Eastern SPR
Officers & Council

Chairperson, Planning Committee
Joseph Bliss, MD, PhD
Women & Infants Hospital of Rhode Island
Providence, RI
Email: jbliss@wihri.org
Phone: (401) 274-1100

Director of Sponsorship
Jeffrey Shenberger, MD
Baystate Medical Center
Springfield, MA
Email: jeffrey.shenberger@baystatehealth.org
Phone: (413) 794-0093

Planning Committee
Kirsten Bechtel, MD
Mark Cicero, MD
Shetal Shah, MD, FAAP

Nominations Committee
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Maria Fareri Children’s Hospital at Westchester Medical Center
Valhalla, NY
Email: heather_brumberg@nymc.edu
Phone: (914) 493-8491

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1993–1996 Alan R. Fleischman, MD
1991–1993 Marc Yudkoff, MD
1989–1991 Joseph B. Warshaw, MD
1988–1989 Laurence Finberg, MD

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Dear Colleagues,

Welcome to the 27th Annual Meeting of the Eastern Society for Pediatric Research (ESPR) and to our host city of Philadelphia, the Cradle of Liberty!

The Eastern Society for Pediatric Research Council and Planning Committee are confident that you will enjoy our exciting program. Highlights include State-of-the-Art Plenary Talks and the highly popular Fellow’s Clinical Case Presentation Competition. High-quality original research is presented in sub-specialty platform sessions with leading clinical and scientific authorities moderating the presentations and in four poster sessions.

The goals of the Eastern SPR Annual Meeting are to create a forum where: i) young investigators can present their research in a structured yet relaxed atmosphere, ii) regional clinicians can be exposed to cutting edge clinical and basic science, iii) timely educational programs addressing important topics in Pediatrics are presented and iv) trainees are able to interact with senior investigators and clinicians in an informal setting.

The continued success of our previous meetings has enabled an entirely web-based system for membership, registration and payments, in making timely announcements, in enhanced room booking services, and for the improvement in the overall ease of running the meeting. In addition, we again have centralized informatics enabling presenters to load their slide-show in advance at a speaker-ready station.

ACKNOWLEDGEMENTS: The organization of this meeting would not have been possible without the help of the administrative offices of the American Pediatric Society (APS) and the Society for Pediatric Research (SPR). We are especially grateful to: Kate Culliton (Interim Executive Director), Belinda Thomas, Carmen Beck and Lisa Thompson. We also recognize the energetic efforts of the Eastern SPR Planning Committee and Council Members for their guidance and vision in selecting this new venue and the efforts of Tulane University Health Sciences Center as our 2015 sponsor for the CME program. In addition, we thank various members of the regional pediatric community for reviewing the submitted abstracts and for moderating our platform sessions. Lastly, our corporate and leading academic sponsors were instrumental in making this meeting possible.

Most of all, we want to thank you for attending and for contributing your wisdom and experience in the pursuit of excellence. We hope that you enjoy and profit from the meeting, and look forward to your continued participation in future meetings!

Sponsorship Honor Roll

The ESPR would like to express appreciation to the following companies for their support:

**Corporate Sponsors**
Abbott Nutrition  
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Support our exhibitors by visiting their booths.

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**Academic Sponsors**
Baystate Children’s Hospital  
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Joseph Bliss, MD, PhD  
Chair, Planning Committee
RECOGNITION OF NEW MEMBERS

The Council of the Eastern Society for Pediatric Research would like to recognize the following new members who have joined the society within the last year.

Membership in the Society reflects not only peer recognition of research achievements in pediatrics, but continuing commitment to pediatric research and fostering the career development of the next generation of pediatric researchers. The Council and Society members welcome active participation in the organization. Like our parent organization, the Eastern SPR seeks to promote the generation of new knowledge, the professional growth of the current and next generation of academic pediatricians, and the translation of research discoveries into treatments that will benefit children worldwide. We believe that membership and active participation in the Eastern Society for Pediatric Research can meaningfully contribute to professional success as an academic pediatrician.

To celebrate this achievement, new members will be recognized at the Opening Reception on Friday, March 20, 2015. Once again, congratulations and welcome to the Eastern Society for Pediatric Research.

Naureen Memon, M.D., Rutgers Robert Wood Johnson Medical School
Cecilia Thompson, M.D., Icahn School of Medicine at Mount Sinai
Sheemon Zackai, M.D., Mount Sinai Medical Center

AAP CREDITS

This continuing medical education activity has been reviewed by the American Academy of Pediatrics and is acceptable for a maximum of 11 AAP credits. These credits can be applied toward the AAP CME/CPD Award available to Fellows and Candidate Members of the American Academy of Pediatrics.

Process for Attendees to Receive AAP Credit:

AAP Credit for attendees is recorded only when an attendee submits a copy of his/her certificate of attendance (pick up at the registration desk), with AAP ID number, to the American Academy of Pediatrics. The address to mail the certificate is:

American Academy of Pediatrics, Attn: Transcript Coordinator
141 Northwest Point Blvd., Elk Grove, IL 60007-1098
Fax: 847-434-8387
Thank you for your interest in covering pediatric topics offered at the annual meeting of the Eastern Society for Pediatric Research (ESPR). The annual meeting is a private meeting of the ESPR. The granting of media credentials for the meeting is at the sole discretion of the ESPR program committee.

Please note the following ESPR Press guidelines and media credentialing policies for the meeting.

**Press Badges**
Only individuals who are working for and representing a recognized news organization may register as press. To receive a press badge, working journalists must provide identification such as a business card, letter of assignment and published samples of bylined work, preferably stories relating to pediatric health. All freelance journalists must provide a letter of assignment on company letterhead from an editor of a recognized news organization certifying you are covering the ESPR annual meeting for the organization. Press badges are available only to working journalists who can show evidence that their attendance will result in coverage of the ESPR meeting. You may register at the ESPR Registration Desk at the Doubletree Hilton Philadelphia beginning Friday, March 20 at 4:00 pm.

Based on space requirements, ESPR retains the right to limit the number of press badges issued to a single media organization. ESPR does not issue press badges to: publishers or a publication’s advertising, marketing, public relations or sales representatives; publishers, editors or reporters from manufacturers’ house organs or promotional publications; public relations staff of exhibitors or educational institutions; or other individuals or their representatives who are not actually reporting on the meeting. Any Press badge holder, who sells, markets or represents a company or organization for the purpose of obtaining advertising or subscriptions from any meeting registrant or exhibitor immediately forfeits press credentials.

A press badge allows media to attend all ESPR sessions being held during the dates of March 20 – 22, 2015. It must be worn at all times and obtained before attending and session. A press badge is not to be shared.

Registration fees for working press are waived. ESPR considers working press to be editorial staff of newspapers or magazines, medical or health care publications and broadcast or Web-based media.

**Photography and Video**
Television crews, documentary film crews, video crews and photographers covering the meeting are required to check in immediately at the ESPR Registration Desk each day, and must be accompanied at all times by a ESPR Officer or staff member when shooting inside the hotel. Shooting schedules and on-camera interview requests must be provided in writing in advance to ensure staff availability. As a courtesy to presenters, television and video crews, photographers, and radio reporters must obtain permission from the speaker and moderator before recording or filming an interview. Media may not photograph or videotape an exhibit booth or other display without the permission of the exhibitor and ESPR. This includes use of camera phones, personal digital cameras and other handheld devices.

**Scientific Papers**
In order to help maintain their eligibility for peer-reviewed journal publication, some researchers may not want to make themselves available for media interviews. Journalists who want to use slides, graphs and other visuals to illustrate coverage must have the presenter’s permission.

ESPR appreciates your interest in child health issues. We hope that you have an instructive and enjoyable time at our meeting and encourage you to join us at future meetings. Please let us know if we can help you in any way.
Meeting Services & CME Accreditation

Registration and CME Desk Hours
Registration will be held on the 3rd floor. Registration hours are as follows:

- Friday, March 20: 4:00pm – 7:30pm
- Saturday, March 21: 6:00am – 7:30pm
- Sunday, March 22: 6:30am – 12:00pm

Abstract Publication
All abstracts being presented at the 2015 Eastern SPR Annual Meeting are viewable on the ESPR homepage.

Audio/Visual Information
All oral presentations must be made using PowerPoint. Computers and LCD projectors will be provided. Presenters that have submitted their presentations in advance, are still required to check in at Speaker Ready.

Speaker Ready (Chamber Board Room-4th floor)
Presentations will be loaded onto a central computer prior to the session in which the presentation is to be made (i.e., Friday evening for Saturday morning presentations, Saturday morning for Saturday afternoon presentations, and Saturday afternoon for Sunday morning presentations). Please also bring your CD-ROM, ZIP drive or flash memory.

The speaker ready room hours are as follows:
- Friday, March 20: 4:00pm – 7:30pm
- Saturday, March 21: 7:00am – 7:30pm
- Sunday, March 22: 7:30am – 12:00pm

Overview
Research and technology are changing rapidly in medicine and it is important for physicians and healthcare professionals to critically evaluate the emerging developments. Physicians and healthcare professionals in pediatrics need to increase their competence in discerning which of the emerging research and technologies are applicable to their patient populations. Discussions and debates on these emerging data stimulate the development of new guidelines, appropriateness criteria and evidence-based changes in medical practice.

The ESPR annual meeting provides a forum for young investigators to share their translational and clinical research with mentors and senior investigators. This gives the junior investigators important feedback in a non-threatening environment, provides for critiques and opportunities to improve the presentation before presenting on a national stage, and fosters mentoring from senior investigators.

The senior investigators benefit from this educational format by engaging in discussions on how to translate the research into practice, debates on how the new information supports or discredits the “old” information, and assists in the design of possible new research options and extensions.

Statement of Need
The Eastern Society for Pediatric Research Annual Meeting addresses a three-fold need:

1. Young investigators need to increase their competence and performance in presenting their research in a structured yet relaxed atmosphere.
2. Regional clinicians need to increase their competence in evaluating and designing strategies to incorporate cutting edge clinical and basic science into practice.
3. Trainees need to increase their competence and performance in establishing collaborative relationships with mentors to address the barriers which may be interfering with research development.

Target Audience
This course is designed for physicians, nurses, and allied health professionals in pediatrics, both in training and in practice.

Goal
The overall goal of this meeting is to improve patient care by increasing learner competence in evaluating the emerging translational and clinical research in pediatrics and determining parameters for expansion and modification of promising research developments.

Learner Objectives: At the conclusion of this activity, participants should be better able to:

- Critically evaluate the emerging translational and clinical research.
- Discuss new developments in pathophysiology of human disease with colleagues.
- Identify new areas of investigation which will inform research and improve patient care.

• Develop optimal strategies for clinical investigation and transmission of clinical research results.
• Develop relationships with mentors and peers to address the barriers which interfere with research development.

Predicted Outcomes
Predicted Changes in Practice as a result of participating in this activity may include the ability to:

- Determine whether appropriate changes need to be recommended in patient protocols as indicated in the emerging research data.
- Implement new tools for teaching, research and medical practice.
- Apply appropriate evidence based recommendations in my research, teaching and/or medical practice.
- Present research in a national forum.
- Establish collaborations to expand or address barriers which are identified.

Accreditation:
This activity has been planned and implemented in accordance with the accreditation requirements policies and procedures of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Tulane University Health Sciences Center and the Eastern Society for Pediatric Research. Tulane University Health Sciences Center is accredited by the ACCME to provide continuing medical education for physicians.

Designation
Tulane University Health Sciences Center designates this live activity for a maximum of 11 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Tulane University Health Sciences Center and the Eastern Society of Pediatric Research presents this activity for educational purposes only and does not endorse any product, content of presentation or exhibit. Participants are expected to use their own expertise and judgment while engaged in the practice of medicine. The content of the presentations is provided solely by presenters, who have been selected based on their recognized expertise.

Tulane Disclosure Policy
It is the policy of the Center for Continuing Education at Tulane University Health Sciences Center to plan and implement all of its educational activities in accordance with the ACCME’s Essential Areas and Policies to ensure balance, independence, objectivity and scientific rigor. In accordance with the ACCME’s Standards for Commercial Support, everyone who is in a position to control the content of an educational activity certified for AMA PRA Category 1 Credit™ is required to disclose all financial relationships with any commercial interests within the past 12 months that creates a real or apparent conflict of interest. Individuals who do not disclose are disqualified from participating in a CME activity. Individuals with potential for influence or control of CME content include planners and planning committee members, authors, teachers, educational activity directors, educational partners, and others who participate, e.g. facilitators and moderators. This disclosure pertains to relationships with pharmaceutical companies, biomedical device manufacturers or other corporations whose products or services are related to the subject matter of the presentation topic. Any real or apparent conflicts of interest related to the content of the presentations must be resolved prior to the educational activity. Disclosure of off-label, experimental or investigational use of drugs or devices must also be made known to the audience.

Tulane University Health Sciences Center and the Pediatric Academic Societies have made every effort to present the program schedule as accurately as possible from information available at the time of printing. We reserve the right to make changes and adjust the number of credits if necessary.

How To Obtain Your AMA PRA Category 1 Credits™
Tulane and the Eastern Society for Pediatric Research use a secure electronic format for evaluation and credit verification. The evaluation remains anonymous but the link does allow you to give us your contact information which will be incorporated into the Certificate of Credit.

At the conclusion of the conference on Sunday, you will be sent a link to an electronic evaluation and credit verification form from cme@Tulane.edu. If you do not receive this in your inbox on Sunday afternoon, check your spam/junk mailbox. You can contact cme@tulane.edu if you did not receive it and Tulane will send you another link for claiming your credits.

You will receive your certificate of credit by Thursday, May 1, 2015. If you do not receive it by then, please notify Tulane University at cme@tulane.edu.
# Eastern SPR Schedule-at-a Glance

## Friday, March 20

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<td>6:00pm–7:30pm</td>
<td>Poster Session I</td>
<td>Symphony Ballroom - 3rd Floor</td>
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<td>Opening Reception</td>
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## Saturday, March 21

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<td>Symphony Ballroom - 3rd Floor —</td>
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<td>Poster Session II</td>
<td>Symphony Ballroom - 3rd Floor —</td>
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## Sunday, March 22

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<td>Continental Breakfast</td>
<td>Symphony Ballroom - 3rd Floor —</td>
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## Eastern SPR Business Meeting
- Location: Symphony Ballroom - 3rd Floor —
Friday, March 21

Abstracts can be viewed at:
Friday: https://www.aps-spr.org/regions/ESPR/abstracts/friday.pdf
Saturday: https://www.aps-spr.org/regions/ESPR/abstracts/saturday.pdf

Friday, March 20, 2015
Poster Session I
Adolescent Medicine / Allergy / Cardiology
Critical Care / Development/Behavioral Pediatrics / Neonatal Neurology / Neonatology

6:00pm-7:30pm Symphony

1 Evolution of a Long-Acting Reversible Contraceptive (LARC) Service for Adolescents in an Academic Children’s Hospital
   Amanda M. Jacobs, Sofia Maslyanskaya, Susan M. Coupey. – Abstract 1

2 Leveraging Adolescent Resources for Contraceptive Access in Pediatric Care Settings
   Uche Onyewuchi, Kathy Tomaszewski, Priya S. Gupta, Natalie Whaley, Anne Burke Burke, Krishna Upadhya, Maria E. Trent. – Abstract 2

3 Risk Factors for Physical and Sexual Dating Violence Among Teens
   Alexis E. Tchaconas, Sujit Vettam, Majnu John, Andrew Adesman. – Abstract 3

4 Integrating a Youth Development Program in a School Based Health Center: Impact on High Risk Behaviors and Academic Outcomes
   Tosan Ouwariye, Susanne Harnett, Estelle Raboni, Verona Greenland, Alida Quinones-Reyes. – Abstract 4

5 In Their Own Words: Adolescent Male Perspectives on Health Care
   Justin Kopa, Sarah Overholt, Alejandro Luciano, Jenna Scholnick, Neal Hoffman. – Abstract 5

6 Pregnancy, Contraceptive Use and Sexually Transmitted Infections in Adolescent Females with Polycystic Ovary Syndrome
   Sharyn N. Malcolm, Lisa Tuchman, Emma Reese, Veronica Gomez-Lobo. – Abstract 6

7 Health Care Resource Utilization and Costs of Allergic Asthma Vs. Non-Allergic Asthma in Adolescent Patients Within the US
   Tom S. Karagiannis, Susan Gabriel, Yufeng Li, Huanxue Zhou, Vivian Herrera, Patricia A. Russo, Howard S. Friedman. – Abstract 7

8 Over-The-Counter Testosterone Boosters and Underage Teens: Easy Access and Misinformation Provided By National Retailers
   Maguire Herriman, Laura Fletcher, Andrew Adesman, Ruth Milanaik. – Abstract 8

9 The Association between Serum Micronutrient Levels and Sleep Quality in Adolescents
   Xiaopeng Ji, Jianghong Liu. – Abstract 9

10 How Long Is This Going To Take, Doc? Impact of Wait Time & Length of Stay on Patient Satisfaction and Medication Adherence for Adolescents with Pelvic Inflammatory Disease

11 Association Between Clinical Shrimp Allergy and Sensitivity To Cockroach and Dust Mite
    Juliana M. Vera, Alyson Smith, Uri Belkind, David Rubin, Paulo Pina. – Abstract 11

12 Clinical Characteristics of Adolescent Patients with Refractory Chronic Idiopathic/Spontaneous Urticaria (CIU/CSU) in Three Phase III Studies with Omalizumab
    Stanley Goldstein, David Skoner, Farid Kianifar, Julie Vu, Meryl Mendelson. – Abstract 12

13 Relationship Between Food Allergy and Depression Among Adolescents in an Urban Community
    Noelle J. Edwards, Patricia Burris-Warmoth, Partha Chatterjee, Vinod Dhir, Susanna Rapaport, Won Baik-Han. – Abstract 13

14 Effect of Durations of Deep Hypothermic Circulatory Arrest (DHCA) and Cardiopulmonary Bypass (CPB) on Brain Oxygenation and Outcome in Neonates with Congenital Heart Disease (CHD) Undergoing Cardiac Surgery
   Safwat A. Aly, David Zurakowski, Penny Glass, Kabi M. Skurow-Todd, Richard A. Jonas, Mary T. Donofrio. – Abstract 14

15 The Evaluation and Management of Chest Pain in the Pediatric Population in a Community Hospital Emergency Department
   Ahmed Aly, Mohamed Khalifa, Rajesh U. Shenoy. – Abstract 15

16 Closure of the Mitochondrial Permeability Transition Pore (Mptp) in the Neonatal Mouse Heart and Its Effects on Mitochondrial Structure and Function and Cardiac Myocyte Differentiation
   Jayson V. Lingan, George A. Porter. – Abstract 16

17 Low Birth Weight (<2Kg) Neonates with Congenital Heart Disease: Surgical Outcomes from a Dedicated Neonatal Cardiac Program
   Victoria L. Blanch, Jennifer M. Duchon, Brett R. Anderson, Emile Bacha, Ganga Krishnamurthy. – Abstract 17

18 Changes in Photoplethysmographic Signal Characteristics After Surgical Repair of Neonatal Aortic Coarctation
   Lynn C. Palmeri, Cynthia Amirtharaj, Gideon Gradwohl, Neel Nitzan, Yehuda Shapir, Robert Koppel. – Abstract 18

19 Left Ventricular Myocardial Performance Index (LVMPI) Differences in Pediatric Sickle Cell Disease Patients with Pulmonary Hypertension Treated with and without Chronic Transfusion Therapy
   Amanda Cai, Courtney Wein, Amir Jazayeri, Lauren Comegys, Bruce Bernstein, Deepti Raybagkar, Shuping Ge. – Abstract 19

20 Etiologies of Recurrent Pericarditis in the Pediatric Population: A Systematic Review
   Amanda Cai, Michael DelVecchio, Stephen Aronoff. – Abstract 20

21 The Effect of Statin Therapy in Children with Elevated Liver Transaminases
   Matthew M. Demczko, Samuel S. Gidding. – Abstract 21

22 Retrospective Review of Limitations of Care for Inpatients at a Free Standing, Tertiary Care Children's Hospital
   Christopher J. Plymire, Elissa G. Miller, Glenn Stryjewski, Meg Frizzola. – Abstract 22

23 The Value of Walk Rounds for Improving Safety of Tracheostomy Care in Infants
   Janet Lioy, Edward J. Hopkins, Joanne Stow, John Chuo. – Abstract 23

24 Improving Perioperative Communication During Airway Surgery in the Neonate
   Janet Lioy, Hitesh Deshmukh. – Abstract 24

25 Effect of Pre-Hospital Treatment Times on Clinical Outcomes in Pediatric Trauma Patients
   Emilia Connolly, Tim Niiler, Sean Elwell, Richard Kruse, Alfred Atanda Jr. – Abstract 25

26 Acute Kidney Injury in Children with Acute Respiratory Failure
   Sindy Villacres, Shivanand Medar, Scott Aydin. – Abstract 26
Saturday, March 21, 2015

Poster Session II
Endocrinology / Epidemiology
Medical Education / Nephrology / Neonatology
7:00am-8:00am

1. Elevated Turnover of Adrenal TH mRNA in an Animal Model of Hypoglycemia Associated Autonomic Failure
   Necla Kudrick, Edmund F. La Gamma, Bistra Nankova. – Abstract 72

2. Congenital Hyperinsulinism Caused by Heterozygous Uncoupling Protein 2 (UCP2) Mutations
   Christine T. Ferrara, Kara E. Boodhansingh, Elena Paradies, Aruna Ganguly, Fierronte Giuseppe, Ferdinando Palmieri, Charles A. Stanley. – Abstract 73

3. Comparative Response To Growth Hormone Therapy in Growth-Hormone-Naïve Patients Based on Diagnosis in the ANSWER Program
   Robert Rapaport, Paul Saenger, Peter A. Lee, Judith L. Ross, Ricardo V. Maamari, Thomas Henschel, John A. Germak. – Abstract 437

4. Maternal Obesity Alters Trophectoderm Development
   Tami Stuart, Isaac Sasson, Kathleen O’Neill, Rebecca Simmons. – Abstract 75

5. Relationship between Growth Hormone Axis and Pituitary Microadenomas
   Kristina Derrick, Robert Gensure, William Gomes. – Abstract 76

WITHDRAWN

6. Ability of Non-invasive Measurements of Cardiometabolic Health in Predicting Racial Differences in the Metabolic Unhealthy Obese Phenotype
   Jason Klein, Patricia Vguein, Christine B. Sethna, Ronald Feinstein. – Abstract 80

7. Which Anthropometric Measurements Are the Best Predictors of Metabolic Syndrome in the Pediatric Population?
   Daniela E. Purice, Adriana E. Grosiman-Perelestein, Pamela M. Diamantis, Uri Belkind, Paulo Pina, David H. Rubin. – Abstract 79

8. Assessment of IGF-1 Z-Scores in Pre-Pubertal Patients Treated for Growth Hormone Deficiency
   Megan Oberle, Shana McCormack, Adda Grigeme, Vaneca Bamba. – Abstract 78

9. Two Novel Missense Mutations in NPR2 Result in Acromicsomelic Dysplasia Maroteaux Type or Impaired Growth: A Family Study with Evidence for an Allelic Dose Effect
   Patrick C. Hanley, Michael A. Levine. – Abstract 81

10. Recurrent Pancreatitis in Association with Diabetic Ketoacidosis (DKA)
    Victor S. Harrison, David Langdon. – Abstract 82

11. New Onset of Asymptomatic Papilledema in Two Growth Hormone Deficient Patients Treated With Recombinant Growth Hormone
    Lauren A. Kanner, Jason Klein, Howard Pomeranz, Majida Gaffar, Graeme Frank. – Abstract 83

12. Experience With an Interdisciplinary Team To Manage Disorders of Sex Development
    Jennifer S. Sarhis, Phyllis W. Speiser, Heather L. Appelbaum, YeouChing Hsu. – Abstract 84

13. Timing of Positive Celiac Disease Serology in Subjects with Type 1 Diabetes Mellitus
    Jessica Kremen, Lisa Swartz Topor, Charlotte M. Boney, Jose Bernardo Q. Quinton. – Abstract 85

14. Antenatal Steroids Modulate Catecholamine Release in Mouse Pheochromocytoma Cells
    Priyadarshani Giri, Hazel Villanueva, Marian Evinger. – Abstract 61

15. Profile & Trend of Invasive Fungal Infections(IFI) in a Level III NICU over the Last Two Decades
    Akosua Agyepong, Purneet Arora, Privam Pattnaik, Babina Navak, Sunil Krishna, Kim M. Roger. – Abstract 62

16. Relationship Between Age of Red Blood Cell (RBC) Units and Respiratory (RESP) and Gastro-Intestinal (GI) Morbidity
    Rachid Bendiab, Sujit Sheth, Melissa Cushing, Jeffrey M. Perlman. – Abstract 63

17. Initial Continuous Positive Airway Pressure in Very Low Birth Weight Infants: Predictors for Failure and Missed Opportunity for Surfactant Therapy
    Elizabeth A. O’Donnell, Michael Kornhauser, Kevin Dvsaert, Djay S. Greenfield, Zuhair H. Aghai. – Abstract 64

18. Continuous Positive Airway Pressure Versus Mechanical Ventilation on the First Day of Life in Very Low Birth Weight (VLBW) Infants
    Dustin D. Flannery, Elizabeth A. O’Donnell, Mike Kornhauser, Kevin Dvsaert, Djay S. Greenfield, Zuhair H. Aghai. – Abstract 65

19. Measurement of Four Limb Blood Pressures at Birth and Postnatal Diagnosis of Aortic Arch Anomalies
    Niki Bhatkar, Karthik Kumar, Satyan Lakshminrusimha. – Abstract 66

    Jennifer A. McGuigle, Deborah Campbell. – Abstract 67

21. Risk Factors for Tracheostomy in Extremely Low Birth Weight (ELBW) Infants
    Orly L. Levi, Veronika Shabanova, Matthew J. Bizzarro, Vaneeta Bamba. – Abstract 68

22. Precision and Accuracy of the New Transonic ELSA Monitor To Quantify Oxygenator Blood Volume (In-Vivo and In-Vitro Studies)
    Mariam M. Said, Gerald T. Mikesell, Oswaldo Rivera, Khodayar Rais-Bahrami. – Abstract 69

23. How Do Parents Predict Quality of Life in Neonatology?
    Andrea Gorgos, Shuvo Ghosh, Patricia Riley, Antoine Pavot. – Abstract 70
Cerebral and Renal Perfusion Trends Over Time in Premature Neonates
Suma Hoffman, Larry S. Magder, Rose M. Viscardi. – Abstract 117

Impact of Maternal Factors on Circulating Cord/ Peripheral Blood Cytokines and Stem Cells (SC) in Preterm Infants (PT)

Delayed Cord Clamping at Birth Improves Motor Scores at 18 To 22 months Corrected Age: A Randomized Controlled Trial

Short-Course, Low- Dose Postnatal Betamethasone in ELBW babies: A Pilot Study Power Analysis
Sanjeev K. Panda, Yuanvi Li, Vanessa V. Mercado, Edmund F. L. Gamma. – Abstract 120

Impact of Indomethacin Prophylaxis on Clinical NICU Outcomes in ELBW Preterm Infants
Sean M. Bailey, Elaine Carelus, Rebecca Zarchin, Pradeep V. Mally. – Abstract 121

Effect of Hypothermia on Na+, K’ ATPase Enzyme Activity in Newborn Piglet Brain Following Hypoxia
Jerena Balum, Shadi Maleah, Panagiotis Kratimenos, Maria Delivoria-Papadopoulou. – Abstract 122

Does Post-Pyloric Feeding Improve Respiratory Outcomes in Preterm Infants with Respiratory Failure?
Swati Murthy, Zubair Aghai. – Abstract 123

Efficacy of Surfactant in Hypoxic Respiratory Failure in Late Preterm and Term Neonates
Vikramaditya Dumpsa, Indrapiyadarshini Avulakunta, Satyan Lakshminrusimha. – Abstract 124

Delivery Room Prophylactic Surfactant (PS) at 27-28 Weeks: Is It Necessary?
Zoe O. VanOrden, Meredith L. Monaco-Brown. – Abstract 125

Essential Care for Small Babies (ECSB) Improves Knowledge, Performance, and Confidence in Caring for Small Babies
Sari Berkelhamer, Carl Bose, Sherri Bacher, Marsha Campbell-Yeo, Douglas McMillan, Susan Niermeyer, Nalini Singhal. – Abstract 126

Dysregulated Endothelin Signaling Persists After Neonatal Hyperoxia and Is ROS-Dependent
Sara K. Berkelhamer, Kathryn N. Farrow, Paul T. Schumacke. – Abstract 127

Delivery After MidNight Is Associated with Increased Risk-Adjusted Odds of Severe IVH in VLBWs
E. A. Jensen, S. A. Lorch. – Abstract 128

Effect of Electronic Medical Record Implementation on Medication Errors in a Tertiary Care NICU
Kabir M. Abubakar, Anthonia Umeh, Jeanne Rorke. – Abstract 129

Outcome of Room Air Resuscitation in Very Low Birthweight Infants
Maheswari Arumugam, Mujahid Anwar, Shakuntala Chandra. – Abstract 130

Frequent Training Is a Key Element To Maintaining Neonatal Resuscitation Skills
Heideh H. Matterson, Demian Szyld, Brad R. Green, Heather Howell, Martin V. Pusic, Pradeep V. Mally, Sean M. Bailey. – Abstract 131
Adolescent Medicine

8:00am-9:30am Rhapsody
Moderators: Danielle Laraque

8:00am The Impact of State Laws Regarding Contraception Access and Use by Teen-Age Girls in the United States
Amanda Bader, Sujit Vettam, Andrew Adesman.

8:15am Prevalence of Male SexualVictimization and Association with Adverse Health Outcomes
Maria F. Ramirez-Tovar, Janine Clark-Adjo, Paulo Pina, David Rubin.

8:30am Assent in Pediatric Clinical Trials: An International Children’s Advisory Network (iCAN) Survey
Charles Thompson, Sharon Smith, Philip Siostedt, Donald Lombardi.

9:00am Gender Differences in Risk of Weapon-Carrying By Adolescents Who Are Victims of Bullying
Tammyn Pham, Majnu John, Lana Schapiro, Andrew Adesman.

9:15am Relative Risks of Depression and Suicidal Tendency Among Victims of School- and Electronic-Bullying With Co-Risk Factors
Tammyn Pham, Sujit Vettam, Majnu John, Andrew Adesman.

Emergency Medicine-Lung/Trauma

8:00am-9:30am Aria A
Moderators: Ruth Abaya and Kirsten Bechtel

8:00am Accuracy of Point-of-Care Lung Ultrasound for Diagnosis of Acute Chest Syndrome in Pediatric Patients with Sickle Cell Disease and Fever

8:15am The Practice of Obtaining a Chest X-ray in Pediatric Patients Presenting With Their First Episode of Wheezing in the Emergency Department: A Survey of Attending Physicians
Nishit Patel, Ameer Hassoun, Jennifer Chao.

8:30am What Is “Asthmonia”?
Anna Weingarten, Christine H. Mulvey, Sharon R. Smith.

8:45am A Comparison of Analgesic Administration Between Pediatric and Adult Trauma Patients Presenting to an Emergency Department in Central Pennsylvania
Bai Yi Ted Chen, Alina Schmidt, Nisha Harilhan, Robert Olympia.

9:00am The Impact of a Displayed Checklist on Pediatric Trauma Resuscitations
Erin Hulfish, Glenn Stryjewski, Maria Carmen G. Diaz, Heather Sobolewski, Heather Kulp, Megan Feick, Emily Murphy.

9:15am Patients at High Risk for Intervention for Pediatric Traumatic Liver Injury
Katie A. Donnelly, Karen O’Connell.

Infectious Disease I

8:00am-9:30am Minuet
Moderators: Melanie Wellington

8:00am A Rabbit Model To Study the Pathogenesis of Pediatric Central Nervous System Tuberculosis
Elizabeth W. Tucker, Supriva Pokkali, Zhi Zhang, Elizabeth Nance, Courtney Robertson, Sanjay Jain, Sujatha Kannan.

8:15am Inter-alpha Inhibitor Protein Is Superior To C-reactive Protein as a Biomarker To Differentiate Necrotizing Enterocolitis from Spontaneous Intestinal Perforation
Briu A. Shah, Paula Krueger, Yow-Pin Lim, Surendra Sharma, James Padbury.

8:30am Escherichia coli Inhibition by Commensal Bacteria of the Female Genital Tract
Christopher G. Manschreck, Betsy C. Herold.

8:45am The Effects of Neuropeptide Substance P and NK1R Antagonist on Program Death Receptor-1 Expression in CD4+ T-cells
Caleb Seufert, Serguei Spitsin, Florin Tuluc, Angela Winters, Steven D. Padbury.

9:00am Trends in Antimicrobial Susceptibility of E. Coli Causing Community Onset UTI in Children
Jonathan M. Beus, Carter L. Cowden, Kaede V. Sullivan, Daniele Dona, Jeffrey S. Gerber.

9:15am TLR-7/8 Agonists and Bacille Calmette Guerin (BCG) Activate Robust Cytokine Production in Preterm Cord Blood

9:30am Evaluating the Impact of IT Tools To Support the Asthma Medical Home

9:45am Factors Associated With Duration of Hospitalization in Children With Non-Severe, Acute Bronchiolitis
Jamie M. Pinto, Janet L. Schairer, Anna Petrova.

9:00am A Pilot Randomized Trial of a Video Decision Aid To Facilitate Early Intervention Referrals
Manuel Jimenez, Nathalie DuRivage, Andrew Suh, Orvzia Bezpalko, Nathan Blum, Alexander Fiks.

9:15am The Feasibility of a Positive Parenting Text Message Program in an Inner-City Pediatric Clinic
Stacy Ellen, Falguni Patel, Bruce Bernstein, Maria McColgan, Lee Pachter.
Saturday, March 21, 2015

Neonatal Neurology I

8:00am-9:30am Concerto AB
Moderators: Maria Delivoria-Papadopoulos

8:00am Pilot Translational Study: Utility of Neuroantibody (NAb) Biomarkers in Hypoxic-Ischemic Encephalopathy (HIE)
Meredith L. Monaco-Brown, Dana Price, Michael J. Horgan, Hassan A. El-Fawal.
– Abstract 167

8:15am Recurrent Hypoglycemia Affects the Post-Transcriptional Regulation of the Adrenal Tyrosine Hydroxylase (TH) Gene
Juhye Lena Kim, Neela Kudrick, Edmund F. La Gamma, Bistra Nankova.
– Abstract 168

8:30am Serum Biomarkers of Neuronal Injury in Newborns Who Where Evaluated for Hypoxic Ischemic Encephalopathy But Did Not Qualify for Head Cooling, Compared To Normal Newborns: A Pilot Study
Uday Patil, Pradeep Mally, Elena Wachtel.
– Abstract 169

8:45am Effects of Hypoxic-Preconditioning on AIF-Mediated Apoptotic Pathway in Hypoxic-Ischemic Piglet Model
Kashish Mehra, Tahlar McIntosh, Maria Delivoria-Papadopoulos, Jahan Aram.
– Abstract 170

9:00am Effect of Hypoxic-Preconditioning on AIF Mitochondrial-Nuclear Translocation in Newborn Piglet Brain
Sharina Rajbandari, Tahlar McIntosh, Geoffrey Bajwa, Maria Delivoria-Papadopoulos, Jahan Aram.
– Abstract 171

9:15am Effect of Hypoxia on Second Mitochondria-derived Activator of Caspase (Smac) Protein in the Cytosolic Fraction of the Cerebral Cortex of Newborn Piglets
Emmanuelle Topiol, Patagiotis Kratimenos, Amrit Jain, Shadi Malaeb, Maria Delivoria-Papadopoulos.
– Abstract 172

Neonatology - Breast Milk

8:00am-9:30am Overture
Moderators: Heather Brumberg

8:00am Effects of Donor Breast Milk Feedings on Growth and Early Neurodevelopmental Outcomes in Preterm Infants
Laura Madore, Tina Jumani, Allison Dengos, Sarbatamma Sen.
– Abstract 173

8:15am Do VLBW Infants on an Exclusive Fortified Human Milk Diet Achieve Adequate Growth?
Christine Ennis, Deborah Tuttle, Haritha Vellanki, Amy Mackley, Robert Locke.
– Abstract 174

8:30am Optimal Timing and Sex Specific Responses To Olfaactory Stimulation with Mother’s Own Milk To Decrease the Time To Full Oral Feeds in Premature Infants
Jessica Davidson, Jooyeon S. Hwang, Mallory Kosow, Jill L. Maron.
– Abstract 175

8:45am Optimizing Fat Delivery Methods in Continuous Enteral Feeding of Expressed Breast Milk To Neonates
Khaled M. Abdelrahman, Amy B. Hair, Keli M. Hawthorne, Steven A. Abrams.
– Abstract 176

9:00am Maternal Dietary Quality Affects Breast Milk Composition
Annie Penfield-Cyr, Patoula G. Papasoz, Nittin Shivappa, Michael D. Wirth, James R. Hebert, Sarbatamma Sen.
– Abstract 177

9:15am Increased Bilirubin Readmissions Associated With Changes in Breast Feeding Rate
Daniel Rudfer, Smitha Mathew, Alena Connelly, Kalgi Mody, Warren Rosenfeld.
– Abstract 178

Pulmonology

8:00am Genetic Variation of Interleukin13 Gene Is Associated with Bronchopulmonary Dysplasia in Extremely Low Birth Weight Infants
Umesh Paudel, Alex Feldman, Usama Younis, Lynnette H. Kim, Lance A. Parton.
– Abstract 179

8:15am Heme Oxygenase (HO)-1 Regulates Mitochondrial Function Leading To Iron Accumulation
Anna V. Hoplanazian, Ping La, Phyllis A. Denney.
– Abstract 180

8:30am Premature Children Have Dysfunctional Airway Cytokine Responses To Rhinovirus and Respiratory Syncytial Virus
Gustavo Nino, Krishna Pancham, Shehlanoor Huseni, Groovanny Perez.
– Abstract 181

8:45am Apnea Management in the Outpatient Setting: Is There a Role for Polysomnograms
Serena Haver, Annelise Chaparro, Caitlin E. Raimondi, Stefanie Griglak, Lawrence M. Rhein.
– Abstract 182

9:00am High Dose of Vitamin D Decreases Lung Alveolarization in a Rat Model of LPS and Hyperoxia-Induced Lung Injury
– Abstract 183

9:15am Caffeine Modulates Hyperoxia Induced Angiogenesis in Newborn Mice
Vikramaditya Dumpa, Huamei Wang, Lori Nielsen, Vasanth H.S. Kumar.
– Abstract 184

9:30am Break

Child Abuse and Neglect

9:45am-11:15am Minuet
Moderators: Gunjan Kamdar

9:45am Factors Associated with Discharge from the Emergency Department Following Diagnosis of Physical Abuse in Young Children
M. Katherine Henry, Joanne N. Wood, Kristina B. Metzger, Konny H. Kim, Chris Feudtner, Mark R. Zonfrillo.
– Abstract 185

10:00am County-Level Poverty and Child Abuse Fatality Rates in the United States
– Abstract 186

10:15am Characteristics of Long Bone Fractures in Children with Medical Conditions Associated with Osteopenia
Kristine Fortin, Gina Bertocci, Jennifer Nicholas, Soyang Kwon, Mary Clyde Pierce.
– Abstract 187

10:30am Development of a Checklist To Evaluate EMS Providers’ Ability To Detect Child Abuse
Aimee Alphonso, Gunjan Tiyyagura, Kyle Bilodeau, Marc Auerbach, Kirsten Bechtel.
– Abstract 188

10:45am Understanding EMS Providers’ Experiences with Child Abuse and Neglect (CAN)
Gunjan Tiyyagura, Marcie Gaweal, Jeannette Koziel, Aimee Alphonso, Kyle Bilodeau, Kirsten Bechtel.
– Abstract 189

11:00am A National Survey of Practice Patterns in the Management of Children with Normal Neurological Exam Being Evaluated for Child Abuse
Huma Shaikh, Brian Wrotniak, Paula Mazur.
– Abstract 190
9:45am Delirium in Critically Ill Children
Abigail G. Kerson, Chani Traube. – Abstract 191

9:45am Bringing Care Closer To Home: A Cluster Randomized Trial of
Moderators: Gary Emmett

9:45am The Effect of Team Care Plan Meetings on Resident Education
Regarding Fluid Administration in Sick Children
Kavita Morpia, Julie Berg, Sonali Basu. – Abstract 192

9:45am Evaluation and Optimization of Resident Perceptions in
Pediatric Residents’ Competency and Comfort for Decisions
Janet Lioy, Hitesh Deshmukh, Leane Soorikian. – Abstract 193

9:45am Effect of Hypoxia on Long-Term EGFR Activation Following
Src Kinase Inhibition in the Cerebral Cortex of Newborn Piglet
Julie L. Leviter, Marc Auerbach, Candace N. Mannarino, Sweta Bhargava,
Anup Agarwal. – Abstract 194

9:45am Successful Elements for Creating a Neonatal Airway
Emergency Response Team At a Major Referral Children’s Hospital
Janet Lioy, Hitesh Deshmukh, Leane Soorikian. – Abstract 195

9:45am Is a Haptic-Based Simulation Interface More Effective Than
Computer Mouse-Based Interface for Neonatal Intubation Skills-Training?
Julie L. Leviter, Marc Auerbach, Candace N. Mannarino, Sweta Bhargava,
Anup Agarwal. – Abstract 196

9:45am Resident Documentation of Social Determinants of Health:
Effects of a Teaching Tool
Miliani Patel, Jenna Scholnick, Tanya White-Davis, Eleanor Bathory,
Sandra Braganza. – Abstract 197

9:45am Human Sex Trafficking Education in Healthcare: Evidence for
a Novel Free Online Curriculum
Kanani E. Titchen, Suzanne L. Harrison, Jessica DeLeon, Holly G.
Atkinson. – Abstract 198

9:45am Evaluation and Optimization of Resident Perceptions in
Screening for Postpartum Depression
Emmanuelle S. Topiol, Shareen Kelly, Bruce Bernstein, Jodi Schaffer,
Jeremiah Goldstein. – Abstract 199

9:45am The Effect of Team Care Plan Meetings on Resident Education
in the Emergency Department
Matthew Kusulas, Margarita Lorch, Arezoo Zomorrod. – Abstract 200

9:45am Bringing Care Closer To Home: A Cluster Randomized Trial of
the Impact of Newborn Infection Management At Health Posts
on Neonatal Mortality in Rural Ethiopia
Tedhabe Degwee Hailegebriel, Brian F. Mulligan, Simon Couzens, Berket
Mathewos, Stephen Wall, Abeba Bekele, Jeanne Russile, Deborah Sitrin,
Biruk Tensou, Joy Lawn, Joseph de Graft Jonson, Hailemariam Legesse,
Assaye Kassie, Sirak Hailu, Bogale Worku, Abdullah H. Baqui.
– Abstract 201

9:45am Congruence of Parental Genomic Variation By Country and
Self-Report Race and Ethnicity in Ongoing Maternal Child
Genomic Studies
Sahel Hazrati, Kathi Huddleston, Alma C. Fuller, Wendy S. Wong, John
F. Niederhauber. – Abstract 202
Neonatal Neurology II
9:45am-11:15am Aria A
Moderators: Cynthia Bearer and Maria Delivoria-Papadopoulos

9:45am Effect of Scr Kinase Inhibition on the Expression of Second Mitochondrial Activator of Caspase (smac) Protein After Hypoxia in the Piglet Brain
Panagiotis Kratimenos, Nandita Mandhani, Waseem Akhter, Jane McGowan, Maria Delivoria-Papadopoulos. – Abstract 215

10:00am Effect of Concurrent Hypothermia and Inhibition of Caspase-9 on Caspase-3 Activity after Hypoxia-Ischemia in the Cerebral Cortex of Newborn Piglets
Nandita Mandhani, Shadi Malaej, Tahlar McIntosh, Siba A. Islam, Maria Delivoria-Papadopoulos. – Abstract 216

10:15am Choline Ameliorates Deficits in Balance Caused By Acute Third Trimester Equivalent Ethanol Exposure
Cynthia F. Bearer, Kristin A. Wellmann, Ningfeng Tang, Min He, Sandra M. Mooney. – Abstract 217

10:30am Choline Ameliorates Ethanol Induced L1 Cell Adhesion Molecule Dysfunction In Vivo
Ningfeng Tang, Min He, Cynthia F. Bearer. – Abstract 218

10:45am Early Systemic Inflammation and Risk for Positive Autism Spectrum Disorder Screening
Carmina Erdei, Robert M. Joseph, Raina N. Fichorova, Elizabeth N. Allred, Janice Ware, T. Michael O’Shea, Karl C K. Kuban, Olaf Damman, Alan Leviton. – Abstract 219

11:00am Continuous Capnography (End Tidal CO2) Monitoring During Neonatal Resuscitation
Praveen Chandrasekharan, Mummun Rawat, Jayasree Nair, Sylvia Gugino, Carmen Koenjesknecht, Daniel Swartz, Payam Vali, Bobby Mathew, Satyan Lakshminrusimha. – Abstract 220

Neonatology - Hematology/Cardiovascular
9:45am-11:15am Overture
Moderators: Jonathan Mintzer

9:45am Defining Hypotension in Premature Neonates: Is 30 Better?
Deidre M. St. Peter, Christiana L. Gandy, Natalie L. Davis, Suma B. Hoffman. – Abstract 221

10:00am Effects of Hematocrit Levels on Cerebral, Renal, and Splanchnic Oxygen Extraction in Very Low Birth Weight Neonates: Expanding the Scope of Near-Infrared Spectroscopy (NIRS)
Jonathan P. Mintzer, Boriana Purvey, Gad Alpan, Edmund F. La Gamma. – Abstract 222

10:15am Delayed Umbilical Cord Clamping Reduces the Need for Red Blood Cell Transfusions in Infants < 1500 Grams
Stephen Pearlman, Jeffrey Bolstridge, Tracy Bell, Barbara Dean, Amy Mackley, Gina Moore, David Paul, Cheryl Swift, Dina Viscian. – Abstract 223

10:30am Effects of RBC Storage on Iron and Inflammatory Cytokines in VLBW Infants (BW <1250g)
Tamara G. Kalhan, Eldad A. Hod, Rakhee Bowker, Sudha Kashyap. – Abstract 224

10:45am Effect of Blood Transfusions on Intermittent Hypoxia
Kelley Z. Kovaris, Juliam M. Di Fiore, Richard J. Martin, Harish Kirpalani. – Abstract 225

11:00am Reducing Radiation Exposure and Improving X-Ray Quality in the NICU
Christine Cats, Linda Levy, Kevin Graff, Paresh Pandit. – Abstract 226
Saturday, March 21, 2015

Platform Session

Behavior and Developmental Pediatrics

4:30pm-6:00pm

Moderators: Sharon Smith

4:30pm “Hiding in Plain Sight”: Common Neurodevelopmental Disturbances in Undiagnosed Children with X and Y Chromosomal Variations

– Abstract 33

4:45pm Relationship Between Child Sleep Patterns, Inattention and Hyperactivity

– Abstract 34

5:00pm Comparison of Screening Strategies To Detect the Full Range of Developmental-Behavioral Problems Among Young Children

– Abstract 35

5:15pm Heterogeneity among Children Presenting with Developmental Problems
Brenda Rojas, Laura Ramirez, Susan E. Marakovitz, Radley C. Sheldrick, Ellen C. Perrin.

– Abstract 36

5:30pm The Effect of Low Blood Lead Concentrations on Working Memory in Chinese Children
Naixue Cui, Jianhong Liu.

– Abstract 37

5:45pm Physicians’ Knowledge About the Legal Consequences of Stimulant Diversion: Perception vs. Reality
Natalie Colaneri, Sujit Vettam, Majnu John, Andrew Adesman.

– Abstract 38

Emergency Medicine - General

4:30pm-6:00pm

Moderators: Kate Ackerman

4:30pm Usefulness of a Sepsis Protocol as a Screening Tool in an Urban Community Hospital
Anne Marie Abao, Lily Quon Lew, Dakshayani Guttag, Susana Rapaport, Gagan Gulati.

– Abstract 39

4:45pm The Effect of Point-of-Care Ultrasound on Emergency Department Diagnosis and Management of Cellulitis Versus Local Allergic Reaction from Insect Bites
Jennifer E. Sanders, James W. Tsang, Ee T. Tay.

– Abstract 40

General Pediatrics II

4:30pm-6:00pm

Moderators: Mario Cruz and Marcia Van Vleet

4:30pm Association of Dual Food and Energy Insecurity With Adverse Child Behaviors and Health
Cristina Fernandez, Yang Jiang, Melissa Stockwell, Yuniko Aratani.

– Abstract 245

4:45pm Evaluation of a Multidisciplinary Home Visiting Program for Children With Special Health Care Needs
Elaine Lin, Maureen Braun, Susann Cortes, Sanite Theophile, Joseph Truglio.

– Abstract 246

5:00pm Immunization Rates of Children Diagnosed with Autism-Spectrum Disorders in New York State: A Pilot Study
Danielle P. Wales, Sara Horstmann, Anthony Malone, Susan L. Hyman, Judith A. Lucas, Chandni Vaid, Susanna Hill.

– Abstract 247

5:15pm “It All Depends”: A Qualitative Study of Parents’ Views of Human Papillomavirus (HPV) Vaccine for Their Adolescents At Ages 11-12 Years
Caitlin E. Hansen, Manisol Credle, Eugene D. Shapiro, Linda M. Niccolai.

– Abstract 248

5:30pm Obesity Education in the Inpatient Setting: A Needs Assessment
Rotem Elitsur, Selorm Adzaku, Katie Tran, Rita Dohmen, Geoffrey Bajwa, Duria Ferro, Elizabeth Silberholz, Hannah Neibauer, Mario Cruz.

– Abstract 249

5:45pm First Exposure and Use of Mobile Media in Young Children
Hilda Kabali, Rosemary Nunez-Davis, Sweta Mohanty, Jennifer Budacki, Kristin Leister, Maria Katrina Tan, Matilde Irigoyen, Robert Bonner.

– Abstract 250

Hematology / Oncology

4:30pm-6:00pm

Moderators: Hamid Bassir

4:30pm Rescue of the Mucocutaneous Manifestations in a Mouse Model of Recessive Dystrophic Epidermolysis Bullosa (RDEB) by Human Cord Blood Derived Unrestricted Somatic Stem Cells (USSCs)
Larisa Ivanova, Ahmed Rashad, Yanling Liao, Mitchell S. Cairo.

– Abstract 251

4:45pm Disassociation of T-Cell Recovery with T-Cell Donor Chimerism Following Allogeneic Stem Cell Transplantation (AlloSCT) in Pediatric Recipients
Anu Mallapaty, Samith Roy, Lauren Harrison, Carmella VanDeVen, Mark Geyer, Lee Ann Baxter Lowe, Mitchell S. Cairo.

– Abstract 252
### Saturday, March 21

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<tr>
<td>4:00pm</td>
<td><strong>Neonatology - Hypothermia</strong></td>
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<tr>
<td>4:15pm</td>
<td>Moderators: An Massaro</td>
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<tr>
<td>4:30pm</td>
<td>Association of Brain Injury and Neonatal Cytokine Response During Therapeutic Hypothermia (TH) in Newborns With Hypoxic Ischemic Encephalopathy (HIE)</td>
<td>Abstract 257</td>
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<tr>
<td>4:45pm</td>
<td><strong>WITHDRAWN</strong></td>
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<tr>
<td>5:00pm</td>
<td>Hypothermia and Vasoreactivity in Asphyxiated Lambs</td>
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<tr>
<td>5:15pm</td>
<td>Effect of Hypothermia on High Affinity Ca²⁺ ATPase Activity in the Cerebral Cortex of Newborn Piglets Following Hypoxia</td>
<td>Abstract 259</td>
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<tr>
<td>5:30pm</td>
<td>Cerebral Energy Failure after Hypoxia-Ischemia in Newborn Piglets: Protection by Hypothermia</td>
<td>Abstract 260</td>
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<tr>
<td>5:45pm</td>
<td>Effect of Concurrent Inhibition of Nitric Oxide Synthase and Hypothermia on Free Radical Injury after Hypoxia-Ischemia in the Newborn Piglet Brain</td>
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### Neonatology - Infectious Disease et al.

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<tr>
<td>4:30pm</td>
<td>Development of Point-of-Care Rapid Test of Inter-alpha Inhibitor Proteins for Early Detection of Neonatal Sepsis</td>
<td>Abstract 269</td>
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<tr>
<td>4:45pm</td>
<td><strong>Modulators: Hitesh Deshmukh</strong></td>
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<tr>
<td>5:00pm</td>
<td>Impact of Induction of Labor (ACOG) and Chorioamnionitis (AAP) Guidelines on NICU Admissions in Erie County, NY</td>
<td>Abstract 270</td>
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<tr>
<td>5:15pm</td>
<td>Acute Hypoxia Induces Cytokine Synthesis and Release in Mouse Pheochromocytoma Cells – A Potential Protective Mechanism To Hypoxic Stress</td>
<td>Abstract 271</td>
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<tr>
<td>5:30pm</td>
<td>Lack of Efficacy of Antenatal Corticosteroids in IUGR Infants</td>
<td>Abstract 272</td>
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<td>5:45pm</td>
<td>Meconium Stained Amniotic Fluid and Depressed Neonates: Does Presence of Meconium Below the Cord Changes Outcomes?</td>
<td>Abstract 273</td>
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### Saturday, March 21, 2015

**Poster Session III**

**Emergency Medicine / Gastroenterology**, **Neonatology / Hematology/Oncology**, **Infectious Disease / Neurology / Pharmacology**, **Pulmonology**

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<th>Time</th>
<th>Session</th>
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<tr>
<td>6:00pm</td>
<td><strong>Symphony</strong></td>
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<tr>
<td>1</td>
<td>Limiting Unnecessary Cervical Spine Computed Tomography</td>
<td>Kunal Chadha, Jennifer Argentieri, Scott Bouton, Brian Wroniak</td>
<td>Abstract 275</td>
</tr>
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<td>2</td>
<td>Effects of Ultrasound as an Initial Imaging Modality on Complication Rates in Children with Suspected Appendicitis</td>
<td>Stephen Alerhand, Ee Tay</td>
<td>Abstract 276</td>
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<tr>
<td>3</td>
<td>Finding Comfort in Different Diagnostic Modalities for Children With Suspected Appendicitis</td>
<td>Andrew T. Rizzo, Viviana C. Forti, Camille N. Immanuel, Michael Gorn</td>
<td>Abstract 277</td>
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Saturday, March 21

19 Development of a Reliable Physiologic Model for Prediction of High Altitude Illness
Nitin Ron, Abhinav Parikh, Mazin Alhamdani, Barbara Gattan, Nyaaba Khasw, Pramod Narula, Lawrence Melniker. – Abstract 293

20 Patient Outcome Feedback for the PEM Provider: Are We Meeting the Need?
Michael P. Goldman, Martin V. Pusic. – Abstract 294

21 Ondansetron Use in Children with Acute Gastroenteritis: Knowledge, Attitude and Practice of Ambulatory Healthcare Providers
Folashade Farri, Shelly Choudhury, Emmanuel R. Kwesiga, Roy Vega, Ayode Adeyi, Stefan Haagman. – Abstract 295

22 Nuclear Receptor Regulation of Placental Fatty Acid Transport Proteins: Implications for Fetal Overgrowth in Maternal Obesity and Gestational Diabetes
Naureen Memon, Kristin M. Bircsak, Barry Weinberger, Lauren M. Aleksunes. – Abstract 296

23 Estimation of Small Intestinal Bacterial Overgrowth in Children with Different Gastrointestinal Symptoms
Dong Xi, Puneet Arora, Yatian Zhang, Radha Nathan. – Abstract 297

24 Pediatric Refugee Health in Buffalo, NY
Angela Sandell, Robert Baker, Jennifer Maccarone, Changxing Ma, Susan Baker. – Abstract 298

25 Indomethacin Dose-Interuption & Maternal Chorioamnionitis: Risk Factors for Indomethacin Treatment Failure in Preterm Infants with PDA
Souvik Mitra, Muazaf Gani Abdul Wahab. – Abstract 299

26 Nuclear Heme Oxygenase (HO)-1 Enhances DNA Repair After Hyperoxic Injury Through GG1
Monica L. Williams, Amal P. Fernando, Mekdes T. Yohannes, Ping La, Phyllis A. Denzery. – Abstract 300

27 Influence of Central Hemodynamics and Dual-Lumen Catheter Positioning on Recirculation in Neonatal Veno-Venous ECMO
Mariam M. Said, Gerald T. Mikesell, Oswaldo Rivera, Khodayar Rajab-Bahrami. – Abstract 301

28 Inflammatory Role of Pulmonary Artery Smooth Muscle Cells in Pulmonary Vascular Remodeling in Pulmonary Artery Hypertension
Joanna Costa, Deepdi Alapaty, Yan Zhu, Paul Fawcett, Thomas Shaffer. – Abstract 302

29 Radiation Exposure in Very Low Birth Weight Infants in the NICU
Samuel Ayagi, Saba Faraaz, Saul Rubin, David Saul, Mindy Horrow, David L. Schutzman. – Abstract 303

30 The Immature T Cell Receptor Repertoire Impairs the Neonatal CD8+ T Cell Response To Influenza Infection
Alison J. Carey, Donald T. Gracias, Jillian L. Thayer, Yvonne M. Mueller, Jennifer L. Hope, Peter D. Katsikis. – Abstract 304

31 Developmental Intervention for Infants of Adolescent Mothers: Phase 1
Laurie Hoffman, Alicia Hersey, Richard Tucker, Betty Vohr. – Abstract 305

32 Non-Invasive Airway Resistance Measurement in Neonates
Khushbu Shukla, Alyse M. Laliberte, Jafar Vossoughi, Arthur Johnson, Martin Kezerler. – Abstract 306

33 Cost Analysis of Home Monitor Utilization To Facilitate Earlier Discharge in Late Preterm and Full Term Infants with Apnea
Michael Ambergren, Lauren Veit, Dmitry Dukhovny, Lawrence M. Rhein. – Abstract 307

18 Effect of Childhood Obesity on Emergency Department Resource Utilization in an Inner City Community Hospital
Kirshanth Perinpanathan, Noah Kondamudi, Maio Joseph, Upile Nawartne. – Abstract 292

17 Non-Pathogens and Positive Blood Cultures in Sickle Cell Patients Presenting to the Emergency Department with Fever
Oluwakemi Badaki-Makun, Angela Ellison, Brittany Oliver, Mark Nimmer, Nihal Ali, Katie Eisenbrown, James Chamberlain, David C. Brousseau. – Abstract 291

16 The Initial Effects of the Patient Protection and Affordable Care Act (PPACA) on Pediatric Emergency Departments
Anjali Mitra, Pranavi Vemuri, Daniel Krich, Noah Kondamudi. – Abstract 289

15 Are We Doing Too Many Tests for Children Presenting to the in the Emergency Department With Acute Asthma Exacerbation?
Anjali Mitra, Pranavi Vemuri, Noah Kondamudi. – Abstract 289

14 Does Time To Treatment Influence Hospitalizations Among Children Presenting to the ED with Acute Asthma Exacerbation?
Pranavi Vemuri, Anjali Mitra, Daniel Krich, Noah Kondamudi. – Abstract 288

13 Comparing Focused Assessment with Sonography for Trauma (FAST) with Computed Tomography (CT) in Detecting IntraAbdominal Injury (IAI) in Pediatric Patients Presenting to the Emergency Department (ED) with Blunt Abdominal Trauma (BAT)
Mary Emborsky, Brian Wrotniak. – Abstract 287

12 Determining Which Children Need ECGs in the Emergency Department
Shiv D. Gandhi, Jesse Sturm, Danielle Federico, Renee Silvis, Jill Popp, Harris Leopold, Sharon R. Smith. – Abstract 285

11 Parent Preferences for the Pediatric Emergency Department Discharge Process
Margaret E. Samuels-Kalow, Alyssa R. Smith, Emily Hardy, Karin Rhodes, Cynthia Molten. – Abstract 284

10 Reducing Repeat Head Computed Tomography for Pediatric Trauma Patients
Melanie A. Weller, Alfred P. Kennedy, Carol A. Hanson, Christopher P. Coppola. – Abstract 283

9 Rapid Transfer to the Pediatric Intensive Care Unit after Admission from the Emergency Department: Role of the Pediatric Early Warning Score
Kimberly E. Mcmahon, Erica L. Del Grippo, Christopher J. Pymire, Andrew D. DePiero. – Abstract 282

8 The Impact of Trained Pediatric Specialists on Pediatric Transport to a Pediatric Tertiary Care Facility
Margaret A. Lafferty, Marigary Lorch, James Hertzog. – Abstract 282

7 Correlating Bedside Lung Ultrasound with Tachypnea in Bronchiolitis: Preliminary Data from the B-PLUS Study
Sara B. Cortes, Sharon Yellin. – Abstract 281

Mohsen Sadinejad, Sephora N. Morrison, Sabah F. Fqhal, Joanna S. Cohen, Kristen A. Breslin, Shilpa J. Patel, James M. Chamberlain. – Abstract 280

5 Pain Assessment and Management of Children Presenting To Pediatric ED with Long Bone Fractures
Noah P. Kondamudi, Sneha Patel. – Abstract 279

4 Assessing Childhood Obesity Risk Through Parental Diet and Location of Residence
Yue J. Lin, Christine H. Mulvey, Sharon R. Smith. – Abstract 278

3 Non-Invasive Airway Resistance Measurement in Neonates
Khushbu Shukla, Alyse M. Laliberte, Jafar Vossoughi, Arthur Johnson, Martin Kezerler. – Abstract 283

2 Parental Choroidiamnitis: Preliminary Data from the B-PLUS Study
Cohen, Kristen A. Breslin, Shilpa J. Patel, James M. Chamberlain. – Abstract 280

1 Development of a Reliable Physiologic Model for Prediction of High Altitude Illness
Krishnaraj Mahendarraji, Christine S.M. Lau, Ronald S. Chamberlain  
– Abstract 323

50 Transfusion Related Iron Overload in Pediatric Oncology and Response To Iron Chelation Therapy  
Sameer Farouk Sai  
– Abstract 324

51 Clinical Profile of Children with Sickle Cell Disease (SCD) & Abdominal Pain : Delayed/Missed Acute Surgical Abdomen?  
Shubhi Kaushik, Nitya Gulati, Alitia Kandasamy, Scott T. Miller, Nisad Desai  
– Abstract 325

Christine S.M. Lau, Krishnaraj Mahendarraji, Ronald S. Chamberlain  
– Abstract 326

53 Genetic Elements Common To HIV-1, Ebola, and Marburg: Proline Clusters (ProCis) As Targets for a Novel Class of Broad-Spectrum Antivirals Impervious To Escape Mutations  
Hartmut M. Hanauske-Abel, Michael Spino, Manaul Hose, Anthony Popowicz, George K. Lee, Darlene D’Allessio Gandolfi, Paul E. Palumbo  
– Abstract 327

54 Expansion of Tetanus, Diptheria and Acellular Pertussis (Tdap) Vaccination Guidelines Is Associated with Reduction in Infant Pertussis Hospitalization Rates  
Shetal Shah, Nandini Vijayakanthi, Heather L. Brumberg  
– Abstract 328

55 Antibodies Targeting Structural Epitopes on gp41 as a Potential Inherent Resistance Mechanism To HIV Fusion Inhibitors  
Hakimuddin Soijar, Michele Smith, Ravikumar Aalinkeel, Supriya Mahajan, Stanley A. Schwartz, Chiu-Bin Hsiao, Mark D. Hicar  
– Abstract 329

56 Impact of Rotavirus Vaccination on Circulating Rotavirus Genotypes in a State With a Universal Vaccine Policy  
Sabina D. Holland, Sara M. Nelson, Penelope Dennehy  
– Abstract 330

57 Paragonimus Westermanni Infection Masking As Recalcitrant Multi-Drug Resistant Tuberculosis  
Laura M. Willisie, Adam J. Olewnik, Mark D. Hicar  
– Abstract 331

58 Characteristics of Invasive Cytomegalovirus (CMV) Enterocolitis in Immunocompetent Children  
Paul K. Sue, Nicole Salazar-Austin, Ravit Arav-Boger  
– Abstract 332

59 The Effect of a Clinical Pathway on Antibiotic Prescribing For Outpatient UTI  
Jonathan Beus, Carter Cowden, Talene Metjian, Daniele Dona, Ron Keren, Jane Lavelle, Aileen Schast, Kathy Shaw, Jeffrey Gerber  
– Abstract 333

60 Risk of Bacterial Meningitis in Young Infants and the Role of Lumbar Puncture for Evaluation of Fever  
Namrita J. Odackal, Andrew Lim, Simon Li, Sheila M. Nolan, Aalok R. Singh  
– Abstract 334

61 Enterovirus D68 Infection in Children: Is It As Severe As Initially Described?  
Daniel Rudertfer, Leonard R. Krilov  
– Abstract 335

62 Culture Pus Not Blood: An Intervention To Minimize Lab Testing in the Evaluation of Uncomplicated Skin and Soft Tissue Infections  
Amy J. Sloane, David M. Pressel  
– Abstract 336

63 Changes in Cortical Structure in Infantile Nephropathic Cystinosis  
Poerva Vaidya, Timothy T. Brown, Doris A. Trauner  
– Abstract 337
Sunday, March 22, 2015
Poster Session IV
General Pediatrics / Neonatology

7:30am-9:00am  Symphony

1 Hospital Variation in Cervical Imaging of Young Children with Abusive Head Trauma
M. Katherine Henry, Mark R. Zonfrillo, Lihai Song, Chris Feudtner, Joanne N. Wood.

2 Intrapartum GBS Chemoprophylaxis with Vancomycin and Clindamycin: Newborn Outcomes

3 Evaluating the Financial Impact of the “Two Midnight Rule” Should It Be Implemented for Pediatric Inpatients
Nancy Palumbo, Meredith Krevskaya, Jamilah Grant-Guimares.

4 Relationship between Caregiver Distractions and Children’s Risk Taking Behaviors on a Playground
Anna Krevskaya, Janet Lee, Ruth L. Milanaik, Alyson Gutman, David Meryash.

5 Bridging the Child Obesity Culture Gap in the Chinese-American Population with a Novel Meal-Planning Visual Aid
James X. Wang, Betty Lung, Debra Katz-Feigenbaum, Maura D. Frank.

6 The Impact of HIV School Education on Sexual Activity, Substance Use Before Sexual Activity, and Condom Use Among Adolescents in a Large National Database
Subha Battu, David Fagan, Brinda Doraiswamy, Joshua Fogel, Fernanda Kupferman.

7 HIV Testing Among High Risk Adolescents in a Large National Database
Subha Battu, David Fagan, Brinda Doraiswamy, Joshua Fogel, Fernanda Kupferman.

8 Adherence To Vitamin D Screening and Treatment Guidelines in Obese Children Is Low
Rotem Elitsur, Maria Bergel, Rita Guevara-Dohmen, Bruce Bernstein, Mario Cruz.

9 Comparison of Two Novel Quality Improvement EHR Tools To Increase Blood Pressure Documentation and Recognition of Hypertension
Emily Skoda-Mount, Steve Caddle, John Rausch, Minna Saslaw, Dana Siroto, Mariellen Lane.

10 Fostering the Mentoring Relationship in Adolescent Transplant Recipients: The Role of E-Communication
Christopher Paterno, Nina Foster, Hannah Dashefsky, Sandra Amaral.

11 From Boosters To Books: Enhancing Emergent Literacy in the Medical Home
Krishika A. Graham, Milani R. Patel, Sandra F. Braganza.

12 Working with a Medical Legal Partnership To Address Food Insecurity in a Urban Pediatric Practice
Hans B. Kersten, Elizabeth Oquendo, Daniel R. Taylor.

13 Semi-Automatic Mining of Abstracts for Clinical Trial Information
Anoop Rao.

14 Determinants and Outcomes of Provider and Family Participation in a Multi-State Asthma Portal Implementation

15 Ibuprofen and Acetaminophen Use in Children Hospitalized With Acute Asthma
Nicole M. Leone, Lindsey C. Douglas.

16 BMI an Independent Risk Factor Increased Lenght of Stay (LoS) in Acute Asthma
Pravesh Sangwan, Haifa Jaedi, Puneet Arora, Yash Shah, Marina Rubin, Misha Sodhi, Francene Ould.

17 Outpatient Continuity of Care During Infancy Impacts Health Care Use and Receipt of Preventative Services During Early Childhood
Elizabeth M. Enlow, Molly Passarella, Scott A. Lorch.

18 Comparison of Immunization Delivery Quality Improvement Dissemination Strategies

19 WITHERD

20 Trimming the Fat: Utilizing PDSA Cycles To Improve Obesity Counseling and Follow Up
Mary K. Mehlan, Ceena Philispose.

21 Supporting Overweight and Obesity Management with Clinical Decision Support
Jeremy Michel, Mari Mui, Robert Grundmeier, Patricia DeRusso, Saba Khan.

Sunday, March 22, 2015 Platform Session Cardiology

9:30am-12:30pm Maestro B

10:30am Supplemental Intravenous Acetaminophen Does Not Reduce Opioid Use in Infants After Cardiac Surgery

10:45am Truncated Protein MyBP-C Allelic Specific Expression in Hypertrophic Cardiomyopathy By Multiple Reaction Monitoring Mass Spectrometry
Phillip D. Kim, Genaro A. Ramirez-Correia, Anne M. Murphy.

11:00am Assessing Myocardial Function in Persistent Pulmonary Hypertension of the Newborn and Developmental Pulmonary Hypertension: The Role of Tissue Doppler Imaging and Tricuspid Annular Plane Systolic Excursion
Chalsee Richardson, Denise A. Hayes, Cynthia Amirtharaj, Dorota Gruber.

11:15am Palliative Balloon Pulmonary Valvuloplasty for Infants With Unrestrictive Ventricular Septal Defect Or Single Ventricle Associated With Pulmonary Stenosis

11:30am Endothelin A Receptor Genetic Variant Protects from Persistence of the Ductus Arteriosus

11:45am Clinical Variables and Effect of Ductal Shunting and Inotropes on the SVC Flow in VLBW Infants
Salma Asad, Yash Shah, M. Roger Kim, Sarita Dhuper.

12:00pm Effect of Ductus Arteriosus Closure on Photoplethysmographic Signals in Preterm Infants
Cynthia R. Amirtharaj, Lynn Palmeri, Gideon Gradwohl, Meir Nitzan, Dorota Gruber, David Meyer, Andrew Blaufuss, Elena Kwon, Robert Koppel.

12:15pm In-Vitro Cell Specific Gene Delivery in Human Ductus Arteriosus & Aorta Cells
Pratik Parikh, George Alfieris, Michael Swartz, David Dean.
### Developmental Biology

**10:30am-12:30pm**  
**Moderators:** MaryAnn Volpe  
**Maestro A**

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<tr>
<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>10:30am</td>
<td>Mechanism of Increased Expression of Caspase-1 Following Hypoxia in</td>
<td>Andy Wang, Jessica V. May-Rabbach, Waseem Akhter, Ioannis Koutoulis,</td>
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<td>the Cerebral Cortex of the Guinea Pig Fetus at Term</td>
<td>Maria Delivoria-Papadopoulos.</td>
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<td>10:45am</td>
<td>Combined Nitric Oxide and Vitamin A Regulate Vasculogenesis Pathways</td>
<td>MaryAnn V. Wolpe, Chelsea Douglass, Azeem Sharda, Lucy Yang, Heber C.</td>
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<td>During Oxygen-Induced Injury To Neonatal Lung Endothelial Cells</td>
<td>Nielsen.</td>
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<td>11:00am</td>
<td>HB-EGF Is Critical To Accelerate Lung Development</td>
<td>Lauren M. Priolo, Yulian Wang, Tanbir Nairana, Juan R. Sanchez-Esteban.</td>
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<tr>
<td>11:15am</td>
<td>Initiation of Electron Transport Activity and a Decrease of Oxidative</td>
<td>Gisela Beutner, George A. Porter.</td>
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<td>Stress Occur Simultaneously During Embryonic Heart Development</td>
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<td>11:30am</td>
<td>The Long Non-Coding RNA Fanci Directs Early Endoderm and Lung</td>
<td>Daniel T. Swarr, Michael Morley, Komal Rathi, Michael Herriges,</td>
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<td>Development by Regulating Expression of Foa2</td>
<td>Edward M. Morrissey.</td>
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<td>11:45am</td>
<td>Prenatal GABA Modulation Prevents Metabolic Derangements in Drug</td>
<td>Samarth Shukla, Mohamed Ahmed, Stephen Dewey.</td>
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<td>Exposed Fetal Brain</td>
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<td>12:00pm</td>
<td>Extension of Joint Involvement Can be Predicted Early in Course</td>
<td>AnneMarie C. Brescia, Megan M. Simonds, Suzanne M. McCahan, Paul T.</td>
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<td>of Oligoartic Juvenile Idiopathic Arthritis Using Gene Expression</td>
<td>Fawcett, Carlos D. Rose.</td>
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<td>Profiling</td>
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<td>12:15pm</td>
<td>DNA Methylation Differences in Cord Blood Between Term and Preterm</td>
<td>Susan M. Braid, Hector Corrada Bravo, Kwame Okrah, Xiumei Hong,</td>
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<td>Infants Is Associated With Differences in Cell Composition</td>
<td>Xiaobin Wang.</td>
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### Endocrinology

**10:30am-12:30pm**  
**Moderators:** Rachana Shah  
**Minuet**

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<th>Time</th>
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<tr>
<td>10:30am</td>
<td>Omega-3 Polyunsaturated Fatty Acids Alter Differentiation and</td>
<td>Yasmeen Midgette, Rachana Shah.</td>
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<td>Inflammatory Signaling in Human Adipocytes</td>
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<td>10:45am</td>
<td>Antioxidants Reverse Obesity-Induced Transcriptomic Changes in</td>
<td>Tami Stuart, Kathleen O’Neill, Monica Mainiugi, Rebecca Simmons.</td>
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<td>Oocytes</td>
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<td>11:00am</td>
<td>The Use of Glucagon in the Treatment of Congenital Hyperinsulinism</td>
<td>Juan Jose Lado, Stephanie Givler, Diva D. De Leon.</td>
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### Infectious Disease II

**10:30am-12:30pm**  
**Moderators:** Shetal Shah  
**Concerto AB**

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<th>Time</th>
<th>Title</th>
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<tr>
<td>11:00am</td>
<td>Rapid Molecular Blood Culture Identification (BCID) Can Improve</td>
<td>Sophie Katz, Jennifer Vodzak, Alan T. Evangelista, Jeffrey J. Cies,</td>
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<td>Antimicrobial Stewardship for Children With Bacteremia</td>
<td>Sarah S. Long.</td>
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<td>11:15am</td>
<td>Reduction in New York State Infant Pertussis Rates Associated with</td>
<td>Shetal Shah, Heather L. Brumberg.</td>
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<td>the 2013 Neonatal Pertussis Prevention Act</td>
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<td>11:30am</td>
<td>Use of Azithromycin as Anti-inflammatory Agent in Hospitalized</td>
<td>Suhas Gangu, Andrea Heras, Tarek Zetoune, Shirley Pinero-Bernardo,</td>
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<td>Children with Acute Exacerbation of Asthma</td>
<td>Dakshayani Gutti, Partha Chatterjee, Susana Rapaport, Lily Lew, Esra</td>
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<td>Fakioglu.</td>
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<td>11:45am</td>
<td>Disparities in HPV Vaccine Series Completion for Males</td>
<td>Atu Agawu, Alexandra L. Hanlon, Alison M. Butenheim, Lihai Song,</td>
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<td>Alexander G. Fiks, Kristen A. Feemster.</td>
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<td>12:00pm</td>
<td>Optimum Duration of Empirical Antibiotic Therapy (EAT) for Suspected</td>
<td>Shravan Gunde, Arpit Agawal, Frederick Ogwara, Peter Homel, Maria L.</td>
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<td>Sepsis in Neonates from NICU : A 5-Year Retrospective Study</td>
<td>Escobar Hoyos, Panayot Filipov.</td>
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<tr>
<td>12:15pm</td>
<td>Pilot Study of Dornase Alfa (Pulmozyme) Therapy for Acquired</td>
<td>Melissa Scala, Judith Palafoutas, Deborah Hov, Maria Bautista, Kabir M.</td>
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<td>Ventilator Associated Pulmonary Infection (VAPI) in Preterm Infants</td>
<td>Abubakar.</td>
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<td>in the Neonatal Intensive Care Unit (NICU)</td>
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</table>
10:30am Risk of Inflammatory Bowel Disease (IBD) Following Childhood Antibiotic Exposure: A Systematic Review
Julie Gilbert, Peter F. Belamarich. – Abstract 449

10:45am Anthropometric Trends in Infants Born \( \leq 28 \) Weeks Gestation from 1997-2012
Nicholas Wells, Katherine Ottolini, Theophil Stokes, Cara Olsen, Alan Spitzer, Carl Hunt. – Abstract 450

11:00am Maternal Obesity Is Associated with Increased Adiposity in Appropriate for Gestational Age Term Infants
Kristin L. Olsen, Shreyans Bengani, Melissa Vega, Tao Wang, Maureen J. Charron, Mamta Fuloria. – Abstract 451

11:15am Quantifying the Economic Burden of Neonatal Illness on Families of Preterm Infants in the U.S. and Canada
Jessica K. Schifflin, Dmitriy Dukhnov, Meredith Mowitz, Haresh Kirpalani, Wenyang Mao, Robin Roberts, Amy Nyberg, John Zupancic. – Abstract 452

11:30am Why do Children with Severe BPD not attend Neonatal Follow Up Care? - Parental Views of Barriers
Jennifer M. Handzel, Nicole Pouppirt, Judy Bernbaum, Jo Ann D’Agostino, Marsha Gerdes, Casey Hoffman, Hallam Hurt, Haresh Kirpalani, Sara B. DeMauro. – Abstract 453

11:45am Agreement of Developmental Age with Chronologic and Adjusted Age of Former Preterm Infants After 2 Years
Jordan S. Kase, Sensa Gogcu. – Abstract 454

12:00pm Health Literacy in Parents of Premature Infants: Distribution and Change During NICU Admission
Elizabeth M. Enlow, Danielle Fox, Laura H. Rubinos, Megay Gray, Nicolas Bamat, Soraya Abbasi, Scott A. Lorch. – Abstract 455

12:15pm If Infant Does Not Appear Right: He May Not Be Able To Hear Either
Jaskiran Ranu, Rupinder Kaur, Rubia Khalak. – Abstract 456

Neonatology - Pulmonary/Ventilation
10:30am Optimal Target Oxygen Saturation (SpO\(_2\)) in Term Lambs with Meconium Aspiration Syndrome (MAS) and Persistent Pulmonary Hypertension of the Newborn (PPHN)
Munmun Rawat, Praveen Chandrasekharan, Sylvia Gugino, Carmon Koenigskeach, Daniel Swartz, Bobby Mathew, Jayasree Nair, Satyan Lakshminrusimham. – Abstract 457

10:45am Ventilation At Sub-Dead Space Tidal Volumes: A Bench Study
Edward H. Hurley, Martin Keszler. – Abstract 458

11:00am Does a Prototype High Frequency Nasal Cannula Device Enhance Carbon Dioxide Elimination Compared To Bubble CPAP?
Kabir M. Abubakar, Morarji Peesay. – Abstract 459

11:15am Utility of Exhaled Breath Condensate in Predicting Bronchopulmonary Dysplasia
Elizabeth Yen, Barry J. Weinberger, Robert J. Laumbach, Anna M. Vetranu, Maya R. Ramagpal. – Abstract 460

11:30am High Frequency Oscillatory Ventilation: The Effects of Hyperoxia and Biophysical Stress on Cultured Human Airway Epithelial Cells
Anja K. Mowes, Beatriz E. de Jongh, Yan Zhu, Timothy J. Cox, Thomas H. Shaffer. – Abstract 461

11:45am Delivery Room CPAP - Outcomes of a Quality Improvement Initiative
Sandeep Sadashiv, Robert Locke, Haritha Vellanki, John Emberger, Robin Maguire, Gina Moore, John Stefano. – Abstract 462

12:00pm Inhaled Nitric Oxide (iNO) in Early Pulmonary Hypertension (PH) and Hypoxic Respiratory Failure (HRF) in Preterm Infants
Praveen Chandrasekharan, Vasanth H.S. Kumar, Munmun Rawat, Satyan Lakshminrusimha. – Abstract 463

12:15pm Prophylactic Indomethacin Is Not Associated with a Reduced Risk of BPD in Extremely Preterm Infants

Nephrology
10:30am-12:30pm Overture
Moderators: Beatrice Goilav

11:00am Estimation of GFR (eGFR) in Preterm Infants (<31 Wks) by Using Serum Creatinine and Cystatin C
Parvesh Mohan Garg, Ravisankar Srikan, Scott MacGilvray, Shekharat Prem, Guillermo Hidalgo. – Abstract 465

11:15am MicroRNAs in Nephrotoxic Serum Nephritis
Lauren Becton, Chaim Puterman, Olivier Loudig, Andrew Ramnauth, Rahul Pawar, Miguel Brown, Beatrice Goilav. – Abstract 466

11:30am Urinary Tract Infection Need a Voiding Cystourethrogram?
Nicolas Bamat, Soraya Abbasi, Scott A. Lorch. – Abstract 467

11:45am Immunogenicity of Human Papillomavirus Recombinant Vaccine (Gardasil®) in Pediatric Patients with Kidney Disease
Rahul Pawar, Miguel Brown, Beatrice Goilav. – Abstract 468

12:00pm Do Infants in the Neonatal Intensive Care Unit Diagnosed With Urinary Tract Infection Need a Voiding Cystourethrogram?
Jaskiran Ranu, Rupinder Kaur, Rubia Khalak. – Abstract 469

12:15pm Comparison of AKIN and pRIFLE Criteria in Diagnosing Acute Kidney Injury in Very Low Birth Weight Infants
Ankana Daga, Fredrick Dapaah-Siakwan, Sharina Rajibhandari, Casandra Arevalo, Agnes Salvador. – Abstract 470

12:30pm Serious Gaming in Nephrology: Development of an Online Virtual Peritoneal Dialysis Simulator
Aleskandra Olszewski, Traci Wolbrink, Daniel Hames, Mignon McCulloch, Deborah Stein, Sharon Su, Jeffrey Burm. – Abstract 471

12:45pm Discovery of a Novel Monoclonal Antibody Against a Renal Inflammatin
Sandeep Sadashiv, Alan Charron, Mamta Fuloria, Robin Roberts, Amy Nyberg, John Zupancic. – Abstract 472
Faculty

Ruth Abaya, MD, MPH
Children’s Hospital of Philadelphia
Philadelphia, PA

Zubair Aghai, MD
Thomas Jefferson University
Philadelphia, PA

Mohamed Ahmed, MD, PhD
Cohen Children’s Medical Center of New York
Manhasset, NY

Oleh Akchurin,
Monterfoi Medical Center, Albert Einstein College of Medicine
Bronx, NY

Namavisyam Ambalavanan, MD
University of Alabama at Birmingham
Birmingham, AL

Sanjiv Amin, M.D.
Strong Memorial Hospital
Rochester, NY

Emilio Arteaga-Solis, M.D., PhD
Columbia University Medical Center
New York, NY

Praveen Ballabh, MBBS
Westchester Medical Center-NY
Medical College
Valhalla, NY

Hamid Bassiri, MD, PhD
Children’s Hospital of Philadelphia
Philadelphia, PA

Cynthia Bearer, MD, PhD, FAAP
Univ of Maryland Hosp for Children
Baltimore, MD

Kirsten Bechtel, MD
Yale New Haven Children’s Hospital
New Haven, CT

Joseph Bliss, MD, PhD
Women and Infants Hospital
Providence, RI

Rachel Boykan, MD
Stony Brook Children’s Hospital
Stony Brook, NY

Kenneth Bromberg, MD, FAAP
The Brooklyn Hospital Center
Brooklyn, NY

Heather Brumberg, MD, MPH, FAAP
The Regional Perinatal Center at Maria Fareri Childrens Hospital at Westchester Medical Center
Valhalla, NY

Karen Carpenter, MD, FAAP
Inova Medical Group
Falls Church, VA

Helen Christou, MD, FAAP
Brigham and Women’s Hospital
Boston, MA

Esther Chung, MD MPH FAAP
Jefferson Medical College/Nemours
Philadelphia, PA

Mario Cruz, MD
St. Christopher’s Hospital for Children
Philadelphia, PA

James Cummings, M.D.
The Children’s Hospital at Albany
Albany, NY

Christianne Dammann, MD
Tufts University/NeoPeri
Boston, MA

Maria Delivoria-Papadopoulos, MD, FAAP
Drexel University College of Medicine
Philadelphia, PA

Sara DeMauro, MD, MSCE
The Children’s Hospital of Philadelphia
Philadelphia, PA

Joseph Domachowske, MD
SUNY Upstate Medical University
Syracuse, NY

Susan Duffy, M.D.
Brown University
Providence, RI

Gary Emmett, MD FAAP
Nemours Foundation/Thomas Jefferson University
Philadelphia, PA

Susan Feigelman, MD
University of Maryland
Baltimore, MD

John Giuliano, Jr., MD FAAP
Yale University School of Medicine
New Haven, CT

Elizabeth Goldmuntz, MD FAAP
Children’s Hospital of Philadelphia/PedsCardio
Philadelphia, PA

Jay Greenspan, M.D.
Jefferson Medical College
Philadelphia, PA

Patricia Hicks, MD FAAP
The Childrens Hosp of Philadelphia
Philadelphia, PA

Deshmukh Hitesh, M.D., PhD
Cincinnati Children’s Hospital Medical Center
Cincinnati, OH

Yamini Howe, MD
Massachusetts General Hospital
Lexington, MA

Steven Kemie, M.D.
Columbia University Medical Center
New York, NY

Martin Keszler, MD
Women and Infants Hospital
Providence, RI

Edmund La Gamma
Maria Fareri Children’s Hospital at Westchester Medical Center
Valhalla, NY

Amit Lahoti, MBBS
Cohen Children’s Medical Center, North Shore LIJ Health System
Lake Success, NY

Satyan Lakshminrusimha, M.D.
Women and Children’s Hospital of Buffalo
Buffalo, NY

Danielle Larague, MD
Maimonides Infants and Children’s Hospital of Brooklyn
Brooklyn, NY

Corinne Leach, M.D., Ph.D.
Children’s Hospital of Buffalo
Buffalo, NY

An Massaro, MD
Children’s National Medical Center
Washington, DC

Maria McColgan, MD
St. Christopher’s Hospital for Children
Philadelphia, PA

Lynne Mofenson, MD
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Rockville, MD

Anne Murphy, MD
Johns Hopkins University School of Medicine
Baltimore, MD

James Padbury, M.D.
Brown Medical School/Women & Infants Hospital
Providence, RI

David Paul, M.D.
Baylor College of Medicine/Texas Children’s
Houston, TX

Ellen Perrin, MD
Tufts Medical Center
Boston, MA

George Porter, M.D., Ph.D.
University of Rochester Medical Center
Rochester, NY

Richard Schanler, MD FAAP
Columbia Children’s Medical Center of New York
New Hyde Park, NY

Anita Shah, MD FAAP
Maria Fareri Children’s Hospital, New York Medical College
Great Neck, NY

Eugene Shapiro, MD FAAP
Yale University Dept of Pediatrics
New Haven, CT

Sharon Smith, MD FAAP
Connecticut Children’s Medical Center
Hartford, CT

Robert Squires, MD FAAP
Children’s Hospital of Pittsburgh
Pittsburgh, PA

Laurie Steiner,
University of Rochester
Rochester, NY

Marcia Van Vleet, MD
Women and Infants’ Hospital of Rhode Island
Providence, RI

Susan Vannucci, Ph.D.
Weill Cornell Medical College
New York, NY

MaryAnn Volpe, M.D.
New England Medical Center
Boston, MA

Melanie Wellington, MD
Univ of Rochester
Rochester, NY

Joshua Zaritsky, MD
AI duPont Hospital for Children
Wilmington, DE
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ESPR Program Office
3400 Research Forest Drive, Ste. B-7
The Woodlands, TX 77381
Email: espr-info@aps-spr.org
Phone: 281-419-0052
Web: www.aps-spr.org/ESPR

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