

Neuroprotection of the Developing Brain

References

- Als, H, Duffy, FH, McAnulty, GB, Rivkin, MJ, Vajepeyam, SV, Mulkern, RV, et al. Early experience alters brain function and structure. *Pediatrics* 2004;113(4):846-857.
- Als, H, Lawhon, G, Duffy, FH, McAnulty, GB, Gibes-Grossman, R, Blickman, JG. Individualized developmental care for the very low-birth-weight preterm infant: medical and neurofunctional effects. *JAMA* 1994;272:852-858.
- Altimier L, Phillips R. The Neonatal Integrative Developmental Care Model: Seven Neuroprotective Core. *Newborn & Infant Nursing Reviews*; 13: 9-22.
- American Academy of Pediatrics: Committee on Environmental Health. Noise: a hazard for the fetus and newborn. *Pediatrics* 1997;100(4):724-727.
- Berardi, N, Pizzorusso, T, & Maffei, L. Critical periods during sensory development, *Current Opinion in Neurobiology* 2000; 10(1):138-145
- Bergman, NJ, Linley, LL & Fawcus, SR. Randomized controlled trial of skin-to-skin contact from birth versus conventional incubator for physiological stabilization in 1200-2199 gram newborns. *Acta Paediatrica* 2004;93(6):779-785.
- Bremner, P, Byers, JF, Kiehl, E. Noise and the premature infant: physiological effects and practice implications. *J Obstet Gynecol Neonatal Nurs* 2003;32(4):447-454.
- Buehler, DM, Als, H, Duffy, FH, McAnulty, GB, Liederman, J. Effectiveness of individualized developmental care for low risk preterm infants: behavioral and electrophysiological evidence. *Pediatrics* 1995;96:923-932.

- Catassi C, Bonucci A, Coppa GV, Carlucci A, Giorgi P. Intestinal permeability changes during the first month: effect of natural versus artificial feeding. *J Pediatr Gastroenterol Nutr.* 1995; 21(4):383-386.
- Carbajal, R, Rousset, A, Danan, C, Coquery, S, Nolent, P, et al. Epidemiology and treatment of painful procedures in neonates in intensive care units. *JAMA* 2008;300 (1): 60-70.
- Feldman, R, Eidelman, AI, Sirota, L, Weller, A. Comparison of skin-to-skin (kangaroo) and traditional care: parenting outcomes and preterm infant development. *Pediatrics* 2002;110(1):16-26.
- Focus on the Brain Part 1: The Science of Preterm Brain Development. Vida Health Communications, Inc. 2006.
- Focus on the Brain Part 2: Clinical Practices for Special Care Nurseries. Vida Health Communications, Inc. 2006.
- Gareau, MG, Silva, MA, & Perdue, MH. Pathophysiological mechanisms of stress-induced intestinal damage. *Current Molecular Medicine*, 2008; 8:274-281.
- Hack, M, Taylor, HG, Drotar, D, Schluchter, M, Carter, L, Andreias, L, Wilson-Costello, D, Klein, N. Chronic conditions, functional limitations, and special health care needs of school-aged children born with extremely low birth weight in the 1990s. *JAMA* 2005;294(3):318-325.
- Johnston, CC, Gibbins, S, Steele, S, Stevens, B, Pinelli, J., Veilleux, A, et al. Kangaroo care is effective in diminishing pain response in preterm neonates. *Arch Pediatr Adolesc Med* 2003;157(11):1084-1088.

- Lawrence RA, Lawrence RM: *Breastfeeding: A guide for the medical profession*, 5th ed. St. Louis, Mosby, 1999.
- Limperopoulos, C, Bassan, H, Sullivan, NR, Soul, JS, Robertson, RL, et al. Positive screening for autism in ex-preterm infants: prevalence and risk factors. *Pediatrics* 2008;121(4):758-765.
- Ludington-Hoe, SM, Johnson, MW, Morgan, K, Lewis, T, et al. Neurophysiologic assessment of neonatal sleep organization: preliminary results of a randomized, controlled trial of skin contact with preterm infants. *Pediatrics* 2006 May; 177(5):e909-3923.
- Ludwig, S. Steichen, J, Khoury, J, Krieg, P. Quality improvement analysis of developmental care in infants less than 1500 grams at birth. *Newborn & Infant Nursing Reviews* 2008;8(1):94-100.
- Marlow, N, Wolke, D, Bracewell, MA, Samara, M. Neurologic and developmental disabilities at six years of age after extremely preterm birth. *NEJM* 2005;352(1):9-19.
- Melnyk, BM, Feinstein, NF, Alpert-Gillis, L, Fairbanks, E, Crean, HF, Sinkin, RA, et al. Reducing premature infants' length of stay and improving parents' mental health outcomes with the Creating Opportunities for Parent Empowerment (COPE) neonatal intensive care unit program: a randomized, controlled trial. *Pediatrics* 2006; 118:e1414-e1427.
- Morton J, Hall JY, Wong RJ, Thairu L, Benitz WE, Rhine WD. Combining hand techniques with electric pumping increases milk production in mothers of preterm infants. *J Perinatol.* 2009;29:757-764.

- Nelin, LD, Martin, B. Small Baby Guidelines at Nationwide Children's Hospital. Available at: <http://www.nationwidechildrens.org/GD/Templates/pages/medpros/ProfessionalPublications/ProPubArticle.aspx/page=5496&PageRefId=5492&ContentId=34388>.
- Peterson, BS. Brain imaging studies of the anatomical and functional consequences of preterm birth for human brain development. *Annals of the New York Academy of Sciences* 2003;1008:219-273.
- Polin, RA, Spitzer, AR, Fetal and Neonatal Secrets, 2nd Ed. Elsevier Pub, Philadelphia, Penn. 2007.
- Sehgal, A, Stack, J. Developmentally supportive care and NIDCAP. *Indian J of Pediatrics* 2006;73(11):1007-1010.
- Westrup,, B. Newborn individualized developmental care and assessment program (NIDCAP):family-centered developmentally supportivec care. *NeoReviews* 2005;6:e115-e122.
- Westrup B. Family-centered developmentally supportive care in neonatal intensive care units. Tremblay, RE, Barr, RG, Peters, RDeV, eds. *Encyclopedia on early childhood development* [online]. Montreal, Quebec: Centre of Excellence for Early Childhood Development 2004;1-6. Available at: <http://www.child-encyclopedia.com/documents/WestrupANGxp.pdf>. Published online July 12, 2004.