FRIDAY, MARCH 24

Poster I (Ormandy Ballroom, 1st Floor)
Moderators: Sharon Smith, Mamta Fuloria
6:00 – 7:30pm

1. Relationship of histologic chorioamnionitis, clinical
cchorioamnionitis 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 (≥ 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
Kuruvilla, 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
der differentiation
Porter, George

13. Determinants of Sepsis Evaluation for Hypothermic
Infants in the Emergency Department
Vega, Carolina

14. Direct-to-Consumer Pediatric Teledermatology
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
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

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

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, Prithwijit

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, Analydita

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

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
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

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**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?
   Samara singhe, Rashmi

5. Marijuana-related Knowledge and Attitude among Adolescents in an Inner-City Community Hospital
   Obiejemba, Nneoma

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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
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
Bajwa, Geoffrey

6. Sequential Neuropathology Following EGFR Inhibition after Hypoxia-Ishemia and Reperfusion In Newborn Piglet Brain
Kratimenos, Panagiotis

7. Nicotine Promotes Breast Tumor Formation in Adolescent Rats
Evinger, Marian

Endocrinology/DM/Obesity
(Minuet B, 4th floor)
Moderator: Jeffrey Roizen

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.
Kahnaught, 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

GI/Metabolism (Concerto A, 3rd floor)
Moderator: Runa Watkins

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 Gastrochisis
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

Human Milk/GI I (Concerto B, 3rd floor)
Moderator: Jim Hagadorn

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

Underserved Vulnerable (Maestro A, 4th floor)
Moderator: Nirupama Laroia

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
   Das, Prithwijit

SANTA7, MARCH 25
Platform Scientific Abstracts II
9:45 – 11:15am

Allergy/Immunology
Rhapsody, 4th floor
Moderators: Hamid Bassiri, David Hill

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

General Pediatrics (Aria, 3rd floor)
Moderator: Adam Spanier

1. Resource Utilization among Children who underwent Tracheostomy before 1 Year of Age
   Lioy, 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
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

   Chang, Deidre

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

**Moderator: Rita Verma**

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

**Moderator: Jocelyn Leung**

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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**Infectious Disease—Neonatal/Basic Science** (Concerto A, 3rd floor)

**Moderator: Melanie Wellington**

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
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

Neurology/Brain Imaging
(Maestro, 4th floor)
Moderator: Lori Billinghurst

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

Plenary I (Overture, 3rd floor)
11:30 – 12:30pm

Lecture: Benard Dreyer, MD
*The High Cost of Poverty: How Pediatrics Can Ameliorate Its Effects on Child Health*

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

Eastern SPR Business Meeting
(Concerto A, 3rd floor)
12:40 – 1:40pm

Plenary II (Overture, 3rd floor)
1:45 – 4:15pm

Lecture: Mentor of the Year Award, Judy Aschner MD
*Aspire to Be the Mentor You Wish You Had*
(1:45–2:30pm)
Young Investigator Award—Faculty
(Overture, 3rd floor)
2:30 – 3:15pm

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

Young Investigator Award—Trainee
(Overture, 3rd floor)
3:30 – 4:15pm

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

General Pediatrics II
(Maestro A, 4th floor)
Moderator: Mark Cicero

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, Prithwijit

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
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

1. MicroRNA Expression in the Pathogenesis of Bronchopulmonary Dysplasia Oji-Mmuo, Christiana

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

Moderator: Folasade Kehinde

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...
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

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 Pouppirt, 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

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

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<td>Understanding Barriers to Literacy Promotion Among Primary Care Pediatricians</td>
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<td>What do neonatal fellows identify as critical in achieving competency in tracheal intubation?</td>
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<td>Improving Pediatric Acute Care Through Simulation</td>
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<td>Multidisciplinary Transport Simulation to Improve Teamwork and Communication Skills</td>
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<td>Improving Medical student education using SAGE system—A quality improvement initiative</td>
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<td>The Pediatrician’s Role in Oral Health Practice: Perceptions of Oral Health Promotion in Primary Pediatric Settings Among Pediatric Residents</td>
<td>Das, Prithwijk</td>
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<td>Utility of Brain Natriuretic Peptide as a Prognostic Marker in Preterm Infants with Severe Bronchopulmonary Dysplasia</td>
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<td>Maternal and Neonatal Risk Factors as Predictors of Cardiac Involvement in Infants of Diabetic Mothers (IDM)</td>
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<td>13.</td>
<td>Near-infrared spectroscopy evaluation of patent ductus arteriosus closure during first week of life in very low birth weight infants</td>
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<td>The Association Between Total Parenteral Nutrition Osmolarity Infused Through Non-Central Peripherally Inserted Central Catheters (PICCs) and Complications in NICU Newborns</td>
<td>Thomas, Tyler</td>
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<td>Pilot study to establish normal values for resting energy expenditure in healthy term newborns at one month of age</td>
<td>verma, sourabh</td>
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<td>Assessing Growth in NAS Infants</td>
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<td>Comparison of Growth, Metabolic Response and Feed Tolerance in Very Low Birth Weight Infants fed Bovine Protein-based Liquid Human Milk Fortifiers</td>
<td>Teper, Jordan</td>
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<td>18.</td>
<td>Effect of pre-eclampsia on neurodevelopmental outcomes in preterm infants</td>
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<td>19.</td>
<td>Two-year Outcomes of Children with Severe Chronic Lung Disease Referred to a Quarternary Hospital</td>
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ESPR Annual Meeting Sessions 2017

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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

Carola, David

37. Trends in prolonged use of antibiotics in neonates born to mothers with chorioamnionitis (CHORIO): A cross-sectional survey
Arapetyan, 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 StO2 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
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 (MgSO4) 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 Kaleecal

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

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**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
4. Practice variation in 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

   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

   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 ≥ 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

    Akinola, Modupeola
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.
   Schecter, 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 ≥ 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
   Kocheekkaran 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
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
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

**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 ≤ 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 (≥ 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


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, Prithwijit

7. Does Confidence Equal Competence? An Initiative to Improve Neonatal Resuscitation Skills During Pediatric Residency LoVerde, Bianca

**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
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

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

   Swartz, Kyle

Neonatal Potpourri (Maestro B, 4th floor)
Moderators: Heather Brumberg, Sorabh Verma

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

   Gomes, Carly

7. Efficacy and safety of Acetaminophen for treatment of patent ductus arteriosus: A single center experience
   Vaidya, Ruben

Pulmonary Biology (Minuet, 4th floor)
Moderator: Jeff Shenberger

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
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