2016 PROGRAM GUIDE
ESPR ANNUAL MEETING
Philadelphia, PA - March 11-13

Jointly provided by Tulane University Health Sciences Center.
Eastern SPR Officers & Council

2014-2017 President
George A. Porter, Jr., MD, PhD
University of Rochester Medical Center
Rochester, NY
Email: george_porter@urmc.rochester.edu
Phone: (585) 276-4769

2011-2016 Secretary
Michael Posencheg, MD
Division of Neonatology and Newborn Services
Hospital of the University of Pennsylvania
Philadelphia, PA
Email: michael.posencheg@uphs.upenn.edu
Phone: (215) 615 - 4376

2011-2016 Treasurer
Jason Z. Stoller, MD
Children’s Hospital of Philadelphia
Philadelphia, PA
Email: stoller@email.chop.edu
Phone: (215) 590-4393

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

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

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

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

Councilors
2013-2017 ........................................... Zubair Aghai, MD
2013-2017 ........................................... Heather Brumberg, MD, MPH
2013-2017 ........................................... Mark Cicero, MD
2012-2016 ........................................... Murli Purswani, MBChB, FAAP
2015-2019 ........................................... Lawrence Rhein, MD
2013-2017 ........................................... Steven Rogers, MD
2012-2016 ........................................... Jeffrey S. Shenberger, MD
2015-2019 ........................................... Adam Spanier, MD
2014-2018 ........................................... Alfin Vicencio, MD

Past Presidents
2011-2014 .......................................... Vineet Bhandari, MD, DM
2008-2011 .......................................... Lawrence M. Nogee, MD
2005-2008 .......................................... Bruce D. Gelb, MD
2002–2005 .......................................... Luc P. Brion, MD
1999–2002 .......................................... Mitchell J. Kresch, MD
1996–1999 .......................................... Ira H. Gewolb, MD
1993–1996 .......................................... Alan R. Fleischman, MD
1991–1993 .......................................... Marc Yudkoff, MD
1989–1991 .......................................... Joseph B. Warshaw, MD
1988–1989 .......................................... Laurence Finberg, MD

CONTENTS

Sponsorship Honor Roll ......................1
Recognition of New Members ..............2
Press Guidelines ..............................3
Meeting Services & CME Accreditation ....4
Schedule-at-a-Glance .......................5
Friday Programming .........................6-8
Saturday Programming .....................9-19
Sunday Programming .......................20-24
Abstract Presenter Index .................25
Faculty ........................................26
Hotel Maps ................................. inside back cover
Dear Colleagues,

Welcome to the 28th 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 a State-of-the-Art Plenary, Mentor of the Year, a “Great Debate”, and the highly popular Fellows’ Clinical Case 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: Executive Director Elleen Fenton, CFO-Kate Culliton, Belinda Thomas, Lisa Thompson, and Glenda Minshew. We also recognize the energetic efforts of the Eastern SPR Planning Committee and Council Members for their guidance and vision in planning this meeting and the efforts of Tulane CCE as our 2016 provider 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!

George Porter, Jr., MD, PhD
President

Michael Posencheg, MD
Secretary

Joseph Bliss, MD, PhD
Chair, Planning Committee
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 11, 2016. Once again, congratulations and welcome to the Eastern Society for Pediatric Research.

Jamie Pinto, MD
Jayasree Nair, MBBS MD
Sagori Mukhopadhyay, MD, MMSc
Elizabeth Yen, MD
Annemarie Stroustrup, MD, MPH
Beatrice Goilav, MD

**AAP CREDITS**

This continuing medical education activity has been reviewed by the American Academy of Pediatrics and is acceptable for a maximum of 12 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 11 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 exhibit immediately forfeits press credentials.

A press badge allows media to attend all ESPR sessions being held during the dates of **March 11 – 13, 2016.** 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.
Registration and CME Desk Hours
Registration will be held on the 3rd floor. Registration hours are as follows:
- Friday, March 11: 4:00pm – 7:30pm
- Saturday, March 12: 6:00am – 7:30pm
- Sunday, March 13: 6:30am – 12:00pm

Abstract Publication
All abstracts being presented at the 2016 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 11: 4:00pm – 7:30pm
- Saturday, March 12: 7:00am – 7:30pm
- Sunday, March 13: 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 discounts 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:
- Young investigators need to increase their competence and performance in presenting their research in a structured yet relaxed atmosphere.
- Regional clinicians need to increase their competence in evaluating and designing strategies to incorporate cutting edge clinical and basic science into practice.
- 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.

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 and policies 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 and the Eastern Society for Pediatric Research designates this live activity for a maximum of 12 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 because of 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 Eastern Society for Pediatric Research 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 Friday, April 22, 2016. If you do not receive it by then, please notify Tulane University at cme@tulane.edu.
## Eastern SPR Schedule-at-a-Glance

### FRIDAY, MARCH 11

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 6:00pm – 7:30pm | Poster Session I  
Opening Reception  
Ormandy Ballroom – 1st Floor |

### SATURDAY, MARCH 12

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 7:00am – 8:00am | Continental Breakfast  
Ormandy Ballroom – 1st Floor  
Poster Session II  
Ormandy Ballroom – 1st Floor |
| 8:00am – 9:30am | Emergency Medicine I  
Concerto A/B – 3rd Floor  
General Pediatrics I  
Maestro A – 4th Floor  
Neonatal Neurology I  
Overture – 3rd Floor  
Human Milk / Breastfeeding  
Aria A/B – 3rd Floor  
Infectious Disease I  
Minuet – 4th Floor  
Pulmonology  
Maestro B – 4th Floor  
Adolescent Medicine  
Rhapsody – 4th Floor |
| 9:30am – 9:45am | Coffee Break  
Ormandy Ballroom Foyer – 1st Floor |
| 9:45am – 11:15am | Critical Care  
Maestro A – 4th Floor  
Neonatology – Quality Improvement  
Maestro B – 4th Floor  
Neonatology – Pulmonary/Ventilation  
Overture – 3rd Floor  
Neonatology – Necrotizing Enterocolitis  
Aria A/B – 3rd Floor  
Emergency Medicine II  
Concerto A/B – 3rd Floor  
Education/Epidemiology  
Rhapsody – 4th Floor  
Allergy/Immunology & Nephrology  
Minuet – 4th Floor |
| 11:30am – 12:30pm | Plenary Session I  
PLENARY LECTURE  
Renee Reijo Pera, MD  
Timing in Human Embryo  
Development: Species specific sequences and disease  
Symphony Ballroom – 3rd Floor |
| 12:40pm – 1:40pm | Fellows’ Clinical Case  
Presentation Competition  
Symphony Ballroom – 3rd Floor  
Eastern SPR Business Meeting  
Rhapsody – 4th Floor |
| 1:45pm – 4:15pm | Plenary Session II  
MENTOR OF THE YEAR  
Satyan Lakshminrusimha, MD  
A Picture Is Worth A Thousand Words  
Symphony Ballroom – 3rd Floor  
YOUNG INVESTIGATOR AWARD - TRAINEE  
(2:30pm–3:15pm)  
Symphony Ballroom – 3rd Floor  
Coffee Break  
(3:15pm–3:30pm)  
Ormandy Ballroom Foyer – 1st Floor  
YOUNG INVESTIGATOR AWARD - FACULTY  
(3:30pm–4:15pm)  
Symphony Ballroom – 3rd Floor |
| 4:30pm – 6:00pm | Developmental Biology  
Minuet – 4th Floor  
Neonatology – Potpourri  
Overture – 3rd Floor  
Obesity  
Rhapsody – 4th Floor  
Neonatology – Infectious Disease  
Aria A/B – 3rd Floor  
General Pediatrics II  
Concerto A/B – 3rd Floor  
Neurology  
Maestro A – 4th Floor  
Gastroenterology/Bilirubin  
Maestro B – 4th Floor |
| 6:00pm – 7:30pm | Poster Session III & Reception  
Ormandy Ballroom – 1st Floor |

### SUNDAY, MARCH 13

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 7:30am – 9:00am | Continental Breakfast  
Ormandy Ballroom – 1st Floor  
Poster Session IV  
Ormandy Ballroom – 1st Floor |
| 9:00am – 10:15am | Plenary Session III  
Symphony Ballroom – 3rd Floor  
PRESENTATION OF THE YOUNG INVESTIGATOR AWARDS  
(9:00am – 9:15am)  
Symphony Ballroom – 3rd Floor  
THE GREAT DEBATE  
(9:15am – 10:15am)  
Dr. Margaret Moon and Dr. Steven Goldstein  
Is It Ethical For Pediatricians To Refuse To Create Initial Patient Relationships With Children Whose Parents Refuse Vaccinations  
Symphony Ballroom – 3rd Floor |
| 10:15am–10:30am | Coffee Break  
Ormandy Ballroom Foyer – 1st Floor |
| 10:30am – 12:30pm | Developmental/Behavioral Pediatrics  
Rhapsody – 4th Floor  
Hematology/Oncology/Immunology  
Minuet – 4th Floor  
Cardiology  
Maestro A – 4th Floor  
Emergency Medicine III  
Concerto A/B – 3rd Floor  
Endocrinology  
Maestro B – 4th Floor  
Neonatal Neurology II  
Aria A/B – 3rd Floor  
Pulmonary Therapeutics  
Overture – 3rd Floor |

---

All 2016 ESPR Abstracts are available on the ESPR website.

---

2016 ESPR Annual Meeting | 5
Friday, March 11
Poster Session I: Adolescent Medicine/Allergy/Epidemiology/General Pediatrics/Hematology-Oncology/Infectious Disease/Neonatology
6:00pm-7:30pm —— Ormandy

1. Does Proximity Drive Visits? Using Real-Time GPS Data to Understand Youth Access and Patronage of Food Establishments
   Nina Schrager, Tracy K. Richmond. —— Abstract 1

2. Acceptance of Routine HIV Testing by Hospitalized Adolescents and Young Adults
   Anvi M. Bhalakia, Elissa Gross, Dana Watnick, Lindsay DuBois, Risa Rochner, Guerin Gagliastri, Kim Sorace, Donna Futterman, Jaeun Choi, Hina J. Talib. —— Abstract 2

3. The Impact of Health Related Quality of Life on Longitudinal Weight Gain in Youth: Does Weight Perception Play a Role?
   Katelyn Enzer, Kendrin Sonneville, Carly Milliren, Idia Thurston, Tracy K. Richmond. —— Abstract 3

4. Knowledge of Sport-Related Concussion Among Urban Adolescents
   Dev Master, Ashley Hiza, Lily Q. Lev, Susana Rapaport. —— Abstract 4

5. Innovation in Adolescent Preventative Healthcare: Piloting 'Teen Checkup Days'
   Batal Kaj, Jinsy Jacob, Susan Leib, Cynthia DeLago, Matilde Irigoyen. —— Abstract 5

6. Alcohol Screening Practices among School Nurses in Massachusetts
   Dylan J. Kaye, Julie Lunstead, Elissa R. Weitzman, Sharon Levy. —— Abstract 6

7. Mindfulness-Based Stress Reduction (MBSR) for Adolescents with Medically-Unexplained Symptoms

8. Improving Pediatric Clinical Research Through Collaboration With Young Persons’ Advisory Groups
   Nicholas M. Frederico, Vivian W.L. Tsang, Hadleigh G. Thompson, Siddhant Srivastava, Julia N. Stimpfl, Chaz Thompson, Charles A. Thompson, Sharon R. Smith. —— Abstract 8

9. Patch Testing in Pediatric Patients with Atopic Disease
   Irum Noor, Melanie Chong, Marcella Aquino, Luc Fonacier. —— Abstract 9

10. Pediatric Resident Awareness of Anaphylaxis and Epinephrine Auto-Injector Demonstrations
    Rebecca Berger, Rebecca Koransky, Manish Ramesh. —— Abstract 10

11. Mood Disorder Prevalence in a Multi-Ethnic Urban Pediatric Lupus Cohort

12. Transitioning Lupus Patients from Pediatric to Adult Rheumatology

13. IL-21 Levels Do Not Distinguish Children Presenting With Kawasaki Disease from Other Febrile Children
    Rachel Engelberg, Meghan Martin, Haimuddin Sojar, Mark D. Hicar. —— Abstract 13

14. Peanut-Containing Products in Children’s Hospitals: Putting Pediatric Patients at Risk
    Laura Fletcher, Tammy Pham, Maguire Herriman, Bridget Kiely, Rath Milanik. —— Abstract 14

15. Joint Effects of Ambient PM2.5 Exposure and Maternal Pre-Pregnancy Obesity on Childhood Overweight or Obesity in the Boston Birth Cohort
    Rebecca M. Nachman, Guangyuan Mao, Xiyin Yang, Zha Chen, Xiuxi Hong, Guoying Wang, Deanna Caruso, Colleen Pearson, Shyun Biswal, Kirsten Koehler, Barry Zuckerman, Marsha Wills-Karp, Xiaobin Wang. —— Abstract 15

16. Accuracy of Parental Reported Weights and Heights at 12 Months of Age as Estimates of Weight-for-Length Percentiles
    Sahel Hazrati, Sachitra Hourigan, Kathi Huddleston, John Niederhuber. —— Abstract 16

17. Pediatric Readmissions at an Inner City Safety-Net Hospital
    Khyzer Aziz, Noe D. Romo, Kenneth Rivlin, Steven Askanase. —— Abstract 17

18. Predictors of Asthma Medication Adherence and its Relationship to Asthma Control
    Aparna C. Yadatore, Alyson W. Smith, Uri Belkind, Paulo R. Pina, David H. Rubin. —— Abstract 18

19. Caring for the NICU Graduate: A Primary Care Needs Assessment
    Elizabeth Enlow, Annie Giaccone, Lori Christ, Scott A. Lorch. —— Abstract 19

20. The Role of Medical Complexity in Health Related Quality of Life (HRQOL) for Children and Youth with Special Healthcare Needs (CYSHN)
    Matthew B. McDonald, Christina Ott, Juliana Romano, Stacy McDonald, Alexander Krengel, Christopher Haines. —— Abstract 20

21. The Safety of High Flow Nasal Cannula in the General Inpatient Setting for Infants With Bronchiolitis
    Nina M. Duddles, Nora E. Esteban-Cruciani, Asama Khan, Yi Shi, Kevin J. McKenna, Gabriella Azzarone, Larissa Gabelman, William N. Southern. —— Abstract 21

22. The Value of Blood Culture Utilization and Factors Associated With Diagnosis of Bacteremia in Pediatric Population
    Srividya Naganathan, Sandy Aikara, Harman Chawla, Arwina Bal, Anna Petrova. —— Abstract 22

23. Rapid Respiratory Panel Testing With and Without Mycoplasma Assessment and Its Effect on Azithromycin Usage in Patients Admitted with Status Asthmaticus
    Rachel Zhang, Yiting Tan, MeiQian Ma, Nancy Palumbo, Stephen Barone. —— Abstract 23

24. Breastfeeding and Later ADHD: Are There Dose Effects or a Continuum of Benefit in Babies Who Are Also Formula Fed
    Derek Soled, Lisa Rosen, Andrew Adesman. —— Abstract 24

25. Time for Your Check Up: The Impact of Vaccine Refusal on the Frequency of Physician Office Visits
    Melissa U. Jones, Kenneth L. Cameron, Cassandra G. Carter. —— Abstract 25

26. Promoting Healthy Active Living for the Children of Teen Parents
    Kymberly M. Gonzalez, Miranda J. Lafft, Mary F. Jarcy, Nancy R. Kelly. —— Abstract 26

27. Who’s to Blame? Physician Misperceptions of Childhood Obesity as a Barrier to Weight Management
    Ceean Philosphe, Mary Mehlman. —— Abstract 27

    Ros Daleo, Lori Ahldieh. —— Abstract 28

29. Health Information Preferences in Pediatric Primary Care
    Amy Hersh, Ilan Sharif. —— Abstract 29

30. Eduwait: Talk, Sing, Read, Play, Screen!
    Sehera A. Himani, Dina J. Lievers, Melissa Passarelli, David Fagan. —— Abstract 30
### Abstracts

<table>
<thead>
<tr>
<th>Abstract</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>Reducing Readmissions by Improving Communication at Transitions of Care</td>
<td>Ulka T. Kothis, Alena Connolly, Cristina Mendes</td>
</tr>
<tr>
<td>32</td>
<td>Reducing Asthma Re-Admissions: Inpatient Community Health Worker Support</td>
<td>Iman Sharif, Denise Fuller, Erin Carroll, Alisa Haushalter</td>
</tr>
<tr>
<td>33</td>
<td>Improving Home Medication Collection in the Pediatric In-Patient Unit through House Staff Engagement: An Initial Step in Prevention of Adverse Drug Events</td>
<td>Marc G. Sycip, Gary Mak, Renee Barlev, Arsenia Asuncion, Lyn Quintos-Alagheband</td>
</tr>
<tr>
<td>35</td>
<td>Improving Adherence By Families to Pediatric Clinical Care Recommendations Using a Community Health Worker (CHW) Intervention with the Pediatric Medical Home</td>
<td>Sarah P. Justvig, Justine Li, Giuseppina Caravella, Minqin Chen, Lisa A. Benz, Scott, Susmita Pari</td>
</tr>
<tr>
<td>36</td>
<td>Patient Perspectives on the Transition from Pediatric to Adult Primary Care</td>
<td>Grace Fischer, Maxine Ames, MarieCecilPapililal</td>
</tr>
<tr>
<td>37</td>
<td>Variation in Neonate Swaddling Techniques in Hospitals</td>
<td>Laura Fletcher, Tammy B. Pham, Sari Bar, Diana Li, Helen Papaoianou, Regina Spinnazola, Ruth L. Milanaik</td>
</tr>
<tr>
<td>38</td>
<td>Psychosocial Risk Factors Influencing Level of Asthma Control in Children with Persistent Asthma</td>
<td>Ana S. Hernandez, Alyson W. Smith, Paulo Pina, David H. Rubin</td>
</tr>
<tr>
<td>40</td>
<td>Use of Language Services for Telephone Advice By Limited English Proficiency Families in a Pediatric Primary Care Setting</td>
<td>Delma- Jean Watts, Nizar Dowla, Priya Hirway, Maurice Hajjar, Shuba Kamath</td>
</tr>
<tr>
<td>41</td>
<td>Impact of Adherence to Community Integrated Management of Childhood Illnesses (C-MICI) Community and Family Practices on Child Morbidity in La Romana, Dominican Republic</td>
<td>Omolora T. Uwedmedino, Abdul Quadri, Berlinda Olivier, Afrin Howlader, Gisella Pierret</td>
</tr>
<tr>
<td>42</td>
<td>Chew on This: Not All Products Labeled First Finger Foods Are Created Equal</td>
<td>Nicol R. Awadallah, Tammy B. Pham, Ruth L. Milanaik</td>
</tr>
<tr>
<td>43</td>
<td>Use of an Organic Food Provider Improves Purchase of Produce Boxes at Urban Tertiary Care Hospital</td>
<td>William J. Woodall, Katie Tran, Natasha Bigwe, Bruce A. Bernstein, Hans B. Kersten</td>
</tr>
<tr>
<td>45</td>
<td>Providers’ Practices and Perceptions about Primary Care Delivery for Newly Arrived Foreign-Born Patients at an Academic Primary Care Center</td>
<td>Elyse Portillo, Bianca Quinones-Perez, Alexandra Epee-Bounya, Kim Wilson</td>
</tr>
<tr>
<td>46</td>
<td>Effects of Preconception Counseling in Pediatrics on Maternal Substance Use Behavior: Results of a Randomized Trial</td>
<td>Nymisha Chilakuri, Krishna Upadhyay, Kamila Mistry, Kevin Psoter, Tina L. Cheng</td>
</tr>
<tr>
<td>47</td>
<td>A Child Contextual Index to Study Childhood Obesity</td>
<td>Delfin Iglesias, Evan Sommer, Nina Martin, William Heerman, Shari Barkin</td>
</tr>
<tr>
<td>48</td>
<td>Assessing the Impact of Nursery Hospital Program</td>
<td>Dorothy Chu, Meredith Krevitsky, Vanessa Baptiste, Nancy Palumbo, Jennifer Kousy, Maria D’Iorio</td>
</tr>
<tr>
<td>49</td>
<td>Rooming-In: Do Our Patients Want It?</td>
<td>Gregory Kenny, Mera Goodman, Jennifer Kousy, Maria D’Iorio.</td>
</tr>
<tr>
<td>50</td>
<td>Early Complications Associated with Elective Circumcision in Healthy Newborns in Two Urban Community Teaching Hospitals</td>
<td>Andrea Heras, Victoria Vallejo, Marcela Pineda, Sibat Khwaja, Lourdes Cohen, Allan Jacobso</td>
</tr>
<tr>
<td>51</td>
<td>Rapid Adjustment of Decision Support in Response to Updated Recommendations for Palivizumab Eligibility</td>
<td>Jeremy Michel, Levon Utidjian, Dean Karavite, Annique Hogan, Robert Grundmeier</td>
</tr>
<tr>
<td>52</td>
<td>Lack of Parental Adherence to AAP Safety Guidelines: Poor Recollection of Anticipatory Guidance By Physicians</td>
<td>Tasnim Ahmed, Tammy Pham, Chelsey Clark, Chuck Ng, Ruth Milanaik</td>
</tr>
<tr>
<td>54</td>
<td>Relationship between Obstructive Sleep Apnea and Sleep Bruxism in Children</td>
<td>Conals Liwag, Erickson Daniel, Paulo Pina, David Rubin.</td>
</tr>
<tr>
<td>55</td>
<td>Effect of Treatment of Sickle Cell Disease on PICA</td>
<td>Madhavi Lakkaraju, Dyadin Esharif, Lakshmi P. Nulu, Padmaravni Ekambage, Mario Peichay, Kusum Viswanathan</td>
</tr>
<tr>
<td>57</td>
<td>Characterization of Mycoplasma Pneumoniae Associated Complicated Pneumonia in a Pediatric Population</td>
<td>Aaron G.S. St-Laurent, Joseph Ting, Tatiana Sotindjo, Ashley D. Roberts</td>
</tr>
<tr>
<td>58</td>
<td>Management of Tinea Capitis in Children Less Than 2 Years of Age in the Greater Philadelphia Area</td>
<td>Magdalena Kazmierczak, Hilda Kabali, Susan Leib.</td>
</tr>
<tr>
<td>59</td>
<td>High Proportion of Kingella Septic Arthritis in Ultra-Orthodox Children &lt; 4 Years of Age</td>
<td>Joselito Sanchez, Henry Pollack.</td>
</tr>
<tr>
<td>60</td>
<td>Methodology and Provider Attitudes to Context-Based Development of an ART Adherence Measurement Tool for HIV+ Adolescents and Adults in La Romana, Dominican Republic</td>
<td>Stella M. Savarimuthu, Wendy Galvez, Mina Halpern, Leonel Lebeours-Nadul, Omolora T. Uwedmedino</td>
</tr>
<tr>
<td>61</td>
<td>Infection Prevention Strategies Impact on Reduction of MRSA and Nosocomial Infection in the NICU</td>
<td>Tazuddin A. Mohammed, Michele Fleming, Jose Munoz, Russell Moore, Sharon Cone, Jie Xu, Karen Hendricks-Munoz</td>
</tr>
</tbody>
</table>

Friday, March 11
**Abstract 62**

**High Sensitivity C-Reactive Protein (hsCRP) Levels in Long-Term Survivors of Perinatal HIV Infection**

Karishma K. Kancherla, Sheila K. Kalyanam, Nina Desai. —— Abstract 62

**Abstract 63**

**Relationship Between Clinical Outcome, Disease Severity and Quality of Antibiotic Management in Pediatric Pateints With Bacteremia**

Daniel Segol, Ghusai Abd El Gadir, Stephan Kohlhoff. —— Abstract 63

**Abstract 64**

**Neonatal Vaccine-Strain Varicella-Zoster Infection 27 Days after Maternal Post-Partum Vaccination**

Lybil B. Mendoza Alvarez, Brinda Doraiswamy, Aniruddh Setya, David Fagan, Vineet Lamba. —— Abstract 64

**Abstract 65**

**Improving Antibiotic Stewardship in the Outpatient Setting at the Einstein Pediatric Ambulatory and Adolescent Center**

Andrea T. Zivot, Mayssa Abuali, Samia Aleem, Francisco Gonzalez-Salazar, Leonard Brainman. —— Abstract 65

**Abstract 66**

**24/7 In-House Neonatology Attending Coverage: Is It All About Better Patient Care?**

Vikramaditya Dumpy, Indira Avalakunta, Praisee Chandrasekharan, Sandra Carlo, Satyan Lakshminrusimha. —— Abstract 66

**Abstract 67**

**Outcome Differences in Neonatal Abstinence Syndrome Managed in the NICU Versus Pediatric Floor**

Amy L. Limbeck, Deborah J. Tuttle, Robert Locke, Pamela Jimenez, Amy B. Mackley, David A. Paul. —— Abstract 67

**Abstract 68**

**Trends in Morbidity and Mortality of Small-For-Gestational-Age (SGA) Infants By Gestational Age**

Laura H. Rubinos, Molly Passarella, Scott A. Lorch. —— Abstract 68

**Abstract 69**

**Are We Dealing With Too Many Abnormal Newborn Screenings in the NICU: Further Changes May Be Necessary in State’s Newborn Screening Program Cut-Off Values for Premature and/or Sick Babies**

Anna Zielak, Sensa Gogcu, Edmund F. LeGamma, Necla Kudrick. —— Abstract 69

**Abstract 70**

**Life Around NICU Discharge from the Perspective of Low Socioeconomic Status Mothers of Premature Infants**

Elizabeth Elnow, Laura J. Faherty, Sara Wallace-Keesen, Ashley E. Martin, Judy A. Shei, Scott A. Lorch. —— Abstract 70

**Abstract 71**

**Mindfulness Based Training Among Parents with Preterm Neonates in the Neonatal Intensive Care Unit (NICU)**

Alyssa Marshall, Ursula Guilen, Robert Locke, Amy Mackley, Wendy Sturtz. —— Abstract 71

**Abstract 72**

**Fetal Toxic Metal Exposure from Intrathecal Blood Transfusion**

Alison J. Falc’h, Faeg Al-Mudaress, Cynthia F. Bearer, Stephen A. Contag, Garrett Fitzgerald, Prince A.K. Kassim, Sriripya Sundararajan. —— Abstract 72

**Abstract 73**

**Blood Urea Nitrogen as a Marker of Protein Metabolism in Premature Infants**

Blair Germain, Ruth Snyder, John Ludino. —— Abstract 73

**Abstract 74**

**The Use of Body Fat Measurements to Assess Post Natal Growth in NAS Infants**

Michael Pollaro, Melissa Rader, Ruth Snyder, Anne Herdt, Amy Presti. —— Abstract 74

**Abstract 75**

**Impact of a Standardized Nutrition Protocol in Lean Mass Growth in VLBW Infants**

Ruth Snyder, Kathryn Crowley, Catherine Sawtell, Marta Rogido. —— Abstract 75

**Abstract 76**

**Growth Trends After Steroid Exposure in the NICU**

Sonia Shaltry, Kristin McKenna, Dala Taba, Ursula Navaw. —— Abstract 76

**Abstract 77**

**Rapid High Resolution MR Assessment of Intra-Abdominal Fat in Preterm Neonates**

Amanda C. Garfinkel, Jessica Mancuso, Jonathan P. Dyke, Arzu Kovankilaya, Alan M. Groves. —— Abstract 77

**Abstract 78**

**High Resolution Neonatal Whole Body Composition Quantitation Using 3T MRI**

Jonathan P. Dyke, Alan M. Groves, Amanda C. Garfinkel, Jessica Mancuso, Arzu Kovankilaya. —— Abstract 78

**Abstract 79**

**Does the Implementation of a Standardized Nutritional Protocol Improves Outcomes?**

Bettina George, Ruth Snyder, Marta Rogido. —— Abstract 79

**Abstract 80**

**Retrospective Analysis of Long Term Outcomes in Phase 1B Trial of rhCC10 in Premature Infants**

Aprile E. Pilon, Richard Paroud, Jonathan M. Davis. —— Abstract 80

**Abstract 81**

**Utility of Sepsis Risk Calculator in the Clinical Management of Infants of Mothers with Chorionamnionitis**

Saba Faranaz-Kabir, Shaina Lodhi, Rosemary Nunez-Davis, Samia Aleem, Marie Katrina Tan, Agnes Salvador. —— Abstract 81

**Abstract 82**

**Parents’ View of Research and Care in the NICU**

Katherine Gittmann, Steven Joffe, Elliott M. Weiss. —— Abstract 82

**Abstract 83**

**Heart Rate Variability Interactions between Mother-Infant Dyads During Kangaroo Care**

Sarah E. Pearce, Donald Pfaff, Lisa Eilander, Robert Green, Ian Holzman. —— Abstract 83

**Abstract 84**

**Relationship Between NIRS Brain and Somatic StO2 vs Vital Sign Parameters of NICU Patients**

Beri Massa-Buck, Virginia Amendola, Khodayar Rais-Behrami. —— Abstract 84

**Saturday, March 12**

**Poster Session II:**

**Nephrology/Palliative Care/Pharmacology/Pulmonology/Neonatology**

7:00am-8:00am Ormandy

**Abstract 1**

**Long Term Outcomes of Nephrotic Syndrome, from Childhood into Adulthood**

Rebecca Hjeroten, Frederick Kaskel, Kimberly Reidy. —— Abstract 85

**Abstract 2**

**Urinary Neutrophil Gelatinase Associated Lipocalin and Acute Kidney Injury in Very Preterm Infants**

Rani K. Thakumparampil, Caroline Straatmann, Frederick Kaskel, Kimberly Reidy, Mannu Faloria. —— Abstract 86

**Abstract 3**

**Importance of Kidney Length in Children Evaluated for Hypertension**

Natalie L. Rosenwasser, Katarina Sape-Markovina, Robert P. Woroniecki. —— Abstract 87

**Abstract 4**

**Pilot Study Measuring Hepcidin and Arterial Stiffness in Children With SLE and Lupus Nephritis**

Sarah Joo, Sangeeta Sule, Meredith Atkinson. —— Abstract 88

**Abstract 5**

**Examination of Serum MicroRNAs as Biomarkers for Obesity and Hypertension in Children**

Scott Saint-Amour, Santosh K. Patnaik, Eric Kannisto, Sudha Garimella. —— Abstract 89

**Abstract 6**

**Medical Counseling Is Not Associated with Improved Lifestyle Behaviors among Hypertensive Children**

Katerina R. Kaczmarzki, Bobbie Henry, Edgar R. Miller, Tammy M. Brady. —— Abstract 90

**Abstract 7**

**Education in Pediatric Palliative Care: Attitudes, Comfort, and Interest at One Children’s Hospital**

Hatal Kraushaar, Katelyn Donohue, Getachew Teshome, Linda Lewin. —— Abstract 91

**Abstract 8**

**Death During Simulation: Is Auto-Feedback Accurate Compared to Providers’ or Parents’ Evaluations?**

9 Pattern of Caspase-3 Enzyme Activation After Hypoxia in the Piglet Brain
Tracey Harris, Shadi Malaeb, Aarthi Gunasekaran, John Grothussen, Amit Jain, Maria Delivoria-Papadoyopoulo. Abstract 93

10 Phases of Apoptosis After Hypoxia in the Newborn Piglet Brain
Kashish Mehra, Shadi Malaeb, Sam Ajayi, Panagiotis Kraitiminos, Jessica Bannon, Maria Delivoria-Papadoyopoulo. Abstract 94

11 Parental Perceptions of Medical Marijuana in an Urban Children's Medical Center
Michael W. Powell, Pavan K. Anant, Morgan E. Smith, Christine H. Mubey, Sharon R. Smith. Abstract 95

12 Ethanol Pharmacokinetics in Neonates Secondary to Medication Administration
Elizabeth Marek, Susan Adeniyi-Jones, Lindsey Roke, Tara DeCerbo, Rebecca Cordell, Paul Monks, Walter Kraft. Abstract 96

13 Tissue Oxygen Saturation by Non-Invasive Resonance Raman Spectroscopy in Healthy Neonates
Tazuddin Azmi Mohammed, Russell Moore, Padruc Romf, Henry J. Rozek. Abstract 97

14 Risk Factors Predicting the Need for Admission to Pediatric Intensive Care in Childhood Asthma

15 Controller Therapy in Children with Asthma Presenting to the Pediatric Emergency Department
Munish Kumar, Tian Liang, Darshun Patel, Allen J. Dozor, Sankaran Krishnan. Abstract 99

16 WITHDRAWN

17 Glucose Dysregulation and Bacterial Infection in Neonates
Vidya V. Pai, Vijay Srinivasan, Adriana Perez, Robert W. Grundmeier, Mary C. Harris. Abstract 101

18 Enhanced TNF-Alpha Expression in Preterm Infant Lymphocytes
Shamley Sijain, Bavi Misra, Heidi Hayek, Laurie Steiner, Tom Mariani, Kristin Scheible, Gloria Pryhuber. Abstract 102

19 Duration of Antibiotics in Infants (35 Weeks) Exposed to Chorioamnionitis: Have Revisions to Treatment Guidelines Changed Length of Therapy?
Mansi S. Vasconcellos, Courtney Kiser, Zubair H. Aghai. Abstract 103

20 Gene Expression Profiling in Diagnosis of Neonatal Sepsis
L. Srinivasan, D.J. Watson, Z. Zhang, E. Rappaport, M.C. Harris. Abstract 104

21 Trends in Chlorhexidine Use in the Neonatal Intensive Care Unit: Results from a Follow-Up National Survey
Julia Johnson, Pranita D. Tamma, Rebecca Bruckan, Susan W. Aucott, Cynthia F. Bearer, Aaron M. Milstone. Abstract 105

22 Diagnostic Dilemma: The Asymptomatic Neonate With Maternal Chorioamnionitis
Sadaf H. Kazmi, Sean M. Bailey, Heather B. Howell, Minh-Thu T. Tran, Megan Reyes-Wung, Pradeep V. Mally. Abstract 106

23 Antibiotic Use in the NICU: Do Comorbidities Matter?

24 Diagnostic Test Accuracy of Serum Procalcitonin for Bacterial Sepsis in Infants: A Systematic Review and Meta-Analysis

25 Outcomes of Neonates with Herpes Simplex Virus (HSV) Sepsis Supported with Extracorporeal Membrane Oxygenation (ECMO)
Sundeep K. Sukashiv, Deepthi Alapati, Daniel R. Dirnberger, Mark T. Ogino. Abstract 109

26 The Natural History of Children With Agammaglobulinemia and Hypogammaglobulinemia: Baseline Features of Patients Enrolled in the United States Immunodeficiency Network (USIDNET) Registry
Albert O. Antonio, Marla L. Goldsmith, Cristina P. Sison, Artemio M. Jongco. Abstract 110

27 Risk Factors Associated With CLABSI in Critically Ill Neonates
Katherine Gutmann, Kelley Kovats, Kristin McKenna, Kevin Dysart, Ursula Nawab. Abstract 111

28 C-Reactive Protein Level and White Blood Cell Indices: Useful Predictors of Meningitis in Culture Negative Early Onset Neonatal Sepsis?
Shaino Lodhi, Anastasia Mikono, Sonia Mehra, Fredrick Dapaah-Siakwan, Gail Cameron. Abstract 112

29 Achieving Zero Central Line Associated Blood Stream Infection Rate Through a Series of Quality Initiatives-A 7 Year Experience
Ali M. Naddor, Madhu B. Gadavalli, Pamod Narula. Abstract 113

30 Evidence for the Involvement of Fibroblast Growth Factor 10 in Response to Hyperoxia in an Experimental Model of Bronchopulmonary Dysplasia

31 Genetic variation of SMAD super family 1 (SMAD1) is associated with development of BPD in ELBW infants through modifications of the highly conserved Wingless int (Wnt) pathway
Leeven J. Hsu, Asma Zylak, Asma Amin, Alex Feldman, Umesh Paudel, Lance A. Parton. Abstract 115

32 Effect of Meconium on Human Amniotic Fluid Stem Cell Differentiation into Distal Lung Type Cells
Jessica E. Shui, Todd Jensen, Christine Finck. Abstract 116

33 Effects of Exogenous Antioxidants on Biomarkers of Inflammation in the Neonatal Rat Lungs
Johanna M. Calo, Charles L. Cai, Michelle Quan, Taimar Ahmad, Jacob Aranda, Kay D. Beharry. Abstract 117

34 Genetic Variations of TGF - Are Associated with Bronchopulmonary Dysplasia in Extremely Low Birth Weight Infants
Morgan C. Saltou, Asma Amin, Umesh Paudel, Lance A. Parton. Abstract 118

35 Effect of Growth Velocity After Neonatal Intensive Care Unit Discharge on Respiratory Outcomes of Former Preterm Infants
Christina M. Freiberger, Taylor A. Compton, Jadlyn I. Davis, Lawrence M. Rhein. Abstract 119

36 Correlation of Proteinuria, Hypertension and Respiratory Status in Preterm Children
Kayseyl M. Gaukler, Elizabeth M. Moran, Hannah B. Suchy, Leah M. Frain, Lawrence M. Rhein. Abstract 120

37 Exploring Near Infrared Spectroscopy Scores in Neonates by Birth Weight, Gestational Age, Day of Life, and Mean Blood Pressure
Stephanie M. Prescott. Abstract 121

38 Comparing Outcomes Based on Prenatal vs. Postnatal Diagnosis of Congenital Diaphragmatic Hernia
Allison Davidson, Yanfei Wang, Khodayar Rais-Bahrami. Abstract 122

39 Ambient Noise Production By High-Frequency Neonatal Ventilators
Justin R. Goldstein, Alyse M. Laliberte, Martin Kezler. Abstract 123
Abstract 155
Oxygen Saturation Limits for Very Low Birth Infants
Joanna C. Beachy, Yaron Fiviezen.

Abstract 156
Intrasanal Sedation During MRI in Infants: A Single Center Experience
Jherna Balany, Lynn Zeis, Shadi Malaeb, Archana Malik, Anja Mowes, Nicholas Obiri.

Abstract 157
Reducing the Incidence of Hypothermia and Hypoglycemia During Neonatal Transport
Suhasini Kaushal, Deborah A. Hoy.

Abstract 158
A Novel Slot Retractor for Frenotomy

Abstract 159
Standardizing Umbilical Catheterization in the NICU Using a Job Instruction Sheet
Waled Karwos, Steven K. Brady, Laura Biava, Yvette Coney, Deborah Quast, Pravash Mukherjee, David Oelberg, C.W. Gowen, Sandip Godambe.

Abstract 160
Changes in Early-Onset GBS Sepsis Evaluation Following a QI Project
Rosemary Nunez-Davis, Saba Faraznae-Kabir, Shaina Lodhi, Samia Aleem, Marie Katrina Tan, Agnes Salvador.

Abstract 161
Implementation of Cue-Based Feeding Scale in a Community Hospital NICU: A Pilot Quality Improvement Initiative
Jennifer Oshita, Uday Patil, Randi Wasserman.

Abstract 162
Potentially Better Practices Reduce Intraventricular Hemorrhage (IVH) in Infants < 30 Weeks
Jayson V. Lining, Christina A. Sollinger, Jeffrey M. Meyers.

Abstract 163
Implementation of Fluid Management Practices to Improve Growth for VLBW Infants

Abstract 164
Effect of Magnesium Level on Neonatal Outcomes Among Preterm Infants Who Received Antenatal Magnesium for Neuroprotection
Amanda Brown, Deepa Narasimhulu, Neha Egbert, Mary Rojas, Alok Bhatada, Shoshana Haberman, Shantau Rastogi.

Abstract 165
Effects of Post-Acute Care Inpatient Rehabilitation (PCAIR) on Inpatient Length of Stay (LOS) in Preterm Infants with GA <30 Weeks
Meenakshi Singh, Boriana Parvez, Agnes Banquet, Jordan S. Kase.

Abstract 166
Impact of ACOG Guidelines and NYSDOH initiatives on Preterm Birth Rates in Erie County, NY
Vkramaditya Dumpya, Gregory Young, Indirapriya Darshini Avalakanta, James Shelton, Satyan Lakshminrusimha.

Abstract 167
Neonatal Outcomes of Multiple Gestation Very-Low-Birth-Weights Infants Born After Assisted Fertility
Dustin D. Flanery, Kevin Dysart, Sara DeMauro, Elizabeth Foglia, Erik Jensen, Alison Cook, Jay Greenspan, Zabiha H. Agkai.

Abstract 168

Saturday, March 12
Platform Session
Adolescent Medicine
8:00am-9:30am—— Rhapsody
Moderator: Ruth Milanak

8:00am
Youth Aggressiveness/Delinquency: Association with Poor Parent Temperament Alone and in the Context of Other Parenting Styles
Alexandra Hua, Tammy B. Pham, Anne Shattuck, Andrew Adesman.

8:15am
The Relative Importance of Peer Networks and School Environments for Dieting Behaviors in Youth
Tracy Richmond, Carly Milliren, Kendrin Sonneville, Holly Gooding, Clare R. Evans.

8:30am
Parental Knowledge and Attitudes on HPV Vaccination in Male Adolescents
Katarzyna Maryniak, Paulo R. Pina, David H. Rubin.

8:45am
Patterns of Substance Use in Adolescents Presenting to Primary Care
Leah M. Downey, Kelly Serafini, Brandon Matsumiya, Carolyn McCarry, Laura P. Richardson.

9:00am
Attitudes Towards Guns and Violence in Children and Adolescents in Relationship with Acculturation, Exposure to Bullying, Gang Association, Depression and Perceived Nutritional Status
Harpavan S. Sandha, David Fagan, Krishan Kumar, Yash Shah, Fernanda E. Kupferman.

9:15am
Impact of a Medically Complex Patient Care Model on Cost and Utilization among Adolescents and Young Adults with Special Health Care Needs
Thomas W. Davis, Daniel Maeng.

Emergency Medicine I
8:00am-9:30am —— Concerto AB
Moderators: Hnin Khine, Joni Rabiner

8:00am
Secondary Imaging for Suspected Pediatric Appendicitis with Equivocal Ultrasound Results: MRI Versus CT
James F. Martin, David J. Mathison, Paul C. Mullan, Hansel Otero.

8:15am
Can Point-of-Care Elbow Ultrasoundography Reduce the Use of Radiography for Elbow Trauma in Children?

8:30am
Performing Point-Of-Care Ultrasound (POCUS) Can Reduce Pain and Number of X-Rays Performed on Young Children With Fractures
Mary E. Emborsky, Tara Petroski, Kanul Chadha, Brian Wrotniak, Haiping Qiao.

8:45am
Management of Intussusception: Reduction Type and Recurrence Rates
Andrea T. Vo, David L. Goldman, Hnin Khine.

9:00am
"Do You See What I See?:” Evaluating the Fundus With a Retinal Camera By Pediatric Emergency Medicine (PEM) Providers

9:15am
The Pediatric Emergency Care Applied Research Network Guidelines for Head CT Use in Pediatric Head Trauma: Adherence to Guidelines and Factors Influencing It
Vinnet Lamba, Joshua Fogel, Sena Cantas-Osdenmir, Lambros D.G. Angus, Krishan Kumar, David Fagan, Brinda Doraivamw.

General Pediatrics I
8:00am-9:30am —— Maestro A
Moderators: Kirsten Bechtel

8:00am
Impact of English Proficiency on Asthma Outcomes in Hospitalized Children
Pratichi K. Goenka, Zachary Klein, Kevin D. Musick.
Saturday, March 12

8:15am
Validation of an Asthma Medication Barrier Scale

8:30am
Impact of a Physician-Led Multidisciplinary Home Visiting Program on Children With Asthma

8:45am
Total Asthma Cost Analysis and Return on Investment Using Claims Data from a Medicaid Managed Care Organization
Elizabeth R. Woods, Susan J. Sommer, Judith F. Giller-Leinwold, Mary Thao, Shari Nethersole, Urmila Bhaimik.

9:00am
Community-Based Assessment of Influenza Vaccination and Temporally-Related Incidence of Acute Respiratory Infections
Sharos Rokin, Haonui Jia, Celibell Vargas, Xaritza Castellanos de Bellard, Carrie Reed, Philip LaRussa, Elaine L. Larson, Lisa Saiman, Melissa S. Stockwell.

9:15am
The Relative Contributions of Adverse Childhood Experiences and Healthy Environments to Child Flourishing
Iman Sharif, Dana Thompson, Alleen Fink.

9:00am-9:30am ——— Aria AB

Human Milk/Breastfeeding

8:00am
Implementation of Standardized Feeding Guidelines for 34 Week Infants Increases Rates of an Exclusive Breast Milk Diet on Discharge
Laura H. Rubinos, Laura Carpenter, Traci Fauerbach, Lori Christ.

8:15am
Breastfeeding Quality Improvement in Hospitals (BDQH) Significantly Improves Exclusive Breastfeeding in a Community Hospital
Yogani Malhotra, Sheri Nemirofsky, Lillian Gonzalez, Barbara A. Dennison, Celia Bertuczi, Sahas Nafady.

8:30am
Effect of Milk Maturation on Breast Milk Immune-Modulators in Preterm Human Milk
A. Navay, A. Vinci, M. Botros, M. Bustoros, E. Garzenda, X. Lin, N. Hanna.

8:45am
The Microbiota of Human Milk Relative to Macronutrient Content
Maushami Assad, Jennifer Trzaski, Melissa J. Caimano, Joerg Graf, Adam P. Matson, Elizabeth A. Brownell.

9:00am
Provider Perspectives on the Nature of Breastfeeding Support During Prenatal Care for African American Women
Ekene Ojukwu, Jennifer A. Callaghan-Koru, Jessica Bienstock, Azadeh Farzin.

9:15am
Does Human Milk Fortifier Affect Intestinal Inflammation in Very Low Birth Weight (VLBW) Infants?
Harshil Doshi, Champa Copidlpy, Shachee P. Pandya, Richard Schanler.

8:00am
A Natural History of Pediatric HIV: 30 Years into the Pandemic
Donna Tyanga, Sharon Vuppula, Aditya Kaul, Sulachni Chandwani, Wm. Borkowski.

8:15am
Thirty-Month Assessment of the Neonatal Pertussis Prevention Act on Whooping Cough Rates in New York State
Sheul I. Shah, Heather L. Brumberg.

8:30am
Extended-Spectrum - Lactamase-Producing Enterobacteriaceae in Pediatrics
Jonathan Strysko, Vidya Monty, Jeremiah Cleveland, Hanna Siddiqui, Christina Gagliardo.

9:00am
Inhibition of NF-κB in Microglia Downregulates Macrophage Migration Inhibiting Factor and Improves Neurodevelopmental Outcome in Periventricular Leukomalacia (PVL)
Vinisha Singh, Nihal Zaghbool, Mohamed Ahmed.

9:15am
Troponin T as a Predictor of Short Term Outcomes in Infants with Hypoxic-Ischemic Encephalopathy
David Carola, Kathleen S. Schwanhauer, Dustin D. Flannery, Michael Favara, Zabair H. Aghai.

8:00am-9:30am ———- Overture

Neonatal Neurology I

8:00am
Regulatory Effect of Src Kinase on Cytochrome C Following Hypoxia in the Neuronal Cytosolic Fraction of Newborn Piglets Brain
Parasigiotis Kramimenos, Ioannis Rouwendis, Anja Mowes, Amit Jain, Shadi Malaeb, Maria Delivorias-Papadopoulos.

8:15am
Inhibition of NF-κB in Microglia Downregulates Macrophage Migration Inhibiting Factor and Improves Neurodevelopmental Outcome in Periventricular Leukomalacia (PVL)
Vinisha Singh, Nihal Zaghbool, Mohamed Ahmed.

8:30am
Decreasing IL-4 Improves Myelination in Intrathecal Growth Restriction (IUGR) Rat Brain
Allison E. Zanno, Micah A. Romer, Lane Jaekle Santos, Judith Grinspan, Rebecca Simmons.

8:45am
Pattern of Brain Injury and Depressed Heart Rate Variability in Newborns With Hypoxic-Ischemic Encephalopathy (HIE)

9:15am
Predictive Value of aEEG Time to Normalization and Time to Cycling in Neonates with Hypoxic Ischemic Encephalopathy (HIE) Receiving Therapeutic Hypothermia (TH)
Pulmonology
8:00am-9:30am —— Maestro B
Moderator: Americo Esquibies

8:00am
A Purinergic P2Y5 Receptor Agonist Reduces Lung Inflammation in a Murine Asthma Model
Heber C. Nielsen, Anne Chetty, Azem Sharda, Rod Warburton, Chang Xue, Tianmeng Chen, John J. Castellon, Philip G. Haydon. —— Abstract 205

8:15am
Change in Pulmonary Function with Weight Gain in Minority Children with Asthma
Azadeh A. Issapour, Esther Matta, Jaemin Choi, Charles B. Hall, Deepa Rastogi. —— Abstract 206

8:30am
Energy Expenditure During Sleep & Quality of Life in Children With Cystic Fibrosis
Luís E. Ortiz, Shruti M. Paranjape. —— Abstract 207

8:45am
The Cessation of Asthma Controller Medications During the Summer Months in Children With Persistent Asthma
Monica H. Lee, Mona Sadeh, Scott A. Schroeder. —— Abstract 208

9:00am
Circadian Regulation of Lung Inflammation in Influenza A Infection
Shoa Sengupta, Jia Xue, Carolina B. Lopez, Garret A. FitzGerald. —— Abstract 209

9:15am
EC-SOD Can Prevent the Progression of Pulmonary Hypertension Induced By Hypoxia to Chronic Stages
Jorge M. Lopez Da Re, Hardik Patel, Kameshwar Ayyasola, Nahla Zaghloul, Kanta Ochani, Edmund Miller, Mohamed Ahmed, Nasim Mansoor. —— Abstract 210

Critical Care
9:45am-11:15am —— Maestro A
Moderator: Kevin Couloures

9:45am
Reliability and Validity of the Richmond Agitation and Sedation Scale (RASS) in Critically Ill Children
Rebecca DeMaria, Abigail G. Kerson, Elizabeth Maurer, Christine Joyce, Linda M. Gerber, Chani Traube. —— Abstract 217

10:00am
Randomized Controlled Trial of High Concentration Oxygen Versus Titrated Oxygen Therapy in Pediatric Asthma Exacerbation
Bhavi Patel, Hsin Khine, Aml Shah, Lewis Singer. —— Abstract 218

10:15am
Tracheal Intubation Associated Events Following Noninvasive Ventilation Failure
Christina K. Walsh, Josep M. Paniello, Akira Nishioka, Guillaume Emeriaud, John S. Giuliano. —— Abstract 219

10:30am
Examination of the TNF-GM-CSF Cytokine Axis as a Biomarker of Pulmonary Infection
E. Scott Halstead, Gavin R. Graff, Neal J. Thomas. —— Abstract 220

10:45am
24 Years of Ethics Consultation at a Children’s Hospital
Olivia M. Seecof, Iman Sharif, Jonathan M. Miller. —— Abstract 221

11:00am
Lung Rest During ECMO for Neonatal Respiratory Failure
D. Alapati, Z. Aghai, J. Hossain, D.R. Dinnberger, M.T. Ogino, T.H. Shaffer. —— Abstract 222

Education/Epidemiology
9:45am-11:15am —— Rhapsody
Moderator: Ronald Marino

9:45am
Interrelationship and Predictors of Fatal and Infant State Mortality: An Ecological Model
Kriti Yadav, Dana Thompson, David Paul, Edward J. Gracely, Robert Locke. —— Abstract 223

10:00am
Face-to-Face and Cyber Victimization Differently Associated with Parenting Style
Alexandra Hua, Tammy B. Pham, Anne Shattuck, Andrew Adesman. —— Abstract 224

10:45am
National Trends in Prevalence and Co-Morbid Chronic Conditions among Children with Asthma, Autism Spectrum Disorder, and Attention Deficit Hyperactivity Disorder
Christian D. Pulcini, Bonnie Zima, Kelly Kelleher, Amy J. Houtrow. —— Abstract 225

10:30am
Prevalence of Depression Symptoms of Pediatric Residents
Alexandra Hua, Tammy B. Pham, Cara Jacobson, Chuck Ng, Ruth L. Milanaik. —— Abstract 226

10:45am
Understanding the Timing of Career Decisions by Pediatric Residents and the Factors That Play a Role: A Survey of Graduated Pediatric Resident Graduates
Thay L. Ngo, Barry S. Solomon, Jeffrey Fodrowski, Janet R. Serviwt. —— Abstract 227

11:00am
A Randomized Controlled Trial: Does Guidance Using Video Laryngoscopy Improve Residents’ Success in Neonatal Intubations?
Sarah Volf, Timothy P. Stevens, Rita Dudz. —— Abstract 228

Saturday, March 12

Platform Session
Allergy/Immunology and Nephrology
9:45am-11:15am —— Minuet
Moderator: Beatrice Goilav

9:45am
Exploration of Factors Contributing to Time to Achieve Clinically Inactive Disease (CID) in Juvenile Idiopathic Arthritis (JIA): A Preliminary Report
Suhas K. Gangali, Max Shenberger, Ritesh Korumilli, Beth S. Gottlieb. —— Abstract 211

10:00am
Randomized Controlled Trial of High Concentration Oxygen Versus Titrated Oxygen Therapy in Pediatric Asthma Exacerbation
Bhavi Patel, Hsin Khine, Aml Shah, Lewis Singer. —— Abstract 218

10:15am
Tracheal Intubation Associated Events Following Noninvasive Ventilation Failure
Christina K. Walsh, Josep M. Paniello, Akira Nishioka, Guillaume Emeriaud, John S. Giuliano. —— Abstract 219

10:45am
Examination of the TNF-GM-CSF Cytokine Axis as a Biomarker of Pulmonary Infection
E. Scott Halstead, Gavin R. Graff, Neal J. Thomas. —— Abstract 220

11:00am
Lung Rest During ECMO for Neonatal Respiratory Failure
D. Alapati, Z. Aghai, J. Hossain, D.R. Dinnberger, M.T. Ogino, T.H. Shaffer. —— Abstract 222

2016 ESPR Annual Meeting | 13
Emergency Medicine II
9:45am-11:15am ——— Concerto AB
Moderator: Khoon-Yen Tay

9:45am
Factors Associated With Hospitalization and Readmission of Young Children With Bronchiolitis After an Emergency Department (ED) Visit
K. T. Luckey, Lisa Bakhos, Anna Petrova.
Abstract 229

10:00am
Observation Time for Acute Single-Use Detergent Sac (SUD) Ingestions Among Children
Caroline O. Adeighe, Trudy Lerer, Sharon R. Smith.
Abstract 230

10:15am
Improving Pediatric Asthma Care in a Community Emergency Department
Theresa A. Wallis, Naomi T. Hughes, Paul Mullan, Christine Rawlinson, James M. Chamberlain, Kathleen Brown.
Abstract 231

10:30am
Prescribing Controller Therapy for Asthma upon Discharge from a Pediatric Emergency Department: A Quality Improvement Initiative
Tian Liang, Munish Kumar, Cara Miller, Darshan Patel, Allen J. Dozor, Sankaran Krishnan.
Abstract 232

10:45am
Ideal Observation Time after Racemic Epinephrine in the Pediatric Emergency Department for Those with Croup
Nadine M. Smith, Katie Giordano.
Abstract 233

11:00am
Discharge Instructions Understanding Disparities Among Parents Presenting to a Pediatric Emergency Department
Noah Kondianudi, David Aviles, Sushma Ravirala.
Abstract 234

Neonatology - Necrotizing Enterocolitis
9:45am-11:15am ——— Aria AB
Moderators: Rose Viscardi, Natalie Davis

9:45am
Impact of PRBC Transfusions on Intestinal Barrier Function in Preterm Infants
Abstract 235

10:00am
Aryl Hydrocarbon Receptor Ligand Indole-3-Carbinol Attenuates Neonatal Intestinal Inflammation
Zerina Hodzic, Congrong Ma, Derek Pociask, Jay K. Kolls, Misty Good.
Abstract 236

10:15am
Assessing the Impact of Holding Feedings during PRBC Transfusion on the Incidence of Transfusion Related Gut Injury (TRAGI) in Preterm Infants
Shannon Rindone, Alexander Knee, Robert Rothstein, Rachana Singh.
Abstract 237

10:30am
Fecal Microbiota of Premature Infants With and Without Necrotizing Enterocolitis in the Central Connecticut Region
Tristan P. Lindberg, Melissa P. Caimano, Erin M. Bennett, Joerg Graf, Adam P. Matson.
Abstract 238

10:45am
The Association Between Necrotizing Enterocolitis and Prior Antibiotic Exposure Is Time-Dependant
Jennifer Duchon, Lisa Saiman, Luis Alba, Haomiao Jia.
Abstract 239

11:00am
Necrotizing Enterocolitis(NEC) and Its Association with the Use of Umbilical Vascular Catheters in ELBW Infants
Naveed Hussain.
Abstract 240

Neonatology - Pulmonary/Ventilation
9:45am-11:15am ——— Overture
Moderators: Jim Cummings, Kate Tauber

9:45am
Effect of SpO2 on Pulmonary Hemodynamics, Oxygen Delivery and Oxidative Stress in Meconium Aspiration Syndrome (MAS)
Munmun Rawat, Praveen Chandrasekharan, Sylvia Gugino, Lori Nielsen, Stephen Wedgwood, Satyam Lakshminrusimha.
Abstract 241

10:00am
Maternal Hyperoxygenation Does Not Increase Fetal Cerebral Oxygen Delivery
Nithi Fernandes, Praveen Chandrasekharan, Munmun Rawat, Payam Vally, Sylvia Gugino, Carmon Koenigsknecht, Satyam Lakshminrusimha.
Abstract 242

10:15am
Quantitative Description of Cardiorespiratory Event Rates in the NICU
Johnathan P. Keenum, Joseph R. Ister, David A. Bateman, Rakesh Sahni.
Abstract 243

10:30am
Use of Exhaled Breath Condensate in Predicting Bronchopulmonary Dysplasia
Elizabeth Yen, Barry Weinberger, Robert Launbach, Anna Vetrano, Andrew Gow, Maya Ramagopal.
Abstract 244

10:45am
Carbon Dioxide Washout During Humidified High Flow vs. Nasal CPAP Support: An In-Vitro Study
Emidio M. Sivieri, Soraya Abbasi.
Abstract 245

11:00am
Impact of Neonatal Endotracheal Tube Biofilm on Resistance and Mechanics of Breathing
Kaitlin M. McLean, Tom Blackson, Joseph Ciarlo, Lori Boylan, Micheal Antunes, Thomas H. Shaffer, Robert Locke.
Abstract 246

Neonatology - Quality Improvement
9:45am-11:15am ——— Maestro B
Moderators: Jay Greenspan, Patoula Panagos

9:45am
Time to First Hold: Quality Improvement Project Using Lean Six Sigma Methodology to Decrease the Time to Parents’ First Hold of Infants in the NICU
Kaitlin M. McLean, Julia D. Ryan, Annette L. Rickolt, John L. Stefano.
Abstract 247

10:00am
ROAD to Alarm Safety: Reducing Oximeter Alarm Desensitization Through Quality Improvement in the NICU
Abstract 248

10:15am
Reducing “Decision to Incision” Time to Perform Emergency C-Section Procedures
Srisarath Devapattala, Ramesh Vythalvar, Rohit Verma, Sal Agnihothri.
Abstract 249

10:30am
Supporting Neonatal Intensive Care Unit Staff Through Post-Death Debriefings
Nasim Gorji, Gina Geis.
Abstract 250

10:45am
A Longitudinal QI Project Comparing Delayed Cord Clamping for 45 Versus 30 Seconds in Preterms
Jeanne Nunez, Elizabeth Cristofalo, Cynthia Argani, Maureen Gilmore.
Abstract 251

11:00am
Improving the Diagnosis of Neonatal Hypoglycemia
Abstract 252
Saturday, March 12
Plenary Session I
Plenary Lecture
11:30am-12:30pm – Symphony Ballroom
Renee Reijo Pera, MD
Timing in Human Embryo Development:
Species specific sequences and disease

Fellows’ Clinical Case
Presentation Competition
12:40pm – 1:40pm – Symphony Ballroom

Eastern SPR Business Meeting
12:40pm – 1:40pm – Rhapsody (4th Floor)

Saturday, March 12
Plenary Session II
Young Investigator Award
Finalists - Trainees
2:30pm-4:15pm — Symphony Ballroom
Moderator: Joe Bliss

2:30pm
Both Antenatal and Postnatal Inflammation
Contribute Information About the Risk of Brain
Damage in Extremely Preterm Newborns
Diana Yanni, Steven Korzeniewski, Elizabeth N.
Alreed, Raina N. Fichorova, T. Michael O’Shea,
Karl Kuban, Olaf Dammann, Alan Leviton.
Abstract 253

2:45pm
Cangrelor: A New P2Y12 Inhibitor for Prevention
of Shunt Thrombosis in Neonates with Congenital
Heart Disease
Elizabeth Raza, Haiyu Zhou, Tamar Mendelsberg,
Julie Vincent, Emilie Bacha, Thomas Diacovo.
Abstract 254

3:00pm
Permeability Transition Pore Closure Increases
Mitochondrial Maturation and Myocyte
Differentiation In Vitro and Cardiac Function In
Vivo in the Neonatal Mouse Heart
Jayson V. Lingan, George A. Porter.
Abstract 255

3:15pm
Premature Birth Increases Population of
Interneuron Progenitors in the Ganglionic
Eminence of Rabbit Pups
Mahima Tibrewal, Preeti Dohare,
Praveen Ballabh.
Abstract 259

3:45pm
Sex Differences in Gene Expression Are
Restricted to Extraembryonic Tissue in Early
Post-Implantation Embryos
Tami J. Stuart, Kathleen E. O’Neill, David
Condon, Rebecca A. Simmons.
Abstract 260

4:00pm
The Mitochondrial Electron Transport Chain Is
Organized Into Supercomplexes
Gisela Beattner, George A. Porter.
Abstract 261

4:15pm
MIRNA Expression in Skeletal Muscle of Children
Diagnosed With Cerebral Palsy
Latresa V. Copes, Robert E. Akins.
Abstract 262

4:30pm
Postnatal Dexamethasone Does Not Affect
Interneuron Neurogenesis
Muhammad T.K. Zia, P. Dohare, G. Vrakouka, V.
Yadula, R. Chawla, Praveen Ballabh.
Abstract 263

4:45pm
Metabolomics in Placenta of a Mouse Model of
Preterm Birth
Sumner Elshenawy, Amy G. Brown, Guillermo
Barita, Michael S. Hester, Samuel Purry,
Rebecca A. Simmons.
Abstract 264

Gastroenterology/Bilirubin
4:30pm-6:00pm — Maestro B
Moderator: Prawan Shivakumar

4:30pm
Effect of Total Parenteral Nutrition on the
Glutathione Oxidative Stress Pathway
Christina Ferrucci-Da Silva, Le Zhan, Jianliang
Shen, Naureen Memon, Grace L. Guo.
Abstract 265

5:00pm
Interleukin-22RA1 Signaling Attenuates Intestinal
Inflammation and Promotes Differentiation of
Intestinal Stem Cells
Olivia B. Parks, Congrong Ma, Pawan Kumar,
William Horne, Jay K. Kolls, Misty Good.
Abstract 268

5:15pm
Assessment of Preterm Infant Post-Discharge
Feeding Regimens and Growth in the First Year
Cristina R. Fernandez, Sudha Kashyap.
Abstract 270

5:30pm
Improving Transitions of Care: The Next Steps
Program – A Medical Home for Neonatal Intensive
Care Unit (NICU) Graduates
Folashade E. Unemediwo, Afin H. Howlader, Abdul
Quadri, Berlinda Olivier, Gisella Pfeiffer.
Abstract 271

5:45pm
Use of Focus Groups to Inform a New Community-
Based Youth Diabetes Prevention Program
Nita Vungepuram, Farrah Khan, Sage Lopez,
Crispin Goytia, Carol R. Horowitz.
Abstract 273

Saturday, March 12
Platform Session
Developmental Biology
4:30pm-6:00pm — Minuet
Moderator: Zubair Aghai

3:45pm
TGF- Regulates the Expression of IL-4R Differentially
in Neonatal and Adult Dermal Fibroblasts
Sriprita Sundararajan, Virginia Lockatell, Zahid
Noor, Irina G. Lucina, Sergei P. Atamas.
Abstract 257

4:00pm
Soluble Guanylate Cyclase Activation Improves
Vascular Function and Reverses RV Remodeling in
a Mouse Model of Sickle Cell Disease Associated
Pulmonary Hypertension
Karim P. Potoka.
Abstract 258

4:15pm
Bilirubin Inhibition of L1 Cell Adhesion Molecule
(L1) Mediated Neurite Outgrowth
Eric M. Ly, Gail Cameron, Ningfeng Tang, Min
He, Cynthia F. Bearer.
Abstract 269

4:30pm
RNA Sequencing of Neonatal Saliva Identifies
Objective Biomarkers of Oral Feeding Maturity
Prarthana Khanna, David R. Walt, Jill L. Maron.
Abstract 266

5:00pm
Are NG Feeding Tubes Associated with Increased
Gastroesophageal Reflux in Preterm Infants?
Swati Murthy, Zubair A. Aghai.
Abstract 267

5:15pm
Are NG Feeding Tubes Associated with Increased
Gastroesophageal Reflux in Preterm Infants?
Swati Murthy, Zubair A. Aghai.
Abstract 267

5:30pm
Pulmonary Hypertension: A Mouse Model of
Sickle Cell Disease Associated
Vascular Function and Reverses RV Remodeling in
Soluble Guanylate Cyclase Activation Improves
Vascular Function and Reverses RV Remodeling in
a Mouse Model of Sickle Cell Disease Associated
Pulmonary Hypertension
Karim P. Potoka.
Abstract 258

5:45pm
Objective Biomarkers of Oral Feeding Maturity
Prarthana Khanna, David R. Walt, Jill L. Maron.
Abstract 257

General Pediatrics II
4:30pm-6:00pm — Concerto AB
Moderator: Evan Fieldston

4:30pm
Effects of Caregiver Responses to Child Behavior
on Developmental Delays in Young Children in La
Romana, Dominican Republic
Onomoli O. Onemudwo, Afrin Howlader, Abdul
Quadri, Berlinda Olivier, Gisella Pfeiffer.
Abstract 271

4:45pm
Use of Focus Groups to Inform a New Community-
Based Youth Diabetes Prevention Program
Nita Vungepuram, Farrah Khan, Sage Lopez,
Crispin Goytia, Carol R. Horowitz.
Abstract 273

5:15pm
Underuse of Proper Child Restraints in Taxis: Are
Weak Laws Putting Children in Danger?
Sarah Kofsky, Timmy Pham, Alyson Gutman,
Chuck Ng, Jonathan Goldman, Ruth Milanaik.
Abstract 274

2016 ESPR Annual Meeting | 15
5:30pm
Intimate Partner Violence Screening in Pediatric Primary Care: Perceived Barriers, Facilitators, and Potential Interventions
Swati Goel, Caitlin Kennedy, Madeline Kiefer, Akadia Kachau-Ochana, James Quon, Andrea Gielen, Barry S. Solomon. Abstract 275

5:45pm
Breast Feeding and Formula Selection in Neonatal Abstinence Syndrome
Amy L. Lembek, Deborah J. Tuttle, Robert Locke, Pamela Jimenez, Amy B. Mackley, David A. Paul. Abstract 276

Neonatology - Infectious Disease
4:30pm-6:00pm — Aria AB
Moderator: Misty Good

4:30pm
Suspected or Known Neonatal Sepsis and Neurodevelopmental Outcomes at Five Years
Katrina Fernandez, Christopher Rose, April Susi, Gregory Gorman, Elizabeth Hise-Gorman. Abstract 277

4:45pm
Sagori Mukhopadhyay, Karen M. Puopolo. Abstract 278

5:00pm
Analysis of Cerebrospinal Fluid Reveals Derangement of Metabolism in Infants with Bacterial Meningitis
Scott M. Gordon, Lakshmi Srivivasan, Soraya Abbasi, Adriana Perez, Marissa Tremoglie, Mary C. Harris. Abstract 279

5:15pm
Novel Therapeutic Use of Galectin-3 in Neonatal Host Defense Against Disseminated Candidiasis
Prasoon Verma, Sonia S. Loforce-Nebbit, Richard Tucker, Joseph M. Bliss. Abstract 280

5:30pm
Clinical and Microbiologic Characteristics of Early-Onset Sepsis Among VLBW Infants Over 25 Years
Sagori Mukhopadhyay, Karen Puopolo. Abstract 281

5:45pm
Video Didactic at Point of Care Impacts Hand Washing Compliance in the NICU
Maria George, Dantmah Hoang, Nayaab Khawar, Yang Liu, Pramod Narula. Abstract 282

Neonatology - Potpourri
4:30pm-6:00pm — Overture
Moderator: Sensa Gogcu

4:30pm

4:45pm
Application of Water-Based Near Infrared Spectroscopy in Newborn Brain Disease
Shadi Malaei, Meltem Izetoglu, John Grothausen, Maria Delivoria-Papadoyannos, Amulya Buddhavarakap, Jane McGowan. Abstract 284

5:00pm
Analgesia During Paw Prick in the Neonatal Rat: Effect on Social Behavior and Pressure Thresholds

5:15pm
Omega-3 Fatty Acid (FA) Effects on Learning and Memory in Mice
Luis E. Lecada, Hee-Yong Kim, Abhishek Desai, Karl Kevala. Abstract 286

5:30pm
Neonatal Hypoglycemia and Developmental Outcomes in the First 5 Years
Stephanie Berdy, Krystin Engelhardt, Jennifer Wherley, Gregory H. Gorman, Elizabeth Hise-Gorman. Abstract 287

5:45pm
25OH Vitamin D(25OHD) Levels in Very Low Birth Weight (VLBW) Infants Receiving Vitamin D Supplementation

Neurology
4:30pm-6:00pm — Maestro A
Moderator: Lori Billinghurst

4:30pm
Neuromuscular Blocking Agent Sensitivity During Anesthesia Correlates With Neuromotor Synapse Dysmorphism in Children With Cerebral Palsy (CP)
Stephanie K. Yeager, Karyn G. Robinson, Robert E. Akins. Abstract 289

4:45pm
Nerve Transfers for Enterovirus D68 – Induced Acute Flaccid Myelitis: A Case Series and Literature Review
Elaina B. Saltzman, Schneider K. Rancy, Dale J. Lange, Scott W. Wolfe. Abstract 290

5:00pm
Language at Rest: A Longitudinal Study of Intrinsic Functional Connectivity in Preterm Children
Megan A. Rowlands, Dustin Scheinost, Cheryl Lacadie, Betty Voehr, Fangyong Li, R. Todd Constable, Laura R. Ment. Abstract 291

5:15pm
Followup Study of 21 Pediatric Patients With Anti-Nmda Receptor Encephalitis (ANMDARE)
Jay E. Selman. Abstract 292

5:30pm
Visual Outcomes Following Perinatal Ischemic Stroke
Erin C. Kiskis, Gil Bienenbaum, Rebecca N. Ichord, Laura E. Jastrzeb, Lori L. Billinghurst. Abstract 293

5:45pm
Protocol Driven Management of Convulsive Status Epilepticus
Gina Cassel-Choudhary, Naha Longani, Jules Beal, Ruby Rivera, Chhavi Katyal. Abstract 294

Obesity
4:30pm-6:00pm — Rhapsody
Moderator: Catherine Wiley & Jesse Sturm

4:30pm
Maternal Obesity and Alterations in CD3+ T-Lymphocyte Methylation in Term Infants

4:45pm
Infant Sucking Intensity, Weight Gain, and Adiposity in the First 4 Months of Life

5:00pm
Relationship between Birth Weight, Obesity Indicators and Metabolic Profile in a Cohort of Obese Children and Adolescents
Praveesh Sangwan, Yash Shah, Hemangi Bhandkar, Sarita Dhuper. Abstract 297

5:15pm
Financing a Weight Management Program for Obese Children and Adolescents
R. Feinstein, S. Di Figlia-Peck, Y. Wahab. Abstract 298

5:30pm
Clinical and Social Factors Associated With Being Overweight at 12 Months in Hispanic Versus Non-Hispanic Children
Farah Khan, Sahel Hazrati, Kathi Huddleston, Sachi Hourigan, John Niederhuber. Abstract 299

5:45pm
Associations between Asthma and Central Obesity in Children: A Case-Control Study in a Pediatric Emergency Department (PED)
Nicole Gherlone, Kayla Vosburgh, Christine Mulvey, Sharon Smith, Valerie Duffy. Abstract 300
Saturday, March 12
Poster Session III:
Emergency Medicine/Neonatology/Critical Care
6:00pm-7:30pm —— Ormandy

1 Pre-Hospital Pediatric Care in New York City 2006-2012: Interventions and Medications
Matthew I. Harris, James Braun, Robert A. Silverman, David Ben-Eli, Glenn Asaeda, John Freese.
Abstract 301

2 Trends in ED and Inpatient Utilization by Severely Injured Children 2005-2012
Terry A. Adirim, Marguerite L. Barrett, Elizabeth Edgerton, Pamela L. Owens.
Abstract 302

3 Utility of Procalcitonin to Predict Intensive Care Unit Admission and Identify Bacterial Illness in the ED Resuscitation of Pediatric Sepsis
Ruth Abaya, Scott Weiss, Julie Fitzgerald, Fran Balanath.
Abstract 303

4 Does Emergency Care Differ for Patients with Spina Bifida Between Pediatric and General Emergency Departments?
Erin R. McNamara, Tanya Logvinenko, Caleb P. Nelson.
Abstract 304

5 The Effectiveness of Text Messaging Compared With Phone Communication in Contacting Adolescent Patients with Sexually Transmitted Infection Test Results from the Pediatric Emergency Department
Abstract 305

6 Implementation of Intubation Checklists in the Pediatric Emergency Department
Mariann Nocera, Linda L. Brown.
Abstract 306

7 Validation of Risk Stratification Criteria to Identify Febrile Neonates at Low Risk of Serious Bacterial Infection
Maya Capua, Jamie Shoaq, Dina Golfeiz, Jeffrey Avner, Joni Rabiner.
Abstract 307

8 Relationship of Preinjury Somatization to Prolonged Concussion Symptoms
Jeremy M. Root, Noel S. Zuckerbraun, John Freese.
Abstract 308

9 Management of Pediatric Abdominal Pain
William Bonadio, Arthur Ishakov, Onyinyechi Ukwuoma, Katie Rebillot, Christine Saracino.
Abstract 309

10 Diagnostic Factors Associated with Constipation in Children Presenting to the Emergency Department with Abdominal Pain
Hector Vázquez, Arpit Agarwal, Shrunu Gupte, Antonios Likourezos, William A. Bonadio.
Abstract 310

11 WITHDRAWN

12 WITHDRAWN

13 Trampoline Park and Home Trampoline Injuries: Comparison from a National Injury Database
Kathryn E. Kasmire, Steven C. Rogers, Jesse J. Sturm.
Abstract 313

14 WITHDRAWN

15 Analgesic Use in Children with Long Bone Fractures in a Pediatric Emergency Department
Nisha Polavarapu, Shruti Banagaria, Sneha Patel, Noah Kondamudi.
Abstract 315

16 Strengthening Transition of Care in the Pediatric Emergency Department Using I-PASS: A Quality Improvement Project
Catherine Burdett, Sabina Singh, Danielle Casher, Terry Adirim.
Abstract 316

17 Parents’ Perspective on Performance of Invasive Procedures on Their Children: A Qualitative Evaluation
Abstract 317

18 Awareness of Pediatric Emergency Medicine Physicians of Early Initiation of Non-Invasive Ventilation in Respiratory Failure
Remon Assaad, Ritesh Korumilli, Gagan Gulati, Lily Q. Lew, Susanna Rapaport, Rohit Pinto.
Abstract 318

19 Extended Spectrum Beta-Lactamase Producing Urinary Tract Infections (ESBL UTIs) in Patients Presenting to a Pediatric Emergency Department: A Case Series
Katherine Fullerston, Rebecca Levosor, Christian Machado, Jared Friedman, Nicole Streeks, Jessica Edson.
Abstract 319

20 Factors Associated with Parent Satisfaction with Emergency Visits When the Patient Has Autism
Sarah Kirsch, James Weaver, David L. Mervash.
Abstract 320

21 Pediatric Emergency Medicine Curriculum in Armenia: Evaluating Knowledge Retention
Claire Alexanian, Ling Cai, Hannah Cockrell, Aline Baghdasarian.
Abstract 321

22 Prevalence of Cyberbullying in Patients Presenting to the Pediatric Emergency Department
Karl Hellstrand, Steven Rogers, Jesse Sturm.
Abstract 322

23 Obesity and Pain Management of Children with Long Bone Fractures in a Pediatric Emergency Department
Nisha Polavarapu, Sergio Pereira, Shruti Banagaria, Noah Kondamudi.
Abstract 323

24 A Scoping Review of the Literature on the Use of Epinephrine in the Management of Anaphylaxis: Epinephrine Auto Injector Vs Epinephrine from the Ampule
Abstract 324

25 Characteristics and Behavioral Risk Factors of Firearm-Exposed Youth in an Urban Emergency Department
Ruth Abaya, Titia Atte, Joanna Herres, Guy Diamond, Joel Fein.
Abstract 325

26 Impact of Video-Based Quality Improvement on Cardiopulmonary Resuscitation Performance in a Pediatric Emergency Department
Aaron Donoghue, Ting-Chang Hsieh, Mira Henien, Sage Myers.
Abstract 326

27 Under Prescription of Epinephrine to Pediatric Patients with Anaphylaxis
Abstract 327

28 Do Abnormal Maternal Serum Biomarkers Predict Morbidities in Preterm Infants?
Shivani Joshi, Nandita Mandhana, Ramiro Lizano Santamaría, Agnes Salvador.
Abstract 328

29 Successful Treatment of Neonatal Jaundice in Rural Burundi With a Novel, Portable Phototherapy Device
Donna J. Brezinski, Alyssa Pfister, Gary E. Gilbert.
Abstract 329

30 Effects of Early Pain Experience on Response to Painful Stimuli in Infancy and Adulthood
Carly I. Gomes, Gordon Barr.
Abstract 330
31 Effect of a Uniform Educational Feeding Program on Nurses’ Comfort Levels Feeding
Tammy B. Pham, Ruth L. Milanaik, Thomas Basile, Helen Papaioannou, Ritika Ramakrishnan, Tasnim Ahmed, Joanne Casatelli, Regina Spinazzola. __________________________ Abstract 331

32 Mild Motor Impairment in Very Low Birth Weight Infants (VLBW) Is Related to Expressive But Not Receptive Language Impairment
Rebecca DeMaria, Vivien Yap, Gail Ross, Jeffrey Perlman. __________________________ Abstract 332

33 Evaluating the Developmental Assessment of Young Children (DAYC-2) in Premature Infants
Michelle C. Coughlin, Barb B. Mettelman, Michelle M. Bode. __________________________ Abstract 333

34 Hospital Readmission Rates for Children With Tracheostomy Placement Prior to One Year of Age
Bridge E. DePrisco, Albert Kim, Janet Lioy, Luv R. Javia, Sara B. DeMauro. __________________________ Abstract 334

35 A Pilot Study of Factors Influencing Caregiver Engagement in Neonatal Follow Up
Margaret L. Zafer, Ankeitl Abreu, Oscar H. Purugganan, Annette P. Zygmun, Christina Farkouh-Karoleski. __________________________ Abstract 335

36 Utilization of Outpatient Subspecialty Care By Infants with Tracheostomies
Krysten North, Albert Kim, Janet Lioy, Sara DeMauro, Luv Javia. __________________________ Abstract 336

37 Comparison of PTSD Scores of NICU Parents Across Infant Gestational Age Categories
Alexandra Hua, Tammy B. Pham, Regina Spinazzola, Diana Li, Chuck Ng, Ruth L. Milanaik. __________________________ Abstract 337

38 Aggressive Optimized Nutrition Practice Improves Neurodevelopmental Outcome
MaryBeth Mandich, Stephen M. Juniper J. Lee-Park, Harshawardhan U. Deshpande, Jonathan M. Lisinski, Stephen M. LaConte, Sharon L. Ramey, Stephanie C. DeLuca. __________________________ Abstract 338

39 Addressing Challenges in Functional Connectivity Assessment in Children with Cerebral Palsy
Janiper J. Lee-Park, Harshawardhan U. Deshpande, Jonathan M. Lisinski, Stephen M. LaConte, Sharon L. Ramey, Stephanie C. DeLuca. __________________________ Abstract 339

40 Early Growth Patterns After Hypoxia-Ischemia and Therapeutic Hypothermia in Mice
Johana Diaz, Saleman Abiola, Nancy Kim, Raul Chavez, Frances Northington. __________________________ Abstract 340

41 Prophylactic Phenobarbital (PB) Reduces Anti-Epileptic Drug (AED) Use in Infants Undergoing Therapeutic Hypothermia (TH) for Hypoxic-Ischemic Encephalopathy (HIE)
Sushma Krishna, Jeffrey Perlman. __________________________ Abstract 341

42 Abnormal Cerebroplacental Ratio Predicts Impaired Cerebral Autoregulation in Preterm Infants
Sruthi Polavarapu, Garrett Fitzgerald, Stephen Contag, Laurence S. Magder, Sama B. Hoffman. __________________________ Abstract 342

43 Incidence of Epilepsy and Predictors of Functional Outcome after Pediatric Cerebral Sinovenous Thrombosis
Brittany Jones, Lauren A. Beslow, Rebecca N. Ichord, Laura Jastrzab, Lori L. Billinghurst. __________________________ Abstract 343

44 A Clinical and Sonographic Study of Lenticulostriate Vasculopathy (LSV) in a Regional Neonatal Center
Sanjeet Panda, Leeven Hsu, Jenna Mennella, sensa Gogcu. __________________________ Abstract 344

45 Microglial Activation Following Hypoxia in the Newborn Piglet Brain
Jessica May-Rabbach, Shadi Malaeib, John Grothuesen, Jessica Button, Maria Delivoria-Papadopoulou. __________________________ Abstract 345

46 AEEG Background Evolution Pattern in Newborns with Hypoxic Ischemic Encephalopathy (HIE) Receiving Therapeutic Hypothermia (TH)
Elizabeth K. Sewell, Gilbert Vezina, Taeun Chang, Tammy Tsuchida, Kari Harris, Michelande Ridore, Nadia Kadri, An N. Massaro. __________________________ Abstract 346

47 Long Term Effect of Src Kinase on Mitochondrial Membrane Integrity Following Hypoxia in the Newborn Piglet Brain
Panagiotis Kraitenos, Amit Jain, Anja Mowes, Ioannis Koutras, Shadi Malaeib, Maria Delivoria-Papadopoulou. __________________________ Abstract 347

48 Autonomic Dysfunction and Physiologic Response to NICU Care Events in Newborns With Hypoxic Ischemic Encephalopathy (HIE)
Heather Eisensom, R.B. Govindan, Taeun Al-Shargabi, Marina Metzler, Nickie Andescavage, Taeun Chang, Adre da Plessis, An N. Massaro. __________________________ Abstract 348

49 Autoregulation in Small for Gestational Age Infants During Rewarming After 72h of Therapeutic Hypothermia for Hypoxic-Ischemic Encephalopathy
Matthew C. O’Connor, Frances J. Northington, Jamie Perin, Charla Parkinson, Michael Reyes, Jillian S. Armstrong, Jennifer K. Lee, Raul Chavez-Valdez. __________________________ Abstract 349

50 Photoplethysmographic Parameters Correlate with Echocardiographic Indices of Hemodynamically Significant Patent Ductus Arteriosus
Cynthia R. Amirtharaj, Gideon Gradwohl, Meir Nitzan, Dorota Gruber, Andrew Blaufax, Elena Kwon, Robert Koppel. __________________________ Abstract 350

51 Oximeter Alarm Safety and Oxygen Saturation (SpO2) Targets in Vermont Oxford Network (VON) NICUs

52 Small-For-Gestational-Age (SGA) Prevalence in the U.S. Is Increasing Among Infants 33 to 36 Weeks Gestation
Laura H. Rubinos, Molly Pusserella, Scott A. Lorch. __________________________ Abstract 352

53 Residential Segregation Is a Risk Factor for Intraventricular Hemorrhage in Pre-Term Infants
Daria C. Murosko, Scott A. Lorch. __________________________ Abstract 353

54 Respiratory Severity Score at Birth Predicts Neonatal-Associated Morbidities in Infants < 1,250 grams
David Aboudi, Heather L. Brumberg, Shetal I. Shah. __________________________ Abstract 354

55 Limited Health Literacy in Parents of Very Premature Infants
Elizabeth Enlow, Megan M. Gray, Sara Wallace-Keeshen, Laura Rubinos, Soraya Abbasi, Scott A. Lorch. __________________________ Abstract 355

56 Association Between Early Hypophosphatemia and Respiratory Morbidities in Very Preterm Infants
Rani K. Thekumparampil, You Chen, Xianhong Xie, Mimi Kim, Manta Fuloria. __________________________ Abstract 356

57 Oral Dextrose Gel Reduces Need for Intravenous Fluids in Neonatal Hypoglycemia
Munmun Ravat, Praveen Chandrasekharan, Stephen Turkovich, Nancy Barclay, Katherine Perry, Eileen Schroeder, Lisa Testa, Satyan Lakshmirrusimha. __________________________ Abstract 357
Effect of Storage on Immune-Modulators in Preterm Human Milk
A. Nayak, A. Vinci, M. Botros, M. Bustoros, E. Gurzenda, X. Lin, N. Hanna.

Nutritional Regulation of Fibroblast Growth Factor 19 Secretion in Neonates
Naureen Momem, Barry J. Weinberger, Thomas Hegyi, Mary O. Carayannopoulos, Lauren M. Aleksunes, Grace L. Guo.

Impact of Feeding Type on the Clinical Symptoms of Neonatal Abstinence Syndrome
Garima Sarda, Jennifer Friderici, Lora Warren, Jeffrey Shenberger, Rachana Singh.

Are Insertion Site and Tip Location of Peripherally Inserted Central Catheters (PICCs) Associated with Phlebitis in Newborns?
Garima Sarda, Nicole Parentela, Paul Visintainer, Alexander Knee, Robert Rothstein.

The Effect of Intravenous Acetaminophen on Opioid Use in Preterm Infants
Lyndsey R. Garbi, Shetal Shah.

Factors Associated With End of Life Discussions in Infants With Severe BPD
Kesi Chen, Erik Jensen, Huayan Zhang, Kathleen Nilan, Haresh Kirpalani.

Relationship Between Parent Visitation, Stress, and Growth Among Hospitalized Preterm Infants
Alexandra F. Cours, Susan E. Filomena, Julie Liu, Annemarie Stroustrup.

Polymorphisms of Extracellular Matrix Remodeling Genes Contribute to Bronchopulmonary Dysplasia in Extremely Low Birth Weight Infants
Umesh Paudel, Asma Amin, Lance A. Parson.

Continuous Home Oximetry Data Contributes to Outpatient Oxygen Management in Preterm Infants
Elizabeth M. Moran, Hannah B. Suchy, Kayley M. Gaukler, Leah M. Frain, Lawrence M. Rhein.

Epinephrine (EPI) in Neonatal Resuscitation in a Term Lamb Model of Perinatal Asphyxial Arrest
Payam Vali, Manunun Ravat, Praveen Chandrasekharan, Sylvia Gugino, Carmon Koenigschnet, Justin Helman, William J. Jusko, Myra H. Wyckoff, Satyan Lakshminrusinha.

Proper Placement of the Umbilical Venous Catheter Tip in Neonates < 1500 grams: Echocardiographic Versus Radiologic Guidance
Bianca Cecilia F. Karber, James C. Nielsen, Dvorah Balsam, Catherine R. Messina, Dennis Davidson.

Automated Artifact Detection in Large Physiological Datasets

Trends in Medical Therapy for Gastroesophageal Reflux in VLBW Infants: Impact on Late Onset Sepsis and Necrotizing Enterocolitis
Swati Murthy, Alison Cook, Kevin Dysart, Sara B. DeMauro, Elizabeth Foglia, Erik Jensen, Jay S. Greenspan, Zubair H. Aghai.

Neonatal Outcomes of Very-Low-Birth-Weight Infants Born to Mothers with Hypertensive Disorders
Dustin D. Flannery, Kevin Dysart, Sara DeMauro, Erik Jensen, Elizabeth Foglia, Alison Cook, Jay Greenspan, Zubair H. Aghai.

Implicit Physician Biases in Perviability Counseling
Natasha Shapiro, Elena Wachtel, Sean M. Bailey, Michael D.M. Espiritu.

Down-Regulation of the Placental BCRP Drug Transporter During Chronic Hypoxia
Elizabeth Yen, Xia Wen, Lissa Francois, Ludwick Goreczya, Nicholas Illsley, Stacy Zamudio, Lauren Aleksunes.

A Randomized Study of Delayed Cord Clamping (DCC) in Preterm Neonates; Preliminary Observations
Morgan Spaight, Scarlet McKinsey, Jeffrey Perlman.

A Clinically Relevant Spanish Decision-Aid for Extremely Premature Birth

Preferred Parental Decision-Making Role in Neonatal Intensive Care
Elliott M. Weiss, Frances K. Barg, Emily Black, Steven Joffe.

Reproductive Health Education Received By Young Women With Cerebral Palsy
Susan H. Gray, Molly Wylie, Laurie Glader.

Training the Leader Improves Global Performance of a Pediatric Rapid Response Team
Amanda B. Levin, Alex Cartron, Anne Watson, Ashley Siems.

Effect of Hypothermia on Brain Cell Membrane Function in Normoxic Newborn Piglets
Jherna Balany, Shadi Malea, Jalea Moses, John Grothhusen, Samia Aleem, Maria Delivoria-Papadopoulous.

The Development of an Interdisciplinary Pediatric Critical Care Medicine (PCCM) Simulation Program
Joy Howell, Monique Zayas, Doreen Hsing, Danielle Massaro, Erin Clayton, Kevin Chung, Cori Green.

QT Interval Prolongation in the Pediatric Oncologic Population on Methadone

Procedural Sedation with Remifentanil, Dexmedetomidine and Propofol
Mohammad A. Quraishi, Ravinder Devgan, Omar Al-Abraham, Ramiro Mireles, Christopher Heard.

Provider Attitudes Towards Rapid Response Teams
Ashley L. Siems, Alexander Cartron, Anne Watson, Amanda Levin.
Sunday, March 13

Poster Session IV: Child Abuse/Developmental-Behavioral Pediatrics/Endocrinology/Medical Education/General Pediatrics/Neonatology
7:30am-9:00am — Ormandy

1 Characteristics That Distinguish Abusive from Nonabusive Causes of Sudden Unexpected Infant Deaths Kirsten A. Bechtel, Meagan Derbyshire, James Gill. —— Abstract 385

2 Ethanol Intoxication in Infants: A Case Series and Systematic Review Dianne Lee, Ilana Harwayne-Gidansky. —— Abstract 386

3 Quality Improvement in Child Sexual Abuse Evaluation: Review of Photos and Documentation as a MOC Part 4 Project Lori D. Frasier. —— Abstract 387

4 Psychiatric Correlates of Bullying Victimization in Children with Developmental Disabilities Bridget Kiely, Sujit Vettam, Andrew Adesman. —— Abstract 388

5 Parental Beliefs about the Etiology of Developmental Disabilities Bridget Kiely, Sujit Vettam, Andrew Adesman. —— Abstract 389


7 Therapy and Medication Use in Young Children with Autism: A Secondary Data Analysis from the Autism Speaks-Autism Education Curriculum Emphasizing Sustainability Daniela M. Ziskind, Amanda E. Bennett, Abbas F. Jawad, Nathan J. Blum. —— Abstract 391


9 General Pediatrician-Staffed Behavioral/Developmental Access Clinic Decreases Time to Evaluation of Early Childhood Developmental Disorders Meghan Harrison, Persephone Jones, Iman Sharif, Matthew D. Di Guglielmo. —— Abstract 393

10 Timing of Adverse Experiences and ADHD at Age 9 Manuel Jimenez, Roy Wade, Ofira Schwartz-Soicher, Yong Lin, Nancy Reichman. —— Abstract 394

11 Identifying Developmental-Behavioral Problems Among Young Children Stacey L. Bevan, Radley C. Sheldrick, Ellen C. Perrin. —— Abstract 395

12 Analysis of Therapy and Psychostimulant Use in Children 5 Years Old with Symptoms of ADHD in a US Urban Setting Elizabeth T. Ninan, Ayotunde Adeyeye, Ayoade O. Adeniyi, Stefan Hagmann, Richard Neugebauer, Jay Selman. —— Abstract 396

13 WITHDRAWN

14 Clinical Correlates of Wandering in Children with Autism Spectrum Disorders Bridget Kiely, Talia Migdal, Sujit Vettam, Andrew Adesman. —— Abstract 397


16 Clinical Predictors of Neurocognitive Outcomes in Children Following Perinatal Arterial Ischemic Stroke Danielle Rosenbark, Lauren Krivitsky, Rebecca N. Ichord, Laura Jastrzab, Lori L. Billinghurst. —— Abstract 399

17 Community-Based Parental Dialogic Reading Intervention to Improve Child’s Emergent Literacy Sandhya S. Byengar, Stephen De Waal Malefyt. —— Abstract 400

18 Increased Risk of Aggressive Behavior among Victims of Multiple Forms of Bullying Alexandra Huu, Tammy B. Pham, Anne Shattuck, Andrew Adesman. —— Abstract 401

19 Regulation of a Novel Acyl CoA Dehydrogenase: ACAD10 Emin Tai, Zhenwei Gong, Jerry Vockley, Radhika Mazumdar. —— Abstract 402

20 The Effect of Maternal Magnesium Deficiency on Fetal Pancreatic Development Allison Bauman, Xiangying Xue, Marlena McGill, Prodhy Chatterjee, Gopal Kumar, Patricia Vaguin, Phyllis Speiser, Christine Metz. —— Abstract 403

21 WITHDRAWN

22 Adrenal Suppression Occurs in Children Treated with Inhaled Steroids Taken Orally for Eosinophilic Esophagitis Treatment Mahmuda M. Ahmed, Anastasios Angelides, Meghana Gudala, Holley Allen. —— Abstract 404

23 Effect of One Year of Growth Hormone Therapy on A1C and BMI for GHD and ISS patients M. Goldis, L. Waldman, K. Williams, C. Romero, E. Wallach, E. Burtman, V. Cabrera, M. Regelmann, R. Rapaport. —— Abstract 405

24 Oxcarbazepine is an Underrecognized Cause of Symptomatic Hyponatremia in Pediatric Patients Without Thirst: Two Case Reports Jessica Kremen, Joseph Majzoub. —— Abstract 406


26 The Association of Elevated Alanine Transaminases With Cardiovascular and Metabolic Markers in Obese Children and Adolescents of the South Bronx Swathi Sethuraman, Hoda Karralviwad, Swati Dave-Sharma. —— Abstract 408

27 Effects of Bariatric Surgery on Metabolic Risk Factors in Adolescents with Polycystic Ovarian Syndrome (PCOS) Shrinkhala Srivastava, Paola Palma Sisto, Trudy Lerer. —— Abstract 409

28 High Prevalence of Metabolic Syndrome, Increased AI (Atherogenic Index) and Increased IR (Insulin Resistance) in Obese Children and Adolescents of South Bronx Hoda Karralviwad, Swathi Sethuraman, Swati Dave-Sharma. —— Abstract 410

29 Characterization at Diagnosis and Follow Up of Adolescent Patients with Polycystic Ovarian Syndrome (PCOS) Shrinkhala Srivastava, Paola Palma Sisto, Christine Trapp, Trudy Lerer. —— Abstract 411

30 Foreign Medical Aid to Solomon Islands – Developing a Local Professional Education Curriculum Emphasizing Sustainability Daniel T. Yu, Karen A. Schneider, Jennifer F. Anders, Martha W. Stevens. —— Abstract 412

31 Assessing Public Perceptions of Recent Epidemics in Children William Chan, Henry Guo, Christine Mulvey, Sharon R. Smith. —— Abstract 413

32 Community Pediatrics and Advocacy Training in New York State: Where We Are and Where We Want to Be Leora Mogilner, Wei Chua, Dodi Meyer, Anne Armstrong-Cohen, Cappy Collins, Laurie Gordon. —— Abstract 414
Abstract 417

33 Sex Maturity Rating: A National Survey of the Attitude, Knowledge and Practice of Pediatric Trainees
Aditi Khokhar, Yagnaram Ravichandran, Dmitre G. Stefanov, Sheila Perez-Colon. — Abstract 417

34 An Evaluation of Fellow Clinic Work Activities using Work Sampling Analysis in an Urban Academic Adolescent Medicine Outpatient Center
Sharyn Malcolm, Jean Someshwar, Robyn Miller, Brooke Bokor, Joyce Campbell. — Abstract 418

35 Developing a Peer Mentoring Program for Pediatric Residents
Miriam T. Stewart, Nicole Hames. — Abstract 419

36 Resident Perspectives of Virtual Simulation in an Online Complex Care Curriculum
Keri Toner, Dewesh Agrawal, Priti Bhansali, Neha Shah. — Abstract 420

37 A Digitally Innovative Bioethics Curriculum for Neonatal-Perinatal Medicine Fellows: Results After Year 1 of a Pilot Study
Gina M. Geis, Christy Cummings. — Abstract 421

38 Efficacy of Pediatric Residents Training in Salvador Community Healthcare Workers in Basic Pediatric Life Support and Neonatal Resuscitation
Ngoc Nguyen, Karishma Choksey, Cecilia Monteith, Paul Lee. — Abstract 422

39 A Needs Assessment Study of Point-of-Care Ultrasound (FOCUS) Education in Pediatric Residency: Demand Without Supply
Saiyahjeeva Subramaniam, Valeriy Chorny, Michael Keenaghan, Ramon Gist, Nihla Mehta, Jennifer Chao. — Abstract 423

40 Emergent Neonatal Pericardiocentesis Simulation
J. Lauren Ruoss, Elizabeth Doherty. — Abstract 424

41 Survey Assessment of Knowledge, Attitudes and Practices of US Pediatric Residents Regarding Newborn Screening
Shipra Bansal, Kannan Kasturi, Vivian L. Chin. — Abstract 425

42 Characterizing Medical Student Self-Identified Goals for the Pediatric Clerkship
Anson Elisabeth, Robertson Kathryn, Kim Terry. — Abstract 426

43 Does the ACGME Survey Tell Us What We Need to Know: Using a Graduate Survey to Find Out
Cynthia Katz, Sarah Rawstron, Sonia Desikan, Kenneth Bromberg. — Abstract 427

44 Evaluation of a Novel Role Play Curriculum to Teach Patient and Family Centered Communication Skills to Medical Students
Julia F. Aquino. — Abstract 428

45 Why Does Infant Sleep Position Change Over Time and Who Influences Mothers’ Decisions?
Anna H. Abrams, Anita Mathews, Rosalind P. Oden, Brandi Joyner, Rachel Y. Moon. — Abstract 429

46 Use of Echocardiography for the Evaluation of Hypertension
Megan Griffiths, Seth Lapuk, Cynthia D’Alessandri-Silva. — Abstract 430

47 Weight Loss at Discharge of Neonates Born to Mothers with Gestational Diabetes Mellitus
Ysrael T. Lipener, Sreevidya Sreekantha, Ritesh Korumilli, Lilly Q. Lew, Judith Eng, Lourdes Cohen, Susana Rapaport. — Abstract 431

48 Evaluating Home and Office Based Multidisciplinary Programs for Children With Special Health Care Needs
Maureen Braun, Elaine Lin, Nicole Tennermann, Kanasha Seales, Sanite Theophile, Alissa Pierre-Charles, Joseph Tragolo. — Abstract 432

49 Do Serum Bicarbonate Values Correlate with Length of Hospitalization in Pediatric Patients Admitted with Dehydration?
Boran Li, Nancy Palumbo, Stephen Barone. — Abstract 433

50 Predictors of Pediatric Intensive Care Unit (PICU) Admission in Children with Acute Bronchiolitis
Shion Narai, Paulo Pina, Courtney Ann McNamara, David H. Rubin, Alyssa H. Silver. — Abstract 434

51 Morbidity in Children With Genetic Disorders Hospitalized With Viral Respiratory Illnesses
Alexander S. Whitaker, Carol Greene, Alexander G. Agthe. — Abstract 435

52 The Effects of a Pediatric Resident Educational Program on Long-Acting Reversible Contraceptive Knowledge and Counseling

53 A Multi-Faceted, Interdisciplinary Approach Can Improve HPV Vaccination Rates in an Urban Pediatric Practice
Nicola Brodie, Bruce Bernstein, David Cooperberg, Mario Cruz, Katie McPeak. — Abstract 437

54 Identifying Asthma Patients Who Require a Controller Medicine: Comparison of the National Heart, Lung, and Blood Institute (NHLBI) Guidelines With the Healthcare Effectiveness Data and Information Set (HEDIS) Criteria in One Urban Practice
Ashleigh J. Hall, Amer Kechli, Beth Moughan, Carol Smolij, Stephen Aronoff. — Abstract 438

55 Improving Vision Screening Rates of 3-Year-Olds in a Primary Care Clinic
Whitney J. Washburn, Patricia Garcia, Catherine Wiley. — Abstract 439

56 Caregivers Perceptions of Bright Futures Parenting and Discipline Advice and Its Application in a Text Messaging Program
Stacy B. Ellen, Falguni Patel, Bruce A. Bernstein, Lee M. Pachter. — Abstract 440

57 Utilization of Patient Navigators in an Urban Academic Pediatric Primary Care Practice
Eli Sprecher, Jenny Chan, Kathleen Convoy, Joanne Cox. — Abstract 441

58 Shared Care in Pediatrics: Optimizing Co-Management by Primary Care and Subspecialist Physicians
Christine M. Arsnaw, Scott Shipman. — Abstract 442

59 Knowledge and Attitudes about Pediatric Obstructive Sleep Apnea among Caregivers
Jarreau Spencer S. Chen, Daniel Erichsen, David H. Rubin, Paulo R. Pina. — Abstract 443

60 BMI an independent risk factor for increased length of stay in Acute Asthma
Panneet Arora, Praveen Sanghwan, Hafsa Jaed, Yash Shah and Marina Pekar. — Abstract 444

61 Implementation of a Screening program for Detection of Critical Congenital Heart Disease (CCHD) in Newborns in a Large Connecticut Health System
Rachel Klaasen, Eugene D. Shapiro, Robert W. Elder, Jaspreet Loyal. — Abstract 445

62 Physician Discussion of AAP Car Seat Safety Guidelines: Unexpected Racial Disparities
Chelsey Clark, Tammy B. Pham, Tasnim Ahmed, Chuck Ng, Ruth L. Milanaik. — Abstract 446

63 Factors Affecting Weight Loss in Healthy Term Newborns on Mixed Feeds

2016 ESPR Annual Meeting | 21
Sunday, March 13

64 A Physics/Physiology-Based Model for Neonatal Core Thermoregulation in a Radiant Warmer
Yogen Uturkar, Wolfgang Staunten. Abstract 448

65 Association of Single Nucleotide Polymorphisms of Hypoxia Inducible Factor 1 and Retinopathy of Prematurity
Alexander Feldman, Unmesh Paudel, Asma Amin, Lance A. Parton. Abstract 449

66 Outcomes of Preterm Neonates Treated with Vasopressin for Refractory Pulmonary Hypertension: Case Series
Adel A. Mohamed, Deepak Louis, Aiman Sarak, Dany Weiz, Patrick J. McNamara, Amish Jain. Abstract 450

67 Premature Small for Gestational Age (SGA) Infants: What Should Their Blood Pressure Be?
Samantha E. Dizon, Suma B. Hoffman. Abstract 451

68 Increased Clotting Events in Infants with Congenital Diaphragmatic Hernia Treated with Extracorporeal Membrane Oxygenation
El Noh, Betty Chui, Henry Rozyczki, Russell Moore. Abstract 452

69 "Liquid Gold", a Breastfeeding Bundle, Increases Feeding Success in Mothers of Extremely Low Birth Weight Infants

70 Increasing Human Breastmilk Feeding Rates at Discharge in Very Low Birth Weight Infants
Jessica A. Zina, Lora Warren, Jennie Fleming, Jennifer Marion, Rachana Singh. Abstract 454

71 Bacterial Stability with Freezer Storage of Human Milk
Shachee P. Pandya, Champa Codipilly, Harshit Doshi, Richard J. Schanler. Abstract 455

72 The Role of the Type of Full Feeding on the Growth Pattern of Very Preterm Born Infants
Shannon L. Eccles, Rajeev Mehta, Anna Petrova. Abstract 456

73 Outcome of Premature Infants on Liquid Human Milk Fortifier
David Box, Bethany Jung, Shaktunala Chandra. Abstract 457

74 Clinical and Nutritional Outcomes of Two Liquid Human Milk Fortifiers Used in Preterm Infants
S. Lainwala, N. Koyakova, A.M. Spitzoucco, V. Herson, E. Brownell. Abstract 458

75 Readmissions (readm) for Hyperbilirubinemia (BR) Following Phototherapy (PT) in the Nursery, Know Your ABOs
Alexandra Vinci, Ceena Philipose, Warren Rosenfeld. Abstract 459

Medication Administration Practices in the NICU Affect Osmolality of Human Milk
A. Bamanikar, P. Giri, T. Roeder, R. Valdes-Greene, E. LaGamma, B. Parvey. Abstract 460

Do Cardiorespiratory Events Trigger Gastroesophageal Reflux or Vice Versa?
Swati Murphy, Zubair H. Aghai. Abstract 461

Transcutaneous Bilirubin (TCB) Nomogram for Newborns of East Asian (EA) Ethnicity
Puchita Sriniwasan, Michael Brandler, Eli Koenig, Elise Lavery, Piyush Jain, Joseph Abadagare. Abstract 462

Inter and Intra Device Variability in Irradiance Among Phototherapy Devices
Sourabh Verma, Pradeep V. Mally, Sarah L. Zhang, Katherine E. Carome, Martha C. Caprio, Sean M. Bailey. Abstract 463

Identification of Hemolysis in the Well-Baby Nursery
David L. Schatzman. Abstract 464

Reducing Painful Procedures in Late Preterm Infants By Using Umbilical Cord Blood as Alternative to Admission Complete Blood Count
Neera Prakash, Ecezona Maduekwe. Abstract 465

Bilirubin Inhibition of L Cell Adhesion Molecule (L1) Activation of ERK1/2
Eric M. Ly, Gail Cameron, Ningfeng Tang, Min He, Cynthia F. Bearar. Abstract 466

Electrical Grounding Is Associated With Decreased Sympathetic Activity in Preterm Neonates

Sunday, March 13
Plenary Session III
Presentation of the Young Investigator Awards
9:00am – 9:15am — Symphony Ballroom

THE GREAT DEBATE
9:15am – 10:15am — Symphony Ballroom
Dr. Margaret Moon and Dr. Steven Goldstein
Is It Ethical For Pediatricians To Refuse To Create Initial Patient Relationships With Children Whose Parents Refuse Vaccinations

Sunday, March 13
Platform Session Cardiology
10:30am-12:30pm — Maestro A
Moderator: Mohamed Ahmed

10:30am
Extracellular Superoxide Dismutase (ECSD) Over-Expression Reduces Cardiac Dysfunction Induced by Hypoxia in a Pulmonary Hypertension Murine Model
Ayan Rajgarhia, Hardik Patel, Nahla Zaghoul, Kameshwar Ayyasola, J. Martin Lopez, Da Re, Mohamed Ahmed. Abstract 468

10:45am
Investigating Genetic Pathways in Phenotype Specific Congenital Heart Disease Pathogenesis

11:00am
The Impact of Targeted Neonatal Echocardiography (TrECHO) on Practice in Neonatal Intensive Care: A Multicentre Prospective Observational Study

11:15am
Does NIRS Regional Saturation (rSO2) Correlate with Tissue Oxygen Delivery? — A Validation Study
Carmon Koenigshekht, Munnam Rawat, Sylvia Gugino, Bobby Matthew, Praveen Chandrasekarahen, Satyan Lakshminrusimha. Abstract 471

11:30am
Effects of Indomethacin Dosing Strategy on Closure of Patent Ductus Arteriosus in Very Low Birth Weight Neonates
Pooja Rathi, Catherine Messina, Jonathan P. Mintzer. Abstract 472

11:45am
Expanded Screening for Critical Congenital Heart Disease With Pulse Oximetry and Four-Extremity Blood Pressure
Nithi Fernandez, Jessica B. Harrell, Satyanarayana Lakshminrusimha. Abstract 473

12:00pm
Change in Occipital-Frontal Head Circumference Percentile in Single Ventricle Patients Undergoing Glenn Anastomosis
Meaghan Doherty, Jacqueline Kretzer, Daniel G. Winger, Ryan Callahan, Elizabeth Lanford. Abstract 474
Endocrinology

10:30am  Adrenal Insufficiency Testing in X-Linked Adrenoleukodystrophy Identified by Newborn Screen

10:45am  Protein-Induced Hypoglycemia in KATP Hyperinsulinism Is Mediated by the GLP-1 Receptor
  Mary Ellen Vajravelu, Katherine Lord, Stephanie Givler, Diva D. De Leon.

11:00am Hypoglycemia Associated Autonomic Failure (HAAF): Is the Activation of Unfolded Protein Response Associated with the Impaired Epinephrine Release in Recurrent Hypoglycemia?
  Juhye Lena Kim, Necla Kudrick, Edmund F. La Gamma, Bistra Nankova.

11:15am Deficiency of ACAD10 Is Associated With Obesity and Insulin Resistance
  Emir Tas, Zhenwei Gong, Kaitlyn Bloom, Kai Su, Jerry Vockley, Radhika Mucumdar.

11:30am Hypophosphatemia Associated With Elemental Formula Use in Children With Feeding Problems

11:45am Precocious Puberty in Girls and MRI: A Meta-Analysis
  Sena Canas-Osiedemir, Jane L. Garb, Holley F. Allen.

12:00pm Different Murine Tissues Express Different Glucocorticoid Receptor (GR) Isoforms
  Laura J. Novello, Mabel N. Abraham, Daniela M. Jimenez, Clifford S. Deutschman.

12:15pm Identification of Clinical and Pathologic Factors That Predict Bilateral Disease and Metastasis in Pediatric Patients with Low-Risk Differenitated Thyroid Cancer
  Stephanie L. Samuels, Madeline Amberge, Ken Kaczyhaya, N. Scott Adzick, Ganesh Krishnamurthy, Andrew J. Bauer.
**Abstract 516**

**Sandy W. Cheung, Hardik Patel, Mark Pezzano, Mohamed Ahmed.**

**Impact of Hyperoxia on Dendritic Cells**

**12:15pm**

**Addya, Swathi Raman, Deepthi Alapati, Mina Botros, Nazeeh Hanna.**

**Cord Blood Monocytes Hyperoxia Leads to Differential Gene Expression in Environment in Neonatal Immune Cells?**

**11:45am**

**Marina Epelman, Ellen Gurzenda, Xinhua Lin, Chani Traube.**

**Expression of the BTB -ZF Transcription Factors Associated with Poor Respiratory Outcome at One Year**

**11:15am**

**Marwa Khalil, Barry Weinberger, Anna Vetrano, Marie Reynolds, Gloria S. Pryhuber.**

**Inhibitory Molecule CD31 Expression on CD4 T Cells at Birth Is Lower Earlier in Gestation, and Associated with Poor Respiratory Outcome at One Year**

**11:00am**

**Sydney Ariapno, Francesca Thau, David Pritchad, Joanne Choi, Rachel Kobos, Julia Kearney, Kevin Browne, Bruce Greenwald, Gabrielle Silver, Chani Traube.**

**Effect of Intranasally Delivered rhVEGF165 on Angiogenesis Following Cerebral Hypoxia-Ischemia in the Cerebral Cortex of Newborn Piglets**

**10:45am**

**Sudipta K. Basu, Jeffrey R. Kaiser, Jason L. Topham, Rita Ryan, Tom Mariani, Anne Brown, Bruce Greenwald, Gabrielle Silver, Sydney Ariagno, Francesca Thau, David Pritchad, Sima Khademhosseini, Michael L. Brenner.**

**Differential Expression of T-bet and Eomesodermin Response to Hypothermia Treatment: Post Hoc Analysis of the CoolCap Study**

**10:30am**

**Sanjeet K. Panda, Praveen Ballabh.**

**Premature Birth and Neonatal Complications Affect Diversity of Cortical Interneurons in Humans**

**10:15am**

**Marwa Khalil, Barry Weinberger, Anna Vetrano, Marie Reynolds, Gloria S. Pryhuber.**

**Activity of the Pro-inflammatory Cytokines Associated with Poor Respiratory Outcome at One Year**

**10:00am**

**Kristin M. Scheible, Jason Emo, Heidie Huycz, David J. Topham, Rita Ryan, Tom Mariani, Anne Marie Reynolds, Gloria S. Pryhuber.**

**Inhibitory Molecule CD31 Expression on CD4 T Cells at Birth Is Lower Earlier in Gestation, and Associated with Poor Respiratory Outcome at One Year**

**11:15am**

**Sushma Krishna, Jeffrey Perlman, Merline Kocheekkaran V. Benny, David R. Mills, Sushma Krishna, Jeffrey Perlman, Merline Kocheekkaran V. Benny, David R. Mills.**

**Anticonvulsant Drug Induced Apoptosis in the Developing White Matter**

**11:00am**

**Suhasini Kaushal, Patrick A. Forcelli.**

**Premature Birth and Neonatal Complications Affect Diversity of Cortical Interneurons in Humans**

**10:45am**

**Sanjeet K. Panda, Praveen Ballabh.**

**Expression of the BTB -ZF Transcription Factors Family in Neonatal Lymphocytes**

**10:30am**

**Marwa Khalil, Barry Weinerberger, Anna Vetrano, Joshua Vieth, Derek Sant’Angelo.**

**Glycemic Profile Phenotypes in Infants with Hypoxic Ischemic Encephalopathy Predicts Response to Hypothermia Treatment: Post Hoc Analysis of the CoolCap Study**

**10:15am**

**Sudeepta K. Basu, Jeffrey R. Kaiser, Jason L. Topham, Rita Ryan, Tom Mariani, Anne Brown, Bruce Greenwald, Gabrielle Silver, Sydney Ariagno, Francesca Thau, David Pritchad, Sima Khademhosseini, Michael L. Brenner.**

**Erythropoietin Signaling Regulates a Key Epigenetic Pathway in Human Neural Progenitor Cells**

**10:00am**

**Christina Sollinger, Jeffrey Malik, Michael Getman, Laurie Steiner.**

**Can Hyperglycemia Trigger a Pro-inflammatory Environment in Neonatal Immune Cells?**

**11:45am**

**Marina Epelman, Ellen Garzenda, Xinhu Lin, Mina Botros, Nazeeh Hanna.**

**Expression of the BTB -ZF Transcription Factors Family in Neonatal Lymphocytes**

**10:30am**

**Marwa Khalil, Barry Weinerberger, Anna Vetrano, Joshua Vieth, Derek Sant’Angelo.**

**Infants with Severe Bronchopulmonary Dysplasia Developmental Activity after Tracheostomy in**

**12:15pm**

**Soraya Abbasi, Emidio M. Sivieri, Jeffrey S. Gerdes.**

**High Versus Therapeutic Doses of Caffeine Effects on Biomarkers of Inflammation and Oxidative Stress in the Lungs of Neonatal Rats Exposed to Hyperoxia and Intermittent Hypoxia**

**11:15am**

**Johanna M. Calo, Charles Cai, Kultida Soontarapornchui, Taimur Ahmad, Jacob V. Aranda, Kay Beharry.**

**Can Hyperglycemia Trigger a Pro-inflammatory Environment in Neonatal Immune Cells?**

**11:45am**

**Marina Epelman, Ellen Garzenda, Xinhu Lin, Mina Botros, Nazeeh Hanna.**

**Effect of Intranasally Delivered rVGEF6165 on Angiogenesis Following Cerebral Hypoxia-Ischemia in the Cerebral Cortex of Newborn Piglets**

**10:45am**

**Amit Jain, Panagiotis Kritiamenos, Amulya Buddhavarapu, Jahan Ara.**

**Anticonvulsant Drug Induced Apoptosis in the Developing White Matter**

**11:00am**

**Suhasini Kaushal, Patrick A. Forcelli.**

**Erythropoietin Signaling Regulates a Key Epigenetic Pathway in Human Neural Progenitor Cells**

**10:30am**

**Christina Sollinger, Jeffrey Malik, Michael Getman, Laurie Steiner.**

**Pulmonary Vascular Reactivity and Response to Inhaled Nitric Oxide**

**10:45am**

**Vikramaditya Dumpha, Lori Nielsen, Huamei Wang, Vasantha H.S. Kumar.**

**The Effect of Whole Body Hypothermia on Pulmonary Vascular Reactivity and Response to Inhaled Nitric Oxide**

**11:45am**

**Bushra Afzal, Justin Helman, Carmon Koenigsknecht, Sylvia Gugino, Satyan Lakshminrusimha.**

**Early Initiation of Inhaled Nitric Oxide (iNO) Reduces Inflammation and Oxidative Stress and Alters Lung Morphology in Ovine Persistent Pulmonary Hypertension of the Newborn (PPHN)**

**12:00pm**

**Namrita J. Odakal, Shetal I. Shah, Sylvia F. Gugino, Lori Nielsen, Devaraj Sambulingam, Satyan Lakshminrusimha.**

**Improved Growth and Participation in Developmental Activity after Tracheostomy in Infants with Severe Bronchopulmonary Dysplasia**

**12:15pm**

**Jun Luo, Suzanne L. Shepard, Kathleen Nilan, Ann T. Harrington, Kathryn Maschhoff, Haresh Kirpalani, Huayan Zhang.**

**The Effect of Whole Body Hypothermia on Pulmonary Vascular Reactivity and Response to Inhaled Nitric Oxide**

**11:45am**

**Johanna M. Calo, Charles Cai, Kultida Soontarapornchui, Taimur Ahmad, Jacob V. Aranda, Kay Beharry.**

**Can Hyperglycemia Trigger a Pro-inflammatory Environment in Neonatal Immune Cells?**

**11:45am**

**Marina Epelman, Ellen Garzenda, Xinhu Lin, Mina Botros, Nazeeh Hanna.**

**Hyperoxia Leads to Differential Gene Expression in Cord Blood Monocytes**

**12:00pm**

**Swati Murthy, Suhita Gayen nee Betal, Sankar Adhya, Swathi Raman, Deepthi Alapati, Zubair H. Aghai.**

**Impaired Cerebral Autoregulation Is a Predictor of Intraventricular Hemorrhage and Death**

**12:15pm**

**Soma B. Hoffman, Yun-Ju Cheng, Laurence S. Magder, Rose M. Viscardi.**

**Cerebral Edema Following Hypoxia in Newborn Piglets**

**12:00pm**

**Jessica Button, Amulya Buddhavarapu, Maria Delivoria-Papadopoulos, John Gruthosen, Jane McGowan, Shadi Maleeb.**

**Can Hyperglycemia Trigger a Pro-inflammatory Environment in Neonatal Immune Cells?**

**11:45am**

**Marina Epelman, Ellen Garzenda, Xinhu Lin, Mina Botros, Nazeeh Hanna.**

**Can Hyperglycemia Trigger a Pro-inflammatory Environment in Neonatal Immune Cells?**

**11:45am**

**Marina Epelman, Ellen Garzenda, Xinhu Lin, Mina Botros, Nazeeh Hanna.**
Abstract Presenter Index

Index numerals refer to the Abstract number, not the page number. Only Presenting Abstract Authors are included in the Index.
<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zubair Aghai, MD</td>
<td>Nemours/Alfred I. duPont Hospital for Children Philadelphia, PA</td>
</tr>
<tr>
<td>Mohamed Ahmed, MD</td>
<td>Northwell Health Physician Partners New Hyde Park, NY</td>
</tr>
<tr>
<td>Rafia Baloch, MD</td>
<td>Jersey Shore University Medical Center Neptune City, NJ</td>
</tr>
<tr>
<td>Kirsten Bechtel, MD</td>
<td>Yale University School of Medicine New Haven, CT</td>
</tr>
<tr>
<td>Lori Billinghamurst, MD</td>
<td>The Children’s Hospital of Philadelphia Philadelphia, PA</td>
</tr>
<tr>
<td>Joseph M. Bliss, M.D., Ph.D.</td>
<td>Women &amp; Infants Hospital in Rhode Island Providence, RI</td>
</tr>
<tr>
<td>Eda Cengiz, M.D.</td>
<td>Yale University School of Medicine New Haven, CT</td>
</tr>
<tr>
<td>Lori Christ, M.D.</td>
<td>The Children’s Hospital of Philadelphia Philadelphia, PA</td>
</tr>
<tr>
<td>Helen Christou, M.D.</td>
<td>Partners HealthCare Boston, MA</td>
</tr>
<tr>
<td>Kevin Couloures, DO, MPH</td>
<td>Yale University School of Medicine New Haven, CT</td>
</tr>
<tr>
<td>James J. Cummings, M.D.</td>
<td>Albany Medical Center Albany, NY</td>
</tr>
<tr>
<td>Natalie Davis, MD</td>
<td>University of Maryland School of Medicine Baltimore, MD</td>
</tr>
<tr>
<td>Americo Esquibies, MD</td>
<td>Yale University School of Medicine New Haven, CT</td>
</tr>
<tr>
<td>Evan Fieldston, MD, MBA, MSHP</td>
<td>The Children’s Hospital of Philadelphia Philadelphia, PA</td>
</tr>
<tr>
<td>Sailaja Ghanta, MD FAAP</td>
<td>Partners HealthCare Needham Heights, MA</td>
</tr>
<tr>
<td>Semsa Gogcu, MD</td>
<td>Maria Farenzi’s Children’s Hospital New York Medical College Valhalla, NY</td>
</tr>
<tr>
<td>Beatrice Goilav, MD FAAP</td>
<td>The Children’s Hospital at Montefiore Bronx, NY</td>
</tr>
<tr>
<td>Steven Goldstein, MD</td>
<td>New York University New York NY</td>
</tr>
<tr>
<td>Misty Good, MD</td>
<td>University of Pittsburgh Medical Center Pittsburgh, PA</td>
</tr>
<tr>
<td>Jay S. Greenspan, M.D.</td>
<td>Nemours/Alfred I. duPont Hospital for Children Philadelphia, PA</td>
</tr>
<tr>
<td>Hnin Khine, MB, BS</td>
<td>The Children’s Hospital at Montefiore Bronx, NY</td>
</tr>
<tr>
<td>Satyan Lakshminrusimha, M.D.</td>
<td>University at Buffalo Buffalo, NY</td>
</tr>
<tr>
<td>Shadi N. Malaeb, M.D.</td>
<td>Drexel University College of Medicine Philadelphia, PA</td>
</tr>
<tr>
<td>Ronald Vincent Marino, DO MPH FAAP</td>
<td>Winthrop University Hospital Program Mineola, NY</td>
</tr>
<tr>
<td>An Massaro, MD</td>
<td>Children’s National Health System Washington, DC</td>
</tr>
<tr>
<td>Ruth Milanaiak, DO</td>
<td>Northwell Health Physician Partners New Hyde Park, NY</td>
</tr>
<tr>
<td>Margaret Rusha Moon, MD FAAP</td>
<td>The Johns Hopkins School of Medicine Towson, MD</td>
</tr>
<tr>
<td>Patoula Panagos, MD</td>
<td>Nemours/Alfred I. duPont Hospital for Children Wilmington, DE</td>
</tr>
<tr>
<td>Jamie M. Pinto, M.D.</td>
<td>K. Hovnanian Childrens Hospital Neptune, NJ</td>
</tr>
<tr>
<td>George A. Porter, M.D., Ph.D.</td>
<td>University of Rochester Medical Center Rochester, NY</td>
</tr>
<tr>
<td>Joni E. Rabiner, MD</td>
<td>The Children’s Hospital at Montefiore Bronx, NY</td>
</tr>
<tr>
<td>Renee Reijo Pera, Ph.D.</td>
<td>University of California, San Francisco San Francisco, CA</td>
</tr>
<tr>
<td>Eugene D. Shapiro, M.D.</td>
<td>Yale University School of Medicine New Haven, CT</td>
</tr>
<tr>
<td>Pranavkumar Shivakumar, Dpharm, PhD (Tech)</td>
<td>Cincinnati Children’s Hospital Medical Center Cincinnati, OH</td>
</tr>
<tr>
<td>Sharon Smith, MD</td>
<td>Connecticut Children’s Medical Center Hartford, CT</td>
</tr>
<tr>
<td>Kate Tauber, MD</td>
<td>Albany Medical Center Albany, NY</td>
</tr>
<tr>
<td>Khoon-Yen Tay, MD</td>
<td>The Children’s Hospital of Philadelphia Philadelphia, PA</td>
</tr>
<tr>
<td>Rose Marie Viscardi, MD FAAP</td>
<td>University of Maryland Medical Center Baltimore, MD</td>
</tr>
<tr>
<td>Melanie Wellington, MD, PhD</td>
<td>University of Rochester Medical Center Rochester, NY</td>
</tr>
<tr>
<td>Catherine C. Wiley, MD</td>
<td>Connecticut Children’s Medical Center Hartford, CT</td>
</tr>
</tbody>
</table>
SAVE THE DATES!

29TH Annual ESPR Meeting
March 24th - 26th, 2017
Philadelphia, PA

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