do we know in 2003? Archives of Disease in Childhood Fetal and Neonatal Edition 2003; 88:F168© 2003 Archives of Disease in Childhood Fetal and Neonatal Edition, Arch Dis Child Fetal Neonatal Ed 2003; 88(3):F168-F172.(**De Paoli1,2003**)
- De Paoli2 AG, Davis PG, Faber B& Morley CJ:** Devices and pressure sources for administration of nasal continuous airways pressure (nCPAP) in preterm infants (Cochrane review). In: *The Cochrane Library* Issue 2, 2003. Oxford: update Software. .(**De Paoli 2,2003**)
- DeRowe A, Landsberg R, Fishman G, Halperin D& Fliss D:**Neonatal iatrogenic nasal obstruction. Int J Pediatr Otorhinolaryngol. 2004 May;68(5):613-7.
- Dimitriou G and Greenough A:** Performance of neonatal ventilators. *British Journal of Intensive Care* 2002: in press.
- Diouf E, Beye MD, Diop Ndoeye M, Kane O, Seydi AA, Ndiaye PI, Bah MD& Sall KB :** [Nosocomial ventilator-associated pneumonia in a tropical intensive care unit] Dakar Med. 2006;51(2):81-8.
- Donn S M & Sinha S K:** Invasive and Noninvasive Neonatal Mechanical Ventilation. 426 RESPIRATORY CARE • APRIL 2003 VOL 48 NO 4
- Dooley SW Jr, Castro KG, Hutton MD, Mullan RJ, Polder JA&Snider DE Jr:** Guidelines for preventing the transmission of tuberculosis in health-care settings, with special focus on HIV-related issues. MMWR Recomm Rep 1990;39(RR-17):1-29.
- Drews MB, Ludwig AC, Leititis JU&Daschner FD:** Low birth weight and nosocomial infection of neonates in a neonatal intensive care unit. J Hosp Infect 1995; 30: 65-72.
- Driscoll W& Davis J, editor(s):** Steven M Donn, Robert Konop, Arun Pramanik, Carol L Wagner, Neil N Finer Bronchopulmonary Dysplasia, Last Updated: February 7, 2003; *eMedicine Specialties > Pediatrics > Neonatology*
- Duke T:** Neonatal pneumonia in developing countries.Arch. Dis. Child. Fetal Neonatal Ed., May 1, 2005; 90(3): F211 - f219. Archives of Disease in Childhood: Fetal and Neonatal Ed
- Dunlevy CL&Tyl SE:** The effect of oral versus nasal breathing on oxygen concentrations received from nasal cannulas. Respir Care 1992; 37(4):357-360.
- Dunn MS&, Reilly MC:** Approaches to the initial respiratory management of preterm neonates. Paediatr Respir Rev 2003; 4(1):2-8.
- Eber E& Zach MS:** Long term sequelae of bronchopulmonary dysplasia (chronic lung disease of infancy). Thorax 2001 Apr; 56(4): 317-23.
- Effmann EL:** Effects of physical agents on the lungs. In: Caffey's Pediatric Diagnostic Imaging. Vol 1. 10th ed. St Louis, Mo: Mosby/Elsevier Science; 2004: 1107-9.

- Eggimann P, Hugonnet S, Sax H, Touveneau S, Chevrolet JC& Pittet D:** Ventilator-associated pneumonia: caveats for benchmarking. Comment in: *Intensive Care Med.* 2003 Nov; 29(11):2086-9. Epub 2003 Sep 3.*Intensive Care Med.* 2004 May; 30(5):996-7; author reply 998-9.
- Ehrenkranz RA,Walsh MC,Vohr BR,Jobe AH,Wright LL,Fanaroff AA,Wrage LA&Poole K:** Validation of the National Institutes of Health Consensus Definition of Bronchopulmonary Dysplasia, for the National Institutes of Child Health and Human Development Neonatal Research Network,*PEDIATRICS* Vol. 116 No. 6 December 2005, pp. 1353-1360 (doi:10.1542/peds.2005-0249)
- Eichacker PQ, Gerstenberger EP, Banks SM, Cui X&Natanson C:** Meta-analysis of acute lung injury and acute respiratory distress syndrome trials testing low tidal volumes. *Am J Respir Crit Care Med.* Dec 1 2002; 166(11):1510-4.
- Eifinger F, Lang-Roth R, Woelfl M, Kribs A, Roth B:**Auricular seroma in a preterm infant as a severe complication of nasal continuous positive airway pressure (nCPAP). *Int J Pediatr Otorhinolaryngol.* 2005 Mar; 69(3):407-10. Epub 2004 Dec 15.
- Eisner MD, Thompson BT, Schoenfeld D, Anzueto A, Matthay MA, et al:** Airway pressures and early barotrauma in patients with acute lung injury and acute respiratory distress syndrome. *Am J Respir Crit Care Med.* Apr 1 2002; 165(7):978-82.
- Elgellab A, Riou Y, Abbazine A, et al:** Effects of nasal continuous positive airway pressure (NCPAP) on breathing pattern in spontaneously breathing premature newborn infants. *Intens Care Med* 2001; 27:1782–7.
- El-Lessy HN:** Pulmonary vascular control in hypoplastic left-heart syndrome: hypoxic- and hypercarbic-gas therapy. *Respir Care* 1995; 40(7):737-742.
- Elward AM, Warren DK&Fraser VJ:** Ventilator-associated pneumonia in pediatric intensive care unit patients: risk factors and outcomes. *Pediatrics.* 2002 May;109(5):758-64.
- Elward AM, Warren DK, Fraser VJ:** Ventilator-associated pneumonia in pediatric intensive care unit patients: risk factors and outcomes. *Pediatrics* Vol 35 No. 3 September 2004 729
- Escobedo MB, Gunkel JH, Kennedy KA, Shattuck KE, Sanchez PJ, Seidner S, Hensley G, Cochran CK, Moya F, Morris B, Denson S, Stribley R, Naqvi M, Lasky RE;& Texas Neonatal Research Group:** Early surfactant for neonates with mild to moderate respiratory distress syndrome: a multicenter, randomized trial. *J Pediatr.* 2004 Jun;144(6):804-8.Comment in: *Evid Based Nurs.* 2005 Jan;8(1):9.
- Esteban a, Anzueto a, Alia I, et al:** How is mechanical ventilation employed in the intensive care unit? An international utilization review. *Am J Respir Crit Care Med* 2000 May; 161(5): 1450-8.
- Fagon JY, Chastre J, Wolff M, Gervais C, Parer-Aubas S, Stephan F, Similowski T, Mercat A, Diehl JL, Sollet JP, et al** :Invasive and noninvasive strategies for management of suspected ventilator-associated pneumonia. A randomized trial. *Ann Intern Med* 2000; 132: 621-630
- Fan E, Needham DM, Stewart TE:** Ventilatory management of acute lung injury and acute respiratory distress syndrome. *JAMA.* Dec14 2005; 294 (22):2889-96.
- Fanaroff AA and Martin RJ,** Neonatal-perinatal medicine: Diseases of the fetus and infant 6th ed 1997. (eds). Mosby-Year Book.
- Farhath S, Aghai ZH, Nakhla T, Saslow J, He Z, Soundar S& Mehta DI:** Pepsin, a reliable marker of gastric aspiration, is frequently detected in tracheal aspirates from premature ventilated neonates: relationship with feeding and methylxanthine therapy. *J Pediatr Gastroenterol Nutr.* 2006 Sep;43(3):336-41.
- Feria-Kaiser C, Furuya ME, Vargas MH, et al:** Main diagnosis and cause of death in a neonatal intensive care unit: do clinicians and pathologists agree? *Acta Paediatr* 2002; 91(4): 453-8.
- Fetus and Newborn Committee of the AAP.(FFC-AAP):** Clinical considerations in the use of oxygen. In: Freeman RK, Poland RL, Hauth JC, Merenstein GB, editors. Guidelines for perinatal care. Elk Grove Village, IL: American Academy of Pediatrics and American College of Obstetricians and Gynecologists; 1992:197-203.
- Fidanovski D, Milev V, Sajkovski A, Hristovski A, Sofijanova A, Kojić L&Kimovska M:** [Mortality risk factors in premature infants with respiratory distress syndrome treated by mechanical ventilation] *Srp Arh Celok Lek.* 2005 Jan-Feb;133(1-2):29-35.

- Finer NN, Bates R& Tomat P:** Low flow oxygen delivery via nasal cannula to neonates. *Pediatr Pulmonol* 1996; 21(1):48-51.
- Finer NN, Carlo WA& Duara S:** Delivery room continuous positive airway pressure/positive end-expiratory pressure in extremely low birth weight infants: a feasibility trial. *Pediatrics* 2004; 114: 651-657.
- Finer NN, Rich W, Craft A&Henderson C:** Comparison of methods of bag and mask ventilation for neonatal resuscitation. *Resuscitation* 2001 Jun; 49(3): 299-305.
- Foglia E, Meier MD, and Elward A:** Ventilator-Associated Pneumonia in Neonatal and Pediatric Intensive Care Unit Patients, *Clinical Microbiology Reviews*, July 2007, p. 409-425, Vol. 20, No. 30893-8512/07/\$08.00+0-
doi:10.1128/CMR.00041-06. Copyright © 2007, American Society for Microbiology.
- Frenckner B, Ehrlich H, Palm J K, Norén G:** Pneumocephalus caused by a nasopharyngeal oxygen catheter. *Crit Care Med* 1990; 18(11):1287-1288.
- Frey B and Shann F:** Oxygen administration in infants. *Archives of Disease in Childhood Fetal and Neonatal Edition* 2003; 88: F84 © 2003 Archives of Disease in Childhood Fetal and Neonatal Edition -Copyright © 2007 BMJ Publishing Group Ltd & Royal College of Paediatrics and Child Health
- Frey B, McQuillan PJ, Shann F, et al:** Nasopharyngeal oxygen therapy produces positive end-expiratory pressure in infants. *Eur J Pediatr* 2001;160:556-60.
- Friedlich P, Lecart C, Posen R, et al:** A randomized trial of nasopharyngeal synchronized intermittent mandatory ventilation versus nasopharyngeal continuous positive airway pressure in very low birth weight infants after extubation. *J Perinatol* 1999; 19:413-18.
- Furman B, Shoham-Vardi I, Bashiri A, Erez O&Mazor M:** Clinical significance and outcome of preterm prelabor rupture of membranes: population-based study. *Eur J Obstet Gynecol Reprod Biol.* 2000 Oct;92(2):209-16.
- Gabazza EC, Taguchi O& Tamaki S:** Role of nitric oxide in airway remodeling. *Clin Sci (Colch)* 2000 Mar; 98(3): 291-4.
- Gajic O, Dara SI, Mendez JL, Adesanya AO, Festic E, Caples SM, et al.** Ventilator-associated lung injury in patients without acute lung injury at the onset of mechanical ventilation. *Crit Care Med.* Sep 2004;32(9):1817-24.
- Galanakis E, Krallis N, Levidiotou S, Hotoura E&Andronikou S:** Neonatal bacteraemia: a population-based study. *Scand J Infect Dis.* 2002;34(8):598-601.
- Gannon CM, Wiswell TE& Spitzer AR:** Volutrauma, PaCO2 levels, and neurodevelopmental sequelae following assisted ventilation. *Clin Perinatol* 1998 Mar; 25(1): 159-75.
- Gaon P, Lee S, Hannan S, Ingram D&Milner AD:** Assessment of effect of nasal continuous positive pressure on laryngeal opening using fibre optic laryngoscopy. *Arch Dis Child Fetal Neonatal Ed* 1999; 80(3):F230-F232.
- Garland J, Buck R&Weinberg M:** Pulmonary hemorrhage risk in infants with a clinically diagnosed patent ductus arteriosus: a retrospective cohort study. *Pediatrics.* Nov 1999;94(5):719-23.
- Gaynes RP, Edwards JR, Jarvis WR, Culver DH, Tolson JS&Martone WJ:** Nosocomial infections among neonates in high-risk nurseries in the United States. National Nosocomial Infections Surveillance System. *Pediatrics* 1996; 98: 357-61.
- Gessler P, Toenz M, Gugger M, et al:** Lobar pulmonary interstitial emphysema in a premature infant on continuous positive airway pressure using nasal prongs [letter]. *Eur J Pediatr* 2001; **160**:263-4.
- Gessler P, Toenz M, Gugger M& Pfenninger J:** Lobar pulmonary interstitial emphysema in a premature infant on continuous positive airway pressure using nasal prongs. *Eur J Pediatr* 2001;160(4):263-264.
- Giard M, Lepape A, Allaouchiche B, Guerin C, Lehot JJ, Robert MO, Fournier G, Jacques D, Chassard D, Gueugniaud PY, Artru F, Petit P, Robert D, Mohammedi I, Girard R, Cêtre JC, Nicolle MC, Grando J, Fabry J& Vanhems P:** Early- and late-onset ventilator-associated pneumonia acquired in the intensive care unit: comparison of risk factors. *Epub* 2007 Dec 11. *J Crit Care.* 2008 Mar;23(1):27-33.
- Girou E, Schortgen F, Delclaux C, Brun-Buisson C, Blot F, Lefort Y, Lemaire F, Brochard L:** Association of Noninvasive Ventilation With Nosocomial Infections and Survival in Critically Ill Patients Vol. 284 No. 18, November 8, 2000. *JAMA.* 2000; 284:2361-2367.

- Goldbart AD& Gozal D:** Non-invasive ventilation in preterm infants. *Pediatr Pulmonol Suppl.* 2004;26:158-61.
- Goldsmith JP&Karatkin EH:** Assisted ventilation of the neonate: Saunders, 3rd Edition, 1996.
- Gopalareddy V, He Z, Soundar S, Bolling L, Shah M, Penfil S, McCloskey JJ& Mehta DI:** Assessment of the prevalence of microaspiration by gastric pepsin in the airway of ventilated children. *Acta Paediatr.* 2008 Jan;97(1):55-60. Epub 2007 Dec 10.
- Gounaris A, Costalos C, Varchalama L, Kokori P, Kolovou E&Alexiou N:** Gastric emptying in very-low-birth-weight infants treated with nasal continuous positive airway pressure. *J Pediatr.* 2004 Oct; 145(4):508-10.
- Graham P L,Begg M D,Larson E,Della-Latta P,Allen A&Saiman L:** Risk Factors for Late Onset Gram-Negative Sepsis in Low Birth Weight Infants Hospitalized in the Neonatal Intensive Care Unit, Posted 03/24/2006, [ACP Medicine] [MedGenMed eJournal] *Pediatr Infect Dis J.* 2006; 25(2):113-117. © 2006 Lippincott Williams & Wilkins
- Gramlich T:** Oxygen therapy. In: Perinatal and pediatric respiratory care. Barnhart SL, Czervinske MP editors. Philadelphia: WB Saunders; 1995:156-179.
- Greenough A, Milner AD& Dimitriou G.** Synchronized ventilation [Cochrane review]. In: *The Cochrane Library, issue 1.* Oxford: Update Software, 2001.
- Greenough A, Milner AD&Dimitriou G:** Synchronized mechanical ventilation for respiratory support in newborn infants (Cochrane Review). In: *The Cochrane Library, Issue 1, 2004.* Oxford: Update Software.
- Greenough A:** Update on modalities of mechanical ventilators .Archives of Disease in Childhood Fetal and Neonatal Edition 2002; 87:F3-F6 © 2002 Archives of Disease in Childhood Fetal and Neonatal Edition
- Gregoire MC, Lefebvre F&Glorieux J:** Health and developmental outcomes at 18 months in very preterm infants with bronchopulmonary dysplasia. *Pediatrics* 1998 May; 101(5): 856-60.
- Gregory GA, Kitterman JA, Phibbs RH, et al:** Treatment of the idiopathic respiratory-distress syndrome with continuous positive airway pressure. *N Engl J Med* 1971 Jun 17; 284(24): 1333-40.
- Grimaldi M, Gouyon B, Michaut F, et al:** Severe respiratory syncytial virus bronchiolitis: epidemiologic variations associated with the initiation of palivizumab in severely premature infants with bronchopulmonary dysplasia. *Pediatr Infect Dis J* 2004 Dec; 23(12): 1081-5.
- Grohskopf LA, Sinkowitz-Cochran RL, Garrett DO, et al.:** A national point-prevalence survey of pediatric intensive care unit-acquired infections in the United States. *J Pediatr* 2002; 140: 432-8.
- Gunes T, Koklu E&Ozturk MA:** Maternal and cord serum lipid profiles of preterm infants with respiratory distress syndrome. *J Perinatol.* 2007 Jul;27(7):415-21. Epub 2007 Jun 7.
- Gurakan B, Tarcan A, Arda IS&Coskun M:** Persistent pulmonary interstitial emphysema in an unventilated neonate. *Pediatr Pulmonol* 2002;34(5):409-411.
- Guthrie SO, Lynn C, LaFleur BJ, Donn SM & Walsh WF:** A cross-over analysis of mandatory minute ventilation compared to synchronized intermittent mandatory ventilation in neonates. *J Perinatol* 2005.
- Hagan R, Minutillo C&French N:** Neonatal chronic lung disease, oxygen dependency, and a family history of asthma. *Pediatr Pulmonol* 1995 Nov; 20(5): 277-83.
- Halliday HL and Ehrenkranz RA:** Early postnatal corticosteroids for the prevention of chronic lung disease in preterm babies. Cochrane Neonatal group, Cochrane database of systematic reviews, Issue 3, 2001.
- Halliday HL:** What interventions facilitate weaning from the ventilator? A review of the evidence from systematic reviews. *Paediatr Respir Rev.* 2004;5 Suppl A:S347-52.
- Hand I& Noble L:** Delivery room continuous positive airway pressure: practice and feasibility. *Pediatrics.* 2004 Sep; 114(3):651-7. *Pediatrics.* 2005 Jan; 115(1):197-8; author reply 198.
- Hansen AK, Wisborg K, Uldbjerg N& Henriksen TB:** Elective caesarean section and respiratory morbidity in the term and near-term neonate. *Acta Obstet Gynecol Scand.* 2007; 86(4):389-94.

- Harding JE, Miles FK, Becroft DM, et al:** Chest physiotherapy may be associated with brain damage in extremely premature infants. *J Pediatr* 1998 Mar; 132(3 Pt 1): 440-4.
- Havranek T, Madramootoo C& Carver JD:** Nasal continuous positive airway pressure affects pre- and postprandial intestinal blood flow velocity in preterm infants. *J Perinatol*. 2007 Nov;27(11):704-8. Epub 2007 Aug 16.
- Havranek T, Thompson Z,& Carver JD:** Factors that influence mesenteric artery blood flow velocity in newborn preterm infants. *J Perinatol*. 2006 Aug;26(8):493-7. Epub 2006 Jul 6.
- Hayon J, Figliolini C, Combes A, Trouillet J, Kassis N, Dombret M, Gibert C& Chastre J:** Role of serial routine microbiologic culture results in the initial management of ventilator-associated pneumonia. *Am J Respir Crit Care Med* 2002; 165: 41-46 [Abstract/Free Full Text].
- Henderson-Smart DJ, Davis PG, Neonatal Collaborative Review Group. NICHD Cochrane Neonatal Reviews:** Prophylactic methylxanthines for extubation in preterm infants. 2002;[Full Text].
- Henderson-Smart DJ&Steer P:** Methylxanthine treatment for apnoea in preterm infants. (Cochrane review). In *The Cochrane Library*, Issue 3, 2003. Oxford: Update Software.
- Henderson-Smart DJ& Steer PA.:** Methylxanthine treatment for apnea in preterm infants. In: *The Cochrane Database of Systematic Reviews*, Issue 1, 2005.
- Henderson-Smart DJ, Subramaniam P& Davis PG :** Continuous positive airway pressure versus theophylline for apnea in preterm infants ,The review is published as a Cochrane review in *The Cochrane Library*, Issue 3, 2005 (see <http://www.thecochranelibrary.com> for information).
- Henderson-Smart DJ, Wilkinson A& Raynes-Greenow CH:** Mechanical ventilation for newborn infants with respiratory failure due to pulmonary disease. *Cochrane Database of Systematic Reviews* 2002, Issue 4. Art. No.: CD002770. DOI: 10.1002/14651858.CD002770. *Cochrane Database of Systematic Reviews* 2008 Issue 3 (Status: Unchanged)
- Henderson-Smart&Davis PG:** Prophylactic methylxanthines for extubation in preterm infants. *Neonatal Collaborative Review Group. NICHD Cochrane Neonatal Reviews*. 2002.
- Hentschel J, Brüngger B, Stüdi K& Mühlemann K :** Prospective surveillance of nosocomial infections in a Swiss NICU: low risk of pneumonia on nasal continuous positive airway pressure? *Infection*. 2005 Oct; 33(5-6):350-5.
- Herting E, Gefeller O, Land M, et al:** Surfactant treatment of neonates with respiratory failure and group B streptococcal infection. Members of the Collaborative European Multicenter Study Group. *Pediatrics* 2000 Nov; 106(5): 957-64; discussion 1135.
- Herting E, Sun B, Jarstrand C, et al:** Surfactant improves lung function and mitigates bacterial growth in immature ventilated rabbits with experimentally induced neonatal group B streptococcal pneumonia. *Arch Dis Child Fetal Neonatal Ed* 1997 Jan; 76(1): F3-8.
- Hess D&Branson RD:** Ventilators and weaning modes. *Resp Care Clin N Am* 2000; 6: 407-435.
- Hess D:** Ventilator modes used in weaning. *Chest* 2001 Dec; 120(6 Suppl): 474S-6S.
- Hess DR& Branson RD:** Noninvasive respiratory monitoring equipment. In: Branson RD, Hess DR, Chatburn RL, editors. *Respiratory care equipment*, 2nd ed. Philadelphia: Lippincott Williams & Wilkins 1999:247-282.
- Hess DR:** Mechanical ventilation strategies: what's new and what's worth keeping?. *Respir Care* 2002 Sep; 47(9): 1007-17.
- Higgins TL& Yared J-P:** Clinical effects of hypoxemia and tissue hypoxia. *Respir Care* 1993;38(6):603-615; discussion 615-617.
- Ho JJ, Henderson-Smart DJ&Davis PG :** Early versus delayed initiation of continuous distending pressure for respiratory distress syndrome in preterm infants. In: *The Cochrane Database of Systematic Reviews*, Issue 2, 2004. (Ho 2004b)
- Ho JJ& Henderson-Smart DJ:** Early versus delayed initiation of continuous distending pressure for respiratory distress syndrome in preterm infants (Cochrane Review). *The Cochrane Library*. Issue 3, 2003. Oxford: Update Software.

- Ho JJ, Subramaniam P, Henderson-Smart DJ&Davis PG:** Continuous distending pressure for respiratory distress syndrome in preterm infants. In: The Cochrane Database of Systematic Reviews, Issue 2, 2004. (**Ho 2004a**)
- Ho JJ, Subramaniam P, Henderson-Smart DJ&Davis PG:** Continuous distending pressure for respiratory distress syndrome in preterm infants (Cochrane review). In *The Cochrane Library*, Issue 2, 2003. Oxford: Update Software.
- Ho JJ, Subramaniam P, Henderson-Smart DJ&Davis PG:** Continuous distending airway pressure for respiratory distress syndrome in preterm infants. Cochrane Database Syst Rev 2000;(4):CD002271.
- Ho JJ, Subramaniam P, Henderson-Smart DJ&Davis PG:** Continuous distending pressure for respiratory distress syndrome in preterm infants. *Cochrane Database of Systematic Reviews* 2002, Issue 2. Art. No.: CD002271. DOI: 10.1002/14651858.CD002271. *Cochrane Database of Systematic Reviews* 2008 Issue 3 (Status: *Unchanged*)
Copyright © 2008. The Cochrane Collaboration. Published by John Wiley & Sons, Ltd.
- Ho JJ, Subramaniam P, Henderson-Smart DJ, et al.** Continuous distending airway pressure for respiratory distress syndrome in preterm infants. *Cochrane Database Syst Rev*2000; **3:CD002271**.
- Ho JJ:** Continuous distending pressure for respiratory distress syndrome in preterm infants,Posted 10/01/2006 .Cochrane Rev Abstract. 2006; ©2006 The Cochrane Collaboration-[ACP Medicine] [MedGenMed eJournal]
- Ho JJ:** Late onset infection in very low birth weight infants in Malaysian Level 3 neonatal nurseries. Malaysian Very Low Birth Weight Study Group. *Pediatr Infect Dis J*. 2001 Jun;20(6):557-60.
- Ho MY, Yen YH, Hsieh MC, Chen HY, Chien SC&Hus-Lee SM:** Early versus late nutrition support in premature neonates with respiratory distress syndrome. *Nutrition*. 2003 Mar; 19(3):257-60.
- Hoffman LA:** Novel strategies for delivering oxygen: reservoir cannula, demand flow, and transtracheal oxygen administration. *Respir Care* 1994;39(4):363-377.
- Horbar JD, Badger GJ, Carpenter JH, Fanaroff AA, Kilpatrick S, LaCorte M, et al;** Members of the Vermont Oxford Network. Trends in mortality and morbidity for very low birth weight infants, 1991-1999. *Pediatrics* 2002;110(1 Pt 1):143-151.
- Huang Y, Zhuang S, Du M :** Risk factors of nosocomial infection with extended-spectrum beta-lactamase-producing bacteria in a neonatal intensive care unit in China. *Infection*. 2007 Oct;35(5):339-45. Epub 2007 Aug 25.
- Hughes CA, O'Gorman LA& Shyr Y:** Cognitive performance at school age of very low birth weight infants with bronchopulmonary dysplasia. *J Dev Behav Pediatr* 1999 Feb; 20(1): 1-8.
- Hugonnet S, Uçkay I& Pittet D :** Staffing level: a determinant of late-onset ventilator-associated pneumonia. Comment in: *Crit Care*. 2007;11(4):154; discussion 154. *Crit Care*. 2007;11(4):R80.
- Ibrahim EH, Tracy L, Hill C, Fraser VJ&Kollef MH:** The occurrence of ventilator-associated pneumonia in a community hospital: risk factors and clinical outcomes. *Chest*. 2001 Aug;120(2):555-61. (**Ibrahim 1, et al., 2001**)
- Ibrahim EH, Ward S, Sherman G, Schiff R, Fraser VJ& Kollef MH:** Experience with a clinical guideline for the treatment of ventilator-associated pneumonia.*Crit Care Med* 2001; 29: 1109-15. (**Ibrahim 2, et al., 2001**)
- IELSO:** 1999 Summary Report of the Registry for International Extracorporeal Life Support Organization. 1999: 1-10.
- Ikegami M, Kallapur SG& Jobe AH:** Initial responses to ventilation of premature lambs exposed to intra-amniotic endotoxin 4 days before delivery. *Am J Physiol Lung Cell Mol Physiol* 2004 Mar; 286(3): L573-9.
- Inglis GD, Jardine LA&, Davies MW:** Prophylactic antibiotics to reduce morbidity and mortality in ventilated newborn infants. *Cochrane Database Syst Rev*. 2004 ;(1):CD004338. *Cochrane Database Syst Rev*. 2007 Jul 18 ;(3):CD004338.
- Inglis GDT, Jardine LA& Davies MW:** Prophylactic antibiotics to reduce morbidity and mortality in ventilated newborn infants. *Cochrane Database of Systematic Reviews* 2007, Issue 3. Art. No.: CD004338. DOI: 10.1002 / 14651858. CD004338. pub3. *Cochrane Database of Systematic Reviews* 2008 Issue 3 (Status: *Unchanged*)
Copyright © 2008 The Cochrane Collaboration. Published by John Wiley & Sons, Ltd.

- Jackson J K, Ford S P, Meinert K A, Leick-Rude M K, Anderson B, Sheehan M B, Haney B M, Leeks S R, and Simon SP:** Dstandardizing Nasal Cannula Oxygen Administration in the Neonatal Intensive Care Unit-Pediatrics, November 1, 2006; 118(Supplement_2): S187 - S196.
- Jackson JK, Vellucci J, Johnson P& Kilbride HW:** Evidence-based approach to change in clinical practice: introduction of expanded nasal continuous positive airway pressure use in an intensive care nursery. Pediatrics 2003;111(4 Pt 2):e542-e547.
- Jacobsen T, Grønvald J, Petersen S, et al.:** "Minitouch" treatment of very low-birth-weight infants. Acta Paediatr 1993;82:934–8.
- Jaile JC, Levin T, Wung JT, et al.:** Benign gaseous distension of the bowel in premature infants treated with nasal continuous airway pressure: a study of contributing factors. AJR 1992;158:125–7.
- Jaimes F, De La Rosa G, Gómez E, Múnera P, Ramírez J& Castrillón S:** Incidence and risk factors for ventilator-associated pneumonia in a developing country: where is the difference? Epub 2006 Oct 4. Respir Med. 2007 Apr;101(4):762-7.
- Janssen LJ, Premji M& Lu-Chao H:** NO(+) but not NO radical relaxes airway smooth muscle via cGMP- independent release of internal Ca(2+). Am J Physiol Lung Cell Mol Physiol 2000 May; 278(5): L899-905.
- Jeena P, Pillay P&Adhikari M:**Nasal CPAP in newborns with acute respiratory failure. Ann Trop Paediatr 2002;22(3):201-207.
- Jobe AH& Bancalari E:** Bronchopulmonary dysplasia, NICHD/NHLBI/ORD Workshop Summary .Am J Respir Crit Care Med 2001 Jun; 163(7): 1723-9.
- Jobe AH, Kramer BW, Moss TJ, Newnham JP& Ikegami M:** Decreased indicators of lung injury with continuous positive expiratory pressure in preterm lambs. Pediatr Res 2002; 52: 387-392.
- Jobe AH, Mitchell BR&Gunkel JH:** Beneficial effects of the combined use of prenatal corticosteroids and postnatal surfactant on preterm infants. Am J Obstet Gynecol 1993 Feb; 168(2): 508-13.
- Jobe AJ:** The new BPD: an arrest of lung development. Pediatr Res 1999 Dec; 46(6): 641-3.
- Jolley AE:** The value of surveillance cultures on neonatal intensive care units. J Hosp Infect. 1993 Nov;25(3):153-9. Comment in: J Hosp Infect. 1994 Sep;28(1):71-5. J Hosp Infect. 1995 Mar; 29(3):233-6.
- Jonsson B, Katz-Salamon M, Faxelius G, et al.:** Neonatal care of very-low-birthweight infants in special-care units and neonatal intensive-care units in Stockholm. Early nasal continuous positive airway pressure versus mechanical ventilation: gains and losses. Acta Paediatr Suppl 1997; 419:4–10.
- Kamper J, Feilberg Jorgensen N, Jonsbo F, Pedersen-Bjergaard L, Pryds O; Danish ETFOL Study Group:**The Danish national study in infants with extremely low gestational age and birthweight (the ETFOL study): respiratory morbidity and outcome. Acta Paediatr. 2004 Feb; 93(2):225-32.
- Kamper J& Ringsted C:** Early treatment of idiopathic respiratory distress syndrome using binasal continuous positive airway pressure. Acta Paediatr Scand 1990;79:581-586.
- Kamper J, Wulff K, Larsen C, et al.:** Early treatment with nasal continuous positive airway pressure in very low-birth-weight infants. Acta Paediatr 1993; 82:193–7.
- Kang CI, Kim SH, Kim DM, Park WB, Lee KD, Kim HB, Oh MD, Kim EC& Choe KW:** Risk factors for and clinical outcomes of bloodstream infections caused by extended-spectrum beta-lactamase-producing Klebsiella pneumoniae. Infect Control Hosp Epidemiol. 2004 Oct;25(10):860-7. Comment in: Infect Control Hosp Epidemiol. 2006 Mar;27(3):326-7.
- Kapasi M, Fujino Y, Kirmse M, Catlin EA& Kacmarek RM:** Effort and work of breathing in neonates during assisted patient-triggered ventilation. Pediatr Crit Care Med. 2001 Jan;2(1):9-16.
- Kattwinkel J, Fleming D, Cha CC, Fanaroff AA&Klaus MH:** A device for administration of continuous positive airway pressure by the nasal route. Pediatrics 1973; 52: 131-4.
- Katz ES, Gauda E, Crawford T, Ogunlesi F, Lefton-Greif MA, McGrath-Morrow S&Marcus CL:** Respiratory flutter syndrome: an underrecognized cause of respiratory failure in neonates. Am J Respir Crit Care Med 2001;164(7):1161-1164.

- Khalaf MN, Brodsky N, Hurley J, et al.:** A prospective randomized, controlled trial comparing synchronized nasal intermittent positive pressure ventilation versus nasal continuous positive airway pressure as modes of extubation. *Pediatrics* 2001; 108:13–17.
- Kiciman NM, Andreasson B, Bernstein G, Mannino FL, Rich W, Henderson C&Heldt GP:** Thoracoabdominal motion in newborns during ventilation delivered by endotracheal tube or nasal prongs. *Pediatr Pulmonol* 1998; 25(3):175-181.
- Kirby R, Robison E, Schulz J&DeLemos RA:** Continuous-flow ventilation as an alternative to assisted or controlled ventilation in infants. *Anesth Analg.* Nov-Dec 1972; 51(6):871-5.
- Kirkby S, Greenspan JS, Kornhauser M&Schneiderman R:** Clinical outcomes and cost of the moderately preterm infant. *Adv Neonatal Care.* 2007 Apr; 7(2):80-7.
- Kneyber MC, Blussé van Oud-Alblas H, van Vliet M, Uiterwaal CS, Kimpfen JL&van Vught AJ:** Concurrent bacterial infection and prolonged mechanical ventilation in infants with respiratory syncytial virus lower respiratory tract disease. *Intensive Care Med.* 2005 May;31(5):680-5. Epub 2005 Apr 1.
- Knight D:** Oxygen Therapy and Monitoring, 2007.The general disclaimer regarding use of Newborn Services Guidelines and Protocols applies to this guideline. Newborn Services Clinical Guideline
- Knight D:** Oxygen Therapy: Standing Orders for Nursing Staff, 2001, July the general disclaimer regarding use of Newborn Services Guidelines and Protocols applies to this guideline. Newborn Services Clinical Guideline
- Kocis KC, Dekeon MK, Rosen HK, Bandy KP, Crowley DC, Bove EL& Kulik T:** Pressure-regulated volume control vs volume control ventilation in infants after surgery for congenital heart disease. *Pediatr Cardiol.* 2001 May-Jun;22(3):233-7.
- Kolat T, Aunganon K& Yosthiem P:** Airway complications in neonates who received mechanical ventilation.J Med Assoc Thai. 2002 Aug;85 Suppl 2:S455-62.
- Kollef M:** Respiratory Failure: Complications of Mechanical Ventilation; Respiratory Medicine .From Online. Posted 09/01/2002
- Kotecha S, Hodge R, Schaber JA, et al:** Pulmonary Ureaplasma urealyticum is associated with the development of acute lung inflammation and chronic lung disease in preterm infants. *Pediatr Res* 2004 Jan; 55(1): 61-8.
- Kramer BW:** Antenatal inflammation and lung injury: prenatal origin of neonatal disease. *J Perinatol.* 2008 May; 28 Suppl 1:S21-7.
- Kresch MJ, Lin WH&Thrall RS:** Surfactant replacement therapy. *Thorax* 1996 Nov; 51(11): 1137-54.
- Krishnan U, Mitchell JD, Messina I, Day AS& Bohane TD:** Assay of tracheal pepsin as a marker of reflux aspiration. *J Pediatr Gastroenterol Nutr.* 2002 Sep;35(3):303-8.
- Kugelman A, Feferkorn I, Riskin A,Chistyakov I, Kaufman B and Bader D :**Nasal Intermittent Mandatory Ventilation Versus Nasal Continuous Positive Airway Pressure for Respiratory Distress Syndrome: A Randomized, Controlled, Prospective Study ,Received 13 July 2006; revised 19 December 2006; accepted 25 January 2007. Available online 21 April 2007. The Journal of Pediatrics .Volume 150, Issue 5, May 2007, Pages 521-526.e1- Copyright © 2007 Elsevier B.V. All rights reserved. Science Direct® is a registered trademark of Elsevier B.V.
- Kuluz JW, McLaughlin GE, Gelman B, et al.** The fraction of inspired oxygen in infants receiving oxygen via nasal cannula often exceeds safe levels. *Respir Care* 2001; 46:897–901.
- Kuo KC, Shen YH& Hwang KP:** Clinical implications and risk factors of extended-spectrum beta-lactamase-producing Klebsiella pneumoniae infection in children: a case-control retrospective study in a medical center in southern Taiwan. *J Microbiol Immunol Infect.* 2007 Jun;40(3):248-54.
- Labenne M, Michaut F, Gouyon B, Ferdynus C&Gouyon JB:** A population-based observational study of restrictive guidelines for antibiotic therapy in early-onset neonatal infections. *Pediatr Infect Dis J.* 2007 Jul;26(7):593-9.Comment in: *Pediatr Infect Dis J.* 2007 Jul;26(7):600-1.
- Labenne M, Poyart C, Rambaud C, et al:** Blind protected specimen brush and bronchoalveolar lavage in ventilated children. *Crit Care Med* 1999 Nov; 27(11): 2537-43.

- Larson EL, Cimiotti JP, Haas J, Nesin M, Allen A, Della-Latta P& Saiman L:** Gram-negative bacilli associated with catheter-associated and non-catheter-associated bloodstream infections and hand carriage by healthcare workers in neonatal intensive care units. *Pediatr Crit Care Med.* 2005 Jul;6(4):457-61.
- Lee KS, Dunn MS, Fenwick M, et al:** A comparison of under-water bubble continuous positive airway pressure with ventilator derived continuous positive airway pressure in premature infants ready for extubation. *Biology of the Neonate* 1998; 73: 69.
- Lemyre B, Davis PG&De Paoli AG:** Nasal intermittent positive pressure ventilation versus nasal continuous positive airway pressure for apnea of prematurity. The Cochrane Library, Issue 1. Oxford: Update Software, 2002.
- Lemyre B, Davis PG& De Paoli AG:** Nasal intermittent positive pressure ventilation (NIPPV) versus nasal continuous positive airway pressure (NCPAP) for apnea of prematurity.This review is published as a Cochrane review in The Cochrane Library, Issue 4, 2004.
- Lemyre B:** Nasal intermittent positive pressure ventilation (NIPPV) versus nasal continuous positive airway pressure (NCPAP) for apnea of prematurity.Cochrane Rev Abstract. 2007; ©2007 The Cochrane Collaboration. Posted 07/01/2007
- Leone M, Delliaux S, Bourgoïn A, Albanèse J, Garnier F, Boyadjiev I, Antonini F& Martin C:**Risk factors for late-onset ventilator-associated pneumonia in trauma patients receiving selective digestive decontamination. *Epub* 2004 Dec 2. Comment in: *Intensive Care Med.* 2005 Aug;31(8):1137; author reply 1138. &*Intensive Care Med.* 2005 Jul;31(7):999; author reply 1000. *Intensive Care Med.* 2005 Jan;31(1):64-70.
- Leone RJ Jr&Krasna IH:** ‘Spontaneous’ neonatal gastric perforation: is it really spontaneous? *J Pediatr Surg* 2000;35(7):1066-1069.
- Leuthner SR& Das UG:** Low Apgar scores and the definition of birth asphyxia. *Pediatr Clin North Am.* 2004 Jun;51(3):737-45.
- Lindner U, Hilgendorff A, Frey G& Gortner L:** Drug utilisation in very preterm infants: any changes during the past decade? *Klin Padiatr.* 2008 Jul-Aug;220(4):238-42. *Epub* 2008 Apr 9.
- Lindwall R, Frostell CG& Lonnqvist PA:** Delivery characteristics of a combined nitric oxide nasal continuous positive airway pressure system. *Paediatr Anaesth* 2002;12(6):530-536.
- Locke RG, Wolfson MR, Shaffer TH, et al.:** Inadvertent administration of positive end-distending pressure during nasal cannula flow. *Pediatrics* 1993;91:135–8.
- Madan A, Brozanski BS, Cole CH, Oden NL, Cohen G& Phelps DL:** A pulmonary score for assessing the severity of neonatal chronic lung disease. *Pediatrics.* 2005 Apr; 115(4):e450-7.
- Magnenant E, Rakza T, Riou Y, Elgellab A, Matran R, Lequien P& Storme L:**Dynamic behavior of respiratory system during nasal continuous positive airway pressure in spontaneously breathing premature newborn infants. *Pediatr Pulmonol.* 2004 Jun;37(6):485-91.
- Makhoul IR, Smolkin T, Sujov P:** Pneumothorax and nasal continuous positive airway pressure ventilation in premature neonates: a note of caution. *ASAIO J* 2002;48(5):476-479. (*Makhoul-1,et al.,2002*)
- Makhoul IR, Sujov P, Smolkin T, Lusky A& ReichmanB:** Epidemiological,clinical, and microbiological characteristics of late-onset sepsis among very low birth weight infants in Israel: a national survey. *Pediatrics.* 2002 Jan;109(1):34-9.
- Mammel M C:** New Modes of Neonatal Ventilation: Let There be Light. *Journal of Perinatology* (2005) 25, 624–625. doi:10.1038/sj.jp.7211377
- Mariani G, Cifuentes J& Carlo WA:** Randomized trial of permissive hypercapnia in preterm infants. *Pediatrics* 1999 Nov; 104(5 Pt 1): 1082-8[Medline].
- Markestad T&Fitzhardinge PM:** Growth and development in children recovering from bronchopulmonary dysplasia. *J Pediatr* 1981 Apr; 98(4): 597-602.
- Markowicz P, Wolff M, Djedaini K, Cohen Y, Chastre J, Delclaux C, Merrer J, Herman B, Veber B, Fontaine A, et al:** Multicenter prospective study of ventilator-associated pneumonia during acute respiratory distress syndrome. Incidence, prognosis, and risk factors. ARDS Study Group. *Am J Respir Crit Care Med* 2000; 161: 1942-1948 .

- Marraro GA.:** Innovative practices of ventilatory support with pediatric patients. *Pediatr Crit Care Med*. 2003 Jan;4(1):8-20.
- Marraro GA:** practical guidelines for mechanical ventilation .Copyright© 2000 All rights reserved with Levioza Disclaimer: The information given by www.pediatriconcall.com is provided by medical and paramedical & Health providers voluntarily for display & is meant only for informational purpose. Last updated on 01-01-2005
- Martin RJ&Abu-Shaweesh JM:** Control of breathing and neonatal apnea. *Biol Neonate*. 2005; 87(4):288-95. Epub 2005 Jun 1.
- Mayock DE:** Persistent Pulmonary Hypertension Of The Newborn.NICU-WEB.University of Washington Academic Medical Center | Copyright © 2000 | Disclaimer-Children's Hospital and Regional Medical Center | Copyright © 2002 | Disclaimer, Authors References Created: 07/20/96; Reviewed 10/2000 Revised: 10/2000.
- Mazella M et al:** A randomised controlled study comparing the Infant Flow Driver with nasal continuous positive airway pressure in preterm infants. *Archives of Diseases in Childhood Fetal & Neonatal Edition..* 85:86 2001.
- Mazzella M, Bellini C, Calevo MG, Campone F, Massocco D, Mezzano P, et al:** A randomised control study comparing the Infant Flow Driver with nasal continuous positive airway pressure in preterm infants. *Arch Dis Child Fetal Neonatal Ed* 2001;85(2):F86-F90.
- McCallion N, Davis PG&Morley CJ:** Volume-targeted versus pressure-limited ventilation in the neonate. 2005;[Full Text].
- McIntire DD& Leveno KJ:** Neonatal mortality and morbidity rates in late preterm births compared with births at term. *Obstet Gynecol*. 2008 Jan;111(1):35-41.
- Mehta NM& Arnold JH:** Mechanical ventilation in children with acute respiratory failure. *Curr Opin Crit Care*. 2004 Feb;10(1):7-12.
- Merran A. Thomson, Bradley A. Yoder, et al.:** Treatment of Immature Baboons for 28 Days with Early Nasal Continuous Positive Airway Pressure *American Journal of Respiratory and Critical Care Medicine* Vol 169. pp. 1054-1062, (2004),American Thoracic Society)
- Messori A, Trippoli S, Vaiani M, Gorini M& Corrado A:** Bleeding and pneumonia in intensive care patients given ranitidine and sucralfate for prevention of stress ulcer: meta-analysis of randomised controlled trials. *Br Med J* 2000; 321: 1103-1106 [Abstract/Free Full Text].
- Metinko AP:** Neonatal pulmonary host defense mechanisms. In: Polin RA, Fox WW, eds. *Fetal and Neonatal Physiology*. 3rd ed. Philadelphia: WB Saunders Co; 2004:1620-73.
- Meyer M, Mildenhall L&Wong M:**Outcomes for infants weighing less than 1000 grams cared for with a nasal continuous positive airway pressure-based strategy. *J Paediatr Child Health*. 2004 Jan-Feb;40(1-2):38-41.
- Migliori C, et al.:** Neonatal non invasive ventilation: different acronyms for different techniques. *The Journal of Pediatrics* .Volume 150, Issue 5, May 2007, Pages 521-526.e1-Fetal Neonatal Ed. Online, 3 Sep 2007- Copyright © 2007 Mosby, Inc. All rights reserved.
- Millar D& Kirpalani H:** Benefits of Non Invasive Ventilation *Indian Pediatrics* 2004; 41:1008-1017
- Miller J D &Carlo W A:** Pulmonary Complications of Mechanical Ventilation in Neonates. *Iatrogenic Disease. Clinics*.Volume 35, Issue 1, March 2008, Pages 273-281 .Available online 15 February 2008.
- Mishoe SC, Brooks CW Jr, Dennison FH, Hill KV&Frye T:** Octave waveband analysis to determine sound frequencies and intensities produced by nebulizers and humidifiers used with hoods. *Respir Care* 1995; 40(11):1120-1124.
- Moa G, Nilsson K, Zetterstrom H&Jonsson LO:** A new device for administration of nasal continuous positive airway pressure in the newborn: an experimental study. *Critical Care Med* 1988; 16: 1238-42.
- Mohr AM, Sifri ZC, Horng HS, Sadek R, Savetamal A, Hauser CJ& Livingston DH:** Use of aerosolized aminoglycosides in the treatment of Gram-negative ventilator-associated pneumonia. *Surg Infect (Larchmt)*. 2007 Jun;8(3):349-57.
- Mokuolu AO, Jiya N&Adesiyun OO:** Neonatal septicaemia in Ilorin: bacterial pathogens and antibiotic sensitivity pattern. *Afr J Med Med Sci*. 2002 Jun; 31(2):127-30.
- Morley C and Davis P:** Continuous positive airway pressure: current controversies. *Curr Opin Pediatr*. 2004 Apr; 16(2):141-5.

- Morosini A&Davies MW:** Predicting the need for ventilation in term and near-term neonates. *J Paediatr Child Health*. 2004 Aug; 40(8):438-43.
- Muhe L, Degefu H, Worku B, Oljira B& Mulholland EK:** Comparison of nasal prongs with nasal catheters in the delivery of oxygen to children with hypoxia. *J Trop Pediatr* 1998; 44(6):365-368.
- Mullett MD, Cook EF& Gallagher R:** Nosocomial sepsis in the neonatal intensive care unit. *J Perinatol*. 1998 Mar-Apr;18(2):112-5.
- Mulrooney N., Champion Z., Moss T. J. M., Nitsos I., Ikegami M., and Jobe A. H.:** Surfactant and Physiologic Responses of Preterm Lambs to Continuous Positive Airway Pressure, *Am. J. Respir. Crit. Care Med.*, March 1, 2005; 171(5): 488 - 493.
- Murphy WP, Hansell BJ, Fuloria M, et al.:** A randomized comparison of two CPAP systems for the successful extubation of extremely low birth weight infants [abstract]. *Pediatr Res* 2001; 49:288A.
- Mutlu GM, Mutlu EA& Factor P:** GI complications in patients receiving mechanical ventilation. *Chest* 2001 Apr; 119(4): 1222-41.
- Myers TR:** Selection of an oxygen delivery device for neonatal and pediatric patients: American Association for Respiratory Care AARC Clinical Practice Guideline.2002 revision & update. *Respir Care* 2002 Jun; 47(6):707-16. [97 references] PubMed, The National Guideline Clearinghouse™ (NGC) 1998-2007 National Guideline Clearinghouse, Date Modified: 1/29/2007
- Nair P.M.C., Reddy V.G. and Jaya S. :** Neonatal CPAP - Our Experience with Benveniste's Valve Manuscript received: March 21, 2001, Initial review completed: May 3, 2001; Revision accepted: March 6, 2002. *Indian Pediatrics* 2002; 39:851-855
- Narendran V, Donovan EF, Hoath SB, Akinbi HT, Steichen JJ, and Jobe AH:** Early bubble CPAP and outcomes in ELBW preterm infants. *J Perinatol* 2003; 23: 195-199.
- Nguyen Q V:** *Health Sciences Center Hospital-Acquired Infections*. Edi(s):Jaimovich D,Windle M L, Domachowske J,et al., in: eMedicine Specialties > Pediatrics: General Medicine > Infectious Disease Article Last Updated: Aug 21, 2007.
- Noor A& Hussain SF:** Risk factors associated with development of ventilator associated pneumonia. *J Coll Physicians Surg Pak*. 2005 Feb; 15(2):92-5.
- Northway WH Jr:** Bronchopulmonary dysplasia: twenty-five years later. *Pediatrics* 1992 May; 89(5 Pt 1): 969-73.
- Notter RH:** Lung surfactants: Basic science and clinical applications. In: *Lung Biology in Health and Disease*. Vol 149. 2000:7-344.
- Nseir S, Deplanque X, Di Pompeo C, Diarra M, Roussel-Delvallez M& Durocher A:** Risk factors for relapse of ventilator-associated pneumonia related to nonfermenting Gram negative bacilli: a case-control study. *J Infect*. 2008 May;56(5):319-25. Epub 2008 Apr 10.
- Ooi R, Joshi P& Soni N:** An evaluation of oxygen delivery using nasal prongs. *Anesthesia* 1992;47(7):591-593.
- O'Shea TM, Dillard RG& Gillis DC:** Outcome at one year in infants with chronic lung disease receiving comprehensive follow-up care. A regional experience in North Carolina, 1984-1990. *N C Med J* 1992 Oct; 53(10): 548-54.
- Owen L S, Morley C J&Davis PG:** Neonatal nasal intermittent positive pressure ventilation: what do we know in 2007? *Archives of Disease in Childhood - Fetal and Neonatal Edition* 2007; 92:F414-F418; doi:10.1136/adc.2007.117614.Copyright © 2007 BMJ Publishing Group Ltd & Royal College of Paediatrics and Child Health
- Pache I:** [Use of hydrocolloid plates for skin protective fixation of the nasal tube in oral CPAP] *Kinderkrankenschwester*. 2004 Aug; 23(8):307-10.
- Pandit PB et al:** Work of breathing during constant- and variable-flow nasal continuous positive airway pressure in preterm neonates. *Pediatrics* 2001; 108: 682
- Pandit PB, Courtney SE, Pyon KH, Saslow JG, Habib RH:** Work of breathing during constant- and variable-flow nasal continuous positive airway pressure in preterm neonates. *Pediatrics* 2001;108(3):682-685.

- Papile LA, Tyson JE& Stoll BJ:** A multicenter trial of two dexamethasone regimens in ventilator- dependent premature infants. N Engl J Med 1998 Apr 16; 338(16): 1112-8.
- Parvin CA, Kaplan LA, Chapman JF, McManamon TG& Gronowski AM:** Predicting respiratory distress syndrome using gestational age and fetal lung maturity by fluorescent polarization. *American Journal of Obstetrics and Gynecology* 2005; 192:199-207.
- Paterson DL, Ko WC, Von Gottberg A, Mohapatra S, Casellas JM, Goossens H, Mulazimoglu L, Trenholme G, Klugman KP, Bonomo RA, Rice LB, Wagener MM, McCormack JG&Yu VL:** International prospective study of Klebsiella pneumoniae bacteremia: implications of extended-spectrum beta-lactamase production in nosocomial Infections. *Ann Intern Med.* 2004 Jan 6;140(1):26-32.Summary for patients in: *Ann Intern Med.* 2004 Jan 6;140(1):143.
- Peck DJ, Tulloh RM, Madden N&Petros AJ:** A wandering nasal prong: a thing of risks and problems. *Paediatr Anaesth* 1999; 9(1):77-79.
- Pedersen JE&Nielsen K:** Oropharyngeal and esophageal pressures during mono- and binasal CPAP in neonates. *Acta Paediatr* 1994;**83**:143–9.
- Peña C, Pujol M, Ardanuy C, Ricart A, Pallarés R, Liñares J, Ariza J, and Gudiol F:**An outbreak of hospital-acquired Klebsiella pneumoniae bacteraemia, including strains producing extended-spectrum beta-lactamase. *J Hosp Infect.* 2001 Jan;47(1):53-9.
- Pessoa-Silva CL, Richtmann R, Calil R, Santos RM, Costa ML, Frota AC& Wey SB:** Healthcare-associated infections among neonates in Brazil. *Infect Control Hosp Epidemiol.* 2004 Sep; 25(9):772-7.
- Petdachai W:** Nosocomial pneumonia in a newborn intensive care unit. *J Med Assoc Thai.* 2000 Apr;83(4):392-7.
- Petdachai W:** Ventilator-associated pneumonia in a newborn intensive care unit. *Southeast Asian J Trop Med Public Health.* 2004 Sep;35(3):724-9.
- Peter JV, Chacko B& Moran JL:**Comparison of closed endotracheal suction versus open endotracheal suction in the development of ventilator-associated pneumonia in intensive care patients: an evaluation using meta-analytic techniques. *Comment in: Indian J Med Sci.* 2007 Apr; 61(4):177-8. *Indian J Med Sci.* 2007 Apr; 61(4):201-11.
- Phyu P, Tin W&Sinha S:** Effect of surfactant treatment on trends in bronchopulmonary dysplasia [abstract]. *Pediatr Res* 1999; **45**:314A.
- Pieper CH, Smith J&Brand EJ:** The value of ultrasound examination of the lungs in predicting bronchopulmonary dysplasia. *Pediatr Radiol* 2003 Dec 17; 0:[Medline].
- Plotz FB, Slutsky AS, van Vught AJ& Heijnen CJ:** Ventilator-induced lung injury and multiple system organ failure: a critical review of facts and hypotheses. *Intensive Care Med.* 2004 Oct; 30(10):1865-72.
- Polin RA&Sahni R :** Newer experience with CPAP. *Semin Neonatol.* 2002 Oct; 7(5):379-89.
- Pramanik A,Donn SM, Konop Rt, Clark DA, Carol L, Wagner,et al.,** Respiratory Distress Syndrome, eMedicine Specialties > Pediatrics > Neonatology. Last Updated: March 2, 2006
- Pramanik A;** Respiratory Distress Syndrome; on eMedicine (2002)
- Qiu X, Lee SK, Tan K, Piedboeuf B, Canning R; Canadian Neonatal Network:** Comparison of singleton and multiple-birth outcomes of infants born at or before 32 weeks of gestation. Erratum in: *Obstet Gynecol.* 2008 May;111(5):1217. *Obstet Gynecol.* 2008 Feb; 111(2 Pt 1):365-71.
- Rajiah P :**Bronchopulmonary Dysplasia , Co(s): Banerjee B, Edi (s): Hoffer FA, Coombs BD, Stringer DA,Krasny RM &Lin EC, Last Updated: June 9, 2006, eMedicine Specialties > Radiology > Pediatrics
- Ramet M, Haataja R& Marttila R:** Association between the surfactant protein A (SP-A) gene locus and respiratory-distress syndrome in the Finnish population. *Am J Hum Genet* 2000 May; 66(5): 1569-79.
- Ramsey PS, Lieman JM, Brumfield CG& Carlo W:** Chorioamnionitis increases neonatal morbidity in pregnancies complicated by preterm premature rupture of membranes. *Am J Obstet Gynecol.* 2005Apr; 192(4):1162-6. 2002; 109: 758-64.

- RCOG (Royal College of Gynecology):** Antenatal corticosteroids to prevent respiratory distress syndrome. (2004) Last issued 02 Nov 2005.
- Rello J, Ausina V, Ricart M, Castella J&Prats G:** Impact of previous antimicrobial therapy on the etiology and outcome of ventilator-associated pneumonia. Comment in: Chest. 1993 Oct; 104(4):993. &Chest. 1994 Aug; 106(2):646. Chest. 1993 Oct; 104(4):1230-5.
- Rello J, Ollendorf DA, Oster G, Vera-Llonch M, Bellm L, Redman R, Kollef MH;** VAP Outcomes Scientific Advisory Group: Epidemiology and outcomes of ventilator-associated pneumonia in a large US database. Chest. 2002 Dec; 122(6):2115-21. Comment in: Chest. 2002 Dec; 122(6):1883-5.
- Ricetto AG, Ribeiro JD, da Silva MT&Baracat EC:** [Prognostic factors for mechanical ventilation in infants with acute lower respiratory disease] Rev Assoc Med Bras. 2006 Sep-Oct; 52(5):342-6.
- Rigatto H:** Maturation of breathing. Clin Perinatol 1992 Dec; 19(4): 739-56.
- Rimensberger PC:** ICU cornerstone: high frequency ventilation is here to stay. Crit Care. 2003 Oct; 7(5):342-4.
- Robertson B, Curstedt T, Tubman R, et al:** A 2-year follow up of babies enrolled in a European multicentre trial of porcine surfactant replacement for severe neonatal respiratory distress syndrome. Collaborative European Multicentre Study Group. Eur J Pediatr 1992 May; 151(5): 372-6.
- Robertson NJ& Hamilton PA:** Randomised trial of elective continuous positive airway pressure compared with rescue CPAP after extubation. Arch Dis Child Fetal Neonatal Ed 1998; 79:58F-60F.
- Robertson NJ, McCarthy LS, Hamilton PA, et al:** Nasal deformities resulting from flow driver continuous positive airway pressure. Arch Dis Child Fetal Neonatal Ed 1996; 75:F209-F212.
- Roger G Faix,2006:** Congenital Pneumonia-editor(s): Steven M Donn, Mary L Windle, Pharmacy Editor, eMedicine.com, Inc; Brian S Carter, Carol L , Neil N Finer, Last Updated: July 10, 2006 : eMedicine Specialties > Pediatrics > Neonatology
- Roilides E, Kyriakides G, Kaditsoglou I, Farmaki E, Venzon D, Katsaveli A&Kremenopoulos G:** Septicemia due to multiresistant Klebsiella pneumoniae in a neonatal unit: a case-control study. Am J Perinatol. 2000; 17(1):35-9.
- Rønnestad A, Abrahamsen TG, Medbo S, Reigstad H, Lossius K, Kaarensen PI, Engelund IE, Irgens LM& Markestad T:** Septicemia in the first week of life in a Norwegian national cohort of extremely premature infants. Pediatrics. 2005 Mar; 115(3):e262-8. Epub 2005 Feb 1.
- Roth BJ, Irvine TW, Liening DA, Duncan NO&Cragun WHC:** Acute respiratory compromise resulting from tracheal mucous impaction secondary to a transtracheal oxygen catheter. Chest 1992; 101(5):1465-1466.
- Rüdiger M, Herrmann S, Schmalisch G, Wauer RR, Hammer H& Tschirch E:** Comparison of 2-h versus 3-h enteral feeding in extremely low birth weight infants, commencing after birth. Acta Paediatr. 2008 Jun; 97(6):764-9. Epub 2008 Apr 16.
- Sahni R, Ammari A, Suri MS, Milisavljevic V, Ohira-Kist K, Wung JT& Polin RA:** Is the new definition of bronchopulmonary dysplasia more useful? J Perinatol. 2005 Jan; 25(1):41-6.
- Salyer JW& Chatburn RL:** Patterns of practice in neonatal and pediatric respiratory care. Respir Care 1990;35(9):879-888.
- Salyer JW:** Neonatal and pediatric pulse oximetry. Respir Care 2003; 48(4):386-396; discussion 397-398.
- Sampietro VI, Azevedo MP& Resende JG:** [Measurement of airflow resistance in prongs of nasal continuous positive airway pressure for newborns.] J Pediatr (Rio J) 2000; 76(2):133-137. [Article in Portuguese] English translation available at <http://www.jped.com.br/conteudo/00-76-02-133/ing.asp>. Accessed August 16, 2004.
- Sanchez E C:** Hyperbaric Oxygen Therapy In Neonates.Mums: National Parent to Parent Network. .Gordon JJ;email:mailto:"mums@netnet.net" Last updated May 20, 2003.
- Sanders RC& Thurman TL, Holt SJ, et al:** Work of breathing associated with pressure support ventilation in two different ventilators. Pediatr Pulmonol 2001;32:62-70.

- Sandri F, Ancona G& Mosca F:** Prophylactic vs rescue nasal continuous positive airway pressure (~CPAP) in preterm infants: Preliminary results of a multicenter randomized controlled trial. *Pediatr Res* 2001; 273A: 1558.
- Sandri F, Ancora G, Lanzoni A, et al.:** Prophylactic nasal continuous positive airway pressure in newborns of 28-31 weeks gestation: multicentre randomized controlled clinical trial. *Archives of Disease in Childhood Fetal and Neonatal Edition* 2004; 89:F394-8.
- Sanghvi KP&Tudehope DI:** Neonatal bacterial sepsis in a neonatal intensive care unit: a 5 year analysis. *J Paediatr Child Health*. 1997 Aug;32(4):333-8.Comment in:
- Santin RL& Porat R, 2004:** Apnea of Prematurity-editor(s): Steven M Donn, Robert Konop, Arun Pramanik, Carol L Wagner, and Neil N Finer, Last Updated: October 27, 2004 Rate this Article : eMedicine Specialties > Pediatrics > Neonatology
- Schaub J:** [Bronchopulmonary dysplasia (BPD) and CPAP use on newborn and premature infants. II. Management of CPAP respiration] *Kinderkrankenschwester*. 2005 Feb; 24(2):47-53.
- Sehgal R, Gaiind R, Chellani H& Agarwal P:** Extended-spectrum beta lactamase-producing gram-negative bacteria: clinical profile and outcome in a neonatal intensive care unit. *Ann Trop Paediatr*. 2007 Mar; 27(1):45-54.
- Seigel D& Romo B:** Extended use of prefilled humidifier reservoirs and the likelihood of contamination. *Respir Care* 1990;35(8):806-810.
- Shad H Deering:** Abruptio Placentae. eMedicine Specialties > Obstetrics and Gynecology > Obstetrical Complications. Updated: Jan 11, 2007
- Shah V, Ohlsson A, Hallidah HL&Dunn MS:** Early administration of inhaled corticosteroids for prevention of chronic lung disease in ventilated VLBW preterm neonates. Cochrane Neonatal group, Cochrane database of systematic reviews, Issue 3, 2001.
- Sharma R, Tepas JJ 3rd, Hudak ML, Mollitt DL, Wludyka PS, Teng RJ&Premachandra BR:** Neonatal gut barrier and multiple organ failure: role of endotoxin and proinflammatory cytokines in sepsis and necrotizing enterocolitis. *J Pediatr Surg*. 2007 Mar; 42(3):454-61.
- Sherman MP,Steinfeld MB, Anthony F, Shoemaker CT,Sherman MP, Editor(s):Cassady G,Windle ML,Wagner CL, et al :** outcome of the neonatal intensive care unit patient, posthospital care of the NICU graduate, assessment and management of the NICU graduate - Follow-up of the NICU Patient,Last Updated: October 27, 2004 : eMedicine Specialties > Pediatrics > Neonatology
- Shinwell ES, Blickstein I, Lusky A&Reichman BP:** Effect of birth order on neonatal morbidity and mortality among very low birthweight twins: a population based study. *Arch Dis Child Fetal Neonatal Ed*. 2004 Mar;89(2):F145-8.
- Simpson JH, Ahmed I, McLaren J&Skeoch CH:**Use of nasal continuous positive airway pressure during neonatal transfer. *Arch Dis Child Fetal Neonatal Ed*. 2004 Jul;89(4):F374-5.
- Sims EJ, Vermillion ST& Soper DE:** Preterm premature rupture of the membranes is associated with a reduction in neonatal respiratory distress syndrome. *Am J Obstet Gynecol*. 2002 Aug; 187(2):268-72.
- Singh J, Sinha SK& Donn SM:** A randomized controlled trial of volume ventilation in very preterm infants: How low can we go? *Pediatr Res* 2005; 157: 1546.
- Singh JM& Stewart TE:** High-frequency mechanical ventilation principles and practices in the era of lung-protective ventilation strategies. *Respir Care Clin N Am* 2002 Jun; 8(2): 247-60.
- Slagle TA, Bifano EM, Wolf JW&Gross SJ:** Routine endotracheal cultures for the prediction of sepsis in ventilated babies. *Arch Dis Child*. 1989 Jan; 64(1 Spec No):34-8.
- Slovic TL:** Congenital and acquired lesions (most causing respiratory distress). In: Caffey's Pediatric Diagnostic Imaging. Vol 1. 10th ed. St Louis, Mo: Mosby/Elsevier Science; 2004: 95-8.
- Slutsky AS& Ranieri VM:** Mechanical ventilation: lessons from the ARDSNet trial. *Respir Res*. 2000;1(2):73-7.
- Smith PG, el-Khatib MF& Carlo WA:** PEEP does not improve pulmonary mechanics in infants with bronchiolitis. *Am Rev Respir Dis* 1993;147(5):1295-1298.

- Soll RF& Blanco F:** Natural surfactant extract versus synthetic surfactant for neonatal respiratory distress syndrome (Cochrane Review). In: The Cochrane Library, Issue 2, 2001. Oxford: Update Software.
- Soll RF:** Synthetic surfactant for respiratory distress syndrome in preterm infants (Cochrane Review). In: The Cochrane Library, Issue 2, 2001. Oxford: Update Software.
- SooHoo G W:** Barotrauma and Mechanical Ventilation,Edi(s): *Hollingsworth H M,Talavera F,Crausman R S, Timothy D Rice T D, Zab Mosenifar Z*,in: eMedicine Specialties > Pulmonology > Mechanical Ventilation .Article Last Updated: Sep 21, 2007
- Sosenko IR, Rodriguez-Pierce M, Bancalari E:** Effect of early initiation of intravenous lipid administration on the incidence and severity of chronic lung disease in premature infants. *J Pediatr* 1993 Dec; 123(6): 975-82.
- Speidel BD&Dunn PM:** Effects of continuous positive airway pressure on breathing patterns of infants with respiratory distress syndrome. *Lancet* i:302 1975.
- Sreenan C, Lemke RP, Hudson-Mason A, et al.:** High-flow nasal cannulae in the management of apnea of prematurity: a comparison with conventional nasal continuous positive airway pressure. *Pediatrics* 2001; 107:1081-3.
- Srinivasan HB& Vidyasagar D :** Endotracheal aspirate cultures in predicting sepsis in ventilated neonates. *Indian J Pediatr.* 1998 Jan-Feb;65(1):79-84.
- Srisuparp P, Marks JD, Khoshnood B&Schreiber MD:** Predictive power of initial severity of pulmonary disease for subsequent development of bronchopulmonary dysplasia. *Biol Neonate* 2003; 84(1): 31-6.
- Steer PA&Henderson-Smart DJ:** Caffeine versus theophylline for apnea in preterm infants. In: The Cochrane Database of Systematic Reviews, Issue 1, 2005.
- Stefanescu BM, Murphy WP, Hansell BJ, Fuloria M, Morgan TM& Aschner JL:** A randomized, controlled trial comparing two different continuous positive airway pressure systems for the successful extubation of extremely low birth weight infants. *Pediatrics* 2003; 112: 1031-1038.
- Stefano JL, Anday EK&Davis JM:** Pneumograms in premature infants: a study of longitudinal data. *Am J Perinatol* 1991 May; 8(3): 170-3.
- Stoelhorst GM, Rijken M, Martens SE, Brand R, den Ouden AL, Wit JM&Veen S;** Leiden Follow-Up Project on Prematurity: Changes in neonatology: comparison of two cohorts of very preterm infants (gestational age <32 weeks): the Project On Preterm and Small for Gestational Age Infants 1983 and the Leiden Follow-Up Project on Prematurity 1996-1997. *Pediatrics.* 2005 Feb; 115(2):396-405.
- Stokowski LA :** A primer on Apnea of prematurity. *Adv Neonatal Care.* 2005 Jun; 5(3):155-70; quiz 171-4.
- Stoll BJ, Hansen N, Fanaroff AA, Wright LL, Carlo WA, Ehrenkranz RA, Lemons JA, Donovan EF, Stark AR, Tyson JE, Oh W, Bauer CR, Korones SB, Shankaran S, Laptook AR, Stevenson DK, Papile LA&Poole WK:** Late-onset sepsis in very low birth weight neonates: the experience of the NICHD Neonatal Research Network. *Pediatrics.* 2002 Aug; 110(2 Pt 1):285-91.
- Stoll BJ, Hansen NI, Higgins RD, Fanaroff AA, Duara S, Goldberg R, Laptook A, Walsh M, Oh W&Hale E;** National Institute of Child Health and Human Development: Very low birth weight preterm infants with early onset neonatal sepsis: the predominance of gram-negative infections continues in the National Institute of Child Health and Human Development Neonatal Research Network, 2002-2003. *Pediatr Infect Dis J.* 2005 Jul; 24(7):635-9.
- Stover BH, Shulman ST, Bratcher DF, Brady MT, Levine GL&Jarvis WR:** Nosocomial infection rates in US children's hospitals' neonatal and pediatric intensive care units. *Am J Infect Control* 2001; 29: 152-7.
- Strand M, Kegath M, and Jobe AH:** Effects of high PCO2 on ventilated preterm lamb lungs. *Pediatr Res* 2003; 53: 468-472.
- Strauss A, Paek BW, Genzel-Boroviczeny O, Schulze A, Janssen U&Hepp H:** Multifetal gestation--maternal and perinatal outcome of 112 pregnancies. *Fetal Diagn Ther.* 2002 Jul-Aug;17(4):209-17.
- Subramaniam P, Henderson-Smart DJ&Davis PG :** Prophylactic nasal continuous positive airways pressure for preventing morbidity and mortality in very preterm infants , The review is published as a Cochrane review in The Cochrane Library, Issue 3, 2005 (see <http://www.thecochranelibrary.com> for information).

- Subramaniam P, Henderson-Smart DJ&Davis PG:** Prophylactic nasal continuous positive airways pressure for preventing morbidity and mortality in very preterm infants. (Cochrane review). In *The Cochrane Library*, Issue 3, 2003. Oxford: Update Software.
- Subramaniam P, Henderson-Smart DJ& Davis PG:** Prophylactic nasal continuous positive airways pressure for preventing morbidity and mortality in very preterm infants. *The Cochrane Library*, Issue 1. Oxford: Update Software, 2002.
- Suka M, Yoshida K, Uno H& Takezawa J:** Incidence and outcomes of ventilator-associated pneumonia in Japanese intensive care units: the Japanese nosocomial infection surveillance system. *Infect Control Hosp Epidemiol*. 2007 Mar;28(3):307-13. Epub 2007 Feb 15
- Sun SC& Tien HC:** Randomized controlled trial of two methods of nasal CPAP (NCPAP): flow driver vs conventional NCPAP [abstract]. *Pediatr Res* 1999; 45:322A.
- Survanta Multidose Study Group:** Two-year follow-up of infants treated for neonatal respiratory distress syndrome with bovine surfactant. *J Pediatr* 1994 Jun; 124(6): 962-7.
- Tablan OC, Anderson LJ, Arden NH, Breiman RF, Butler JC, McNeil MM, and the Hospital Infection Control Practices Advisory Committee:** Centers for Disease Control. Guideline for the prevention of nosocomial pneumonia. *Respir Care* 1994;39(12):1191-1236.
- Tanir HM, Sener T, Tekin N, Aksit A& Ardic N.** Preterm premature rupture of membranes and neonatal outcome prior to 34 weeks of gestation. *Int J Gynaecol Obstet*. 2003 Aug;82(2):167-72.
- Tarczy-Hornoch P,Mayock D E,Jones D,Meo H, Zerom B&Woodru D:**Mechanical Ventilators,2002, NICU WEB, University of Washington Academic Medical Center| Copyright © 2000 | Disclaimer Children's Hospital and Regional Medical Center .
- Thalcken FR:** Medical gas therapy. In: Scanlan CL, Spearman CB, Sheldon RL, editors. *Egan's fundamentals of respiratory care*. St Louis: Mosby; 1990:606-632.
- The ARDS Network:** Ventilation with lower tidal volume as compared with traditional tidal volumes for acute lung injury and the acute respiratory distress syndrome. *N Engl J Med* 2000; 342:1301-8
- The Merck Manual of Diagnosis and Therapy (M.M.O.P.T.):** Section 19. Pediatrics Chapter 260. Disturbances In Newborns And Infants, 2005
- The Merck Manual of Diagnosis and Therapy (MMOTD):** Section 19. Pediatrics .Chapter 260. Disturbances in Newborns and Infants, Pulmonary Air-Leak Syndromes, Last full review/revision November 2005
- Thome U, Carlo WA& Pohlandt F:** Ventilation strategies and outcome in randomized trials of high-frequency ventilation. *Arch Dis Child Fetal Neonatal* 2005; 90: F466-F473.
- Thome UH&Carlo WA:** High-frequency ventilation: when is it beneficial. *Neonat Respir Dis* 2003; 13: 1-11.
- Thompson JE, Farrell E&McManus M:** Neonatal and pediatric airway emergencies. *Respir Care* 1992;37(6):582- 599.
- Thomson MA:** Early Nasal Continuous Positive Airway Pressure To Minimize The Need for Endotracheal Intubation and Ventilation,NeoReviews, April 1, 2005; 6(4): e184 - e188.
- Thomson MA on behalf of the IFDAS Study Group:** Early nasal continous positive airways pressure (~CPAP). *Pediatr Res* 2002; 375A: 2204.
- Thomson MA, Yoder BA, Winter VT, Martin H, Catland D, Siler-Khodr TM&Coalson JJ:**Treatment of immature baboons for 28 days with early nasal continuous positive airway pressure. *Am J Respir Crit Care Med*. 2004 May 1; 169(9):1054-62. Epub 2004 Feb 12.
- Tom-Revzon C:** Strategic use of antibiotics in the neonatal intensive care unit. *Perinat Neonatal Nurs*. 2004 Jul-Sep;18(3):241-58.
- Tooley JR& Dyke MP:** Randomised controlled study comparing early nasal CPAP with conventional ventilation in the treatment of respiratory distress syndrome in very low birth weight preterm infants [abstract]. *Pediatr Res* 2001;49:275A.

- Torres A, Fabregas N, Ewig S, de la Bellacasa JP, Bauer TT& Ramirez J:** Sampling methods for ventilator-associated pneumonia: validation using different histologic and microbiological references. *Crit Care Med* 2000; 28: 2799-2804 [Medline].
- Trotter C& Carey BE:** Radiology basics, II: RDS and BPD. *Neonatal Netw* 2000 Apr; 19(3): 37-40.
- Troude P, L'hélias LF, Raison-Boulley AM, Castel C, Bouyer J& de La Rochebrochard E:** Apgar scores reported in personal child health records: Validity for epidemiological studies? *Paediatr Child Health*. 2008 Aug 19.
- Tseng YC, Chiu YC, Wang JH, Lin HC, Lin HC, Su BH&Chiu HH:** Nosocomial bloodstream infection in a neonatal intensive care unit of a medical center: a three-year review. *J Microbiol Immunol Infect*. 2002 Sep; 35(3):168-72.
- Umbilical Artery Catheter Trial Study Group, (UACTSG):** Relationship of intraventricular hemorrhage or death with the level of umbilical artery catheter placement: a multicenter randomized clinical trial. *Pediatrics* 1992 Dec; 90(6): 881-7.
- Umeh O& Berkowitz L B:** Klebsiella Infections.eMedicine Specialties > Infectious Diseases > Medical Topics. Updated: Apr 27, 2006
- Upadhyay A& Deorari AK:** Continuous positive airway pressure - a gentler approach to ventilation. *Indian Pediatr*. 2004 May;41(5):459-69.
- Urrea M, Iriondo M, Thio M, Krauel X, Serra M, LaTorre C&, Jiménez R:** A prospective incidence study of nosocomial infections in a neonatal care unit. *Am J Infect Control*. 2003 Dec; 31(8):505-7.
- Usta IM, Nassar AH, Awwad JT, Nakad TI, Khalil AM&Karam KS:** Comparison of the perinatal morbidity and mortality of the presenting twin and its co-twin. *J Perinatol*. 2002 Jul-Aug; 22(5):391-6.
- Vallés J, Pobo A, García-Esquirol O, Mariscal D, Real J&Fernández R :** Excess ICU mortality attributable to ventilator-associated pneumonia: the role of early vs late onset. *Intensive Care Med*. 2007 Aug;33(8):1363-8. Epub 2007 Jun 9.
- Van der Kooi TI, de Boer AS, Manniën J, Wille JC, Beaumont MT, Mooi BW& van den Hof S :** Incidence and risk factors of device-associated infections and associated mortality at the intensive care in the Dutch surveillance system. Epub 2006 Dec 5. Comment in: *Intensive Care Med*. 2007 Feb;33(2):209-11. *Intensive Care Med*. 2007 Feb;33(2):271-8.
- Van Kaam AH, Lachmann RA, Herting E, et al:** Reducing atelectasis attenuates bacterial growth and translocation in experimental pneumonia. *Am J Respir Crit Care Med* 2004 May 1; 169(9): 1046-53.
- Van Marter LJ, Leviton A&Allred EN-2:** Hydration during the first days of life and the risk of bronchopulmonary dysplasia in low birth weight infants. *J Pediatr* 1990 Jun; 116(6): 942-9.
- Van Marter LJ, Leviton A&Kuban KC-I:** Maternal glucocorticoid therapy and reduced risk of bronchopulmonary dysplasia. *Pediatrics* 1990 Sep; 86(3): 331-6.
- Vannucci RC, Towfighi J&Heitjan DF:** Carbon dioxide protects the perinatal brain from hypoxic-ischemic damage: an experimental study in the immature rat. *Pediatrics* 1995; 95: 868-874.
- Verder H, Robertson B, Greisen G, et al.: Surfactant** therapy and nasal continuous positive airway pressure for newborns with respiratory distress syndrome. *N Engl J Med* 1994; **331:1051**–5.
- Verder H:** Nasal CPAP has become an indispensable part of the primary treatment of newborns with respiratory distress syndrome. *Acta Paediatr*. 2007 Apr;96(4):482-4.
- Verhamme KM, De Coster W, De Roo L, De Beenhouwer H, Nolle G, Verbeke J, Demeyer I&Jordens P:** Pathogens in early-onset and late-onset intensive care unit-acquired pneumonia. Epub 2007 Feb 28. *Infect Control Hosp Epidemiol*. 2007 Apr;28(4):389-97.
- Vohr BR, Wright LL& Dusick AM:** Neurodevelopmental and functional outcomes of extremely low birth weight infants in the National Institute of Child Health and Human Development Neonatal Research Network, 1993-1994. *Pediatrics* 2000 Jun; 105(6): 1216-26.

- Walsh MC,Szeffler S,Davis J,Allen M, Van Marter L,Abman S,Blackmon L&Jobe A:** Summary Proceedings From the Bronchopulmonary Dysplasia Group PEDIATRICS Vol. 117 No. 3 March 2006, pp. S52-S56 (doi:10.1542/peds.2005-0620I)
- Warren DK, Shukla SJ, Olsen MA, Kollef MH, Hollenbeak CS, Cox MJ, Cohen MM& Fraser VJ:** Outcome and attributable cost of ventilator-associated pneumonia among intensive care unit patients in a suburban medical center. Crit Care Med. 2003 May;31(5):1312-7. Comment in: Crit Care Med. 2003 May;31(5):1582-3.
- Weber MW, Palmer A, Oparaugo A&Mulholland EK:** Comparison of nasal prongs and nasopharyngeal catheter for the delivery of oxygen in children with hypoxemia because of a lower respiratory tract infection. J Pediatr 1995;127(3):378-383.
- Wheeler AP& Bernard GR:**Acute lung injury and the acute respiratory distress syndrome: a clinical review. *Lancet*. May 5 2007; 369(9572):1553-64.
- Wigglesworth JS:** Perinatal Pathology. 2nd ed. Philadelphia: WB Saunders Co; 1996:131-57, 184-7.
- Wilson A, Gardner MN,Armstrong MA, Folck B F, and Escobar G J:** Neonatal Assisted Ventilation: Predictors, Frequency, and Duration in a Mature Managed Care Organization PEDIATRICS Vol. 105 No. 4 April 2000, pp. 822-830 © 2000 American Academy of Pediatrics. All rights reserved
- Wilson JM, Lund DP&Lillehes CW:** Congenital diaphragmatic hernia - A tale of two cities: The Boston experience. J of Pediatr Surg 1997; 32: 401-405.
- Wiswell TE, Baumgart S, Gannon CM&Spitzer AR:** No lumbar puncture in the evaluation for early neonatal sepsis: will meningitis be missed? Pediatrics 1995 Jun; 95(6): 803-6.
- Wiswell TE, Gannon CM, Jacob J, et al:** Delivery room management of the apparently vigorous meconium-stained neonate: results of the multicenter, international collaborative trial. Pediatrics 2000 Jan; 105(1 Pt 1): 1-7: eMedicine Specialties > Pediatrics > Neonatology
- Wongsurakiat P, Pierson DJ& Rubenfeld GD:** Changing pattern of ventilator settings in patients without acute lung injury: changes over 11 years in a single institution. *Chest*. Oct 2004; 126(4):1281-91.
- Woodgate PG&Flenady V:** Tracheal suctioning without disconnection in intubated ventilated neonates. Date edited: 21/02/2001 .Date of last substantive update: 05/02/2001 .Protocol first published: Issue 1, 1997 .Review first published: Issue 2, 2001 -Perinatal Epidemiology Unit, Mater Hospital, South Brisbane, Queensland, AUSTRALIA
- Woolner DF& Larkin J:** An analysis of the performance of a variable venturi-type oxygen mask. *Anaesth Intensive Care* 1980;8(1):44-51.
- Wung J, Driscoll Jr JM, Epstein RA, et al.:** A new device for CPAP by nasal route. *Crit Care Med* 1975; **3**:76–8.
- Xiong Z, Zhu D, Zhang Y& Wang F:** [Extended-spectrum beta-lactamase in Klebsiella pneumoniae and Escherichia coli isolates] *Zhonghua Yi Xue Za Zhi*. 2002 Nov 10;82(21):1476-9.
- Yalaz M, Cetin H, Akisu M, Aydemir S, Tunger A& Kültürsay N:**Neonatal nosocomial sepsis in a level-III NICU: evaluation of the causative agents and antimicrobial susceptibilities. *Turk J Pediatr*. 2006 Jan-Mar; 48(1):13-8.
- Yost CC& Soll RF:** Early versus delayed selective surfactant treatment for neonatal respiratory distress syndrome (Cochrane Review). In: The Cochrane Library, Issue 2, 2001. Oxford: Update Software.
- Yuan TM, Chen LH&Yu HM :** Risk factors and outcomes for ventilator-associated pneumonia in neonatal intensive care unit patients. *J Perinat Med*. 2007;35(4):334-8.
- Zafar N,Wallace C M,Kieffer P,Schroeder P,Schootman M&Hamvas A:** Improving Survival of Vulnerable Infants Increases Neonatal Intensive Care Unit Nosocomial Infection Rate *Arch Pediatr Adolesc Med*. 2001; 155:1098-1104.
- Zaharie G, Ion DA, Schmidt N, Popa M, Kudor-Szabadi L& Zaharie T:** [Prophylactic CPAP versus therapeutic CPAP in preterm newborns of 28-32 gestational weeks] *Pneumologia*. 2008 Jan-Mar; 57(1):34-7.
- Zanardo V, Simbi AK, Franzoi M, Soldà G, Salvadori A,and Trevisanuto D:**Neonatal respiratory morbidity risk and mode of delivery at term: influence of timing of elective caesarean delivery. *Acta Paediatr*. 2004 May;93(5):643-7.

Zaw W& McDonald J: Respiratory syncytial virus bronchiolitis in ex-preterm infants in the Scottish highlands: review of hospital admissions and an analysis of hospital cost. *Scott Med J* 2003 Nov; 48(4): 108-10.

Zhu XL, Zhao L, Yang JC, Chen X&Wu XH:[Etiology and high risk factors of neonatal ventilator-associated pneumonia] *Zhongguo Dang Dai Er Ke Za Zhi*. 2007 Dec; 9(6):549-52.

Ziadeh SM, Sunna E& Badria LF:The effect of mode of delivery on neonatal outcome of twins with birthweight under 1500 grams. *J Obstet Gynaecol*. 2000 Jul;20(4):389-91.