



# ESPR Annual Meeting Sessions 2017

**FRIDAY, MARCH 24**

## **Poster I (Ormandy Ballroom, 1st Floor)**

**Moderators: Sharon Smith, Mamta Fuloria**

**6:00 – 7:30pm**

1. Relationship of histologic chorioamnionitis, clinical chorioamnionitis and neonatal sepsis  
Khalifa, Mohamed
2. Fresh Check Day: A Novel Approach to Improve Suicide Prevention Among College Students  
Rogers, Steven
3. Variability in Donor Human Milk (DHM) Protein Content Using Near Infrared Spectrometry (NIS)  
Caldwell, Jennifer
4. Urinary Tract Infections (UTI) in Preterm Infants  
Davidson, Lauren
5. Duration of antibiotics in infants ( $\geq 35$  weeks) exposed to chorioamnionitis: Have revisions to treatment guidelines changed length of therapy?  
Vasconcellos, Mansi
6. Human Placental Derived Stem Cell (HPDSCs) Significantly Improves The Cutaneous Manifestations In A Mouse Model Of Recessive Dystrophic Epidermolysis Bullosa (RDEB)  
Plumer, Trevor
7. An Evaluation of Humoral Immunodeficiency and IVIG Usage in a Cohort of Patients with DiGeorge Syndrome  
Bennett, Nicholas
8. Maternal obesity alters the serum and placenta metabolome in a mouse model  
Stuart, Tami
9. Blood glucose variability as a predictor of outcomes in hypoxic ischemic encephalopathy and whole body hypothermia  
Kuruville, Rebecca
10. Neuropathology Following Src Kinase Inhibition after Hypoxia-Ischemia and Reperfusion In Newborn Piglet Brain  
Kratimenos, Panagiotis
11. An assessment of physician culture in regards to caregiver post-traumatic stress disorder.  
Whyte-nesfield, Mekela
12. Cyclophilin D acetylation regulates cardiac myocyte differentiation  
Porter, George
13. Determinants of Sepsis Evaluation for Hypothermic Infants in the Emergency Department  
Vega, Carolina
14. Direct-to-Consumer Pediatric Tele dermatology  
Berrigan, Lindsay
15. Simulation Strategies to Teach Clinical Reasoning to Interns  
Sneller, Hannah
16. Association of Neighborhood Socioeconomic Measures with Bacterial Infections and Hospitalization in Infants <90 Days Old  
Yaeger, Jeffrey
17. Hypertension In Sickle Cell Disease And Its Association With End Organ Damage  
Ranabothu, Saritha
18. Knowledge, Attitude and Practices Among Adolescents and Parents on Serotype B Meningococcal Vaccine  
Feher, Andrea
19. Rotavirus gastroenteritis in children in the Dominican Republic during and after rotavirus vaccine introduction  
Aviles-Rios, Lourdes
20. Depression in Adolescents with Polycystic Ovarian Syndrome  
Chilukoti, Padmaja
21. Should we screen African American adolescents for vitamin D deficiency?  
Joshi, Shivani
22. ADHD and Respiratory Allergies in Children: Correlation between the State-wide Prevalences for These Conditions  
Zhu, Meng'ou
23. Association between 25-OH vitamin D and total serum IgE levels in children with food and environmental sensitivities and atopic dermatitis  
Vethachalam, Sandhya
24. Caregiver and Patient Education Levels are Associated with Poor Asthma Control in Children  
Shah, Kosha
25. Relationship Between Asthma Control and Anxiety  
Aligour, Zobida
26. Are gene polymorphisms of fibroblast growth factor 10 associated with delayed patent ductus arteriosus (PDA) closure and development of bronchopulmonary dysplasia (BPD) in extremely low birth weight (ELBW) infants?  
Amatya, Shaili



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27. Pulmonary vascular resistance after complete atrioventricular canal (CAVC) defect repair  
Pierre Louis, Marie Emeline
28. Trend of Coronary and Noncoronary Abnormalities in Children with Kawasaki Disease  
Heisler, Samantha
29. Screening and Detection of Lipid Abnormalities in Patients with a History of Kawasaki Disease.  
Patel, Neha
30. "Wellness means no wellness lectures."  
Yui, Yvonne
31. Factors affecting ADHD medication adherence in children.  
Landaverde Carpio, Ana
32. Perspectives on shared reading among a sample of Latino, Spanish-speaking parents  
Lima, Daniel
33. Failed hearing screening in infants with severe bronchopulmonary dysplasia and associated risk factors  
Stoller, Jason
34. Inverse Relationship between State-wide Prevalences of ADHD and Breastfeeding in a Nationally Representative Samples of Children in the United States  
Zhu, Meng'ou
35. Does Neonatal Caffeine Exposure Affect Learning and Memory in Adult Mice?  
Singh, Ajay Pratap
36. Skin Conductance Differences to Auditory Stimulus Pre-discharge in Prenatal Opiate Exposed Infants.  
Oji-Mmuo, Christiana
37. Prevalence of cyberbullying in patients presenting to the Pediatric Emergency Department  
Rogers, Steven
38. Knowledge translation in the Emergency Department: Improving utilization of capnography  
Shah, Rahul
39. Management of Febrile Infants in the Emergency Department: Quality Improvement Through a Clinical Pathway  
Hoppa, Eric
40. Are signs and symptoms useful in predicting Group A Streptococcal Pharyngitis?: A Pediatric Emergency Department study.  
Khan, Abdullah
41. Enhanced Care Coordination for Pediatric Emergency Department Mental Health Patients  
Rogers, Steven
42. Use of Pediatric Emergency Department in a Multi-ethnic Urban Community  
Spilsbury, Alexandra
43. Efficacy of Dietary Therapy in Children with Eosinophilic Esophagitis  
Wong, Jonathan
44. Juice intake and parental nutritional beliefs and WIC participation  
Zangaladze, Anano
45. Risk Factors Associated with Idiopathic Toe-Walking  
Milanaik, Ruth
46. Where Are All the Dads? The Underrepresentation of Fathers in Mainstream Parenting Magazine Advertisements  
Das, Prithwjit
47. Knowledge, Attitude and Practices of Parents/Caregivers on Screen Time for Children Between 2 and 10 Years  
Liu, Qing
48. Parent Knowledge, Perception and Management of Childhood Constipation  
Kazmierczak, Magdalena
49. Association of Constipation in Obese Children  
Gutierrez Bonilla, Analydia
50. Pediatric Resident and Faculty Perspectives on Group Well Baby Visits  
Loona, Sonika
51. Psychosocial Value of Group Well Care vs. Individual  
Kazmierczak, Magdalena
52. Utility of Blood Cultures in Afebrile Children Between Three Months and Three Years  
Isakharov, Naira
53. Knowledge, Attitude, and Practices Among Parents and Caregivers of Children with Fever Between 3 and 36 Months in a Multi-Ethnic Urban Community  
D'Agrosa, Christina
54. Higher socioeconomic status and adverse birth outcomes for black women  
Brant, Marisa
55. The Effect of Blood Transfusion on Hospital Length of Stay in Pediatric Sickle Cell Patients with Acute Chest Syndrome  
Singh, Adelle
56. Rotavirus Vaccination of Neonatal Intensive Care (NICU) Infants during Hospitalization is Not Associated with Increased Adverse Events Compared to Standard 2 Month Immunizations  
Briggs-Steinberg, Courtney



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57. Continuity of Care in an Inner-City Pediatric Outpatient Setting: Perceptions of Caregivers  
Nagar, Gaurav
58. Improvement in Postnatal Growth in Very Low Birth Weight (VLBW) Infants: a marker for better nutritional care?  
Asaro, Joseph
59. Disparities in Parent Attitudes Toward and Use of Mobile Health Tools in Pediatric Care  
Sykes, Emily
60. Assessing Hospital Staff Knowledge of and Barriers to Implementation of an Inpatient Safe Sleep Environment  
Dauer, Gabriella
61. Neonatal Abstinence Syndrome (NAS): An Evaluation of Outcomes in Infants Managed in a Community Setting Compared to Academic Medical Centers  
Friedman, Hayley

**SATURDAY, MARCH 25**

## Platform Scientific Abstracts I

7:45 – 9:30am

### Adolescent (Rhapsody, 4th floor)

Moderator: Aracelis Fernandez

1. Sports Team Participation is a Weak Protective Factor for E-Cigarette Use by High School Students in the United States  
Zhu, Meng'ou
2. Screening Adolescents for Depression: Comparison of PHQ9A vs HEADSSS  
Dean, Sohni
3. Knowledge and attitudes of adolescent males towards long acting reversible contraceptives  
Newport, Emily
4. Does Participation in Organized Sports Influence School Performance, Mental Health, and/or Long-term Goal Setting in Adolescents?  
Samarasinghe, Rashmi
5. Marijuana-related Knowledge and Attitude among Adolescents in an Inner-City Community Hospital  
Obiejemba, Nneoma

6. Prematurity is Dimensionally Associated with Cognitive Deficits and Structural Brain Abnormalities in Adolescence  
Nassar, Rula
7. You Eat What You See: The Association between Foods on Popular Children's TV and Increased Body Mass Index  
Zhu, Meng'ou

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### Cardiology Critical Care (Aria, 4th floor)

Moderator: George Porter

1. Long Term Outcomes of Children Operated for Anomalous Left Coronary Artery from the Pulmonary Artery (ALCAPA)  
Chan, Alice
2. Microbiologic Colonization in Neonatal and Pediatric Intensive Care Units  
Harding, Sarah
3. Association Between Thrombophilia and Childhood Arterial Ischemic Stroke Subtype and Clinical Outcome  
Mamdouhi, Tara
4. Wireless Cardio Respiratory Monitor for Neonates  
Alsofrom, Jessica
5. Newborn Heart Rate Assessment is More Accurate and Timely via Hand-Held Precordial Doppler Ultrasound (DU)  
Haggerty, Mary
6. Evaluation of critical congenital heart defects screening in the Neonatal Intensive Care Unit (NICU)  
Van Naarden Braun, Kim
7. Association of Response to Inhaled Nitric Oxide and Duration of Mechanical Ventilation in Pediatric Acute Respiratory Distress Syndrome  
Dowell, Jasmine

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### Clinical Trans Research (Maestro B, 4th floor)

Moderator: Heber Nielsen

1. Single-Cell RNA Sequencing of Kidney and Skin Biopsies of Patients with Lupus Nephritis-A Novel Approach to Understand the Molecular Mechanisms  
Ranabothu, Saritha



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2. Maturational resistance to Group B Streptococcus (GBS) intestinal colonization in mice.  
Vaz, Michelle
3. Differential effects of standard vs. high dose of caffeine on lung development in neonatal rats exposed to LPS and hyperoxia.  
Ayrapetyan, Marina
4. The highly conserved Wnt pathway is associated with the development of BPD in ELBW neonates through the interactions with WIF1, SMAD1, WISP1, and Beta-catenin.  
Janssen, Olivia
5. Role of Src Kinase in Regulation of Signal Transduction Pathways after Hypoxia in the Piglet Brain  
Brain Bajwa, Geoffrey
6. Sequential Neuropathology Following EGFR Inhibition after Hypoxia-Ischemia and Reperfusion In Newborn Piglet Brain  
Kratimenos, Panagiotis
7. Nicotine Promotes Breast Tumor Formation in Adolescent Rats  
Evinger, Marian

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## Endocrinology/DM/Obesity

(Minuet B, 4th floor)

Moderator: Jeffrey Roizen

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1. Effect of a Single Didactic Session on Physician Pediatric Obesity Prevention Confidence and Overweight/Obesity Detection  
Silber, Molly
  2. Assessment of Calcium Intake in the Pediatric Type 1 Diabetes Population (Clinical)  
Stevens, Elizabeth
  3. Definitions and Prevalence of Left Ventricular Hypertrophy in Hypertension and Obesity; a Systematic Review of Pediatric Echocardiographic Studies.  
Kahnauth, Andrew
  4. Are Renal Resistive Indices Falsely Elevated in Obese Hypertensive Children?  
Makhija, Pooja

5. Altered Expression of Hexokinase Isoforms May Mediate a Reduction in the Threshold for Glucose-Stimulated Insulin Secretion in the Perinatal Period  
Yau, Daphne
6. Association of Hypocalcemia and CHD in 22q11.2 Deletion Syndrome.  
Rayannavar, Arpana

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## GI/Metabolism (Concerto A, 3rd floor)

Moderator: Runa Watkins

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1. Food Consumption by Characters on Popular Children's Television Shows: Are Children Aware of Character Food Choices  
Zhu, Meng'ou
  2. Effect of Total Parenteral Nutrition on Expression of Drug Metabolism Genes  
Ferrucci-Da Silva, Christina
  3. High Prevalence of Functional GI Disorders among Patients with Poorly Controlled Asthma  
Colman, Ruben
  4. The IL 10/IL 5 ratio as potential tool for monitoring the inflammatory process in eosinophilic esophagitis  
Pressley-Wallace, Angela
  5. Conjugated Hyperbilirubinemia in Newborns with Gastroschisis  
Osak, Alexandra
  6. Both expressed and donor breast milk enhance the proliferation of human intestinal stem cells  
Oghifobibi, Onome
  7. The Meconium Microbiome: Pregnancy and Peripartum Influences and Association with Early Childhood Obesity  
Sabu, Priya

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## Human Milk/GI I (Concerto B, 3rd floor)

Moderator: Jim Hagadorn

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1. Are We What We Eat? Microbiome of Human Milk and Colonization of Neonatal Gut  
Assad, Maushumi

2. Variation in the Microbiome between Mother's Own Milk (MOM) and Donor Human Milk (DHM)  
Assad, Maushumi
3. Are exclusive donor milk and exclusive mother's milk diets equivalent?  
Brown, Amanda
4. Does an exclusive human milk based diet provide adequate growth in extremely premature infants?  
Htun, Zeyar
5. Exclusive human milk diet fed to ELBW infants in the NICU and anthropometrics at one year  
Brown, Amanda
6. Predictors of Parental Consent for Donor Human Milk in the NICU.  
Ghosh, Radhika
7. Bacterial Content of Pasteurized Human Donor Milk (PDHM) During Extended Refrigeration  
Mandru, Cosmina

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## **Underserved Vulnerable (Maestro A, 4th floor)**

Moderator: Nirupama Laroia

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1. Is Helping Babies Breathe program superior to the national Neonatal Resuscitation program in India?  
Salmon, Oliver
  2. Development and Validation of the Violence Protection Emergency Tool  
Struyk, Griffin
  3. NA-S-CORE, A New Scoring System for the Management of NAS  
Kocherlakota, Prabhakar
  4. Racial/Ethnic Differences in Potentially Preventable Fetal Death Among Hispanic- and White-Serving Hospitals  
Pena, Michelle-Marie
  5. Randomized controlled trial evaluating the use of a decision aid for parents facing extremely premature delivery  
Guillen, Ursula
  6. Dangers of Machine Translation: The Need for Professionally Translated Anticipatory Guidance Resources for Limited English Proficiency Caregivers  
Das, Prithwjit

**SATURDAY, MARCH 25**

## **Platform Scientific Abstracts II**

9:45 – 11:15am

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### **Allergy/Immunology**

Rhapsody, 4th floor

Moderators: Hamid Bassiri, David Hill

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1. Purinergic P2Y6 Receptors Target Inflammation and Smooth Muscle Hypertrophy in Juvenile Asthmatic Mice  
Nielsen, Heber
  2. NEUROCOGNITIVE IMPAIRMENT AND DISEASE ACTIVITY IN PEDIATRIC SYSTEMIC LUPUS ERYTHEMATOSUS  
Kraus, Raphael
  3. Predicting Pediatric Asthma-Related Admissions Using Public Air Quality Data  
Locke, Robert
  4. Linear Discriminant Analysis of Cultured Fibroblast-like Synoviocytes Identifies 6 Candidate Genes Which Predict Extended Course in Juvenile Idiopathic Arthritis  
Brescia, AnneMarie
  5. Toll-like Receptor (TLR)-2 mediates recruitment of neutrophils during influenza infection in a neonatal murine model  
Nguyen, Linda

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### **General Pediatrics (Aria, 3rd floor)**

Moderator: Adam Spanier

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1. Resource Utilization among Children who underwent Tracheostomy before 1 Year of Age  
Liou, Janet
  2. Zika Virus-related Knowledge, Attitude and Practices among Pregnant Women Residing in a U.S. Urban Region Known for Frequent Travel to Areas with Active Transmission in Latin America  
Navarro Garza, Edgar



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3. Maternal E-Cigarette Use is Linked with Toxic Stressors During Pregnancy & Increased NICU Admissions  
Bamanikar, Amruta
4. Parental Preferences for Delivery at Periviability  
Garbi, Lyndsey
5. NEURODEVELOPMENTAL OUTCOMES AND PRENATAL EXPOSURE TO MARIJUANA.  
Gutierrez Alvarez, Ana
6. Parental Health Cost Awareness and its Effect on Choice of Healthcare Setting  
Chang, Deidre

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## Human Milk/GI II (Maestro B, 4th floor)

Moderator: Rita Verma

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1. Impact of Breastmilk on Brain Microstructural Development in VLBW Infants  
Ottolini, Katherine
  2. Discharge breastmilk feeding rates in asymptomatic term newborns admitted to the Neonatal Intensive Care Unit (NICU) for maternal chorioamnionitis  
Shim, Miry
  3. Prevalence of Insufficient DHA Intake among Preterm Infants at Level 4 NICU  
Miura, Yukiko
  4. Impact of Acidified vs. Non-Acidified Liquid Human Milk Fortifiers on the Neonatal Intestinal Microbiome  
Pitts, Susan
  5. Effect of Kangaroo Care on Maturation of Cerebral Background Activity and Sleep-Wake Cycle in Preterm Infants  
Reyes-Wangh, Megan
  6. Oligosaccharide Analysis in Breast Milk and Donor Breast Milk from Mothers of Preterm Infants  
Hassinger, Denise

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## Infectious Disease—Neonatal/Basic Science

(Concerto A, 3rd floor)

Moderator: Melanie Wellington

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1. Staphylococcus aureus adaptation to human skin promotes colonization and infection  
Acker, Karen

2. The nuclear form of heme oxygenase-1 promotes glycolysis in hyperoxia but fails to protect against heme toxicity  
Carr, Jennifer
3. Tyrosine Phosphoproteome of the Cardiac Sarcomere  
Heravi, Amir
4. Maternal obesity alters angiogenic pathways in placenta precursor cells and impairs placenta vascular development  
Stuart, Tami
5. Hepatic Gene Expression during the Perinatal Transition in the Rat  
Hurley, Edward
6. Variable expression of BTB-ZF transcription factors in naïve CD4+ T cells isolated from neonatal lymphocytes  
Khalil, Marwa

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## Neonatal Potpourri I (Concerto B, 3rd floor)

Moderator: Jocelyn Leung

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1. Vascular placental pathology and the relationship between hypertensive disorders of pregnancy and neonatal outcomes in very low birthweight infants  
Strouss, Lisa
  2. Relationship between the Neonatal Infant Stressor Scale and salivary cortisol levels in hospitalized preterm infants  
Satty, Rebecca
  3. Improving Neurodevelopmental Outcomes in Very Low Birth Weight Infants by Standardizing and Optimizing Early Nutrition  
Davenport, Patricia
  4. Functional Capacity of the Glucocorticoid Receptor in Pre-term Neonates  
Madubuko, Adaora
  5. Antimicrobial stewardship: antibiotic use in well-appearing term neonates born to mothers with chorioamnionitis.  
Money, Nathan
  6. Alternative Routes of Epinephrine Administration in Neonatal Resuscitation  
Berkelhamer, Sara



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## Neonatology QI II (Minuet, 4th floor)

Moderator: Alison Falck

1. Initiation and compliance with a Chest X-Ray (CXR) reduction protocol in the Children's National Medical Center Neonatal Intensive Care Unit (NICU)  
*Ridore, Michelande*
2. Impact of the implementation of a dedicated nursing team on central line-related complications in the neonatal intensive care unit (NICU)  
*Levit, Orly*
3. Optimization of Post-Surgical Thermoregulation for NICU Infants  
*Htun, Zeyar*
4. Apnea, Bradycardia and Desaturation Spells in Premature Infants - A Protocol for Duration of "Spell-Free" Observation Period Prior to Discharge  
*Chandrasekharan, Praveen*
5. Reducing Unintended Extubation Rates in the Children's National Neonatal Intensive Care Unit (NICU): A Quality Improvement Project  
*Ridore, Michelande*
6. "PICC and Choose Carefully": a QI Initiative to Reduce NICU Central Line Days  
*O'Donnell, Elizabeth*

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## Neurology/Brain Imaging

(Maestro, 4th floor)

Moderator: Lori Billingham

1. Biochemical profiles of the developing cerebellum in preterm infants.  
*Basu, Sudeepta*
2. Glycemic Profile in Infants with Hypoxic Ischemic Encephalopathy is Associated with MRI Patterns of Brain Injury  
*Basu, Sudeepta*
3. NIRS Monitoring During Therapeutic Hypothermia and During Rewarming  
*Mandru, Cosmina*
4. Neurocognitive outcomes at 10 years of age in extremely preterm newborns with late-onset bacteremia.  
*Babata, Kikelomo*

5. Cerebral Injury in the Preterm Infant: Remote Effects on Cerebellar Development  
*Mirza, Huma*
6. Incidence and Risk Factor Variation of Severe Intraventricular Hemorrhage in a Population Based Cohort  
*Handley, Sara*

**SATURDAY, MARCH 25**

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## Plenary I (Overture, 3rd floor)

11:30 – 12:30pm

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**Lecture:** Benard Dreyer, MD

*The High Cost of Poverty: How Pediatrics Can Ameliorate Its Effects on Child Health*

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## Fellows' Clinical Case Presentation

**Competition (Aria, 3rd floor)**

12:40 – 1:40pm

Moderator: Kirsten Bechtel

1. A 4-day-old with Seizures and Low CSF Glucose  
*Belal, Tarek*
2. A Puzzling Case of Hyponatremia  
*Kalladi Puthanpurayil, Shabana*
3. 3 year-old male with anemia and acute renal failure  
*Monaghan, Julie*

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## Eastern SPR Business Meeting

(Concerto A, 3rd floor)

12:40 – 1:40pm

**SATURDAY, MARCH 25**

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## Plenary II (Overture, 3rd floor)

1:45 – 4:15pm

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**Lecture:** Mentor of the Year Award, Judy Aschner MD

*Aspire to Be the Mentor You Wish You Had*  
(1:45–2:30pm)



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## Young Investigator Award—Faculty

(Overture, 3rd floor)

2:30 – 3:15pm

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1. Bioavailability of Endotracheal (ETT) Epinephrine: Impact of Fetal Lung Liquid  
Nair, Jayasree
  2. HUMAN CORD BLOOD DERIVED UNRESTRICTED SOMATIC STEM CELLS (USSC) IMPROVE MOTOR FUNCTION IN A RABBIT MODEL OF GERMINAL MATRIX-INTRAVENTRICULAR HEMORRHAGE  
Vinukonda, Govindaiah
  3. Effect of Inspired Oxygen Concentration on Pulmonary and Systemic Hemodynamics and Oxygenation During Resuscitation of Preterm Lambs  
Chandrasekharan, Praveen

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## Young Investigator Award—Trainee

(Overture, 3rd floor)

3:30 – 4:15pm

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1. Cytokine Expression in Infant Lymphocytes: Investigation of Age-Dependent Control Mechanisms  
Sifain, Shanley
  2. Immune Memory Enhances the Cytokine Storm in Hemophagocytic Lymphohistiocytosis and Alters Response to Treatment  
Taylor, Matthew
  3. Extracellular superoxide dismutase (EC-SOD) reverses chronic pulmonary hypertension  
Lopez Da Re, Jorge

**SATURDAY, MARCH 25**

## Platform Scientific Abstract

(Overture, 3rd floor)

4:30 – 6:15pm

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## Emergency Medicine I

(Aria, 3rd floor)

Moderator: Jesse Sturm

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1. The Utility of Lung Ultrasound in the Management in Acute Bronchiolitis  
Azubuine, Uchechi
2. Do pediatric syncope patients with low-risk criteria require diagnostic testing?  
Adhikary, Mishuka
3. Use of Clinical Pathways and “Do Not Order” Set Decision Support to Decrease and Sustain Reduction of Unnecessary Testing and Treatment for Bronchiolitis  
Muthu, Naveen
4. Evaluation of an ED Referral Process to Prevent Post Traumatic Stress Symptoms in Children with Potentially Traumatic Experiences  
Bechtel, Kirsten
5. Forensic Digital Images in the Pediatric Emergency Department  
Soltis, Michael
6. Sonographic Predictors for Acute Appendicitis in Children  
Malia, Laurie
7. Hypothermia – A Sign of Sepsis in Young Infants in the ED?  
Laurich, V. Matt

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## General Pediatrics II

(Maestro A, 4th floor)

Moderator: Mark Cicero

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1. Maternal adverse childhood experiences and adverse birth outcomes  
Brant, Marisa
2. Medically Complex Infants Benefit from Post-Discharge Telemedicine Visits  
Brant, Marisa
3. My Tooth Got Knocked Out! Inadequate Knowledge among Pediatric Residents on Preventive Oral Health Topics  
Das, Prithwjit
4. Breastfeeding and Bed-Sharing in First Four Months in an Urban Multi-ethnic Community  
Winata, Viola
5. Postpartum Depressive Symptoms in Parents at Discharge from the Neonatal Intensive Care Unit





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(NICU): Risk Factors and Association with Parental Stress

Soghier, Lamia

6. Do we really know how infants sleep at home?  
Ekambaram, Maheswari

7. Characterizing Family Meetings in the Neonatal Intensive Care Unit  
Drago, Matthew

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## Hematology/Oncology (Maestro B, 4th floor)

Moderator: David Teachey

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1. Suppressive effects of umbilical cord blood (CB) derived unrestricted somatic stem cells (USSCs) on human T-cell function and in a human (Hu) NSG acute graft versus host disease (aGVHD) model.

Mehta, Brinda

2. Effect of Hydroxyurea on Cardiac Structure, Function and Ventricular Geometry.

Chokshi, Naisha

3. Modulation of the Neuroblastoma Tumor Microenvironment via Polyamine Blockade

Bassiri, Hamid

4. CONTRIBUTION OF HEME OXYGENASE-1 PROMOTER POLYMORPHISMS TO HYPERBILIRUBINEMIA IN AFRICAN-AMERICAN NEWBORNS

Schutzman, David

5. The Effect of Red Blood Cell Transfusion on Regional Oxygenation in the First 4 Days of Life

Belak, Aimee

6. Concurrent Metal Exposure from RBC Transfusion in the NICU

Falck, Alison

7. Prevalence and Utility of Low Mean Corpuscular Volume in Infants Admitted to Neonatal Intensive Care Unit

Guo, Rose

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## Neonatology/Pulmonary (Minuet, 4th floor)

Moderators: Sudeepta Basu, Amisha Jain

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1. MicroRNA Expression in the Pathogenesis of Bronchopulmonary Dysplasia

Oji-Mmuo, Christiana

2. Temporal Trends and Predictors of Organisms Isolated From the Endotracheal Tubes of Intubated Neonates

Donenfeld, Perri

3. Proposed Role of microRNA (miR)-99 in Hyperoxia-Induced Acute Lung Injury (HALI) and Bronchopulmonary Dysplasia (BPD)

Leong, Melanie

4. Pulmonary Hypertension during Whole-Body Hypothermia: Antecedent Characteristics and Co-morbidities

Lakshminrusimha, Satyan

5. Differential Gene Expression in Cord Blood WBC with exposure to Chorioamnionitis

Gayen nee' Betal, Suhita

6. A quality improvement initiative to reduce bronchopulmonary dysplasia in very low birth weight infants

Salek, Marta

7. Nasal Intermittent Mandatory Ventilation (NIMV) versus Nasal Continuous Positive Airway Pressure (NCPAP) in Stable Very Low Birth Weight (VLBW) Infants: Does Nasal Intermittent Mandatory Ventilation Provide Improved Ventilation and Cardiorespiratory Stability?

Macomber-Estill, Melissa

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## Neonatal QI (Concerto A, 3rd floor)

Moderator: Folasade Kehinde

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1. Improving Neonatal Resuscitation in the Delivery Room Using Video Recording

Kenaley, Kaitlin

2. Decreasing Reintubation in the NICU: A Quality Improvement Initiative

Johnson, Kendall

3. A Quality Improvement Initiative to Increase Immunizations in Hospitalized Infants with Severe

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Chronic Lung Disease

Milet-Letelier, Maria

4. Use of ultrasound to confirm central venous line position decreases number of X-rays and line manipulations in the neonatal intensive care unit.  
Gaulton, Jessica
5. Reducing Inhaled Nitric Oxide Use in Persistent Pulmonary Hypertension of the Newborn  
Tkach, Erin
6. Guidance algorithm for management of suspected sepsis to decrease antibiotic utilization rate in preterm infants: a quality improvement project  
Bhat, Ramachandra

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## **NICU Practices (Concerto B, 3rd floor)**

Moderator: Ed Lagamma

1. Video Laryngoscopy is Associated with Decreased Risk for Tracheal Intubation-Associated Events in the Neonatal Intensive Care Unit  
Poupirt, Nicole
2. Changes in Cerebral Oxygenation during Umbilical Arterial Blood Sampling in Very Low Birth Weight Neonates  
Mintzer, Jonathan
3. Using the Oro-Helix Length to Predict Endotracheal Tube Insertion Depths in Neonates  
Lee, Dianne
4. The Value of Routine Screening in the NICU  
Kazmi, Sadaf
5. Can Point of Care Gastric pH Monitoring Limit Acid Suppression Medication Use in the NICU?  
Ekhaguere, Osayame
6. Adherence to Pulse Oximetry Target Ranges and Development of Retinopathy of Prematurity (ROP)  
Kuklinski, Michael
7. Reduction in Antibiotic Usage in Infants Exposed to Chorioamnionitis by Combining CDC Recommendations with use of the Sepsis Risk Calculator  
Lodhi, Shaina

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## **Underserved/Vulnerable (Rhapsody, 4th floor)**

Moderator: Cathy Wiley

1. Increasing the Use of M-CHAT-R at a General Pediatric Clinic  
Jina, Asmita
2. Exploring the Experiences of Latino Families of Children Newly Diagnosed with Autism  
Coffield, Caroline
3. Adequacy of Psychosocial Supports for Grandparents Raising Their Own Grandchildren  
Kiely, Bridget
4. Health Outcomes of Infants Born to Immigrant Women Living in Upstate New York  
Thomas, James
5. Support from Key Individuals Prolongs Breastfeeding Duration Among Women of Color  
Gherlone, Nicole
6. Growth in children with chronic kidney disease and anemia: role of iron  
Amini, Ameneh

**SATURDAY, MARCH 25**

## **Poster II & Reception**

(Ormandy Ballroom, 1st floor)

Moderators: David Weber, Vanessa

Mercado, Sripriya Sundarajan

6:15 – 7:45pm

1. Comparison of the Acceptance Rate of Human Papillomavirus (HPV) Vaccine to Meningitis and Tdap Booster Vaccines in a University Based Outpatient Clinic.  
Arun, aparna
2. Challenges in early recognition of neonatal fungal sepsis  
Flannery, Dustin
3. Pediatricians Make a Difference: Effects of Anticipatory Guidance on Parent Compliance with Child Safety Guidelines  
Bilgrami, Zaid



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4. Babies Walk the Walk, But Do Pediatricians Talk the Talk? Parental Recall of Pediatricians' Warnings of Baby Walkers  
Bilgrami, Zaid
5. Understanding Barriers to Literacy Promotion Among Primary Care Pediatricians  
Mayne, Julia
6. What do neonatal fellows identify as critical in achieving competency in tracheal intubation?  
Kovatis, Kelley
7. Improving Pediatric Acute Care Through Simulation  
Craven, Meghan
8. Multidisciplinary Transport Simulation to Improve Teamwork and Communication Skills  
Germano, Jane
9. Improving Medical student education using SAGE system—A quality improvement initiative  
Barche, Apurv
10. The Pediatrician's Role in Oral Health Practice: Perceptions of Oral Health Promotion in Primary Pediatric Settings Among Pediatric Residents  
Das, Prithwijiit
11. Utility of Brain Natriuretic Peptide as a Prognostic Marker in Preterm Infants with Severe Bronchopulmonary Dysplasia  
Ansems, Sophia
12. Maternal and Neonatal Risk Factors as Predictors of Cardiac Involvement in Infants of Diabetic Mothers (IDM)  
Parmar, Narendrasinh
13. Near-infrared spectroscopy evaluation of patent ductus arteriosus closure during first week of life in very low birth weight infants  
Dey, Joel
14. The Association Between Total Parenteral Nutrition Osmolarity Infused Through Non-Central Peripherally Inserted Central Catheters (PICCs) and Complications in NICU Newborns  
Thomas, Tyler
15. Pilot study to establish normal values for resting energy expenditure in healthy term newborns at one month of age  
verma, sourabh
16. Assessing Growth in NAS Infants  
Presti, Amy
17. Comparison of Growth, Metabolic Response and Feed Tolerance in Very Low Birth Weight Infants fed Bovine Protein-based Liquid Human Milk Fortifiers  
Teper, Jordan
18. Effect of pre-eclampsia on neurodevelopmental outcomes in preterm infants  
Verma, Sourabh
19. Two-year Outcomes of Children with Severe Chronic Lung Disease Referred to a Quaternary Hospital  
DeMauro, Sara
20. Effect of Blood Transfusions on Anthropometric Measurements and Chronic Lung Disease Among Preterm Neonates Less Than 30 Weeks Gestation  
Castillo, Angeline
21. Is Apnea of Prematurity Present at the Time of Neonatal Intensive Care Unit Discharge Associated with Developmental Delay at 3 Years of Age?  
Rainaldi, Matthew
22. Timing of Early Intervention Multidisciplinary Evaluations in Infants with Severe Bronchopulmonary Dysplasia (sBPD)  
Martin, Valerie
23. Parental perspectives on diagnosis and prognosis of NICU graduates with cerebral palsy  
Guttmann, Katherine
24. Behavioral (BEH) Problems (P) in Very Low Birthweight Infants (VLBWI) Are Associated with Cerebellar (CBL) Vermis Hypoplasia and Thinning of the Corpus Callosum (TCC)  
Ghej, Vargabi
25. Predictors of Post-Necrotizing Enterocolitis Stricture Formation in Preterm Neonates  
Gray, Meghan
26. Comparative Effects of Probiotics, Prebiotics, and Synbiotics on  $\alpha$ -Defensins and IL-8 in the Terminal Ileum of Rats Exposed to Intermittent Hypoxia  
Henry, Michael
27. Neonatal outcomes in Necrotizing Enterocolitis (NEC) treated with Granulocyte Stimulating Factor (GCSF) + Intravenous Immunoglobulin (IVIG) vs Standard of Care alone: RCT Interim Safety Analysis  
Panda, Sanjeet



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28. Expansion of a Necrotizing Enterocolitis (NEC) Early Warning System to two Community NICUs: Impact on NEC Severity.  
Agyepong, Akosua
29. THE EFFECT OF SPLENECTOMY ON CLINICAL COURSE AND LABORATORY MARKERS IN PATIENTS WITH SICKLE CELL DISEASE  
Ibrahimova, Azada
30. Immature RBC indices and jaundice in neonates with ABO isoimmunization.  
JANECZKO, MICHAEL
31. Oxygen Saturation By Pulse Oximetry In Preterm Neonates—Impact Of PRBC Transfusion  
Fernandes, Nithi
32. Use of C-Reactive Protein as a Marker for Inflammation in Late-Preterm Infants  
Ericksen, Kristina
33. Dietary Supplementation with Medium-Chain Triglycerides Reduces Candida Gastrointestinal Colonization in Preterm Infants  
Arsenault, Amanda
34. Novel Description of Asymptomatic Viral Respiratory Infection Carriers in the Neonatal Intensive Care Unit  
Shui, Jessica
35. Improving the Use of Antibiotics For Early Onset Sepsis; Risk-Based Versus Antibiotics for All  
Chowdary, Naga Ramya
36. Use of the Neonatal Early-Onset Sepsis Calculator for Neonates Born to Mothers With Chorioamnionitis (CHORIO): A Cross-Sectional Survey  
Carola, David
37. Trends in prolonged use of antibiotics in neonates born to mothers with chorioamnionitis (CHORIO): A cross-sectional survey  
Ayrapetyan, Marina
38. Use of the Neonatal Early-Onset Sepsis Calculator for Neonates Born to Mothers with Chorioamnionitis  
Carola, David
39. A Comparison of Neonatal Early Onset Sepsis Calculator Results and Standard Laboratory Diagnostic Tests in Neonates Exposed to Chorioamnionitis  
Carola, David
40. Culture Negative Sepsis in the NICU: What Drives the Decision to Extend Antibiotics?  
Schmatz, Melissa
41. The Effect Of Intravenous Acetaminophen On Opioid Use In Preterm Infants  
Garbi, Lyndsey
42. Transcutaneous Bilirubin Measurement in Preterm Neonates, Can we rely on it?  
Soffer, Omri
43. Effect of Chest Shielding on Urinary Nitric Oxide levels in Premature Infants Undergoing Phototherapy  
Mannan, Javed
44. Relationship Between NIRS Brain and Somatic StO<sub>2</sub> vs Vital Sign Parameters of NICU Patients  
Massa-Buck, Beri
45. Correlation of Neuropathology Following Hypoxia-Ischemia with Recovery on Days 1,3,7 and 14, in the Newborn Piglet Brain.  
Kratimenos, Panagiotis
46. The General Movements Assessment in Infants with Hypoxic Ischemic Encephalopathy  
Pouppirt, Nicole
47. Effect of Hypothermia on Longitudinal Neuropathology Following Hypoxia-Ischemia and Reperfusion in Newborn Piglet Brain  
Kratimenos, Panagiotis
48. Association of hyponatremia and fluid status with brain injury in newborns with hypoxic-ischemic encephalopathy (HIE)  
Massaro, An
49. Antenatal Magnesium Sulfate for Neuroprotection in Very Preterm Infants and Short-Term Clinical Outcomes  
Flynn, Rachel
50. Early Serum Magnesium Concentration in Premature Infants Prenatally Exposed to Magnesium Sulfate  
Okito, Ololade
51. Retinopathy of Prematurity Twin Concordance in The G-ROP Study  
Tomlinson, Lauren
52. Parent Perspectives of Concern for Mortality in the NICU  
Boulais, Jaclyn



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53. Acute kidney injury and abnormalities on brain MRI or death in infants with hypoxic-ischemic encephalopathy  
Dougherty, Margaret
54. Implementation of a Neonatology Point-of-Care Ultrasound Training Program in a Large Academic Neonatal Intensive Care Unit  
Fraga, María
55. Pregnancy associated hypertension (PAH), antenatal Magnesium sulfate (MgSO<sub>4</sub>) and increased maternal age are risk factors for late preterm birth (LPT)  
Ericksen, Kristina
56. Maternal Breast Milk Feeding and Length of Treatment in Infants with Neonatal Abstinence Syndrome.  
Favara, Michael
57. Response to Inhaled Nitric Oxide is Not Altered by Whole Body Hypothermia  
Smith, Sara
58. Airway Pressure and Tidal volume Delivered by A Prototype High Frequency Nasal Cannula Device Compared to Bubble CPAP  
Abubakar, Kabir
59. Genetic Strain and Sex Differences in the Hyperoxia-induced Mouse Model of Bronchopulmonary Dysplasia  
Leary, Sean
60. Tracheal Aspirates Do Not Correlate with Bronchoalveolar Lavage Cultures or Cell Counts in Pre-Term Neonates with Bronchopulmonary Dysplasia  
Friedman, Nicholas
61. Survival and Decannulation after Infant Tracheostomy  
Lioy, Janet
62. ROCK2 Gene Single Nucleotide Polymorphisms and Association with Bronchopulmonary Dysplasia in Extremely Low Birth Weight Infants  
Rajbhandari, Sharina
63. Impact of Respiratory Therapist Driven Weaning Protocol On Duration of Inhaled Nitric Oxide Therapy in Neonates  
Rajalakshmi, Aparna Kaleeckal
64. The Role of ASB3 Gene Single Nucleotide Polymorphism in the Progression to Bronchopulmonary Dyplasia in Extremely Low Birth Weight Infants.  
Zylak, Anna
65. Improving timely delivery of antibiotics for neonates > 34 weeks with maternal chorioamnionitis at an academic urban level III NICU  
Ajayi, Samuel
66. Correlations of Symptoms, Stool H.Pylori vs Endoscopic Biopsy for H.Pylori  
BAIG, AYESHA
67. Single-Nucleotide Polymorphism Analysis of Peroxisome Proliferator-Activated Receptor Gamma Association with Bronchopulmonary Dysplasia  
Nguyen, Margaret
68. Prenatal Maternal Anxiety: Effects on Hippocampal Development in Fetuses with Complex Congenital Heart Disease  
Wu, Yao

**SUNDAY, MARCH 26**

## **Poster III & Continental Breakfast**

(Ormandy Ballroom, 1st floor)

Moderators: Zubair Aghai, David Carola

7:30 – 9:00am

1. Caffeine versus Ibuprofen and its Effects on Biomarkers of Inflammation in the Lungs of Neonatal Rats Exposed to Hyperoxia and Intermittent Hypoxia.  
Calo, Johanna
2. Risk Factors for Delayed Resolution of Bradycardic Events in Premature Neonates  
Cosgriff, Lauren
3. Carbon Dioxide Washout Efficiency During Heated and Humidified High Flow using Heliox vs. Nitrox  
Sivieri, Emidio



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4. Practice variation in the the use of volume-targeted ventilation (VTV).  
Gupta, Ashish
5. Labored Breathing Index: Calculation using Uncalibrated vs. Calibrated Respiratory Inductance Plethysmography in Premature Infants  
Sivieri, Emidio
6. Survey of Ventilation Practices in the NICUs of USA and Canada.  
Gupta, Ashish
7. Postnatal Betamethasone decreases respiratory index in ventilated extremely low birth weight (ELBW) neonates compared to conventional care  
Murray, Yuanyi
8. A Prototype High Frequency Nasal Cannula Device Delivers Higher and More Consistent Airway Pressure and Tidal Volume Compared to Regular High Flow Nasal cannula  
Abubakar, Kabir
9. Prospective Study of the Rate and Timing of Endotracheal Intubation (ETI) in Preterm Neonates 2015-2016  
Shore, Paul
10. Maternal antenatal corticosteroid therapy (ACT) between 30 and 34 weeks gestation and neonatal morbidity in late preterm and early term infants  
Salnave, Joan
11. Rate and management pattern of congenital diaphragmatic hernia at Maternity Hospital, Kuwait  
Abdo, Ebtihaj
12. Poor outcomes in a cohort of infants with severe bronchopulmonary dysplasia managed on prolonged non-invasive respiratory support.  
Zhang, Huayan
13. Pulse Oximetry, Electrocardiogram and Capnography - Role in Detecting Return of Spontaneous Circulation (ROSC) in a Neonatal Model of Cardiac Arrest  
Chandrasekharan, Praveen
14. Resident-driven simple intervention measures can result in significant improvement in delivery room and operating room preparedness for safe delivery of the neonate  
ZARZOSO-FERNANDEZ, SARA
15. Improving Documentation of Neonatal Resuscitation  
Germano, Jane
16. Evaluation of Feeding and Sedation Practices with Therapeutic Hypothermia for Hypoxia Ischemic Encephalopathy  
Singh, Ajay Pratap
17. Management (Mx) of Infants  $\geq 35$  weeks at High Risk (HR) for Hypoglycemia (HYPOG) is Inconsistent with AAP Recommendations (REC) and may Impact Neurocognitive (NC) Outcome  
Tiwari, Priyanka
18. CCHD Screening in the NICU with Pre- and Post-ductal Pulse Oximetry and Blood Pressure at 24 to 48 hours.  
Fernandes, Nithi
19. Efficacy, safety and usability of remifentanil as pre-medication for INSURE in preterm neonates  
Audil, Hadiyah
20. Standardizing Management of Patients with Post-Hemorrhagic Hydrocephalus  
Flibotte, John
21. Patient-driven isolette weaning reduces days in isolette before wean to crib  
Tkach, Erin
22. Comparison of Point-of-Care (POC) versus Central Laboratory (CL) Testing of Electrolytes, Hemoglobin and Bilirubin in Neonates  
Choi, Ha-young
23. Immunization Related Events in Hospitalized Infants with Severe Chronic Lung Disease  
Milet-Letelier, Maria
24. Implementation of I-PASS in the Neonatal Intensive Care Unit (NICU): Improving the Handoff Process  
Quinones Cardona, Vilmaris
25. Increasing Skin to Skin Care in the NICU – Efficacy of a Resident Initiative.  
Sequeira Gomes, Rochelle
26. Decreasing Antibiotic Exposure in Very Low Birth Weight Infants: A Multidisciplinary Approach to Culture Change  
Akinola, Modupeola



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27. EVIDENCE-BASED GUIDELINES FOR OPTIMIZATION OF NUTRITION FOR THE VERY LOW BIRTH WEIGHT AND EXTREMELY LOW BIRTH WEIGHT INFANTS  
Noh, Yeon-Kyeong
28. Quality Improvement Measures in Early Detection of IV Infiltrates to Decrease Severe IV injuries in Neonates  
Sangam, subhasri
29. Safe Sleep Educational Initiative: A Quality Improvement Study  
Vaz, Michelle
30. To improve growth retardation in infants less than 1500gms in our NICU revised David Box, MD MS, Shakuntala Chandra, MD  
Box, David
31. Red blood cell transfusions early in life are associated with threshold (Type 1) retinopathy of prematurity.  
Schechter, Leah
32. Maternal Lung, Placenta and Fetal Pulmonary Circulation Minimize Fluctuations in Fetal Cerebral Oxygenation  
Fernandes, Nithi
33. Impact of timing of antenatal corticosteroid treatment on neonatal outcomes  
Kenaley, Kaitlin
34. Fetal measures of pulmonary and genito-urinary development and pregnancy outcomes in suspected posterior urethral valves.  
Abrams, Gillian
35. Improving Breastfeeding by Increasing LATCH Scores – Efficacy of a Resident Initiative  
Zenobi, Carolina
36. Birth Order, Birth Weight and Early Weight Loss in Newborns Greater and Equal to 36 Weeks of Gestation  
Simpson, Jennifer
37. Targeting the Golden Hour of Life: Identifying changes in Golden Hour guidelines and impact of outcomes in infants  
Noh, El
38. Decreasing time to antibiotics in the neonatal intensive care unit  
Wu, Katherine
39. Comparison of readmission rates between preterm infants transferred to a post-acute care inpatient rehabilitation hospital and those discharged directly from a level IV Regional NICU  
Singh, Meenakshi
40. Decreasing Vancomycin Utilization in the NICU by Optimizing Treatment Decisions in Suspected Late Onset Sepsis  
Weinberger, Barry
41. Increase understanding and use of the use of volume targeting in preterm infants.  
Lopez Da Re, Jorge
42. Improving the Turnaround Time (TAT) from Order to Administration of First Dose Antibiotics in the Neonatal Intensive care Unit (NICU)  
Lafferty, Margaret
43. Asthma Classification and Spacer Use in Pediatrics: Quality Improvement Project  
Chen, Linda
44. Reducing Time to Treatment of Diabetic Ketoacidosis in the Emergency Department Setting  
Vajravelu, Mary Ellen
45. Red Reflex Screening in Cambodia: Exploring the effects of a brief training  
Bell, Lauren
46. Decreasing unnecessary antibiotic administration in neonates  $\geq 34$  weeks' gestation using a validated sepsis risk calculator tool  
Ezhuthachan, Alok
47. Introduction of triggers for palliative care consultation improve utilization and satisfaction within a level 4 NICU  
Nguyen, Linda
48. In Vitro Biological Characteristics of Extremely Preterm versus Term Umbilical Cord-Derived Mesenchymal Stem Cells for Reversal of Neonatal Lung Injury  
Kochekkar V. Benny, Merline
49. Determining the Most Effective Methods of Storage for Pediatric Urinary Microbiome Studies  
Kinneman, Lauren
50. Novel Identification of the Urinary Microbiome in Children  
Kinneman, Lauren



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## 51. PHYSICIAN AND PARENTAL PERCEPTIONS OF PEDIATRIC MEDICAL MARIJUANA

Powell, Michael

## 52. Parental Compliance with and Recollection of Receiving Updated AAP Car Safety Seat Guidelines

Bilgrami, Zaid

## 53. Maternal Exposures and their association with Pharmacologic treatment in an NAS cohort

Lembeck, Amy

## 54. Grandma Still Knows Best: Information Sources Parents Use for Child Safety Guidance

Bilgrami, Zaid

## 55. PARENT AND CHILD PERCEPTIONS OF ZIKA VIRUS

Redenti, Andrew

## 56. Implementation of safe sleep practices at a New York City community hospital: Prevention through Education

Leung, Pablo

## 57. Sleep Duration, Sleep Hygiene And Parents' Sleep Knowledge Of Children Referred For Polysomnography

McNamara, Caitlin

## 58. Disparities in Compliance and Recollection of Receiving Anticipatory Guidance from a Pediatrician

Bilgrami, Zaid

## 59. Parenting Experiences and Self-Perceived Parenting Abilities of Grandparents Raising Their Own Grandchildren

Kiely, Bridget

## 60. VIBROTACTILE STIMULATION: A COMPLEMENTARY INTERVENTION FOR OPIOID WITHDRAWAL IN NEWBORNS

Bloch-Salisbury, Elisabeth

## 61. DOES CORTISOL PREDICT WITHDRAWAL SEVERITY IN OPIOID-EXPOSED NEWBORNS?

Rodriguez, Nicolas

## 62. BREAST MILK VS FORMULA: LENGTH OF HOSPITALIZATION IN OPIOID-EXPOSED NEWBORNS

Bloch-Salisbury, Elisabeth

## 63. Early manifestation of autosomal dominant polycystic kidney disease in two neonates with previously unreported PKD1 mutations

Fulchiero, Rosanna

## 64. Effects of Neonatal Caffeine on Blood Pressure, Vessel Reactivity & Systemic Stress in Adult Mice

Singh, Ajay Pratap

## 65. Educational Interventions to Improve Provider Recommendation of HPV Vaccination and Vaccine Uptake

Clark, Elana

## 66. Cost Effectiveness and Yield of Syncope Work up in the Pediatric Emergency Department

Rubin, Marina

### SUNDAY, MARCH 26

## Plenary III (Overture, 3rd floor)

Moderator: Mark Cicero

9:00 – 10:15am

**Presentation:** The Young Investigator & Clinical Case Competition Awards

**The Great Debate:** *Is it Ethical to Withhold Treatment Based on Cost?*

Drs. Marc Mecurio and Jonathan Marron

### SUNDAY, MARCH 26

## Platform Scientific Abstract IV

10:30-12:15 pm

## Emergency Medicine II (Rhapsody, 4th floor)

Moderator: Melissa Langhan

1. Impact of Rapid Serum Lyme Testing on the Management of Monoarticular Arthritis in the Pediatric Emergency Department  
Mayo, Monique
2. Filling Rates and Accessibility of Self-Injectable Epinephrine Prescribed from a Pediatric Emergency Department  
Sokoloff, William
3. Obesity Diagnosis in Pediatric Emergency Departments: A Missed Opportunity  
Burnham, Kristin





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4. Concussion diagnosis in the emergency department.  
Are we hitting the mark?  
Myers, Katie
5. Diagnostic Yield of Head CT in Evaluation of Child Physical Abuse  
Clarke, Rachel
6. Performance Characteristics of a Rapid Antigen Detection Test in screening for Group A Streptococcal Infection in 3-14 Year Old Children Compared to 15-21 Year Old Youth.  
Khan, Abdullah
7. Non-Contact Infrared Skin versus Axillary Thermometers: How Are They Compared to Rectal Thermometers in Young Infants  
Friedman, Jared

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## Infectious Disease (Aria, 3rd floor)

Moderator: Murli Purswani

1. Early Antibiotic Exposure and Bronchopulmonary Dysplasia: Confounding of the Reported Association by Early Respiratory Support  
Flannery, Dustin
2. Group B Streptococcal Transmission Rates via qPCR  
Cicalese, Erin
3. Enterobacteriaceae Blooms in the Premature Intestine  
Berenz, Andrew
4. Predictors of Urinary Tract Infections in Infants  $\leq$  90 Days Old with Positive Urine Cultures  
Freeman, Sarah
5. Temporal Trends in Antibiotic Use for Risk of Early-Onset Sepsis Among Very Premature Infants Across the United States  
Flannery, Dustin
6. Procalcitonin (PCT) as a Marker of Late-Onset Sepsis in Preterm Infants  
Posner, Melissa
7. Screening lab work in infants ( $\geq$  35 weeks) exposed to chorioamnionitis: how useful are 12 hour CBC and CRP in identifying early onset sepsis?  
Vasconcellos, Mansi

## Medical Education (Concerto A, 3rd floor)

Moderator: Karen Carpenter

1. Improving Consultation Skills in Pediatric Residency  
Falck, Alison
2. Depression Among Resident Physicians and its Effect on Patient Care  
Flaishmakher, Sandra
3. Needs Assessment and Development of a Standardized Neonatal Intensive Care Unit (NICU) Handoff: NICU I-PASS Curriculum  
LaBadie, Alison
4. Preseason Pediatrics: An interactive preclinical curriculum enhances knowledge and skills in medical students  
Laitman, Benjamin
5. Self-Directed Interactive Education to Promote Neonatal Nurse Knowledge of Resuscitation and Post-Resuscitation Care  
McGovern, Jessica
6. Perceived Lack of Oral Health Training in Pediatric Residency Curricula Among Pediatric Residents  
Das, Prithwjit
7. Does Confidence Equal Competence? An Initiative to Improve Neonatal Resuscitation Skills During Pediatric Residency  
LoVerde, Bianca

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## Neonatal Neurology (Concerto B, 3rd floor)

Moderator: Johanna May Calo

1. Prenatal Doppler Ultrasound Predicts Impaired Cerebral Autoregulation in Preterm Neonates  
Polavarapu, Sruthi
2. Estrogen treatment restores deficit in Parvalbumin expressing interneurons in preterm newborns.  
Panda, Sanjeet
3. Effects of Hypoxia on the Biomechanical Properties of Brachial Plexus of the Newborn Piglet.  
Singh, Anita
4. Galantamine ameliorates hyperoxia-induced brain injury in neonatal mice  
Cohen, Naomi



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5. The Effects of Phenobarbital and Therapeutic Hypothermia on Seizures Following Unilateral Hypoxia-Ischemia in Term-Equivalent (P10) Neonatal Rat  
Natural, Alma
6. Therapeutic Hypothermia during Neonatal Transport: Comparison of Passive versus Active Cooling  
Lumba, Rishi
7. Effect of Tocolysis with Magnesium Sulfate on Fetoplacental Circulation and Cerebral Autoregulation in Preterm Neonates  
Polavarapu, Sruthi

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## Neonatal Resuscitation (Maestro A, 3rd floor)

Moderator: Ted Rosenkrantz

1. Assisted Ventilation Immediately after Birth with Self-Inflating Bag (SIB) versus T-Piece Resuscitator (TP) in Preterm Infants  
Khan, Mehbeen
2. Optimal Crystalloid Solution (Normal Saline vs. Lactated Ringers) for Post Resuscitation Neonatal Stabilization  
Thekkiam Muralidharan, Susheel Narain
3. Resuscitation with Delayed Cord Clamping in Asystolic Term Lambs  
Davidson, Lauren
4. Comparison of Electrocardiogram with Pulse oximeter in neonatal resuscitation using a novel method of application of ECG electrodes  
Gulati, Rashmi
5. Indications for Pediatrician Presence at Scheduled Term Cesarean Section Deliveries  
Kocherlakota, Prabhakar
6. Standardized Practice Plan Using ECG Leads to Reduction in Time to Heart Rate Acquisition in the Delivery Room in Infants Requiring Resuscitation  
Goenka, Sonal
7. Utility of Umbilical Arterial Cord Blood Gases in Term Scheduled Cesarean Deliveries and its Relationship with Apgar Scores and NICU admissions  
Swartz, Kyle

## Neonatal Potpourri (Maestro B, 4th floor)

Moderators: Heather Brumberg, Sorabh Verma

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1. A Prediction Model for Retinopathy of Prematurity: Primary Results from the Postnatal Growth and ROP (G-ROP) Study  
Binenbaum, Gil
  2. Pulse Oximetry Predictive Score (POPS) for adverse outcomes in very low birth weight infants  
Wallman-Stokes, Aaron
  3. Weight Gain Acceleration and Risk of Retinopathy of Prematurity  
Bal, Sila
  4. Dynamic ultrasound-guided lumbar puncture in the neonatal intensive care unit  
Stoller, Jason
  5. Renal Oxygenation is not Associated with Abnormal Creatinine Levels in Premature Infants  
Hess, Stephanie
  6. Effects of early noxious stimulation and early systemic infection on response to painful stimuli in infancy and adulthood in Long-Evans hooded rats.  
Gomes, Carly
  7. Efficacy and safety of Acetaminophen for treatment of patent ductus arteriosus: A single center experience  
Vaidya, Ruben

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## Pulmonary Biology (Minuet, 4th floor)

Moderator: Jeff Shenberger

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1. EFFECTS OF UNDIFFERENTIATED SOMATIC STEM CELLS (USSC) ON DIFFUSE ALVEOLAR HEMORRHAGE IN A PREMATURE RABBIT PUP MODEL  
Shah, Shetal
  2. Hyperoxia increases mitochondrial utilization of fatty acids in neonatal lung endothelial cells: implications for lung injury and repair  
Yao, Hongwei
  3. Transcriptional regulation of alveolar epithelial cell fate and plasticity during lung development  
Penkala, Ian

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4. Alveolar Epithelial Cell Fate in Neonatal Hyperoxic Lung Injury – A Role for CCN5 Protein?  
Nielsen, Heber
5. Characterization of Endothelial Nitric Oxide Synthase Gene Polymorphisms among ELBW Neonates with Bronchopulmonary Dysplasia and Pulmonary Arterial Hypertension  
Li, Roger
6. The Effects of Extracellular Superoxide Dismutase (EC-SOD) Overexpression on Cardiac Epigenetic Changes Induced by Chronic Hypoxic Stress.  
Rajgarhia, Ayan