

## JANE D. CARVER PUBLICATIONS

### REVIEW ARTICLES:

1. **Carver** JD, Walker WA. *The role of nucleotides in human nutrition.* J Nutr Biochem, 6:58-72, 1995.

### BOOK CHAPTERS AND CONTRIBUTIONS:

1. **Carver** JD, Barness LA. *Trophic factors for the gastrointestinal tract.* In: Neu J, ed., Clinics in Perinatology, W.B. Saunders Co., Philadelphia, PA, Vol 23, a. 265 - 285, 1996.
2. **Carver** JD. "Nucleotides in human milk." In: Lentz MJ ed. Bioactive factors in milk, Nestec Ltd., Vevey Switzerland, Vol 54, 88-97, 1996.
3. **Carver** JD. Contributing author to: Bases de Pediatría Crítica. Ed. Quiñones E, Campos S, Ugazzi M. Aval de la Universidad San Francisco de Quito y Hospital Metropolitano, 1996.
4. **Carver** JD. "Nutrition for preterm infants after hospital discharge." In: Advances in Pediatrics, Mosby Inc., Philadelphia, PA, Vol. 52,23-47, 2005.
5. **Carver** JD. "Conditionally essential nutrients." In: Hay W, and P Thureen, eds. Neonatal Nutrition & Metabolism, Cambridge University Press, Cambridge, England, Second edition, 299-311, 2006.

### ARTICLES:

1. **Putnam (Carver)** JC, Carlson SE, Barness LA. *The effect of variations in dietary fatty acids on the fatty acid composition of erythrocyte phosphatidylcholine and phosphatidylethanolamine in human infants.* Am J Clin Nutr 36:106-114, 1982.
2. Carlson SE, **Carver** JD, House SG. *High fat diets varying in polyunsaturated to saturated and linoleic to linolenic acid ratios: a comparison of rat neural and red cell membrane phospholipids.* J Nutr 116:718-725, 1986.
3. **Carver** JD, Cox WI, Barness LA. *Dietary nucleotide effects upon murine natural killer cell activity and macrophage activation.* J Parent Ent Nutr 14:18-22, 1990.
4. **Carver** JD, Pimentel B, Wiener DA, Lowell NE, Barness LA. *Infant feeding effects on flow cytometric analysis of blood.* J Clin Lab Anal 5:54-56, 1991.

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6. **Carver** JD, Pimentel B, Cox WI, Barness LA. *Dietary nucleotide effects in formula-fed infants.* Pediatrics 88:359-363, 1991.
7. Barness, LA, **Carver** JD. *Dietary nucleotides with relation to immune response.* Intl Pediatrics 7(1):57-60, 1992.
8. Novak D, Ray W, **Carver** JD, Grossman S. *Developmental changes in hepatic basolateral membrane lipid composition and fluidity.* Biochim Biophys Acta 1111:59-64, 1992.
9. Gilbert-Barness E, Kenison K, **Carver** JD. *Fetal hemoglobin and sudden infant death syndrome.* Arch Pathol Lab Med 117:177-179, 1993.
10. **Carver** JD, McDermott RJ, Jacobson HN, Sherin KM, Kanarek K, Pimentel B, Tan LH. *Infant mortality statistics do not adequately reflect the impact of short gestation.* Pediatrics 92:229-232, 1993.
11. **Carver** JD. *Dietary nucleotides: Cellular immune, intestinal and hepatic system effects.* J Nutrition, 124:144S-148S, 1994.
12. Novak DA, **Carver** JD, Barness LA. *Dietary nucleotides affect hepatic growth and morphology in weanling mice.* J Parent Enter Nutr, 18:62-66, 1994.
13. Stromquist CI, **Carver** JD, Papenhausen PR, Atwood CL, Spiers AS, Day N, Barness LA. *Infant immune parameters after *in utero* exposure to anti-neoplastic agents.* J Maternal-Fetal Med 3:286-288, 1994.
14. Novak D, **Carver** JD, Ananthanarayanan M, Ray W. *Diet affects hepatic membrane composition, fluidity and taurocholate transport in suckling rats.* Am J Physiol 267(2 Pt 1):6301-6307, 1994.
15. Malone JI, Lowitt S, Salem AF, Miranda C, Korthals JK, **Carver** JD. *The effects of acetyl-L-carnitine and sorbinil upon peripheral nerve structure, chemistry and function in experimental diabetes.* Metab: Clin & Exp 45:902-907, 1996.
16. **Carver** JD, Barness LA. *Trophic factors for the gastrointestinal tract.* Infant Nutr Dig 2:8-9, 1997.
17. Rayon JI, **Carver** JD, Wyble LE, Wiener D, Dickey SS, Benford VJ, Chen LT, Lim DV. *The fatty acid composition of maternal diet affects lung PGE<sub>2</sub> levels and survival from group B streptococcal sepsis in neonatal rat pups.* J Nutrition 127:1989-1991, 1997.

18. **Carver** JD, Stromquist CI, Benford VJ, Atwood ML, Minervini G, Benford SA, Barness LA. *Postnatal inositol levels in preterm infants.* J Perinatol 17(5):389-92, 1997.
19. Valencia P, **Carver** JD, Wyble LE, Benford VJ, Gilbert-Barness E, Phelps C. *The fatty acid composition of maternal diet affects the response to excitotoxic neural injury in neonatal rat pups.* Brain Res Bull 45:637-640, 1998.
20. Saste M, **Carver** JD, Stockard JE, Benford VJ, Chen L, Phelps CP. *The fatty acid composition of maternal diet affects neurodevelopment in rat pups.* J Nutrition 128:740-743, 1998.
21. **Carver** JD. *Dietary nucleotides: effects on the immune and gastrointestinal systems.* Acta Paediatr. Suppl 430:1-6, 1999.
22. **Carver** JD. *Conditionally essential nutrients: inositol, nucleotides, choline.* Sem Neon Nutr Metab 6:4-7, 1999.
23. Stockard JE, Saste MD, Benford VJ, Barness LA, **Carver** JD. *The effect of docosahexaenoic acid content of maternal diet on auditory brainstem conduction times in rat pups.* Dev Neuroscience, 78:304-307, 2000.
24. Ashmeade TL, Wiener D, Barness LA, **Carver** JD. *Transcutaneous administration of vitamin A in newborn rat pups.* Biol Neonate, 78:304-307, 2000.
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28. **Carver** JD, Saste M, Sosa R, Zaritt J, Kuchan M, Barness L. *Dietary nucleotide effects on intestinal blood flow in preterm infants.* Pediatr Research 52:425-429, 2002.
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31. Pereda L, Ashmeade T, Zaritt J, **Carver** JD. *The use of quantitative ultrasound to assess bone status in newborn preterm infants.* J Perinatology, 23:655-659, 2003.
32. **Carver** JD, Sosa R, Zaritt J, Kuchan M, Barness L. *Dietary nucleotide effects on intestinal blood flow in term infants.* J Pediatr Gastroent Nutr, 39:38-24, 2004.
33. Freeman-Ladd M, Cohen JB, **Carver** JD, Huhta JC. *The hemodynamic effects of neonatal patent ductus arteriosus shunting on superior mesenteric artery blood flow.* J Perinatology, 25:459-462, 2005.
34. **Carver** JD, Stromquist C. *Dietary nucleotides and preterm infant nutrition.* J Perinatology 26:443-4, 2006
35. Havranek T, Thompson Z, **Carver** JD: *Factors that influence mesenteric artery blood flow velocity in preterm infants.* J Perinatology, 26:493-7, 2006.
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41. Quintero RA, Chmait RH, **Carver** J, Bornick PW, Allen MH, Kontopoulos EV. *In utero fetal oximetry via visible light spectroscopy in twin-twin transfusion syndrome.* Am J Obstet Gynecol. 199:639, e1-4, 2008.

42. Ashmeade T, **Carver J**. *Right tracheal bronchus in an infant with congenital diaphragmatic hernia*. Am J Perinatol, 26:621-3, 2009.
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45. Ranells J, **Carver JD**, Kirby R. *Infantile hypertrophic pyloric stenosis: epidemiology, genetics, and clinical update*. Advances in Pediatrics, 58: 195-206, 2011.
46. **Carver JD**, Dellva B, Parchure R, Emmanuel P. *Ethical considerations in scientific writing*. Indian Journal of Sexually Transmitted Diseases and AIDS, 32 (2), 124-128, 2011.
47. Havranek T, Miladinovic B, Wadhawan R, **Carver JD**. *Factors that affect the postnatal increase in superior mesenteric artery blood flow velocity in very low birth weight preterm infants*. Submitted to: J Perinatal Medicine

## **ABSTRACTS**

76 published abstracts; 69 presented at national and international meetings

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