

**Department of Pediatrics**  
**Division of Neonatal-Perinatal Medicine**

**2002 Abstracts and Presentations**

Brown S, Liu X, Ramaekers F, and **Rosenfeld CR**. Differential Maturation in Ductus Arteriosus (DA) and Umbilical Artery (UmA) Smooth Muscle During Ovine Development. 2002 Pediatric Societies Meeting, May 4-7, 2002, Baltimore, MD (Presented)

Chen C, Liu X, Roy T, and **Rosenfeld CR**. Estrogen Receptor (ER)  $\alpha$  and  $\beta$  Expression is Cell Specific and Differentially Regulated by Daily and Acute Estradiol-17 (E2) in Reproductive and Nonreproductive Arteries. 49th Annual SGI Meeting, March 23, 2002, Los Angeles, CA (Presented)

Dashe J, Sheffield J, Olscher D, Todd S, **Jackson GL**, Wendel G. Relationship between maternal methadone dose and neonatal withdrawal. Society for Maternal –Fetal Medicine (poster presentation), 22nd Annual Meeting, 2002, Reno, Nevada

**Engle WD, Jackson GL, Sendelbach D, Stehel EK**, Ford D, Norris M, Vedro D, Velaphi S, Michelow IC. Comparison of procalcitonin (PCT) with neutrophil values (NV) and C-reactive protein (CRP) in the evaluation of term and near-term neonates with respiratory distress (RD). Pediatric Research 51:298A, 2002 (Presented)

**Engle WD, Jackson GL, Sendelbach D, Stehel EK**, Ford D, Norris M, Vedro D. Duration of antibiotic therapy (AT) for suspected pneumonia (P) in the term and near-term neonate. Pediatric Research 51:299A, 2002 (Presented)

**Jackson GL, Sendelbach D, Stehel EK**, Baum M, Manning D, **Engle WD**. Altered calcium (Ca) homeostasis in term and near-term neonates: possible association with gentamicin (G) dosing interval. Pediatric Research 51:303A, 2002 (Presented)

**Karimi P**, Mancao M. Clinical Experience with Acute Appendicitis at the University of South Alabama Childrens' and Womens' Hospital. University of South Alabama, Mobile, AL. Southern Regional Meeting, February 2002, New Orleans, LA (Presented)

Kerecman J, Grubb P, McCurnin D, Yoder B, **Shaul PW**. Increase in exhaled nitric oxide (NO) with antenatal steroid treatment of the premature baboon. American Thoracic Society, 2002 International Meeting, Abstract-On-Line, C64, 2002 (Presented)

Kerecman J, Grubb P, McCurnin D, Yoder B, **Shaul P**. Increase in exhaled nitric oxide (NO) with antenatal steroid treatment of the premature baboon. J. Invest. Med. 50:116A, 2002 (Presented)

LeFlore JL, Broyles RS, **Engle WD**. Value of neurosonography (NSG) in predicting subsequent cognitive and motor development in extremely low birth weight (ELBW;1000g) neonates. Pediatric Research 51:368A, 2002 (Presented)

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**2002 Abstracts and Presentations (cont.)**

Liu X, **Rosenfeld CR**, and Arens Y. Myometrial (MYO) and Vascular Smoothelin (SMT) Expression is Up-Regulated During Ovine Development and Pregnancy. 49th Annual SGI Meeting, March 22, 2002, Los Angeles, CA (Presented)

McCurnin DC, Yoder BT, Kerecman J, Grubb P, Coalson J, **Shaul PW**. Effect of inhaled nitric oxide on cardiac and pulmonary function in premature baboons. American Thoracic Society, 2002 International Meeting, Abstract-On-Line, C65, 2002 (Presented)

McCurnin DC, Yoder BT, Kerecman J, Grubb P, Coalson J, **Shaul PW**. Effect of inhaled nitric oxide on cardiac and pulmonary function in premature baboons. J. Invest. Med. 50:130A, 2002 (Presented)

McCurnin D, Kerecman J, Yoder B, Coalson J, Grubb P, **Shaul PW**. Effect of prenatal steroids on cardiac and pulmonary function in premature baboons. Pediatr. Res. 51:356A, 2002 (Presented)

Mineo C, Yuhanna IS, **Shaul PW**. The role of signal transduction in HDL stimulation of endothelial nitric oxide synthase. Proceedings of The Knowledge Foundation's 3rd Annual International Conference on HDL Cholesterol, Boston, MA, 2002 (Presented)

**Rosenfeld CR**, and Liu X. Bladder and Myometrial Visceral Smooth Muscle Express Different Smoothelin Isoforms During Ovine Development. 2002 Pediatric Societies Meeting, May 4-7, 2002, Baltimore, MD

**Rosenfeld CR**, and Liu X. Bladder and Myometrial Visceral Smooth Muscle Express Different Smoothelin Isoforms During Development. Experimental Biology 2002 Meeting, April 20-24, 2002, New Orleans, LA (Presented)

Silver L, Broyles RS, **Salhab WA**. Psychomotor neurodevelopmental outcome at 18 months is worse in very-low-birth-weight infants < 1000 grams with definite necrotizing enterocolitis as compared to a matched control group. SSPR Feb 21-23, 2002, New Orleans, LA

Silver L, Broyles RS, **Salhab WA**. Psychomotor neurodevelopmental outcome at 18 months is worse in very low birth weight infants < 1000 grams with definite necrotizing enterocolitis as compared to a matched control group. 40th Annual Medical Student Research Forum, UT Southwestern, January 22, 2002, Dallas, TX (Poster-Presented)

Simon D, **Vyas S**, Pierce M, Prachand N, David R and Collins, J. Testing a Fetal Origins Model for the Racial Disparity in Adult Reproductive Outcome: A Population – Based Study. Poster Presentation at Society for Maternal – Fetal Medicine, February 2002

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**2002 Abstracts and Presentations (cont.)**

Simon L, Chambliss K, Mineo C, Yuhanna I, **Shaul PW**. Domains of estrogen receptor alpha involved in plasma membrane association and nongenomic function. 31st Society of Critical Care Meeting, San Diego, 2002 (Presented)

Velaphi S, Gard J, **Jackson G, Stehel E**, Frawley W, Shalak L, Martin K, and **Sanchez P**. Development and Validation of a Nomogram for Once-Daily Dosing of Gentamicin in Term and Near-Term Newborns. Am. Pediatr Soc / Soc for Pediatr Res. May 2002 (Poster)

**Wyckoff MH**, Garcia D, **Perlman JM, Laptook AR**. Effect of dynamic lung compliance on end-tidal CO<sub>2</sub> (ETCO<sub>2</sub>) monitoring in newborn piglets and human neonates. Pediatric Academic Societies Meeting, Baltimore, MD 2002 (Presented)

**Wyckoff MH, Perlman JM**. Effective ventilation and temperature control are essential to successful outborn resuscitation. Pediatric Academic Societies Meeting, Baltimore, MD 2002. (Presented)

**Wyckoff MH, Perlman JM, Laptook AR**. Use of volume expansion during delivery room resuscitation in near-term and term infants. Pediatric Academic Societies Meeting. Baltimore, MD 2002 (Presented)