2017 AAP NCE
Chicago, Il
Section on Neonatal Perinatal Medicine Program

Friday, September 15, 2017

10:00 am-5:00 pm  Organization of Neonatal Training Program Directors

5:15 pm -6:00 pm  Keynote Address: Gerald Merenstein Lecture
                    Lou Halamek, MD, FAAP
                    Sponsored by Abbott Nutrition

6:00 pm  Opening Reception and Poster Session
                    Sponsored by Abbott Nutrition

Saturday, September 16, 2017
8:00 AM – 5:30 PM

8:00 am-9:45 am  Scientific Abstract Oral Presentations:
                   Session 1

8:05 AM  Adrenal Steroids Precursor to Product Ratio as Predictors of Neonatal Outcome
          Viral Jain, MD, Cincinnati Children’s Hospital

8:20 AM  Mesenchymal Stem Cell Biomarkers Prevent Bronchopulmonary Dysplasia via Suppression of Lung Inflammation
          Meghali Singhal, MD, University of California Irvine

8:35 AM  Implementation of an Evidence-Based Guideline to Reduce Non-Indicated Antacid Use in the NICU
          Asimenia Angelidou, MD, Harvard University

8:50 AM  Azithromycin Suppresses Lipopolysaccharide Induced Oligodendrocyte Progenitor Cell Injury Mediated by Microglia
          Sumana Ramarao, MD University of Mississippi

9:05 AM  Age-specific effects of Bacille Calmette-Guérin (BCG) Vaccine on Primary and Trained Innate Cytokine Production by Human Newborn Monocytes In Vitro are Accompanied by Distinct Metabolic Activation
          Asimenia Angelidou, MD, Harvard University

9:20 am  Presentation of Marshall Klaus Research Awards
9:45 am-11am  Scientific Abstract Oral Presentations: Session 2

9:45 AM  Estrogen Treatment Restores Deficit in Parvalbumin Expressing Interneurons In Preterm Newborns.  
Sanjeet Panda, MD,

10:00 AM  Adverse Early Life Environment Restricts Growth and Increases Hepatic Lipid Content  
Katie Fritz, MD

10:15 AM  Abdominal Near-Infrared Spectroscopy in a Piglet Model of Gastrointestinal Hypoxia Using Graded Hypoxia or Superior Mesenteric Artery Ligation  
May Chen, MD, Johns Hopkins University

10:30 AM  Hbs1L Mutation Causes Destabilization of Pelota Protein and Leads to Growth Restriction, Skeletal Dysplasia, Retinal Pigmentation, and Hypotonia in Humans and Mice  
Amy O’Connell, MD Harvard University

10:45 AM  Degradation of the Protective Lung Enzyme Angiotensin Converting Enzyme 2 (ACE 2) by Human Meconium: A Potential Mechanism of Meconium Aspiration Syndrome?  
Chintan Gandhi, MD

11:00am-11:45 am  Thomas Cone History Lecture:  
“Triumphs and Tragedies-Perspectives on 50 Years of Neonatology”  
Avroy Fanaroff, MD, FAAP  
Sponsored by Abbott Nutrition

11:45 am-12:00 pm  Section of Neonatal Perinatal Medicine Update and Awards  
John Zupancic, MD, FAAP  
Section Chairperson

12:00 pm-12:15 pm  Presentation of Neonatal Landmark Award  
Recipient: William Northway, MD, FAAP  
Sponsored by Mead John Nutrition

12:15 pm -12:30 pm  Presentation of Avroy Fanaroff Neonatal Education Award  
Recipient: Susan Niermeyer, MD, FAAP  
Sponsored by Mead John Nutrition

Lunch Break

Joint Section Program: Section on Neonatal Perinatal Medicine and Section on Pediatric Pulmonology: Acquired Pulmonary Hypertension in the NICU Population

The development of pulmonary hypertension in infants with chronic conditions in the NICU such as BPD can present a challenging diagnostic and management problem. Identifying those infants at risk through screening, and the challenges of ongoing monitoring and treatment require a multidisciplinary approach through neonatology and pulmonary.
Acute kidney injury (AKI) in the neonatal population can present a diagnostic challenge in light of the normal developmental and chronologic progression of kidney function. It may be more common than realized, possibly as high as 1 of every 3 newborns admitted to tertiary level neonatal intensive care units (NICU) and those with AKI have significantly worse outcomes.
10:00 – 10:35: Neonatal Acute Kidney Injury: Definition, Evaluation and Treatment
Jennifer Charlton, MD

10:35 – 11:10: AWAKEN (Assessment of Worldwide Acute Kidney Injury and Epidemiology in Neonates) – what have we learned? Ronnie Guillet, MD

11:10 – 11:45: Panel discussion: Viewpoints from a neonatologist and pediatric nephrologist

11:45 – 12:45 Break

12:45 – 3:00
Joint Section Program: Section on Neonatal Perinatal Medicine and Pediatric Surgery

Evidence-based Fetal and Neonatal Pediatric Surgery

12:45     Clinical Trials in Fetal Surgery – Darrel Cass (15’)
13:00     Microbial Therapies to Prevent NEC: the Preterm GI Environment – Josef Neu (15’)
13:15     Clinical Trials in the Surgical Management of NEC – Marty Blakely (15’)
13:30     Evidence for Minimally Invasive Surgery in the Newborn – Mark Wulkan (15’)
13:45     PANEL DISCUSSION (15’) – Chair/Moderator: Yinka Olutoye
14:00     Closing remarks - ADJOURN