

## FNAPC Academic Productivity

### NEONATOLOGY

#### Presentations:

**Ahronovich, M.D., Baron, I.S., Baker, R., Hopp, C., Weiss, B.A., Litman, F.R.** Neurocognitive Effects of Birth at 23-25 Weeks' Gestation at Preschool and School Age: PETIT Study Outcomes, Poster presented at 2015 Pediatric Academic Societies' Meeting, in San Diego, CA, May 2015.

**Prescott, Stephanie M.**, "Hatching Weakling Babies: The Birth of Neonatal Care in America," Abstract for Podium Presentation. American Association for the History of Nurses. Dublin, Ireland 2015.

**Prescott, Stephanie M.**, "Exploring the Relationship Between Near Infrared Spectroscopy Scores and Gestational Age, Birth Weight, Day of Life, and Mean Blood Pressure in Neonates," Abstract for Poster Presentation, Southern Nursing Research Society and Eastern Pediatric Research Societies, 2016.

**Doe, Edwin,** Reid, Brittany  
Coagulation Values in Premature Infants with Low Birth Weight  
--Posters at both ESPR and PAS in 2015.

#### Publications:

Diagnosis of D-Bifunctional Protein Deficiency through Whole-Genome Sequencing: Implications for Cost-Effective Care. Khromykh A, Solomon BD, Bodian DL, Leon EL, Iyer RK, **Baker RL**, Ascher DP, **Baveja R**, Vockley JG, Niederhuber JE. *Mol Syndromol*. 2015 Sep;6(3):141-6. doi: 10.1159/000433621. Epub 2015 Jul 3.

Neuropsychological Outcomes in Extremely Preterm Preschoolers Exposed to Tiered Low Oxygen Targets: An Observational Study. **Baron IS, Weiss BA, Baker R, Ahronovich MD, Litman FR, Baveja R.** *J Int Neuropsychol Soc*. 2015 Dec 9:1-10.

**Baron, I.S., Hopp, C. & Weiss, B. A.** (2015) Developmental Normative Data for the Baron-Hopkins Board Test of Spatial Location Memory. *Child Neuropsychology*, 21, 732-50. doi: 10.1080/09297049.2014.957264

Rider, G. N., Weiss, B., McDermott, A. T., **Litman, F. R., & Baron, I. S.** (2015) Test of Visuospatial Construction: Validity Evidence in Extremely Low Birth Weight and Late Preterm Children at Early School Age. *Child Neuropsychology*. doi: 10.1080/09297049.2015.1026889

Expanding the phenotypic spectrum in EP300-related Rubinstein-Taybi syndrome. Solomon BD, Bodian DL, Khromykh A, Mora GG, Lanpher BC, Iyer RK, **Baveja R**, Vockley JG, Niederhuber JE. *Am J Med Genet A*. 2015 May;167A(5):1111-6. doi: 10.1002/ajmg.a.36883.

Diagnosis of an imprinted-gene syndrome by a novel bioinformatics analysis of whole-genome sequences from a family trio. Bodian DL, Solomon BD, Khromykh A, Thach DC, Iyer RK, Link K, **Baker RL, Baveja R**, Vockley JG, Niederhuber JE. *Mol Genet Genomic Med*. 2014 Nov;2(6):530-8.

Mutations in NOTCH1 cause Adams-Oliver syndrome. Stittrich AB, Lehman A, Bodian DL, Ashworth J, Zong Z, Li H, Lam P, Khromykh A, Iyer RK, Vockley JG, **Baveja R**, Silva ES, Dixon J, Leon EL, Solomon BD, Glusman G, Niederhuber JE, Roach JC, Patel MS. *Am J Hum Genet*. 2014 Sep

4;95(3):275-84. doi: 10.1016/j.ajhg.2014.07.011.

Provenzano, **Rajiv Baveja**, Ramaswamy Iyer, Elisabeth Klein, John E Niederhuber. Suchitra K Hourigan\*, Allison Ta\*, Wendy S.W. Wong, Nicole C Clemency, Marina G The microbiome in necrotizing enterocolitis: A case report in twins and mini-review. *Clinical Therapeutics on the Microbiome in Children and Newborns* (Accepted Feb 2016).

**Prescott, Stephanie M.** "How Propaganda Made the Difference: Neonatal Care in the Early 20th Century," *Journal of Obstetric, Gynecologic, and Neonatal Nurses*, August 2017. (In preparation-invited author).

**Prescott, Stephanie M.** Podium Presentation, American Association for the History of Nursing, 2015, Hatching Weakling Babies: The Birth of Neonatal Care in America

**Prescott, Stephanie M.** "Necrotizing Enterocolitis" [NANN.org](http://NANN.org). National Association of Neonatal Nurses, Sept. 2011., Revised May 2015. Web

### **Ongoing Studies/IRB Approved Research Protocols:**

**R. Baveja** (Co-principle Investigator):

1-The Incidence and Burden of Congenital Anomalies, Genetic Disorders and Genetic Suspicion in Children.

2-Neonatal Intestinal Microbiome: Impact on Infant and Early Childhood Health and Disease

**R. Beck** (Principle Investigator), **All other FNA Neonatologists** (Co-investigators): Compassionate Use Of Omegaven For The Treatment Of Intractable Parenteral Nutrition Associated Liver Disease.

Mohammed Aljarwi, **Edwin Doe**, Swati Agarwal, Comparison of Adverse Events in Pediatric Off-Label versus Labeled Drug Use: Fentanyl and Azithromycin in the NICU and PICU Setting

### **PASC Sleep Medicine and Other Publications:**

**Dr. Suraiya Kureshi Haider:**(My middle name/previously maiden name is listed since it is on most of my publications)

**Kureshi SA**, Gallagher PR, McDonough JM, Cornaglia M, Maggs J, Samuel J, Traylor J, Marcus CL. Pilot Study of Nasal Expiratory Positive Airway Pressure Devices for the Treatment of Childhood Obstructive Sleep Apnea Syndrome. *J Clin Sleep Med* 2014 15;10(6):663-9. Epub 2014 Jun 15.

Viorritto EN, **Kureshi SA**, Owens JA. Narcolepsy in the Pediatric Population. *Curr Neurol Neurosci Rep* 2012 Apr;12(2):175-81.

Thakre TP, Deoras K, Griffin C, **Vemana, A**, Pomore P, Krishna J. Caffeine Awareness in Children: Insights from a Pilot Study. *J Clin Sleep Med* 2015; 11(7): 741-746.

Rogers VA, Lewin DS, **Winnie GB**, Geiger-Brown J. Polysomnographic Characteristics of a Referred Sample of Children with Sickle Cell Disease. *Journal of Clinical Sleep Medicine* 2010;6:374-381.

**Alford, K. R.** Improving Positive Airway Pressure Adherence in Pediatric Patients with Obstructive Sleep Apnea: A Quality Improvement Project. (2015, November). Poster session presented at the Virginia Academy of Sleep Medicine Annual Meeting, Richmond, VA.

**Kureshi SA,** Gallagher PR, McDonough JM, Cornaglia M, Maggs J, Samuel J, Traylor J, Marcus CL. Pilot Study of Nasal Expiratory Positive Airway Pressure Devices for the Treatment of Childhood Obstructive Sleep Apnea Syndrome. *J Clin Sleep Med* 2014 15;10(6):663-9. Epub 2014 Jun 15.

Viorritto EN, **Kureshi SA,** Owens JA. Narcolepsy in the Pediatric Population. *Curr Neurol Neurosci Rep* 2012 Apr;12(2):175-81.

Freishtat RJ, Nino G, Tsegaye Y, Alcala SE, Benton AS, Watson AM, Reeves EKM, **Haider SK,** Damsker JM. Pharmacologically-induced Mitotic Synchrony in Airway Epithelial Cells as a Mechanism of Action of Anti-inflammatory Drugs. *Respir Res.* 2015; 16: 132. Published online 2015 Oct 29. doi: 10.1186/s12931-015-0293-4. PMCID: PMC4625853.

SE, Benton AS, Watson AM, **Kureshi S,** Reeves EMK, Damsker J, Wang Z, Nagaraju K, Anderson J, Williams AM, Lee AJY, Hayes K, Rose MC, Hoffman EP, Freishtat RJ. Mitotic asynchrony induces transforming growth factor- $\beta$ 1 secretion from airway epithelium. *Am J Respir Cell Mol Biol* 2014 Sep;51(3):363-9.

Freishtat RJ, Alcala S, Benton AS, Watson AM, **Kureshi S,** Reeves E, Damsker J, Wang Z, Nagaraju K, Hayes K, Lee A, Hoffman EP, Rose M. Lack of Normal Mitotic Synchrony in Regenerating Asthmatic Airway Epithelium Drives Basolateral Secretion of TGF- $\beta$ 1. (2012, May). Abstract/Poster # 27816 Presented at the American Thoracic Society Conference.

Gould C, **Kureshi SA,** Pillai, D, Koumbourlis A. Two Year Old Male with Recurrent Pericardial and Pleural Effusions. (October 2011) Abstract #89A, DOI 10.1378/chest.1119283. CHEST Conference.

**Suraiya Kureshi, MD,** Safina Kureshi ,MD, Iman Sami-Zakhari, MD, Anastassios Koumbourlis, MD, MPH. Persistent Intermittent Pleuritic Chest Pain. (May 2011) Abstract/Oral Presentation # 21361/B83. Presented at the American Thoracic Society.

\*Awarded the honor of Speaker at the American Thoracic Society Fellow's Oral Case Presentation.

Delgado-Villalta S, Sami-Zakhar I, MD, Pillai D, Sankoorikal BJ, **Kureshi S,** Lucas J. Organizing Pneumonia Presenting with Hemoptysis in A Teenager. (May 2011). Abstract #21324. American Thoracic Society.

**Kureshi SA,** Benton AS, Watson AM, Lee AY, Rose MC, Freishtat RJ. Asthmatic Airway Epithelial Secretions and Effects on Normal Airway Mitotic Regeneration/ Mitotic And Inflammatory Properties of Normal Airway Epithelial Wound Repair Are Not Altered by Secretions From Injured Asthmatic Epithelium. (April 2011) Abstract/Poster Presentation #22660 at the American Thoracic Society.

(April 2011) Abstract/Poster Presentation #25 at the Children's National Medical Center.

\*Awarded First Place for Basic and Translational Medicine

**Kureshi SA,** Khincha P, Gould C, Kureshi SS, DiBlassio S, Guerra V, Bhogate C, Ogunlesi, F. Sami-Zakhar I. Acute Neck Swelling at 35,000 feet. (May 2010) Abstract/Poster Presentation #A6223 at the American Thoracic Society.

Thakre TP, Deoras K, Griffin C, **Vemana, A,** Pomore P, Krishna J. Caffeine Awareness in Children: Insights from a Pilot Study. *J Clin Sleep Med* 2015; 11(7): 741-746.

**Vemana AP,** Darrah R, Schilz RJ, Smith P.G, Strausbaugh, S, and Drumm M. High expression endothelin variants associate with lymphangiomyomatosis and cystic fibrosis. American Thoracic Society International Conference A4335, May 2009

**Vemana AP,** Worley S, Wadia-Brink F, and Macknin M. The efficacy of echinacea, propolis and vitamin C in the prevention of illnesses in children ages 1-6 years: A double blind placebo controlled trial. Pediatric Academic Society Meeting 6309: 403, May 2007

**Dr. Vemana:** Invited speaker May 2009: High expression endothelin receptor variants associate with lymphangiomyomatosis (LAM). The LAM Foundation/NHLBI 2009 International Research Conference.

Poster presentation for **Vemana AP**, Worley S, Wadia-Brink F, and Macknin M. The efficacy of echinacea, propolis and vitamin C in the prevention of illnesses in children ages 1-6 years: A double blind placebo controlled trial. Pediatric Academic Society Meeting 6309: 403, May 2007

**Dr. Vemana:** May 2007: Best Prospective Study Award Children's Hospital Cleveland Clinic Research Day for "The efficacy of echinacea, propolis and vitamin C in the prevention of illnesses in children ages 1-6 years: A double blind placebo controlled trial"

Jacobstein MD, Hirschfeld SS, **Winnie GB**, Doershuk CF, and Liebman J. Ventricular interdependence in severe cystic fibrosis: a two-dimensional echocardiographic study. *Chest* 1981;80:399-404.

**Winnie GB**, Klinger J, Sherman JM, Thomassen MJ. Induction of phagocytic inhibitory activity in cats with chronic *Pseudomonas aeruginosa* pulmonary infection. *Infection and Immunity* 1982;38:1088-1093.

**Winnie GB**, Dearborn DG, Klinger JD, Thomassen MJ. Phagocytosis of *Pseudomonas aeruginosa* by feline alveolar macrophages: strain differences in non-immune serum. *Current Microbiology* 1983;9:63-68.

Thomassen MJ, Demko CA, **Winnie GB**, Sherman JM. Function of human alveolar macrophages from normal volunteers and cigarette smokers: effect of cystic fibrosis serum. *Journal of Leukocyte Biology* 1984;35:345-355.

Sherman JM, **Winnie GB**, Thomassen MJ, Abdul-Karim FW, Boat TF. Time course of hemosiderin production and clearance by human pulmonary macrophages. *Chest* 1984;86:409-411.

Thomassen MJ, Klinger JD, **Winnie GB**, Wood RE, Burtner C, Tomaszefski JF, Horowitz JG, Tandler B. Pulmonary cellular response to chronic irritation and chronic *Pseudomonas aeruginosa* pneumonia in cats. *Infection and Immunity* 1984;45:741-747.

**Winnie GB**, Cowan RG, Wade NA. Intravenous immune globulin treatment of pulmonary exacerbations in cystic fibrosis. *Journal of Pediatrics* 1989;114:309-314

Eigen H, Zander J, Lemen RJ, Brooks JG, Chipps BE, Mischler E, Nielson D, **Winnie GB**. Home mechanical ventilation of pediatric patients. *American Review of Respiratory Disease* 1990;141:258-259.

**Winnie GB**, Cowan RG. Respiratory tract colonization with *Pseudomonas aeruginosa* in cystic fibrosis patients: correlations between anti-*Pseudomonas aeruginosa* antibody levels and pulmonary function. *Pediatric Pulmonology* 1991;10:92-100.

**Winnie G**, Cooper J, Witson J, Cowan R, Mayer D, Lepow M. Comparison of 6 and 8 hourly tobramycin dosing intervals in treatment of pulmonary exacerbations in cystic fibrosis patients. *Pediatric Infectious Disease Journal* 1991;10:381-386.

**Winnie GB**, Cowan RG. Epstein-Barr virus infection and pulmonary exacerbations in patients with cystic fibrosis. *Pediatric Infectious Disease Journal* 1992;11:722-726.

Cowan RG, **Winnie GB**. Anti-*Pseudomonas aeruginosa* IgG subclass titers in patients with cystic fibrosis: correlations with pulmonary function, neutrophil chemotaxis and phagocytosis. *Journal of Clinical Immunology* 1993;13:359-370.

LiPuma JJ, Marks-Austin KA, Holsclaw DS, **Winnie GB**, Gilligan PH, Stull TL. Inapparent transmission of *Pseudomonas cepacia* among patients with cystic fibrosis. *Pediatric Infectious Disease Journal* 1994;13:716-724.

Fuchs HJ, Borowitz DS, Christiansen DH, Morris EM, Nash ML, Ramsey BW, Rosenstein BJ, Smith AL, Wohl ME, for the Pulmozyme (rhDNase) Study Group. Aerosolized recombinant human DNase reduces respiratory exacerbations and improves pulmonary function in patients with cystic fibrosis. *New England Journal of Medicine* 1994;331:637-642.

Orenstein DM, **Winnie GB**, Altman H. Cystic Fibrosis: A 2002 update. *Journal of Pediatrics* 2002;140:156-64.

Kaditis AG, Gourgoulanis KI, **Winnie G**. Anti-inflammatory treatment for recurrent wheezing in the first five years of life. *Pediatric Pulmonology* 2003;35:241-252.

Kaditis AG, **Winnie G**, Syrogiannopoulos GA. Anti-inflammatory Pharmacotherapy for Wheezing in Preschool Children. *Pediatric Pulmonology* 2007;42:407-420.

Rogers VA, Lewin DS, **Winnie GB**, Geiger-Brown J. Polysomnographic Characteristics of a Referred Sample of Children with Sickle Cell Disease. *Journal of Clinical Sleep Medicine* 2010;6:374-381.

#### Recent Book Chapters

Boas S, **Winnie GB**. Emphysema and Overinflation. In: Kliegman RM, Stanton B, St. Geme JW, Schor NF and Behrman RE (eds). *Nelson Textbook of Pediatrics, Nineteenth Edition*. Elsevier Saunders, Philadelphia, 2011, 1460-1462.

**Winnie GB**, Boas S.  $\alpha_1$ -Antitrypsin Deficiency and Emphysema. In: Kliegman RM, Stanton B, St. Geme JW, Schor NF and Behrman RE (eds). *Nelson Textbook of Pediatrics, Nineteenth Edition*. Elsevier Saunders, Philadelphia, 2011, 1462-1463.

**Winnie GB**, Lossef SV. Pleurisy, Pleural Effusions and Empyema. In: Kliegman RM, Stanton B, St. Geme JW, Schor NF and Behrman RE (eds). *Nelson Textbook of Pediatrics, Nineteenth Edition*. Elsevier Saunders, Philadelphia, 2011, 1505-1509.

**Winnie GB**, Lossef SV. Pneumothorax. In: Kliegman RM, Stanton B, St. Geme JW, Schor NF and Behrman RE (eds). *Nelson Textbook of Pediatrics, Nineteenth Edition*. Elsevier Saunders, Philadelphia, 2011, 1509-1512.

**Winnie GB**. Pneumomediastinum. In: Kliegman RM, Stanton B, St. Geme JW, Schor NF and Behrman RE (eds). *Nelson Textbook of Pediatrics, Nineteenth Edition*. Elsevier Saunders, Philadelphia, 2011, 1512-1513.

**Winnie GB**, Lossef SV. Hydrothorax. In: Kliegman RM, Stanton B, St. Geme JW, Schor NF and Behrman RE (eds). *Nelson Textbook of Pediatrics, Nineteenth Edition*. Elsevier Saunders, Philadelphia, 2011, 1513.

**Winnie GB**, Lossef SV. Hemothorax. In: Kliegman RM, Stanton B, St. Geme JW, Schor NF and Behrman RE (eds). *Nelson Textbook of Pediatrics, Nineteenth Edition*. Elsevier Saunders, Philadelphia, 2011, 1513-1514.

**Winnie GB**, Lossef SV. Chylothorax. In: Kliegman RM, Stanton B, St. Geme JW, Schor NF and Behrman RE (eds). *Nelson Textbook of Pediatrics, Nineteenth Edition*. Elsevier Saunders, Philadelphia, 2011, 1514-1515.