

Breastfeeding and Cognitive Function

Bibliography

Marsha Walker, RN, IBCLC

- Agostoni C, Trojan S, Bellu R, et al: Neurodevelopmental quotient of healthy term infants at 4 months and feeding practice: the role of long-chain polyunsaturated fatty acids. *Pediatric Research* 1995; 38:262-265
- Agostoni C, Marangoni F, Lammardo AM, et al. Breastfeeding duration, milk fat composition and developmental indices at 1 year of life among breastfed infants. *Prostaglandins Leukot Essent Fatty Acids* 2001; 64:105-109
- Anderson JW, Johnstone BM & Remley DT. Breastfeeding and cognitive development: a meta-analysis. *American Journal of Clinical Nutrition* 1999; 70:525-535
- Angelsen NK, Vik T, Jacobsen G, Bakketeig LS. Breastfeeding and cognitive development at age 1 and 5 years. *Arch Dis Child* 2001; 85:183-188
- Bauer G, Ewald LS, Hoffman J, et al: Breastfeeding and cognitive development of three-year-old children. *Psychological Reports* 1991; 68:1218
- Broad FE: The effects of infant feeding on speech quality. *N Z Med J* 1972; 76:28-31
- Broad FE: Further studies on the effects of infant feeding on speech quality. *N Z Med J* 1975; 82:373-376
- Cunnane SC, Francescutti V, Brenna JT, Crawford MA. Breastfed infants achieve a higher rate of brain and whole body docosahexaenoate accumulation than formula-fed infants not consuming dietary docosahexaenoate. *Lipids* 2000; 35:105-111
- Engle PL, Castle S, Menon P: Child development: vulnerability and resilience. *Soc Sci Med* 1996; 43:621-635
- Fergusson DM, Beautrais AL, Silva PA: Breastfeeding and cognitive development in the first seven years of life. *Soc Sci Med* 1982; 16:1705-1708
- Florey C du V, Leech AM, Blackhall A: Infant feeding and mental and motor development at 18 months of age in first born singletons. *Intl J of Epidemiology* 1995; 24(3) (Suppl 1):S21-S26
- Golding J, Rogers IS, Emmett PM: Association between breast feeding, child development and behavior. *Early Human Development* 1997; 49 Suppl:S175-S184
- Gordon N: Nutrition and cognitive function. *Brain & Development* 1997; 19:165-170
- Greene LC, Lucas A, Livingstone BE, et al: Relationship between early diet and subsequent cognitive performance during adolescence. *Biochemical Society Transactions* 1995; 23:376S
- Hoefler C, Hardy MC: Later development of breastfed and artificially fed infants. Comparison of physical and mental growth. *J Am Med Assoc* 1929; 92:615-619
- Horwood LJ, Fergusson DM: Breastfeeding and later cognitive and academic outcomes. *Pediatrics* 1998; 101(1), p.e9
Web site: <http://www.pediatrics.org/cgi/content/full/101/1/e9>
- Jacobson JL, Jacobson SW: Intellectual impairment in children exposed to polychlorinated biphenyls in utero. *N Engl J Med* 1996; 335:783-789
- Jamieson EC, Farquharson J, Logan RW, et al. Infant cerebellar gray and white matter fatty acids in relation to age and diet. *Lipids* 1999; 34:1065-1071
- Johnson DL, Swank PR: Breastfeeding and children's intelligence. *Psychological Reports* 1996; 79:1179-1185
- Lanting CI, Fidler V, Huisman M, et al: Neurological differences between 9 year old children fed breast milk or formula-milk as babies. *Lancet* 1994; 334:1319-1322

- Lanting CI, Boersma ER: Lipids in infant nutrition and their impact on later development. *Curr Opin Lipidol* 1996; 7:43-47
- Lucas A, Morley R, Cole TJ, Gore SM: A randomised multicentre study of human milk versus formula and later development in preterm infants. *Arch Dis Child* 1994; 70:F141-F146
- Lucas A, Morley R, Cole TJ, et al: Breast milk and subsequent intelligence quotient in children born preterm. *Lancet* 1992; 339:261-264
- Lucas A, Morley R, Cole TJ: Randomised trial of early diet in preterm babies and later intelligence quotient. *British Medical Journal* 1998; 317 (7171):1481-1487
- McCreadie RG: The Nithsdale Schizophrenia Surveys 16. Breastfeeding and schizophrenia: preliminary results and hypotheses. *British J of Psychiatry* 1997; 170:334-337
- Menkes JH: Early feeding history of children with learning disorders. *Dev Med Child Neurol* 1977; 19:169-171
- Morley R, Cole TJ, Powell R, Lucas A: Mother's choice to provide breast milk and developmental outcome. *Arch Dis Child* 1988; 63:1382-1385
- Morley R, Lucas A: Nutrition and cognitive development. *Br Med Bull* 1997; 53:123-134
- Morrow-Tlucak M, Haude RH, Ernhart CB: Breastfeeding and cognitive development in the first 2 years of life. *Soc Sci Med* 1988; 26:635-639
- Mortensen EL, Michaelsen KF, Sanders SA, Reinisch JM. The association between duration of breastfeeding and adult intelligence. *JAMA* 2002; 287(18):2365-2371
- Niemela A, Jarvenpaa AL: Is breastfeeding beneficial and maternal smoking harmful to the cognitive development of children? *Acta Paediatr* 1996; 85:1202-1206
- Olds DL, Henderson CR, Tatelbaum R: Intellectual impairment in children of women who smoke cigarettes during pregnancy. *Pediatrics* 1994; 93:221-227
- Pollock JJ: Long-term associations with infant feeding in a clinically advantaged population of babies. *Dev Med Child Neurol* 1994; 36:429-440
- Quinn PJ, O'Callaghan M, Williams GM, Najman JM, Andersen MJ, Bor W. The effect of breastfeeding on child development at 5 years: a cohort study. *J Paediatr Child Health* 2001 Oct;37(5):465-9
- Rao MR, Hediger ML, Levine RJ, Naficy AB, Vik T. Effect of breastfeeding on cognitive development of infants born small for gestational age. *Acta Paediatr* 2002;91(3):267-74
- Riva E, Agostoni C, Biasucci G, et al: Early breastfeeding is linked to higher intelligence quotient scores in dietary treated phenylketonuric children. *Acta Paediatr* 1996; 85:56-58
- Rodgers B: Feeding in infancy and later ability and attainment: a longitudinal study. *Develop Med Child Neurol* 1978; 20:421-426
- Rogan WJ, Gladen BC: Breastfeeding and cognitive development. *Early Human Development* 1993; 31:181-193
- Silver LB, Levinson RB, Laskin CR, Pilot LJ: Learning disabilities as a probable consequence of using chloride-deficient infant formula. *J Pediatr* 1989; 115:97-99
- Taylor B, Wadsworth J: Breastfeeding and child development at five years. *Develop Med Child Neurol* 1984; 26:73-80
- Temboury MC, Otero A, Polanco I, Arribas E: Influence of breastfeeding on the infant's intellectual development. *J Pediatr Gastroenterol Nutr* 1994; 18:32-36
- Tomblin JB, Smith E, Zhang X. Epidemiology of specific language impairment: prenatal and perinatal risk factors. *J Commun Disord* 1997; 30:325-344

Uauy R: Are omega-3 fatty acids required for normal eye and brain development in the human? *J Pediatric Gastroenterology Nutrition* 1990; 11:296-302

Xiang M, Alfvén G, Blennow M, et al. Long-chain polyunsaturated fatty acids in human milk and brain growth during early infancy. *Acta Paediatr* 2000; 89:142-147