



2007 Pediatric Academic Societies' Annual Meeting

May 5–May 8 ~ Toronto, Canada

**Daily Schedule:
Monday, May 7**

(as of April 30, 2007)

7:00am–8:00am

7010 Public Policy Council 21st Annual Legislative Breakfast Symposium: Pediatricians, Pediatric Populations and Public Health Preparedness

TCC, Room 718B

Target Audience: Pediatricians, pediatric department chairs, infectious disease specialists.

Objectives:

- Understand the ethical basis of the physician's responsibility to respond to public health emergencies
- Understand what an "all hazards, all specialty" approach to public health emergencies entails and why such an approach is preferred
- Understand the unique needs of children during disaster situations and the important role pediatricians can play in ensuring these needs are met

Chair: Myron Genel, Yale University School of Medicine, New Haven, CT

The presentation will discuss the ethical basis of the physician's responsibility to respond to public health emergencies and, consequently, the profession's responsibility to ensure the adequate education and training to enable effective response. The roles of individual physicians will be expanded upon and the importance of an "all hazards," "all specialty" approach that integrates medicine and public health will be defined. The necessary and special contribution of pediatricians will be highlighted, as will the special considerations for dealing with pediatric populations under catastrophic conditions.

7:00 Overview

Myron Genel, Yale University School of Medicine, New Haven, CT

7:05 Pediatricians, Pediatric Populations and Public Health Preparedness

James J. James, American Medical Association, Chicago, IL

Sponsored jointly by the Public Policy Council of the APS, AMSPDC, SPR and the Public Policy Committee of the APA

Public Policy Highlights

State of the Art Plenary Session:

Sunday, May 6, 4:15pm–6:15pm

The Public Policy Council and the Ambulatory Pediatric Association's Public Policy Advocacy Committee will jointly sponsor a session entitled *Healthcare for Immigrant Children*

Special Symposium:

Monday, May 7, 12:15pm–1:15pm

The National Children's Study: Update and Future Plans. The panel presenters will discuss the current status of the project, the anticipated budgetary outlook, options to implement the study and respond to questions from the audience.

PUBLIC POLICY COUNCIL LEGISLATIVE REPORT March 2007

OVERVIEW

The following legislative is an update and summary of federal legislative and regulatory actions of interest to the pediatric academic community. We hope that this information will assist you in your advocacy as the 110th Congress begins in earnest. There are several critical and high priority pediatric and child health issues that will need the collective wisdom and support of the entire pediatric community. This includes: the reauthorization of the State Child Health Insurance Program (SCHIP), the reauthorization of the Best Pharmaceuticals for Children Act (BPCA), the Pediatric Rule (PREA), the Prescription Drug User Fee Act (PDUFA) and the reintroduction of the pediatric medical device legislation. The Public Policy Council member organizations played a pivotal role in all of these initiatives when first authorized and your advocacy will again be needed. We encourage you to share this legislative report with your colleagues. Members of the American Pediatric Society, Society for Pediatric Research and the Association of Medical School Pediatric Department Chairs are urged to reach out to their Members of Congress to advocate for key health and pediatric-specific issues.

This report includes information on the following issues:

- Pediatric Research
- Pediatric Drugs
- Pediatric Medical Devices
- Pediatric Workforce
- FY 2007 Budget/Appropriations
- FY 2008 Budget
- Pandemic Influenza
- Access to Health Care
- 2007 PAS Annual Meeting – PPC/APA sponsored sessions
- Congressional Calendar
- How to Contact Congress and the President
- Join the AAP Federal Advocacy Action Network

FY PEDIATRIC RESEARCH

National Institutes of Health (NIH) Reauthorization: In the final hours of the 109th Congress, the NIH reauthorization bill appeared dead, as the Senate refused to take up the measure for a variety of reasons both substantive and political. However, in the final moments of the second session of the 109th Congress, an amended bill did pass in both chambers following significant negotiations with Senators Arlen Specter (R-PA.) and Tom Harkin (D-IA), the chair and ranking member of the Senate Labor-HHS-Education Appropriations Subcommittee, and Senators Mike Enzi (R-WY) and Edward Kennedy (D-MA), the chair and ranking member of the Senate Health, Education, Labor, and Pensions (HELP) Committee and Representative Barton. The amended version of the bill increases the *authorization* levels for NIH to \$30.3 billion in FY 2007 and \$32.8 billion in FY 2008, which represent increases of 7 percent and 8.2 percent respectively. The bill also authorizes "such sums as may be necessary" for FY 2009. The final bill eliminated the 50% funding formula for the common fund, replacing it with a provision leaving common fund funding to the discretion of the NIH Director.

The final version of the bill also included a Clinical and Translational Science Award (CSTA) provision added by the Senate and supported by the National Association of Children's Hospitals. The provision requires the NIH Director to establish a mechanism within CTSA program "to preserve independent funding and infrastructure for pediatric clinical research by allowing the appointment of a secondary principal investigator under a single CTSA with direct authority over a separate budget and infrastructure for pediatric research, or otherwise securing institutional independence of pediatric clinical research centers with respect to finances, infrastructure, resources, and research agenda." The Director is to provide an evaluation and comparison of outcomes and effectiveness in these programs as part of a biennial report to Congress.

President Bush signed the reauthorization legislation into law on January 15 as P.L. 109-687.

National Children's Study: The Joint Resolution signed into law by President Bush on February 15, 2007, included \$69 million for the National Children's Study for FY 2007. This represented a major victory for children and came largely as a result of the long and hard-fought advocacy efforts of many organizations including many in the pediatric community on behalf of the NCS on Capitol Hill.

Funding issues were of prime concern to the December 5, NCS Advisory Committee that includes several pediatricians on it including the chair of the Public Policy Council Dr. Myron Genel. In addition, the Committee discussed the following:

Within the next 18 months, the writing of the study protocol and the peer review of the protocol should be completed.

A special notice for additional study centers was published in the *Federal Register* in October 2006. The notice stated that there was an intent to post a request for proposals (RFP) for awards in 2007, but that doing so was conditional on FY 2007 funding. In the case of a CR funding the NCS at FY 2006 levels for FY 2007, it is likely that, although the study will continue, no new centers will be opened.

As funding for the NCS is a continued concern, the Committee might need to consider ways to cut costs without damaging the credibility of the study. While the sample size and the longitudinal-nature of the study should not be changed, cost-savings could be achieved by opening new centers incrementally.

An informed consent video/interactive tool is being developed for the study. The prototype video describes the study itself and the study's goals, outlines the benefits (no *direct* benefit to participants), and the risks (i.e. duty to report suspected child abuse) involved in participation. The prototype version is directed to already pregnant women, but there will eventually be two additional tools—one directed at women who are not yet pregnant and one at fathers.

Further information and updates are available at <http://www.nationalchildrensstudy.gov>.

Animal Enterprise Terrorism Act: On Monday, November 27, President Bush signed the *Animal Enterprise Terrorism Act* (AETA) into law. This legislation, which received tremendous bi-partisan support in both the House and Senate, amends the Animal Enterprise Protection Act (Title 18, Sec. 43 of the US Criminal Code) and expands criminal prohibitions against the use of force, violence, and threats involving animal enterprises and increased penalties for violations of these prohibitions. The AETA will provide greater protections against intimidation and harassment of researchers and will for the first time address campaigns of secondary and tertiary targeting that cause economic damage to research enterprises. The PPC supported this legislation.

Genetic Information Nondiscrimination Act (GINA): H.R. 493, *The Genetic Information Nondiscrimination Act* (GINA), was reintroduced in the House of Representatives on January 16, 2007. A bipartisan group of 143 original cosponsors—90 Republicans and 53 Democrats—joined the bill's sponsors—Representatives Slaughter (D-NY), Biggert (R-IL), Eshoo (D-CA), and Walden (R-OR)—in its introduction. The bill currently has 205 cosponsors. It's companion bill in the Senate, S.

358, was introduced shortly thereafter on January 22 by Senator Olympia Snowe (R-ME). It now has 25 bipartisan cosponsors. The Senate Health, Education, Labor and Pensions (HELP) Committee passed the legislation out of committee on January 31. The bill was approved 19-2 with no amendments in a brief committee meeting off the Senate floor. The two “no” votes came from Senators Coburn (R-OK) and Burr (R-NC). The House Education and Labor Committee voted on February 14 to move the bill out of their committee, but they made slight changes to the version approved by the Senate HELP Committee. The House Energy and Commerce and Ways and Means Committees because of overlapping jurisdiction must also consider the bill, at least in pro forma fashion.

GINA prohibits discrimination on the basis of genetic information with respect to health insurance and employment. Its purpose is to establish basic legal protections that will enable and encourage individuals to take advantage of genetic screening, counseling, testing, and new therapies that will result from the scientific advances in the field of genetics. The legislation also prevents health insurers from denying coverage or adjusting premiums based on an individual's predisposition to a genetic condition, and prohibits employers from discriminating on the basis of predictive genetic information. Additionally, *GINA* would stop both employers and insurers from requiring applicants to submit to genetic tests, maintain strict use and disclosure requirements of genetic test information, and impose penalties against employers and insurers who violate these provisions. In prior congresses, similar legislation has been passed in the Senate, but has never passed in the House. In his remarks at a NIH Roundtable on Advances in Cancer Prevention on January 17, President Bush urged Congress to pass legislation that makes genetic discrimination illegal.

Members of APS, SPR and AMSPDC are encouraged to contact your Senators and urge them to bring *GINA* to the Senate floor as soon as possible with no weakening amendments and then to vote “yes” when S. 358 reaches the Senate floor and to contact your Representatives and urge them to “cosponsor” H.R. 493.

PEDIATRIC DRUGS

BPCA/PREA: The Best Pharmaceuticals for Children Act (BPCA) and Pediatric Research Equity Act (PREA) have been important policy innovations that have expanded the information about drugs available to pediatricians, families, and other health professional that prescribe drugs for children and adolescents. These laws have resulted in 117 new drug labels with dosing changes, updated safety information, new formulations, etc.

BPCA and PREA will both sunset on October 1, 2007, and will be due for reauthorization in the same year as the Prescription Drug User Fee Act (PDUFA). PDUFA allows FDA to collect “user fees” from pharmaceutical companies to offset the costs of drug approval.

As in past reauthorizations of PDUFA, Members of Congress will likely attempt to add a number of riders to the bill.

Senators Kennedy (D-MA) and Enzi (R-WY) have proposed a large “drug safety” bill that gives FDA broad new authorities to require post-market studies and other types of surveillance, including the ability to impose civil monetary penalties for noncompliance. The Kennedy/Enzi bill would also establish a federal clinical trials database.

Other Members of Congress have introduced bills that would address disputes between branded drugs and generics such as the use of citizen petitions and “30 month stays.” A bill introduced by Senators Deborah Stabenow (D-MI) and Trent Lott (R-MS) and its companion in the House, introduced by Rep. Henry Waxman (D-CA), would, among several other items, also limit or tier the patent extension provided by BPCA. Representatives of the generics industry have said that the BPCA exclusivity extension is being abused and that Congress should reexamine it as it comes due for reauthorization.

Staff for the Senate Health, Education, Labor and Pensions (HELP) Committee has announced the committee's intention to move all FDA-related bills in March as a large package, including BPCA and PREA. The Public Policy Council, as it did in the past, will join the efforts of the Academy to work with Senate co-sponsors to be ready for the HELP Committee timeline.

PEDIATRIC MEDICAL DEVICES

On December 6 Senators Chris Dodd (D-CT) and Mike DeWine (R-OH) introduced the *Pediatric Medical Device Safety and Improvement Act of 2006*. This legislation is supported by the National Organization for Rare Disorders, the Elizabeth Glaser Pediatric AIDS Foundation, the American Thoracic Society, the American Pediatric Society, the Association of Medical School Pediatric Department Chairs, and the Society for Pediatric Research, all of whom are committed to moving it through Congress upon its anticipated reintroduction in the 110th Congress. PPC and AMSPDC member Jon Abramson, MD was very involved in the development of this bill and lead a task force in its development.

PEDIATRIC WORKFORCE/GRADUATE MEDICAL EDUCATION

GME Financing for Children's Hospitals (CHGME) –Reauthorization: On September 28, the House passed legislation reauthorizing the CHGME program for five years (through FY 2011) with a spending ceiling of \$330 million per year. The Senate passed the same bill two days earlier on September 26. The bill makes improvements to the CHGME program by strongly encouraging participating hospitals to report important new data measures to the Department of Health and Human Services, including:

Types of resident training programs;

Numbers of full-time equivalent resident training slots in each training program and the number of slots filled each training year from July 1 through June 30 of the following year;

Types of resident training related to the health care needs of different populations, such as children who are “underserved” for reasons of family income or geographic location;

Changes in residency training since the first year in which the hospital received CHGME support; Numbers of FTE residents

who, upon completion of training, care for children within the hospital's service area or within the borders of the state in which the hospital is located.

The PPC worked very closely with the National Association of Children's Hospitals (N.A.C.H.) to seek passage of this important legislation. President Bush signed the CHGME bill into law (P.L. 109-307) on October 6.

CHGME Funding: Efforts are underway with NACH to insure that adequate and equitable funding is provided for CHGME in FY 2008 - \$330 million. Current funding is \$297 million the same amount as FY 2006. Senators Bond (R-MO), Kennedy (D-MA), Coleman (R-MN), and Murray (D-WA) and Representatives Eschoo (D-CA), Waxman (D-CA), and Pryce (R-OH) are circulating "dear colleague" letters requesting \$330 million for CHGME in the FY 2008 Labor-HHS Appropriations bill.

Title VII Health Professions Program- Appropriations: In FY 2006, Title VII funding was slashed by more than 50%, with funding dropping from \$300 million to a mere \$145 million in although the FY 2007 JR boosted Title VII funding to \$185 million, this victory was short-lived as President Bush's FY 2008 Budget proposal slashed Title VII funding to just \$10 million. According to the specific language in the joint resolution most of the new funding in FY 2007 is related to funding geriatric programs - \$31.5 million – that returns funding to the FY 2005 level; "not less than \$5 million shall be used for pediatric dentistry programs; not less than \$5 million will be used general dentistry and not less than \$24.614 million for family medicine programs" – the remainder is for medicine and pediatrics. HPNEC's FY 2008 funding request is \$550 million, based on a calculation of FY 2005 levels plus inflation.

Reauthorization: Although Title VII reauthorization was discussed at various times throughout the 109th Congress, no legislative action was taken. It remains to be seen what action, if any, will take place in the 110th Congress. It is not anticipated that the Title VII bill will be reauthorized in its entirety but perhaps specific provisions may be reauthorized.

Physicians for Underserved Areas Act: The *Physicians for Underserved Areas Act* extends the J1 visa program for an additional two years. The waiver program allows foreign physicians, including pediatricians, trained in the U.S. to remain in the nation for three years, provided that they treat patients in medically underserved areas.

2007 BUDGET AND APPROPRIATIONS

FY 2007 Joint Resolution (P.L.110-5): Almost 4 ½ months behind schedule, the FY 2007 funding process finally reached closure on February 15, 2007, with President Bush signing the FY 2007 joint resolution, HJR 20. Due in large part to the advocacy efforts of the pediatric community and its many public health partners, the joint resolution (JR) included a \$2.3 billion funding increase for health and education programs over FY 2006 levels. NIH was one of the JR's biggest winners, receiving a funding increase of \$620 million over FY 2006. Community Health Centers also received a funding boost, gaining a \$207 million increase. The immunization program, section 317, received an additional \$32 million. The Title VII health professions program received a slight funding increase of \$40 million over last year. Programs that were proposed for elimination such as EMSC and universal newborn hearing screening were funded. However, the vast majority of other programs, including the Maternal and Child Health Block Grant and AHRQ, received flat funding at 2006 levels.

FY 2008 BUDGET

The President's 2008 budget proposal was released on February 5, 2007. This year's budget and appropriations process is anticipated to be even more complicated than in prior years, as "pay-as-you-go" legislation was instituted at the outset of the 110th Congress and President Bush will likely force the Democrats' hand to make difficult political choices regarding which discretionary programs should receive funds in this tight fiscal climate. While the FY 2008 budget proposal in many places looked remarkably like the past two years there were a few notable exceptions – AHRQ received a modest increase of \$11 million, the FDA an increase of \$95 million, and an additional increase in funding for the Ryan White program. Stay tuned, as your advocacy will be essential as the funding process moves forward in the months ahead.

ACCESS TO HEALTH CARE

Deficit Reduction Act (DRA) Technical Corrections: On December 9, 2006, Congress passed technical corrections to last year's Deficit Reduction Act (DRA) as part of the "tax extenders" bill (H.R. 6111, the "*Tax Relief and Health Care Act of 2006*"). The language appears to solve some of the problems caused by the DRA for foster children, as they are now exempt from any requirement to document their citizenship and identification to qualify for Medicaid. Additionally, some of the cost-sharing provisions for the poorest Medicaid recipients appear to have been rescinded. However, technical corrections do not appear to have adequately addressed the changes the DRA made to the Early and Periodic Screening Diagnostic and Treatment (EPSDT) Program, nor do they appear to have rescinded the policy change for newborns that had formerly been deemed eligible for Medicaid coverage. As such, Congress will likely consider further technical amendments to the DRA during the 110th Congress.

State Child Health Insurance Program (SCHIP) Shortfall: Also in its final days of legislative activity, the 109th Congress agreed to act on the SCHIP funding shortfall expected in 14 states and threatening up to 500,000 children by attaching a "temporary fix" provision on to the National Institutes of Health reauthorization bill. The temporary fix reallocates money from states that did not use all of their SCHIP funding allotments in 2004 (\$125 million total) and 2005 (\$136 million total) to shortfall states. Unfortunately, as of May 4, 2007, some states may begin to run out of funds and be forced to reduce enrollment, curtail benefits, increase patient fees or reduce provider payments.

SCHIP Reauthorization: The 110th Congress is slated to reauthorize the SCHIP law, which is scheduled to expire Sept. 30, 2007. Some of the key issues that must be addressed in reauthorizing SCHIP that SCHIP has funding needed to cover more children, eliminate red-tape barriers to enrollment, and address quality and accountability of child health coverage.

PANDEMIC INFLUENZA

National Strategy for Pandemic Influenza Implementation Plan: On December 18, 2006, the White House released a report providing a six-month update on the *National Strategy for Pandemic Influenza Implementation Plan (Implementation Plan)*. The *Implementation Plan* itself was released in May 2006. In conjunction with the report's release, Rajeev Venkayya, M.D., Special Assistant to the President for Homeland Security, hosted an interactive teleconference call with stakeholders to address their concerns regarding the status of the implementation plan. Staff participated in this call. The report finds that 92 percent of action items due within six months have been completed, with 8 percent "in progress." The due dates for twelve items related to community containment are postponed until February 1, 2007, pending additional analysis, and were not included in the report. The six-month progress report is available at <http://www.pandemicflu.gov/plan/federal/strateryimplementationplan.html>

Pandemic and All-Hazards Preparedness Act: The *Pandemic and All-Hazards Preparedness Act* passed in final hours of the 109th Congress. The legislation reauthorizes (through 2011) a law related to bio-terrorism and disease outbreak preparedness and would establish the Biomedical Advanced Research and Development Authority (BARDA) to coordinate federal efforts to produce countermeasures against biological weapons and diseases. The legislation includes a provision allowing the Secretary to track the initial distribution of federally purchased influenza vaccine in an influenza pandemic.

2007 Congressional Calendar (110th Congress – First Session)

April 2 – 9:	Easter Recess (Senate)
April 2 – 13:	Easter Recess (House)
May 28 - June 1:	Memorial Day Recess
July 2 - 6:	July 4th Recess
August 6 - Sept. 3:	August Recess
October 26:	Target Adjournment (House)

HOW TO CONTACT YOUR MEMBER OF CONGRESS:

Write: The letter remains the most popular choice of communication with a congressional office. If you decide to write a letter, remember to be courteous, to the point, and include key information and personal examples to support your position. Address only one issue in each letter and, if possible, keep the length to one page.

To a Senator:	To a Representative:
The Honorable (name)	The Honorable (name)
United States Senate	United States House of Representatives
Washington, DC 20510	Washington, DC 20515
Dear Senator _____:	Dear Representative ____:

Fax: Currently it is best to fax and **not** mail your letter to Congress. Fax numbers are available through the Capitol Hill Switchboard (202) 224-3121, or you can look up your members of Congress on "Thomas" the official website for Congress, available at <http://thomas.loc.gov/>, by going to "House Directory" or "Senate Directory" from the front page.

Call: You can contact your Senators and Representative's offices by calling the U.S. Capitol Hill Switchboard at (202) 224-3121. If you do not know who your Representative is, the switchboard operator will be able to direct you to the proper office. Ask to speak to the staff member who works on health care issues. Be prepared to leave a very short message as well as your name and address. You can also call your legislators in their home districts; if you are a member of the American Academy of Pediatrics, information about local offices is available on the AAP Member Center website, www.aap.org/moc.

E-mail: All of members of Congress now have e-mail addresses, but there is no set format for them. On some members web sites there is a mechanism to directly email most notably if you are a constituent. We suggest calling the congressional office to get an accurate e-mail address or visit www.aap.org/moc the Member Center website of the AAP. Be sure to identify, in the subject line, that you are a constituent along with the legislative topic of the email correspondence.

HOW TO CONTACT THE PRESIDENT

Write: The Honorable George W. Bush
The White House
1600 Pennsylvania Avenue
Washington, DC 20500
Call: 202-456-1414
Fax: 202-456-2461
E-mail: president@whitehouse.gov

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CONSIDER JOINING THE AAP FEDERAL ADVOCACY ACTION NETWORK (FAAN)

The American Academy of Pediatrics invites you to become a member of the Federal Advocacy Action Network (FAAN). Coordinated by the AAP Department of Federal Affairs, FAAN is a network of AAP members who help support federal legislative and regulatory activities from their position as constituents. FAAN members play an important role in passing

federal legislation that benefits children and pediatricians.

The AAP Department of Federal Affairs gives FAAN members the information and tools you need to persuade your legislators. For example, each month via e-mail you will receive FAAN MAIL with updates on AAP legislative priorities in Washington, D.C. We will keep you up to date with timely information with “*THIS JUST IN.*” You will also receive “*SPECIAL ALERTS*” when immediate action is needed by you on a key issue.

To join FAAN go to the Member Center of the AAP web site, www.aap.org/moc, and click on Federal Affairs, then click on Join FAAN and follow the easy directions. The Members Only Channel has some great tools to make your advocacy work easy. Find the names of Congressional representatives, contact legislators via e-mail, read about daily congressional activity, view actual bills and use the media contact list.

If you are already a member of FAAN, thank you! If you are interested in joining FAAN and have questions, please contact Priscilla Ring (pring@aap.org) in the AAP Department of Federal Affairs at 800/336-5475. Together we can make a real difference for children and pediatricians!

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Public Policy Council Members:

APS Myron Genel, MD; Jimmy Simon, MD
SPR Christine Gleason, MD; Elena Fuentes-Afflick, MD, MPH
AMSPDC Russell Chesney, MD; Jon Abramson, MD

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Report Submitted By:

Myron Genel, MD, Chairman
Karen M. Hendricks, JD, Washington Coordinator
Stephanie Russell, JD, Legislative Assistant

Additional information and resource material on these and other pediatric and child health issues are available from: Washington Coordinator, Karen M. Hendricks, JD (KHendricks@aap.org) or Stephanie A. Russell, JD, (SRussell@aap.org).

Public Policy Council

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Phone: 800/336-5475 or 202/347-8600; Fax: 202/393-6137

7:00am–7:50am

7005A IPHA Business Meeting
Fairmont Royal York, Library

7:00am–8:00am

APA Regional Breakfasts

FRY

Region I	Confederation 6
Region II	Confederation 3
Region III	Prince Edward Island
Region IV	Tudor 7
Region IX and X	Tudor 8
Region V	Algonquin
Region VI	Nova Scotia
Region VII	Confederation 5
Region VIII	Saskatchewan

8:00am–10:00am

7100 Balancing Regulation with the Need for Research in Children

PAS/LWPES State of the Art Plenary ~ TCC, Room 718B

Target Audience: General pediatricians and clinical researchers in all pediatric subspecialties.

Objectives:

- Understand the regulatory definition of minimal risk
- Understand the regulatory barriers to clinical research in children and what may be done to alleviate them

Chair: Robert L. Rosenfield, University of Chicago, Chicago, IL

In spite of a mandate for the inclusion of children in federally funded research, the current regulatory environment, designed to protect children, imposes barriers to pediatric research that contribute to the disaffection of a generation of academic pediatricians from undertaking high-quality clinical research.

This panel brings together experts in diverse fields of pediatrics, ethics and regulatory compliance to discuss measures and strategies that could be adopted to alleviate this problem. Concrete examples of problems with questions will be addressed, such as: how might standardized interpretation of minor risk be generated to form a web-based registry of protocols defined as minor risk; how might the system permit precedents to be set for procedures in protocols that are approved after CFR 407/50.54 review; might screening advisory panels be possible to implement the process; how might redundancy of scientific and ethics reviews be eliminated?

This session will be formatted as a panel discussion.

Robert L. Rosenfield, University of Chicago, Chicago, IL; President-Elect, Lawson Wilkins Pediatric Endocrine Society

Norman Fost, University of Wisconsin Medical School, Madison, WI; Chair, Pediatric Ethics Subcommittee of FDA Pediatric Drug Advisory Committee

Roberta A. Ballard, University of California, San Francisco, San Francisco, CA

Robert Meland Nelson, FDA Office of Pediatric Therapeutics, Rockville, MD and The Children's Hospital of Philadelphia and the University of Pennsylvania, Philadelphia PA

Bernard A. Schwetz, Office for Human Research Protection, Department of Health and Human Services, Rockville, MD

Robert L. Rosenfield, University of Chicago, Chicago, IL; President-Elect, Lawson Wilkins Pediatric Endocrine Society

Fifteen minutes will be left for open discussion of questions from the audience. Questions for consideration are encouraged in advance by email to robros@peds.bsd.uchicago.edu.

Sponsored jointly by the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

8:00am–10:00am

7103 Heart Failure—Clinical, Molecular and Therapeutic Aspects

PAS Topic Symposium ~ TCC, Room 716A

Target Audience: Physicians, scientists and trainees with interest in treating children with heart failure, as well as experimental therapeutics such as pharmacogenomics. This includes specialists in pediatric cardiology and critical care.

Objectives:

- Understand the pathophysiologic and genetic underpinnings of congestive heart failure
- Understand the role of personalized medicine in approaching the treatment of congestive heart failure
- Understand the state-of-the-art research directed at new treatments for congestive heart failure

Chair: Daniel Bernstein, Stanford University Medical Center, Palo Alto, CA

This topic symposium is directed toward educating interested members about the state of the art in heart failure, both from the clinical and translational points of view. The discussion will range from the current understanding of heart failure, both pathophysiologically and genetically, to novel therapeutic considerations. The latter will include the use of pharmacogenomics to stratify therapeutic intervention and translational research in the development of novel CHF therapeutics.

8:00 Introduction

Daniel Bernstein, Packard Children's Hospital and Stanford University, Stanford, CA

8:10 Pathophysiology of CHF

Seema Mital, The Hospital for Sick Children, Toronto, Ontario, Canada

8:35 Genetic Basis of CHF

Jeffrey A. Towbin, Baylor College of Medicine, Houston, TX

9:00 Pharmacogenomics of CHF Therapy

Michael R. Bristow, University of Colorado at Denver Health Sciences Center, Denver, CO

9:25 Molecular Therapies for the Treatment of CHF

Roger Hajjar, Massachusetts General Hospital, Boston, MA

9:45 Discussion

8:00am–10:00am

7105 Innovative Solutions to the Leading Causes of Morbidity and Mortality for Children in Developing Countries

PAS/PGPR/PIDS Topic Symposium ~ TCC, Hall G

Target Audience: General academic pediatricians, pediatric infectious diseases specialists, physicians interested in public health and international health issues.

Objectives:

- List the leading causes of morbidity and death for children in the developing world
- Explain the impact of rotavirus and malaria infections upon children in the developing world

Chairs: Peter Hotez, The George Washington University School of Medicine, Washington, DC; and Pearay Ogra, Children's Hospital of Buffalo, Buffalo, NY

This session, highlighting the newly formed PIDS International Committee chaired by Drs. Hotez and Ogra, will provide an

overview of the leading causes of death and morbidity for children in developing countries, and some innovative solutions that could make major differences.

8:00 The Burden of Childhood Disease in the Developing World

Christopher Murray, Harvard Medical School, Cambridge, MA

8:30 The Burden of Childhood Diarrhea Disease: Challenges to Introduce Bio-Medical Controls in Developing Countries

Mark A. Miller, National Institutes of Health, Fogarty International Center, Bethesda, MD

9:00 The Rotavirus Vaccine: From Bench to Bedside

Paul A. Offit, Children's Hospital of Philadelphia, Philadelphia, PA

9:30 Pediatric Malaria: Defining the Problem, Devising Solutions

Chandy C. John, University of Minnesota, Minneapolis, MN

Sponsored jointly by the Programme for Global Paediatric Research, Pediatric Infectious Diseases Society and the Pediatric Academic Societies

8:00am–10:00am

7110 Mechanism and Management of Dyslipidemias in Children and Adolescents

PAS/ASPNI/IPHA/NASPGHAN/LWPES Topic Symposium ~ TCC, Room 718A

Target Audience: Pediatric generalists, nephrologists, endocrinologists, geneticists, cardiologists and gastroenterologists.

Objectives:

- Understand molecular etiology and pathophysiology of congenital lipodystrophies and dyslipidemia of chronic renal failure
- Understand clinical management of congenital lipodystrophies and dyslipidemia of chronic renal failure

Chairs: Susan Furth, Johns Hopkins University, Baltimore, MD; and Holley Allen, Baystate Medical Center Children's Hospital, Springfield, MA

Dyslipidemia imparts a substantial risk for CV disease in children. The chance for adverse CV outcomes is higher in children with co-morbidities such as chronic renal disease. New adult guidelines have recently lowered the threshold for the treatment of dyslipidemia in adults. However, childhood guidelines have not been revised for over a decade. This symposium will discuss recent advances in our understanding of the molecular etiology, pathophysiology and clinical management of congenital lipodystrophies and dyslipidemia of chronic renal failure. This forum will also facilitate a discussion regarding the scientific basis and practical implications of adopting new guidelines for treatment of dyslipidemia in children.

8:00 Classification, Genetics and Clinical Spectrum

Robert A. Hegele, Robarts Research Institute, University of Western Ontario, London, Ontario, Canada

8:30 New Therapies for Lipodystrophy Syndromes: Lessons to Learn for More Common Conditions

Elif Oral, University of Michigan Medical School, Ann Arbor, MI

9:00 Dyslipidemia of Chronic Renal Failure

Jeffrey M. Saland, Mount Sinai Medical Center, New York, NY

9:30 Updated Recommendations on Treatment of Dyslipidemia in Children – New Guidelines from the AHA

Brian W. McCrindle, The Hospital for Sick Children, Toronto, Ontario, Canada

Sponsored jointly by the American Society of Pediatric Nephrology; International Pediatric Hypertension Association; Lawson Wilkins Pediatric Endocrine Society; North American Society for Pediatric Gastroenterology, Hepatology and Nutrition; and the Pediatric Academic Societies

8:00am–10:00am

7120 Adolescent Medicine II

PAS Platform Session ~ TCC, Room 713AB

Chairs: Jonathan M. Ellen and Eric J. Sigel

8:00 * Emergency Department Management of Adolescents with Urinary Complaints: Missed Opportunities. Najah S. Musacchio, Sejal Gehani, Robert Garofalo. *Publication 7120.1*

8:15 Exposure to Alcohol in Motion Pictures and Teen Drinking in Germany. Reiner Hanewinkel, James D. Sargent. *Publication 7120.2*

8:30 Reduction in Disparities in Health Care Utilization among U.S. Adolescents with a Medical Home or Health Insurance, National Survey of Children's Health, 2003. Nidhi Jain, Philip Smith. (Sponsored by Jeanne Santoli) *Publication 7120.3*

8:45 Comparison of Natural History of HPV Using Self-Obtained Vaginal Swabs vs Clinician-Collected Cervical Samples. Lea Widdice, Sepideh Farhat, Yifei Ma, Cheryl Godwin de Medina, Evelyn Hanson, Janet Jonte, Jen Simington, Julie Jay, Susanna Miller-Benningfield, Anna-Barbara Moscicki. *Publication 7120.4*

9:00 * Self-Perceived Body Weight Discrepancy and Suicidal Ideation among U.S. Adolescents. Rohan K. Henry, Matthew M. Davis, Susan J. Woolford. *Publication 7120.5*

9:15 Are Popular Students at Increased Risk for Involvement in Negative Health Behaviors? Sara B. Kinsman, Lisa Nicholson, Chrissie M. Forke, David Shera, Rachel K. Myers, Donald F. Schwarz. *Publication 7120.6*

- 9:30 Adolescent Use of Emergency Department: Does Source of Primary Care Make a Difference?** Elizabeth M. Alderman, Jeffrey R. Avner, Andrew D. Racine. *Publication 7120.7*
- 9:45 * Resources and Barriers To Providing Primary Care for Young Adults with Childhood-Onset Chronic Diseases.** Megumi J. Okumura, Eve A. Kerr, Matthew M. Davis, Michael D. Cabana, Michele M. Heiser. *Publication 7120.8*

8:00am–10:00am

7125 Emergency Medicine II

PAS Platform Session ~ TCC, Room 717AB

Chairs: David L. McGillivray and Raymond D. Pitetti

- 8:00 Prospective Validation of a Pediatric Dehydration Scale in Children with Acute Gastroenteritis in the Emergency Department.** Ran D. Goldman, Jeremy N. Friedman, Patricia C. Parkin. *Publication 7125.1*
- 8:15 Effect of Antibiotic Pretreatment on Cerebrospinal Fluid Profiles of Children with Culture Proven Bacterial Meningitis.** L. Nigrovic, N. Kuppermann, C. Macias, J. Kanegaye, D. Moro-Sutherland, R. Schremmer, S. Schwab, D. Agrawal, K. Mansour, J. Bennett, Y. Katsogridakis, M. Mohseni, B. Bulloch, D. Steele, R. Kaplan, M. Herman, S. Bandyopadhyay, P. Dayan, U. Troung, V. Wang, B. Bonsu, J. Chapman, R. Malley. *Publication 7125.2*
- 8:30 * Observation Therapy for Acute Otitis Media in the Emergency Department.** Jennifer H. Chao, Sergey Kunkov, Lilia B. Reyes, Stephanie Lichten, Ellen F. Crain. *Publication 7125.3*
- 8:45 * Laser Assisted Anesthesia Prior to Intravenous Cannulation; Acceptability and Effectiveness in Children.** Deena Berkowitz, Ira T. Cohen. *Publication 7125.4*
- 9:00 PAMPPER; a Novel Pediatric Pain Management Educational Program for EMS Providers.** Halim Hennes, Deborah Simpson, Ronald Pirrallo, Judith Rehm, Kenneth Sternig, Del Szewczuga, Michael Kim. *Publication 7125.5*
- 9:15 Propofol vs. Pentobarbital for Sedation of Children Undergoing MR Imaging: Results from the Pediatric Sedation Research Consortium.** Michael D. Mallory, Amy Baxter, Susanne Kost. *Publication 7125.6*
- 9:30 Efficacy and Impact of Intravenous Morphine before Surgical Consult in Children with Right Lower Quadrant Pain Suggestive of Appendicitis: A Randomized Controlled Trial.** Benoit Bailey, Sylvie Bergeron, Jocelyn Gravel, Jean-Francois Bussieres, Arie Bensoussan. (Sponsored by Anne-Claude Bernard-Bonnin)*Publication 7125.7*
- 9:45 * Use of Intranasal Fentanyl for the Relief of Orthopedic Trauma Pain.** Mary Saunders, Kathleen Adelgais, Doug Nelson. *Publication 7125.8*

8:00am–10:00am

7130 Environmental Health

PAS Platform Session ~ TCC, Room 716B

Chairs: Dana Best and Ruth A. Etzel

- 8:00 Seasonal Trends and Environmental Predictors of Exhaled Nitric Oxide in Children with Asthma.** Adam J. Spanier, Richard Hornung, Robert Kahn, Michelle Lierl, Bruce P. Lanphear. *Publication 7130.1*
- 8:15 * Effects of Glutathione S-Transferase P1 (GSTP1) Gene Polymorphism and Environmental Exposures on the Development of Asthma.** Kathy T. Schroer, Jocelyn M. Biagini, Patrick H. Ryan, Grace K. LeMasters, David I. Bernstein, James E. Lockey, Gurjit K. Khurana Hershey. *Publication 7130.2*
- 8:30 * Environmental Tobacco Smoke and Behaviors of Inner-City Children with Asthma.** Maria Fagnano, Kelly M. Conn, Jill S. Halterman. *Publication 7130.3*
- 8:45 A Multiple Risk Factor Behavioral Intervention Reduces Environmental Tobacco Smoke Exposure (ETSE) Effects on Pregnancy Outcomes.** Ayman A.E. El-Mohandes, Michele Kiely, Marie G. Gantz, Nabil El-Khorazaty. *Publication 7130.4*
- 9:00 Changes from 2000 to 2006 in U.S. Adult Attitudes and Practices Regarding Children's Exposure to Second Hand Smoke.** Robert C. McMillen, Jonathan Winickoff, Susanne Tanski, Jonathan D. Klein, Michael Weitzman. *Publication 7130.5*
- 9:15 Exposures Related to Pesticide Residues in Children.** James R. Roberts, John R. Reigart, Thomas C. Hulsey. *Publication 7130.6*
- 9:30 The Association between Scholastic Achievement Scores and Concentrations of Pesticides and Nitrates in Surface Water at the Time of Conception in Indiana.** Paul D. Winchester, Jun Ying, Wesley Bruce, Janetta Matesan. (Sponsored by James Lemons) *Publication 7130.7*
- 9:45 The Association of Monthly Preterm Birth Rates in the US with Concentrations of Nitrates and Pesticides in Surface Water.** Paul D. Winchester, Akosua Boadiwaa Adu-Boahene, Alex K. Williamson, Ying Jun, Sarah L. Kosten. (Sponsored by James Lemons) *Publication 7130.8*

8:00am–10:00am

7135 Epidemiology I

PAS Platform Session ~ TCC, Room 715B

Chairs: Diane L. Langkamp and Linda J. Van Marter

- 8:00 *** **Booster Seat Legislation and Fatalities from Motor Vehicle Collisions among Children.** Pamela G. Farmer, Alison K. Macpherson, Linda Rothman, Andrew Howard. (Sponsored by Astrid Guttmann) *Publication 7135.1*
- 8:15** **Utility of the Metabolic Syndrome Defined by Modified ATPIII Criteria To Identify Insulin Resistance in Overweight Children and Adolescents.** Sarita Dhuper, Vipin Agarwalla, Rosemarie StVictor, Josephine Daniel, Michelle B. Elliot, Sanjay Arora, Hillel W. Cohen. *Publication 7135.2*
- 8:30** **Home Nurse and Environmental Interventions Improve Child Asthma Symptoms.** John Meurer, Tim Lefeber, Jennifer Cohn, Evelyn Kuhn, Amy Murphy, Jill Breysse. *Publication 7135.3*
- 8:45** **Diagnoses Associated with Atypical Antipsychotic Use in Privately-Insured Children.** Donna R. Halloran, Jason Swindle, Steve K. Takemoto. *Publication 7135.4*
- 9:00** **Is More Intervention Better? Results of an Integrated Intervention for Behavioral Risk Factors in a Population of High Risk African American Mothers.** Michele Kiely, Nabil El-Khorazaty, Marie G. Gantz, Kathy S. Katz, Ayman A.E. El-Mohandes. *Publication 7135.5*
- 9:15 *** **Baby Care Products: Sources of Infant Phthalate Exposure.** Sheela Sathyanarayana, Catherine Karr Karr, Paula Lozano, Brown Elizabeth, Swan Shanna. *Publication 7135.6*
- 9:30** **A Population-Based Cohort Study of Parental Vaccine Refusal: Failure to Fully Immunize Infants and the Risk of Pertussis Infection.** Jason M. Glanz, David L. McClure, Simon Hambidge. *Publication 7135.7*
- 9:45** **What Makes Mothers Change Their Minds? Unexpected Results around Accuracy of Breastfeeding Data on the Massachusetts Birth Certificate.** Anne Merewood, Tina Navidi, Jana Chaudhuri. (Sponsored by Howard Bauchner) *Publication 7135.8*

8:00am–10:00am

7140 Lung Biology

PAS Platform Session ~ TCC, Room 703

Chairs: Julian L. Allen and Vivek Balasubramaniam

- 8:00** ***In Vitro* IL-8 Promoter Activity Following Engineered Peptide Exposure.** Shruti M. Paranjape, Neeraj Vij, Steven Mazur, Pamela L. Zeitlin. *Publication 7140.1*
- 8:15** **Mitochondrial Translocation of p53 and Bax in Oxidant-Induced Cell Death.** Yuko Arita, Jeffrey A. Kazzaz, Yuchi Li. (Sponsored by Warren Nathan Rosenfeld) *Publication 7140.2*
- 8:30** **Human Fetal (HLF-F) and Adult Lung Fibroblasts (HLF-A) Exhibit Differential Contraction and Apoptotic Response in a Collagen Matrix.** Angels Navarro, M.O. Rezaiekhalthigh, Ricardo E. Perez, Sherry Mabry, Dong Xu, William E. Truog, Ikechukwu Ekekezie. *Publication 7140.3*
- 8:45 *** **Toll-Like Receptor 2 (TLR2) Expression and Activity in Human Airway Epithelia: Effects of Cytokine and Corticosteroid Exposure.** Audra A. Winder, Christine Wohlford-Lenane, Paul B. McCray. *Publication 7140.4*
- 9:00** **TROP2: A Regulator of Fetal Lung Development?** Megan J. Wallace, Annie R.A. McDougall, Valerie A. Zahra, Stuart B. Hooper. (Sponsored by Paul G. Ekert) *Publication 7140.5*
- 9:15** **Effects of Prenatal Hypoxia on Growth and Pulmonary Vascular Reactivity in Chickens Prone to Pulmonary Hypertension.** Bea Zoer, Lilian Kessels, Addie Vereijken, Veerle Bruggeman, Jo De Mey, Eddy Decuyper, Carlos Blanco, Eduardo Villamor. *Publication 7140.6*
- 9:30** **Cytokine-Induced L-Arginine Metabolism Depends on Cationic Amino Acid Transporter Activity in Pulmonary Arterial Endothelial Cells.** Leif D. Nelin, Tamara L. Young, Rebecca J. Evans, Louis G. Chicoine. *Publication 7140.7*
- 9:45 *** **ZnCl₂ Increases Barrier Function in Pulmonary Arterial Endothelial Cells (PAEC) through Increased Activity of Endothelial NO Synthase (eNOS).** Anita D. Smith, Jason Wilham, Albert C. Grobe, John D. Catravas, Stephen M. Black. *Publication 7140.8*

8:00am–10:00am

7145 Neonatal Neurology - Neuroprotection

PAS Poster Symposium ~ TCC, Room 701B

Viewing: 8:00am–8:30am

Discussion: 8:30am–10:00am

Chairs: Pierre M. Gressens and Sandra E. Juul

- 1*** **Combination Treatment with Bumetanide and Phenobarbital Suppresses Seizures in a Model of Perinatal Hypoxia.** Thanhthao Huynh, Delia Talos, Alexander Rotenberg, Frances E. Jensen. (Sponsored by Simon Manning) *Publication 7145.1*
- 2** **Cardiotrophin-1 Prevents Neuronal Death In Vivo and In Vitro.** Tongchun Wen, Augusto Sola, Hui Peng, James Moore, Marta Rogido. *Publication 7145.2*

- 3 **A Novel Mouse Model of Neonatal Stress and Morphine (MS) Treatment.** Jared Boasen, Christine Gleason, Sandra Juul. *Publication 7145.3*
- 4* **Targeted Sensorimotor Intervention Attenuates Contralateral Sensorimotor Deficit after Unilateral Neonatal Cerebral Hypoxia-Ischemia.** Joyce Li, Yi-Qing Liu, Emily Hull, Tim Schallert, John Barks. *Publication 7145.4*
- 5 **Hypothermia Induces Uncoupling of Cerebral Mitochondrial Respiration Following Hypoxic-Ischemic (HI) Brain Injury in Neonatal Mice.** Casper S. Caspersen, Serhei Slinko, Vadim S. Ten, Richard Polin. *Publication 7145.5*
- 6 **Investigating Erythropoietin as a Neuroprotective Agent in an Ovine Model of Endotoxin-Induced Brain Damage.** Sandra Rees, Rob De Matteo, Nadia Hale, Lisa Cardamone, Mary Tolcos, Megan Probyn, Richard Harding. (Sponsored by Rod Hunt) *Publication 7145.6*
- 7 **Inverse Dose Response for Neuroprotection with the Alpha2-Adrenergic Receptor Agonist Clonidine after Severe Hypoxia in Preterm Fetal Sheep.** Justin M. Dean, Sherly George, Andrew S. Naylor, Laura Bennet, Alistair J. Gunn. *Publication 7145.7*
- 8 **Hypothermia Increases Erythropoietin Receptor Expression in Neurons through an Adenosine and ATP Signaling Pathway.** James Moore, Hui Peng, Tong Wen, Marta Rogido, Augusto Sola. *Publication 7145.8*
- 9* **Inhibition of Neuronal Nitric Oxide Synthase in Fetal Rabbit Brain Slices after In Vivo Injury Is Protective.** Suma Rao, Zhenlang Lin, Xinhai Ji, Nina Sahay, Alexander Drobyshevsky, Lei Yu, Richard Silverman, Matthew Derrick, Sidhartha Tan. *Publication 7145.9*
- 10* **Effects of Combined Hypothermia and Creatine on Outcome Following Neonatal Hypoxic-Ischemia.** Scott L. Hess, Kathryn G. Todd, Edward A. Armstrong, Amy Terepocki, Jerome Y. Yager. *Publication 7145.10*

8:00am–10:00am

7150 Obesity III: Clinical Advances

PAS Poster Symposium ~ TCC, Room 801B

Viewing: 8:00am–8:30am

Discussion: 8:30am–10:00am

Chairs: Tamara S. Hannon and Alex R. Kemper

- 1 **Assessment of Factors Which Contribute to Patient Attrition from a Pediatric Cardiac Risk Factor Reduction Program.** Vanessa Wong, Katrinka T. Kip, William N. Evans, Gary A. Mayman, Ruben J. Acherman, Carlos F. Luna, Juan C. Collazos, Joe Ludwick, Humberto Restrepo. *Publication 7150.1*
- 2* **Assessing How Well Adolescents across the U.S. Meet Obesity Prevention Goals.** J.L. Foltz, S.R. Cook, P.G. Szilagyi, P. Auinger, S. Bucher, P.A. Stewart. *Publication 7150.2*
- 3* **Echocardiographic Assessment of Systolic and Diastolic Function in Overweight vs Normal Weight Children.** Sarita Dhuper, Avichal Aggarwal, Sanjay Arora, Laya Weichbrod. *Publication 7150.3*
- 4* **The Impact of Provider Level of Training on Screening and Treatment of Pediatric Overweight.** Jennifer Hillman, Sarah Corathers, Stephen Wilson. *Publication 7150.4*
- 5 **Assessing Readiness in a YMCA-Based Healthy Lifestyle Program for Overweight Youth and Families.** Lenna Liu, Mo Pomietto, Linna Verhei, Andrea Robertson, Patty Hencz. *Publication 7150.5*
- 6 **Can Pediatricians Help Parents Recognize That Their Children Are Overweight?** Eliana M. Perrin, J.C. Jacobson Vann, K.B. Flower, Z. Gizlice, G.H. Chung, A.S. Ammerman, J.T. Benjamin. *Publication 7150.6*
- 7 **Impact of a Multi-Disciplinary Pediatric Weight Management Program in High Risk Populations.** Joseph Skelton, Qun Xiang, Glenn Flores. *Publication 7150.7*
- 8* **Parents' Perceptions of Their Children's Weight, Eating Habits, and Physical Activities at Home and at School.** Sheeba Mesghali, Elvira Jaballas, Carla Clasen, Adrienne Stolfi, Johanna Hadley, Marianne Urban, Dorothy Clark. *Publication 7150.8*
- 9* **Underestimation of Children's Weight Status: Views of Parents in an Urban Community.** J.M. Tschamler, K.M. Conn, S.R. Cook, J.S. Halterman. *Publication 7150.9*
- 10 **Weight and Blood Pressure Trends over 18 Years among Young Children: Findings from a Caribbean Population.** Laurence M. van Hanswijck de Jonge. (Sponsored by Nicolas Stettler) *Publication 7150.10*
- 11 **A Pediatric Provider Toolkit's Effect on Children's Nutrition and Activity Behavior Change.** Eliana M. Perrin, K.B. Flower, J.C. Jacobson Vann, J.T. Benjamin, G.H. Chung, L. Pullen-Davis, A.S. Ammerman. *Publication 7150.11*
- 12 **Changes in Adiposity during Puberty.** N. Mihalopoulos, R. Holubkov, P. Young. *Publication 7150.12*

8:00am–10:00am

7155 Preterm Lung: Ventilation & CPAP

PAS Poster Symposium ~ TCC, Room 701A

Viewing: 8:00am–8:30am

Discussion: 8:30am–10:00am

Chairs: Eduardo Bancalari and Stephen E. Welty

- 1* **In-Utero Ventilation: Timeline of Injury.** Beth J. Allison, Kelly J. Crossley, Sharon J. Flecknoe, Colin J. Morley, Richard Harding, Stuart B. Hooper. (Sponsored by Paul G. Ekert) *Publication 7155.1*
- 2* **Surfactant Deficient Preterm Lambs Have Ventilator Induced Lung Inflammation Despite PEEP Use during Resuscitation.** N.H. Hillman, G.R. Polglase, J.J. Pillow, F.C. Cheah, S.G. Kallapur, M. Ikegami, B.W. Kramer, T.J. Moss, A.H. Jobe. *Publication 7155.2*
- 3 **High Oxygen Content, Low Temperature and Dry Inspired Air Increase Inflammation in the Newborn Lung.** J. Jane Pillow, Noah H. Hillman, Graeme Polglase, Zahra Champion, Fook-Choe Cheah, Suhas Kallapur, Boris W. Kramer, Timothy J.M. Moss, Alan H. Jobe. *Publication 7155.3*
- SPR Fellow Basic Award Recipient
Danielle E. Harmon
- 4* **Mechanisms of Mechanical Ventilation-Induced Inflammatory and Oxidant Responses.** Danielle E. Harmon, Randi Potter, Carl Johnston, Michael O'Reilly, Min Yee, Patricia R. Chess. *Publication 7155.4*
- 5 **Pulmonary Expression of STAT3 and Its Downstream Target SOCS3 Are Differentially Affected by Nasal Continuous Positive Airway Pressure (Nasal CPAP) Compared to Mechanical Ventilation of Preterm Lambs.** B. Wilkinson, D. Metcalfe, C. Callaway, L. Dong, Z. Wang, M.J. Dahl, R.A. McKnight, B.A. Yoder, D.M. Null, R.H. Lane, K.H. Albertine. *Publication 7155.5*
- 6 **Blocking Retinoid Signaling, Using an RAR Alpha Antagonist, Interferes with Alveolar Formation in Preterm Lambs Managed by Nasal Continuous Positive Airway Pressure.** K.H. Albertine, J. Alvord, L. Dong, Z. Wang, A. Wint, M.J. Dahl, R. Ward, B.A. Yoder, D.M. Null, R.H. Lane. *Publication 7155.6*
- 7 **Immunocytochemical Characterization of Bronchiolitis in Immature Baboons Treated with Nasal CPAP.** Jacqueline J. Coalson, Vicki T. Winter, Merran A. Thomson. *Publication 7155.7*
- 8* **In Vitro and In Vivo Evaluation of a Neonatal High-Flow Nasal Cannula System.** Andrea L. Lampland, Pat A. Meyers, Cathy T. Worwa, Brenda J. Plumm, Mark C. Mammel. *Publication 7155.8*
- 9* **Mechanical Ventilation (MV) of Newborn Mice for 24h Causes Reduced Lung Expression of Platelet-Derived Growth Factor-A (PDGF-A) and Defective Alveolarization: Prelude to Neonatal Chronic Lung Disease (CLD)?** Lucia Mokres, Feijie Zhang, Robert Ertsey, Shu Jiang, Yuri Knauer, Liwen Xu, Richard Bland. *Publication 7155.9*
- 10 **Lung Aeration at Birth: Spontaneous Breathing Versus Mechanical Ventilation.** Stuart B. Hooper, Megan J. Wallace, Marcus Kitchen, Melissa Siew, Naoto Yagi, Kentaro Uesugi, Karen Siu, Sally Irvine, Konstantin Pavlov, Rob Lewis. (Sponsored by Paul G. Ekert) *Publication 7155.10*
- 11 **Lung Recruitment in Preterm Infants Measured with Electrical Impedance Tomography.** Mariette B. van Veenendaal, Frans H. de Jongh, Koert A. de Waal, Anton H. van Kaam. (Sponsored by J.H. Kok) *Publication 7155.11*
- 12 **Respiratory System Mechanics Using Direct Airway Pressure Measurements in Ventilated Low Birth Weight Infants.** Kenneth L. Sandberg, Ants R. Silberberg. (Sponsored by Hakan W. Sundell) *Publication 7155.12*

8:00am–10:00am

7160 Public Health and Prevention II

PAS Platform Session ~ TCC, Room 715A

Chairs: Iam M. Paul and Katherine A. Poehling

- 8:00 * **Early Parenting Is Associated with Successful Social-Emotional Adaptation to School.** Rachel A.B. Dodge, Tina Cheng, Anne Duggan. *Publication 7160.1*
- 8:15 **Does Television Viewing during Middle-School Lead to Poorer School Performance?** Iman Sharif, Thomas A. Wills, James D. Sargent. *Publication 7160.2*
- 8:30 **Racial and Ethnic Differences in Smoking Onset and Progression among US Adolescents.** Susanne E. Tanski, James D. Sargent, Sonya Dal Cin, Keilah Worth, Tom Wills, Meg Gerrard, Fredrick X. Gibbons. *Publication 7160.3*
- 8:45 * **High Levels of Rotavirus Vaccine Ineligibility among Philadelphia Children: Narrowly Defined Age Group Recommendations Meet the Reality of Vaccination Implementation.** Irini Daskalaki, C. Victor Spain, Michael G. Eberhart, Sarah S. Long, Barbara Watson. *Publication 7160.4*
- 9:00 **Iron Deficiency in Early Childhood: Risk Factors and Racial/Ethnic Disparities.** Jane M. Brotanek, Jacqueline Gosz, Michael Weitzman, Glenn Flores. *Publication 7160.5*
- 9:15 * **Children of HIV-Infected Parents: Custody Status in a Nationally Representative Sample.** Burton O. Cowgill, Megan K. Beckett, Rosalie Corona, Marc N. Elliott, Annie J. Zhou, Mark A. Schuster. *Publication 7160.6*
- 9:30 **Availability of Cigarettes in the Home and Smoking among Youth.** Susan Swain, Kristie Taylor, James Sargent. *Publication 7160.7*
- 9:45 **Immunogenicity and Safety of a Combination DTaP-IPV Vaccine in Children 4-6 Years of Age.** Steve Black, Wayde Weston, Nicki Klein, Kathy Ensor, Leonard Friedland, Barbara Howe. *Publication 7160.8*

8:00am–10:00am

7165 ROP from A to Z

PAS Platform Session ~ TCC, Room 705

Chairs: F. Sessions Cole and Ashima Madan

- 8:00 * Pro-Angiogenic Effects of Protease-Activated Receptor 2 (PAR2) Are TNF α -Dependent and Mediated Via Tie2.** Jean-Sebastien Joyal, Tang Zhu, Florian Sennlaub, Martin Beauchamp, Li Fan, Daniella Checchin, Satra Nim, Xin Hou, Michela Bossolasco, Georges-Etienne Rivard, Nikolas Heveker, Sylvain Chemtob. *Publication 7165.1*
- 8:15 * Response of Systemic and Ocular VEGF, IGF-I and GH during Clustered Versus Dispersed Alternating Hyperoxic/Hypoxic Episodes in a Novel Rat Model for ROP.** Rebecca J. Coleman, Kay D. Beharry, Romy S. Brock, Patricia Abad-Santos, Matthew Abad-Santos, Houchang D. Modanlou. *Publication 7165.2*
- 8:30 Lymphocyte-Derived Microparticles Interrupt VEGF Signal in Oxygen-Induced Retinopathy.** Chun Yang, Bupe Mwaikambo, Swathi Seshadri, Sylvain Chemtob, Pierre Hardy. *Publication 7165.3*
- 8:45 * Regulation of the Retinal CD36 Gene by Hypoxia.** Bupe Mwaikambo, Chun Yang, Swathi Seshadri, Sylvain Chemtob, Pierre Hardy. *Publication 7165.4*
- 9:00 * Effects of Pigment Epithelium-Derived Factor on Neovascularization in Murine with Oxygen-Induced Retinopathy.** Shulian Zhang, Chao Chen. *Publication 7165.5*
- 9:15 * Effects of Arginine-Glutamine Dipeptide on a Mouse Model of Oxygen Induced Retinopathy.** Martha Douglas-Escobar, Lynn Shaw, Nan Li, Joshua Anthony, Josef Neu, Grant Maria. *Publication 7165.6*
- 9:30 * Effects of Early Postnatal Ibuprofen and Indomethacin on Ocular VEGF, Soluble VEGF Receptor-1, and IGF-I in a Novel Rat Model for ROP.** Romy S. Brock, Kay D. Beharry, Rebecca J. Coleman, Jacob V. Aranda, Houchang D. Modanlou. *Publication 7165.7*
- 9:45 Cost-Effectiveness of Early Treatment for Retinopathy of Prematurity (ETROP).** Karen L. Kamholz, Cynthia H. Cole, John A.F. Zupancic. *Publication 7165.8*

9:00am–12:00pm

7220 APA Educational Guidelines: A National Showcase of Practical and Creative Applications

PAS Workshop ~ TCC, Room 205AC

Target Audience: Any level of faculty or fellows interested in educating residents.

Objectives:

- Describe practical, innovative models for implementing the APA Educational Guidelines for program/rotation planning, development of curriculum and evaluation tools, and faculty development
- Discuss the challenges and opportunities offered by adapting these models for use at their home institutions

Leader: Diane Kittredge; Co-leaders: Constance Baldwin, Franklin Trimm, Miriam Bar-on, and Patricia Beach

This collaborative workshop will showcase programs that have applied the APA Educational Guidelines in practical and creative ways. From individuals who respond to our invitation to participate, 6-8 will be selected for podium presentations and others for a poster session. After a summary of Guidelines evaluation results, 6-8 10-minute talks by selected presenters (with 5 min for Q/A) will describe approaches to program/rotation planning, development of curriculum and evaluation tools, and faculty development. The whole group will develop a take-home list of best practices and lessons learned.

9:00am–12:00pm

7222 Building a Communication Skills Curriculum for the Pediatrics Clerkship

PAS Workshop ~ TCC, Room 704

Target Audience: Residents, faculty interested in medical student education.

Objectives:

- Participants will learn a structured curriculum for residents and faculty to teach pediatric communication skills to medical students
- Using an interactive approach, participants will learn how to develop a curriculum that will fit into the structure of their clerkship

Leader: Anne Sveen; Co-leaders: John Andrade, Nicholas Bennett

Medical students prepare for the clinical years through courses that cover basic communication and practical skills needed on their clerkships. The curricula typically do not address fully the unique perspective of communication with pediatric patients. We will present a model curriculum developed to teach medical students effective, age appropriate communication skills with pediatric patients and families.

9:00am–12:00pm

7224 Getting Started with Pediatric Educational Research

PAS Workshop ~ TCC, Room 711

Target Audience: Student, residents, fellows and faculty interested in educational research.

Objectives:

- Discuss the value of Educational Research in a Pediatric Education setting
- Framing a research question pertinent to Pediatric Education Drafting the design of an Educational Research project

Leader: Jean A. Petershack; Co-leaders: M. Aggie Manwell-Jackson

The goal of this workshop is to help fellows/faculty get started with educational research. Participants review strategies for identifying scientific unknowns in the educational environment, and practice using the "P-I-C-O" (problem/population, intervention, comparison, outcomes) format for generating researchable questions in pediatric education. Using a step-by-step approach, participants complete a preliminary design for an educational research study, analyze common pitfalls in the implementation and management of educational research, and identify potential sources of data contamination. Participants also review types of research designs and types of publications, including case reports, brief updates and focused evidence-based literature reviews, which can be used to disseminate findings from educational studies.

Designed to meet elements of the core curriculum for pediatric fellowship subspecialty training.

9:00am–12:00pm

7226 Houston, We Have a Problem: A Practical and Principled Approach to Error Disclosure

PAS Workshop ~ TCC, Room 707

Target Audience: All trainees and faculty interested in improving communication skills.

Objectives:

- Recognize categories of errors and define the anatomy of an error occurrence
- Identify critical safe practices of error disclosure
- Develop individual teaching tools for coaching trainees in improving error disclosure skills

Leader: David Loren; Co-leader: Eileen Klein

When was the last time you had to tell a family that there was an error in the care of their child? Did you feel uncomfortable? Did you avoid telling them? How do you counsel residents and fellows to develop parental trust in the care team? Participants in this workshop will develop greater proficiency and comfort in disclosing medical errors and learn specific coaching techniques that can be used in leading trainees to improve error disclosure skills.

9:00am–12:00pm

7228 Implementing Pediatric Domestic Violence Screening

PAS Workshop ~ TCC, Room 206F

Target Audience: Students, residents faculty and other staff working in the pediatric setting who are interested in prevention of child abuse and neglect.

Objectives:

- Learn how domestic violence affects children and will appreciate DV as a pediatric issue
- Learn to identify the need for a DV screening program in their institution
- Identify barriers to DV screening in their institution, and develop strategies to overcome the barriers

Leader: Angelo P. Giardino; Co-leaders: Maria D. McColgan, Mario Cruz, Patti Barry

Although the AAP recommends pediatricians screen for domestic violence (DV) in the office setting, current rates of screening for DV are low. The Children and Mom's Project (CAMP) trains pediatricians at St. Christopher's to screen female caretakers for DV. During this workshop, we will present the successes and challenges of implementation of DV screening. We will focus on the importance of DV screening in the pediatric setting, effective screening strategies, and appropriate interventions. In small groups we will discuss DV screening implementation at participants' sites, identifying and overcoming barriers, and development of evaluation tools.

9:00am–12:00pm

7230 Integrating Genetics Teaching into Daily Pediatric Practice: Do I Really Need to be Doing That?

PAS Workshop ~ TCC, Room 206B

Target Audience: General pediatricians who care for patients and/or teach students/residents.

Objectives:

- Increase knowledge of genetic information and its impact on patient care
- Acquire skills to integrate genetics into clinical practice
- Acquire skills to integrate genetics in teaching encounters

Leader: Joseph Gigante; Co-leaders: Marilyn Dumont-Driscoll, Teri Turner

The goals of this workshop are for participants to increase their comfort level and knowledge of the impact of rapidly exploding genetic knowledge/technology on patient care and physician responsibility and to gain skills in integrating genetics

into their clinical practice and teaching encounters.

9:00am–11:00am

7232 Nanotechnology for Pediatricians

PAS Workshop ~ TCC, Room 706

Leader: T. Andrew Taton

Dr. Taton is an Associate Professor in the Department of Chemistry at the University of Minnesota. He has developed innovative programs, which address the application of nanotechnology toward biomedicine. His laboratory researches the interface between nanomaterials science, polymer chemistry, and chemical biology, both as a way of synthesizing new materials with tailorable properties and as a way of manipulating biological molecules and how they interact on the nanometer scale. His workshop will address techniques focused on development of new nanocomposite materials, biomolecular labels, vehicles for drug delivery, and tools for biological imaging, genomics, and proteomics. The emphasis will be both on how these techniques can be applied to laboratory research and strategies regarding the ultimate translational application of nanotechnology to therapeutics.

9:00am–12:00pm

7234 Painless Practical Principles of Evaluation for Community-based Projects

PAS Workshop ~ TCC, Room 206C

Target Audience: Students, residents and faculty interested in developing community-based interventions.

Objectives:

- Distinguish program evaluation and research and discuss the benefits of thoughtful evaluation
- Develop a practical evaluation plan for a community based project Identify significant evaluation challenges and strategies to address them

Leader: David Keller; Co-leaders: Elizabeth Miller, Holly Ruch-Ross, Nichole Miller

Successful community partnerships require program evaluations that reflect the needs of the partnership. We will use the American Academy's of Pediatrics' experience in the CATCH and Healthy Tomorrows programs to assist pediatricians at all levels who are interested in building community partnerships with the development of appropriate evaluations within the context of their community based program. Participants will receive materials developed by the AAP's Division of Community-Based Initiatives on disc and hardcopy.

9:00am–12:00pm

7236 Teaching Residents and Medical Students How to Care for Overweight Children: Competency-based Strategies in Curriculum Design

PAS Workshop ~ TCC, Room 809

Target Audience: Junior faculty, mid-level faculty, senior faculty, community physicians.

Objectives:

- Create competency-based goals for teaching residents and medical students how to care for overweight children
- Choose teaching methods from an educational toolkit to use in teaching residents and medical students how to care for overweight children
- Identify appropriate evaluation methods for assessing how well learners achieve specific competencies

Leader: John M. Olsson; Co-leaders: Gregg Talente, David Collier, Keeley Pratt

The goal of this workshop is to share strategies for developing and implementing a competency-based curriculum aimed at identifying and treating overweight children. Participants will be able to develop competency-based goals, select from a toolkit of teaching methods, and choose appropriate evaluation tools. Workshop leaders will present a brief review of an educational toolkit developed at our institution and an overview of evaluation resources. Attendees will participate in small group discussions developing a curriculum designed to address one of the following competencies: interpersonal and communication skills, practice-based learning and improvement, and systems-based practice.

9:00am–12:00pm

7238 The Mentoring Toolbox: How to Build a Better Mentor and Mentoring Program

PAS Workshop ~ TCC, Room 709

Target Audience: Faculty interested in improving mentoring skills and faculty in leadership positions interested in developing/evaluating mentoring programs.

Objectives:

- Enhance skills to provide effective mentoring and mentoring programs
- Identify barriers to successful mentoring and ways to overcome those barriers
- Develop assessment strategies to measure mentoring program outcomes

Leader: Elisa Zenni; Co-leaders: Maryellen Gusic, Stephen Ludwig, Lewis First

An effective mentoring relationship is a vital aspect of academic career development, however most faculty lack training as mentors. This workshop will provide attendees with tools to develop effective mentoring relationships and programs, across the continuum of learners and peers. Through small groups, case based discussions and problem solving, attendees will explore optimizing the mentor/mentee relationship, developing successful mentoring programs and devising relevant outcome measurements. Attendees will be able to focus on specific area(s) of interest and will leave with tools that can be implemented in their own institutions.

9:00am–12:00pm

7240 The Reflective Process: Stimulating Higher Order Thinking Through the Use of Effective Questions

PAS Workshop ~ TCC, Room 206A

Target Audience: Educators and practitioners involved with trainees across the continuum of professional education.

Objectives:

- Use questions to link reflection and higher order thinking
- Assess the depth and breadth of reflective thinking evident in trainees' journals, role plays, and video clip scenarios
- Develop and practice effective questions to facilitate reflective thinking and higher order processing

Leader: Margaret Plack; Co-leaders: Maryanne Driscoll, Maria Marquez and Larrie Greenberg

How can we prepare trainees to make effective clinical decisions and to meet the ACGME competencies? Reflection is integral to developing competent physicians, yet facilitating reflection remains difficult. Effective questions promote higher order thinking; however, some questions are more effective than others. This workshop will link reflective questions to critical thinking. Participants will analyze journal excerpts, video clips, and a role play, and develop questions to maximize quality care and minimize of medical error.

9:00am–12:00pm

7241 Using Flex Care™ to Optimize Interactions Between Teachers and Learners

PAS Workshop ~ TCC, Room 206E

Target Audience: Faculty and residents with teaching responsibilities.

Objectives:

- Recognize Myers-Briggs Type Indicator related behavioral cues
- Recognize how others prefer to communicate and how to adjust your style to others when necessary

Leader: John Kunzer; Co-leader: Mary Ciccarelli

Personality differences can have a significant impact on the teacher-learner interaction. Flex Care™ is a faculty development program designed to help participants recognize Myers-Briggs Type Indicator (MBTI) related behavioral cues, learn how others prefer to communicate, and acquire skills to adjust their style to others when necessary. Participants will be given the opportunity to complete the MBTI prior to the workshop. Small group discussion on how personality type affects learning styles and teaching styles will be facilitated by viewing video clips of students and faculty discussing their preferred styles. Examples of teacher-learner interactions that demonstrate techniques to improve interactions when personality differences are present will be shown and then practiced by attendees.

9:00am–12:00pm

7242 Whose Life Is This Anyway? Examining the Balance in Ones Personal and Professional Life

PAS Workshop ~ TCC, Room 712

Target Audience: Students, residents, faculty or practitioners.

Objectives:

- Clarify one's vision of personal and professional life balance
- Develop a plan to improve personal/professional life balance
- Maximize one's personal/professional effectiveness

Leader: Robert A. Doughty; Co-leader: Patricia D. Williams

This program focuses on achieving balance in physician's work and personal lives. It is designed to teach skills to maximize personal and professional satisfaction. The workshop objectives are: 1) To clarify one's personal vision of a successful career and life; 2) To maximize personal and professional effectiveness and satisfaction; and to 3) Establish concrete goals and an action plan to improve balance in personal and professional life. Participants will engage in a sequence of small and large group experiential activities and discussions.

9:00am–12:00pm

7246 Developmental–Behavioral Pediatrics

APA Special Interest Group ~ TCC, Room 205D

Chair: Daniel Lee Coury, dcoury@chi.osu.edu

This year's SIG session will focus on some evidence based methods of reducing childhood aggression. John Duby, MD of Akron will present his community's experience with the Triple P program while Nancy Cunningham, PhD and Jack Stevens, PhD, of Columbus will discuss the use of the Incredible Years Program and its potential use on a broad scale in a community. Seth Scholer, MD of Vanderbilt Children's Hospital will present on the Play Nicely format as one that can be utilized by primary care providers in their office settings. All presenters will discuss the benefits and pitfalls of each program, with active participation and discussion from the audience.

9:00am–12:00pm

7248 (Cancelled) Ethics/Culture, Ethnicity and Health Care

APA Special Interest Group ~ TCC, Room 206D

Chairs: Louis C. Hampers, hampers.lou@tchden.org; and Elsie Taveras, elsie_taveras@hphc.org

This session will explore ethical issues related to the provision of health care across cultures. Cultural norms about the nature of diseases and treatments will be explored and challenged. Specifically, the ethical concerns presented by instances in which providers and families differ in their belief systems and values will be discussed. The format will consist of case studies presented by an expert panel, and audience participation will be strongly encouraged.

9:00am–12:00pm

7254 Pediatrics for Family Practice

APA Special Interest Group ~ TCC, Room 205B

Chair: Scott D. Krugman, scott.krugman@medstar.net

This year's Pediatrics for Family Practice SIG will feature three of our members who were chosen last year as APA Educational Scholars. Claude Gauthier, Alison Holmes, and Ed McGookin will each present updates on the educational programs they are developing for family medicine residents. The second half of the SIG will follow up on last year's work with Perry Pugno of the AAFP. At this session we will review the recently updated educational guidelines and work on defining the pediatric competencies FM residents need to acquire. Finally, we will have to discuss changing our name to pediatrics for family medicine!

9:00am–12:00pm

7256 Women in Medicine

APA Special Interest Group ~ TCC, Room 810

Chair: Carol Berkowitz, carolb@pol.net

The Women in Medicine Special Interest Group was first started about 15 years ago when there was a sense that the many challenges, both personal and professional, facing women were not being addressed in an organized or systematic manner. Over the years the group has addressed many issues – negotiating skills, disparities, part-time employment, paths to leadership. Now that women account for the majority of pediatric residency applicants and have attained leadership positions in all the national pediatric organizations, the question is whether there is any purpose in having programs or groups designated for women's issues. The Women in Medicine SIG will host a debate:

RESOLVED: Programs geared exclusively for women, such as the Women in Medicine SIG and the AAP's Women's Breakfast are OBSOLETE. Moderator: Dr. Carol Berkowitz; Pro:

Dr. Marsha Rappley, Dr. John Leventhal; Con: Dr. Eileen Ouellette, Dr. Ted Sectish

10:15am–12:15pm

7300 SPR Presidential Plenary and Awards

TCC, Hall F

Gary L. Freed

President, Society for Pediatric Research

10:15 Introduction

Gary L. Freed

President, Society for Pediatric Research

10:17 Award Presentations

STUDENT RESEARCH AWARDS

Disha Kumar

Vanderbilt University, Nashville, TN

Nominated by Russell Rothman

Literacy, Numeracy, and the Pediatric Health Activities Test (PHAT) (Publication 8403.4)

Presented in General Pediatrics Poster Session ~ Poster #53, Tuesday, May 8, 10:00am – 2:00 pm ~ Exhibit Hall E

Ching Zhu

Medical University of South Carolina, Charleston, SC

Harvard University, Boston, MA

Nominated by Bernard L. Maria

ACT1 Peptide Modulates Glioma Cell Invasiveness (Publication 6319.2)

Presented in Hematology /Oncology Poster Session ~ Poster #550, Sunday, May 6, 11:00am – 3:00 pm ~ Exhibit Hall E

Kevin Downes

University of Pennsylvania School of Medicine, Philadelphia, PA

Children's Hospital of Philadelphia, Philadelphia, PA

Nominated by David M. Rubin

The Impact of Kinship Care on Behavioral Well-Being among Children in Foster Care (Publication 8055.1)

Presented in Health Services Research III Platform Session ~ Tuesday, May 8, 8:00am ~ Room 715B,

In-Kyong Kim

Mount Sinai School of Medicine, NY, NY

Nominated by Bruce D. Gelb

Noonan Syndrome/Leukemia Causative Gain-of-Function *PTPN11* Mutations Induce Apoptosis during *Drosophila* Hematopoiesis (Publication 8050.5)

Presented in Genetic Basis of Disease: From Gene Discovery to Disease Pathogenesis Platform Session ~ Tuesday, May 8, 9:00am ~ Room 703

Ching-Feng Huang

National Defense Medical Center, Tri-Service General Hospital, Taipei, Taiwan. Nominated by Ho-Jen Peng

Sublingual Vaccination with Sonicated *Salmonella* Proteins and Mucosal Adjuvant CpG or Cholera Toxin Induces Mucosal and Systemic Immunity and Protects Against *Salmonella* Infection in Mice (Publication 5335.4)

Presented in Gastroenterology I Platform Session ~ Saturday, May 5, 11:00am ~ Room 801B

Akihiro Asai

Shriners Burns Hospital, Boston, MA

Nominated by Shingo E. Yasuhara

Functional Ischemia and Phosphodiesterase-5 Inhibitor Therapy in a Mouse Model of Muscular Dystrophy (Publication 5575.8)

Presented in Neurology Platform Session ~ Saturday, May 5, 2:45pm ~ Room 801A

HOUSE OFFICER RESEARCH AWARDS

Anja M. Hafkamp

Medisch Spectrum Twente, Enschede, Netherlands

University Medical Center Groningen

Nominated by Henkjan J Verkade and Pieter J.J. Sauer

Treatment of Unconjugated Hyperbilirubinemia in Crigler-Najjar Disease by Orlistat: A Randomized Controlled Trial (Publication 5585.10)

Presented in Pediatric Nutrition: Diet, Feeding & Growth Poster Symposium ~ Poster #10, Saturday, May 5, 1:00pm – 3:00 pm ~ Room 801B

David Hains

Columbus Children's Hospital, Columbus, OH

Nominated by Carlton Bates

Deletion of FGFR2 from the Metanephric Mesenchyme Results in Ectopic Ureteric Bud Induction and Vesicoureteral Reflux (Publication 6730.8)

Presented in Nephrology II Platform Session ~ Poster #8, Sunday, May 6, 6:00 pm ~ Room 713AB

Daniel J. Moore

Vanderbilt University/Vanderbilt Children's Hospital, Nashville, TN

Nominated by Jacek Hawiger

Prevention of Autoimmune Diabetes in NOD Mice by a Nuclear Import Modulator (Publication 7340.1)

Presented in Endocrinology & Diabetes – Basic Research Platform Session ~ Poster #1 Monday, May 7, 10:15am ~ Room 718A, Toronto Convention Centre

FELLOW'S BASIC RESEARCH AWARDS

John Benjamin

University of Alabama at Birmingham, Birmingham, AL

Nominated by Lawrence S. Prince

Alpha8 Integrin Is Required for Mesenchymal Cell Adhesion, Airway Division, and Lobe Septation during Fetal Lung Development (Publication 5700.2)

Presented in Basic Mechanisms of Cardiac and Pulmonary Development Platform Session ~ Poster #2, Saturday, May 5, 3:30pm ~ Room 701A

Darren Bridgewater

The Hospital for Sick Children, Toronto, Canada

Nominated by Norman Rosenblum

Beta-Catenin Controls Renal Branching Morphogenesis in a Dose-Dependent Manner (Publication 6730.3)
Presented in Nephrology II Platform Session ~ Poster #3, Sunday, May 6, 4:45pm ~ Room 713AB

Lily Chao

University of California, Los Angeles
Nominated by Peter Tontonoz
Orphan Nuclear Receptor Nur77 Regulates Glucose Metabolism in Skeletal Muscle (Publication 7340.2)
Presented in Endocrinology & Diabetes – Basic Research Platform Session ~ Poster #2, Monday, May 7, 10:30am ~ Room 718A

FELLOW'S CLINICAL RESEARCH AWARDS

Kristen Crossman

The Children's Hospital, Denver, CO
Nominated by Louis C. Hampers
A Randomized, Controlled, Noninferiority Trial of ED Interpreter Modalities: Telephonic & Live Interpretation vs Bilingual Providers (Publication 6435.1)
Presented in Underserved Populations II Platform Session ~ Poster #1, Sunday, May 6, 2:00pm ~ Room 205D

Arvin Garg

Johns Hopkins School of Medicine, Baltimore, MD
Nominated by Janet R. Serwint
Improving the Management of Family Psychosocial Problems at Low-Income Children's Well-Child Care Visits: The *WE CARE* Project (Publication 5289.4)
Presented in Underserved Populations I Platform Session ~ Poster #4, Saturday, May 5, 9:45am ~ Room 206B

Michael Stroud

University of Arkansas for Medical Sciences, Little Rock, AR
Nominated by Kanwaljeet S. Anand
Near-Continuous Blood Pressure (BP) Monitoring during Transport Improves Outcomes in P.I.C.U. Patients: A Randomized Controlled Trial (Publication 8040.6)
Presented in Cardiopulmonary Critical Care poster Symposium ~ Poster #6, Tuesday, May 8, 8:00am – 10:00am ~ Room 717AB

JAPAN PEDIATRIC SOCIETY FELLOW AWARDS

Keiichi Hayashi

Kanto Central Hospital, Setagaya, Tokyo, Japan

Reiko Muramatsu

Takasaki National Hospital, Takasaki, Gunma, Japan

Kazushi Tamura

Gunma University Graduate School of Medicine, Maebashi, Japan

DOUGLAS K. RICHARDSON AWARD FOR PERINATAL AND PEDIATRIC HEALTHCARE RESEARCH

M. Jeffrey Maisels

William Beaumont Hospital, Royal Oak, MI
Nominated by Avroy A. Fanaroff
Presented in Neonatal Epidemiology & Follow-up Poster Symposium ~ Saturday, May 5, 9:45am ~ Room 801A

DAVID G. NATHAN AWARD IN HEMATOLOGY/ONCOLOGY

Kristina Cole

The Children's Hospital of Philadelphia, Philadelphia, PA
Nominated by John M. Maris
The microRNA miR-34a Is a Candidate 1p36 Neuroblastoma Tumor Suppressor Gene (Publication 6075.1)
Presented in Hematology- Oncology Platform Session ~ Poster #1, Sunday, May 6, 8:00am ~ Room 718B

RICHARD D. ROWE AWARD IN PERINATAL CARDIOLOGY

Robert B. Hinton, Jr.

Cincinnati Children's Hospital Medical Center, Cincinnati, OH
Nominated by D. Woodrow Benson
Hypoplastic Left Heart Syndrome Is Heritable and a Severe Form of Valve Malformation (Publication 6060.2)
Presented in Congenital Heart Diseases and Kawasaki Disease Platform Session ~ Poster #2, Sunday, May 6, 8:15am ~ Room 716A

10:25 SPR Presidential Address

Gary L. Freed

University of Michigan, Ann Arbor, MI

10:50 Bench to Implementation: The Imperative in Academic Pediatrics

F. Bruder Stapleton

Professor and Chair, Department of Pediatrics, Ford/Morgan Endowed Chair in Pediatrics, University of Washington, Seattle, WA

11:03 NIH Initiatives to Promote Bench to Implementation Research

Duane Alexander

National Institute of Child Health and Human Development, Bethesda, MD

11:11 Maureen Andrew Mentor Award and Lecture

Ron G. Rosenfeld

Lucile Packard Foundation For Children's Health, Palo Alto, CA
Nominated by De-Ann M. Pillers
Introduction

De-Ann M. Pillers

Oregon Health & Science University, Portland, OR

11:18 SPR Thomas A. Hazinski Distinguished Service Award

Kathy A. Cannon
Associate Executive Director
Society for Pediatric Research and American Pediatric Society
The Woodlands, TX

11:22 Young Investigator Award and Lecture

Michael J. Ackerman

Mayo Clinic, Rochester, MN
Nominated by Jeffrey A. Towbin

State of Genetic Testing in Congenital Long QT Syndrome

Dr. Ackerman has advanced the understanding of sudden death in the young with a focus on the most common cause of autopsy positive sudden death, hypertrophic cardiomyopathy (HCM), the most common cause of autopsy negative sudden unexplained death, congenital long QT syndrome (LQTS), and sudden infant death syndrome (SIDS). His research program has established unique genotype-phenotype relationships (i.e. swimming and LQT1, postpartum and LQT2) and novel disease susceptibility genes for HCM, LQTS, and SIDS (i.e. *CAV3*-encoded caveolin-3 for LQT9 and SIDS, *SCN4B* for LQT10). His studies have facilitated the translation of the research-based LQTS genetic test into a clinically available diagnostic test and are transforming the forensic evaluation of sudden unexplained death with postmortem genetic testing (i.e. the cardiac channel molecular autopsy).

11:35 E. Mead Johnson Awards for Research in Pediatrics and Lectures

Marc E. Rothenberg

Professor of Pediatrics
Director, Division of Allergy and Immunology
Cincinnati Children's Hospital Medical Center
University of Cincinnati, Cincinnati, OH
Nominated by Thomas F. Boat

In Scientific Pursuit of Allergic Disease

Dr. Rothenberg has keenly bridged fundamental laboratory investigation with innovative clinical research that has propelled laboratory findings to clinical utility. His contributions have advanced the understanding of allergic disease by a) uncovering a new family of eosinophil-selective chemokines (the eotaxins) and defining their function by gene targeting; b) describing a new set of allergic diseases (eosinophil-associated gastrointestinal diseases) and elucidating their molecular pathogenesis; and c) translating basic findings into therapeutic strategies including the development of humanized anti-IL-5 antibody therapy for hypereosinophilic syndromes.

Deepak Srivastava

Director, Gladstone Institute of Cardiovascular Disease
Professor, Departments of Pediatrics and Biochemistry & Biophysics
Wilma and Adeline Pirag Distinguished Professor in Pediatric Developmental Cardiology
University of California San Francisco, San Francisco, CA
Nominated by Sam Hawgood

Molecular Basis for Cardiac Development and Disease

Dr. Srivastava's work has advanced our understanding of cardiac development by elucidating the molecular events regulating early and late developmental decisions that instruct progenitor cells to adopt a cardiac cell fate and subsequently fashion a functioning heart. This foundation has been used to discover the genetic basis for some congenital heart malformations.

The E. Mead Johnson Awards are supported by Mead Johnson Nutritionals.

10:15am–12:15pm

7320 Obesity: Volitional Versus Non-volitional Physical Activity and (Lack of) Weight Gain

PAS/LWPES Topic Symposium ~ TCC, Room 717AB

Objectives:

- Understand the metabolic impact of exercise in youth
- Understand ethnic disparities in weight control and fitness
- Understand recent developments in the assessment of energy expenditure in youth
- Understand the role of fitness in the prediction of long-term health risk related to obesity

Chairs: Tamara Hannon, University of Pittsburgh, Pittsburgh, PA; and Josephine Z. Kasa-Vubu, University of Michigan, Ann Arbor, MI

One of the greatest challenges in the management of obesity is the assessment of physical activity and how it relates to lifestyle. Dramatic differences in weight gain between siblings who live within the same household and appear to follow very comparable diets is a common challenge in pediatric practice. This obesity symposium will explore the respective roles of voluntary versus involuntary physical activity in the emergence (or the lack) of obesity.

10:15 Introduction

Josephine Z. Kasa-Vubu, University of Michigan, Ann Arbor, MI

10:20 Non-exercise Activity Thermogenesis: The Crouching Tiger, Hidden Dragon of Societal Weight Gain

James Levine, Mayo Clinic, Rochester, MN

10:50 Individual Differences in Physical Activity and Weight—The Model of the Rhesus Monkey

Judy Cameron, Oregon Health and Science University, Portland, OR

11:20 Fitness Assessment and Weight Control in Youth—A Focus on Ethnicity

Michael I. Goran, University of Southern California, Los Angeles, CA

11:50 Discussion

Sponsored jointly by the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

10:15am–12:15pm

7325 Pediatric Hospitalists: The State of the Union

PAS Topic Symposium ~ TCC, Room 716A

Target Audience: Hospitalists, general pediatricians, academic pediatric faculty, trainees.

Objectives:

- Understand the multiple roles played by pediatric hospitalists in 2007
- Gain insight into how to maximize the potential of the hospitalist in the clinical, educational and research arenas in the future

Chairs: Jeremy N. Friedman, Hospital for Sick Children, Toronto, Canada; and Christopher P. Landrigan, Children's Hospital, Boston, MA

Pediatric hospital medicine is a rapidly growing field with an estimated 800-1000 pediatric hospitalists in North America. Initially limited mainly to clinical work, usually on the pediatric inpatient wards, the scope of the role has evolved to include teaching, systems improvements, administration and scholarly work. Pediatric hospitalist training programs are being developed in response to the growing need for increasing numbers of pediatric hospitalists in the future. It is time to take a critical look at what has been achieved so far, and what challenges lie in the years ahead.

10:15 Overview and Hospitalist Models

Jeremy N. Friedman, Hospital for Sick Children, Toronto, Ontario, Canada

10:40 The Hospitalist as Clinician: Caring for Common Problems and Complex Children

Raj Srivastava, University of Utah Health Science Center, Salt Lake City, UT

11:05 The Hospitalist as Teacher: From Medical Students to Hospitalist Fellows

Mary Ottolini, Children's National Medical Center, Washington, DC

11:30 The Hospitalist as Researcher: Establishing a Research Program and Conducting Collaborative Clinical Research

Christopher P. Landrigan, Children's Hospital, Boston, MA

11:55 Discussion

10:15am–12:15pm

7330 Probiotics: Mechanisms of Action, Current Research and Application for Pediatric Disease

PAS/NASPGHAN/PIDS Topic Symposium ~ TCC, Room 801B

Target Audience: Pediatric clinical subspecialists, general pediatricians, microbiologists and public health practitioners.

Objectives:

- Understand probiotic applications to pediatric practice
- Understand current knowledge of the mechanisms of the beneficial effects of probiotics
- Understand future trends in the use of probiotics

Chair: Michael Cabana, University of California San Francisco, San Francisco, CA

Probiotics are defined as “live microorganisms which when administered in adequate amounts confer a health benefit on the host.” These microorganisms are normally found in the human intestine and help stabilize and balance intestinal microflora. Although the term ‘probiotic’ was not used until the 1960s, the healthy effects of probiotic bacteria have been noted for over a century. Probiotics have been used for the prevention of infectious diarrhea and antibiotic-associated diarrhea. In recent years, there has been increasing interest in the use of probiotics for the treatment inflammatory bowel disease, necrotizing enterocolitis and extra-intestinal disorders including atopic dermatitis and recurrent urinary tract infections. As more applications of probiotic therapy are considered for pediatric practice, it is important to understand the underlying mechanisms, limitations and safety issues with this increasingly popular therapy. This symposium will summarize current knowledge regarding the mechanism of the beneficial effects of probiotics, current uses of different strains of probiotics in children and future trends and areas of research for disease prevention and treatment.

10:15 Introduction

Michael Cabana, University of California San Francisco, San Francisco, CA

10:20 Probiotics and the Prevention of Diarrheal and Infectious Diseases

Andi L. Shane, Emory University School of Medicine, Atlanta, GA

10:45 Probiotics, Eczema and Airway Disease

Erika Isolauri, University of Turku, Turku, Finland

11:10 Effects of Probiotics on Pathogenic Adhesion to Gastrointestinal Cells

Philip M. Sherman, Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada

11:35 Experience with Probiotics for Necrotizing Enterocolitis and Inflammatory Bowel Disease

Maria M. Oliva-Hemker, Johns Hopkins University School of Medicine, Baltimore, MD

12:00 Discussion

Sponsored jointly by the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition; Pediatric Infectious Diseases Society; and the Pediatric Academic Societies

Supported in part by an unrestricted educational grant from International Scientific Association for Probiotics and Prebiotics

10:15am–12:15pm

7335 Current Status of the Medical Home for Children with Special Health Care Needs

PAS Mini Course ~ TCC, Room 716B

Target Audience: General pediatricians and pediatric subspecialists interested in the care of children with special health care needs.

Objectives:

- Describe the Medical Home
- Discuss the significance of the Medical Home for children with special health care needs and their families
- Describe the potential positive outcomes of the Medical Home

Chairs: Thomas F. Tonniges, Boystown Pediatrics, Omaha, NE; and Kathryn Smith, Children's Hospital Los Angeles, Los Angeles, CA

The purpose of this session is to educate participants on current data related to evaluation of the Medical Home for Children with Special Health Care Needs. Since 2002 when the American Academy of Pediatrics released a statement calling for a medical home for all children with special health care needs, there has been a growing body of information regarding the planning, implementation and outcomes of programs patterned on the medical home concept. To date, most of this information has been conceptual. This program represents a novel opportunity to present data on outcomes of functioning medical home programs. Understanding the significance of these outcomes is crucial to the continued funding and success of medical home programs.

10:15 Introduction

Thomas F. Tonniges, Boystown Pediatrics, Omaha, NE
Kathryn Smith, Children's Hospital Los Angeles, Los Angeles, CA

10:25 Building Medical Homes

W. Carl Cooley, Center for Medical Home Improvement at Crotched Mountain Foundation, Greenfield, NH

10:45 The Cost of Providing Care Coordination Services in a Medical Home

Richard Antonelli, University of Connecticut School of Medicine, Connecticut Children's Medical Center, Hartford, CT

11:05 Care Coordination Services in Pediatric Practices

Judith S. Palfrey, Children's Hospital, Boston, MA

11:25 Measuring Outcomes in a Medical Home for Children with Chronic Diseases

Thomas S. Klitzner, Mattel Children's Hospital at UCLA, Los Angeles, CA

11:45 Discussion

10:15am–12:15pm

7340 Endocrinology & Diabetes (Basic Research)

PAS/LWPES Platform Session ~ TCC, Room 718A

Chairs: Charlotte Boney and Karen J. Loechner

SPR House Officer Research Award Recipient

Daniel J. Moore

10:15 * Prevention of Autoimmune Diabetes in NOD Mice by a Nuclear Import Modulator. Daniel J. Moore, Jozef Zienkiewicz, Peggy L. Kendall, Robert D. Collins, Jacek J. Hawiger. (Sponsored by William E. Russell) *Publication 7340.1*

SPR Fellow Basic Award Recipient

Lily C. Chao

10:30 * Orphan Nuclear Receptor Nur77 Regulates Glucose Metabolism in Skeletal Muscle. Lily C. Chao, Peter Tontonoz. *Publication 7340.2*

10:45 * Hepatocyte-Specific Knockout of Epidermal Growth Factor Receptor (EGFR) in Mice Alters Glucose Homeostasis. Bryce A. Nelson, Lawrence E. Scheving, Mary Stevenson, Xiuqi White, David Threadgill, William E. Russell. *Publication 7340.3*

11:00 * Mitochondrial Dysfunction Leads to Changes in Insulin Signaling in 3T3-L1 Adipocytes. Toni J. Kim, Boris Draznin. (Sponsored by Kristen Nadeau) *Publication 7340.4*

11:15 * IGFBP-3 Inhibits Adipocyte Differentiation. John Ching, Hae Soon Kim, Bing Rong Liu, Phuong Thao Hoang, Pinchas Cohen. *Publication 7340.5*

11:30 * IUGR Alters the Hepatic Histone Code along the Rat IGF-1 Gene. Q. Fu, R.A. McKnight, X. Yu, P. Men, R.H. Lane. *Publication 7340.6*

11:45 * Nutrient Regulation of Chondrocyte Proliferation and Differentiation. Mimi S. Kim, Ke-Ying Wu, Philip A. Gruppiso, Chanika Phornphutkul. *Publication 7340.7*

12:00 Growth Factor Signaling in the Central Reproductive Axis. Sara DiVall, Ryan Miller, Fredric Wondisford, Andrew Wolfe, Sally Radovick. *Publication 7340.8*

10:15am–12:15pm

7345 Injury Prevention II

PAS Platform Session ~ TCC, Room 715A

Chairs: Edward P. Junkins and Eliot Nelson

10:15 * Suicide: A Major Problem for Everyone except Us. Kimberly A. Schwartz, Sara A. Pyle, Denise Dowd, Karen Sheehan. *Publication 7345.1*

10:30 Medical Examination of Children Living with a Physically Abused Child. K.A. Campbell, J. Squires, R.P. Berger. *Publication 7345.2*

10:45 National U.S. Rates of Abusive Fractures in Children <36 Months of Age. John M. Leventhal, Kimberly D. Martin, Andrea G. Asnes. *Publication 7345.3*

11:00 Using Spectroscopy To Assess the Ages of Bruises. Susan J. Duffy, John W. McMurdy, Gregory D. Jay, Gregory P. Crawford. *Publication 7345.4*

11:15 Childhood Witnessing and Subsequent Experiences with Interpersonal Violence among College Students. Christine M. Forke, Rachel K. Myers, Marina Catalozzi, Donald F. Schwarz. *Publication 7345.5*

11:30 Intimate Partner Violence and Child Maltreatment: Overlapping Risk. Adam J. Zolotor, Adrea D. Theodore, Desmond K. Runyan, Tamera Coyne-Beasley. *Publication 7345.6*

11:45 Evaluating the Violence Injury, Protection and Risk Screening Tool (VIPRS) for Primary Care. Eric J. Sigel, Jan Hart, Ana Hoffenberg, Miriam Dickinson. *Publication 7345.7*

12:00 The Effect of Office-Based Violence Prevention – A Cluster Randomized Trial. S.L. Barkin, E.H. Ip, S. Finch, J. Steffes, B. Scheindlin, R. Wasserman. *Publication 7345.8*

10:15am–12:15pm

7350 Neonatal Brain Metabolism and Injury - Insights from Animal Models

PAS Poster Symposium ~ TCC, Room 701B

Viewing: 10:15am–10:45am

Discussion: 10:45am–12:15pm

Chairs: John D.E. Barks and Mathew Derrick

1* Exposure to Hyperoxia Exacerbates Hypoxic-Ischemic Brain Injury in Immature Mice and Impairs Functional Recovery. Joshua D. Koch, Jennifer Gilley, Benjamin Orr, Darryl M. Miles, Steven G. Kernie. *Publication 7350.1*

- 2 **High Brain Tissue PO₂ after Intrauterine Asphyxia in Lambs Ventilated with 100% Oxygen for More Than a Few Minutes.** Anders Nordh, Doris Cunha-Goncalves, Vineta Fellman, Stefan Hansson, Anders Larsson, David Ley, Valeria Perez de Sa, Olof Werner. *Publication 7350.2*
- 3 **Neuroprotective Effects of Vascular Endothelial Growth Factor A (VEGF A) Following Hypoxic Ischemic Brain Injury in Neonatal Rats.** Abhay J. Bhatt, Yangzheng Feng, Philip G. Rhodes. (Sponsored by Ajay J. Talati) *Publication 7350.3*
- 4* **Hind Limb Ischemia Reperfusion Injures the Brain of Neonatal Mice.** Daniela Bianco-Batles, Siarhei Slinko, Alexander Sosunov, Casper S. Caspersen, Richard A. Polin, Vadim S. Ten. *Publication 7350.4*
- 5* **Sensitizing Effects of Pro-Inflammatory Cytokines on Excitotoxic Brain Lesions: The Key Role of Group 1 Metabotropic Receptor.** Vincent Degos, Natacha Tessier, Vincent Lelievre, Jean Mantz, Pierre Gressens. *Publication 7350.5*
- 6* **Granulocyte-Colony Stimulating Factor and Stem Cell Factor Reduce Brain Injury in Newborn Mice When Given after the Acute Phase of Brain Injury.** Matthias Keller, Gergely Sarkozy, Vera Neubauer, Elke Griesmaier, Karina Wegleiter, Martina Urbanek, Pierre Gressens, Georg Simbruner. *Publication 7350.6*
- 7* **Dextromethorphan Protects the Newborn Brain Against Perinatal Injury.** Gergely Sarkozy, Elke Griesmaier, Maria Auer, Martina Urbanek, Pierre Gressens, Georg Simbruner, Matthias Keller. *Publication 7350.7*
- 8* **Regional Neuropathology Is Not Related to Regional Brain Temperature after Global Hypoxia Ischemia in Newborn Pigs.** E. Chakkarapani, K. Aquilina, J. Tooley, H. Porter, M. Thoresen. *Publication 7350.8*
- 9* **Multiple Doses of Erythropoietin Provide Long-Term Histological & Behavioral Protection Following Neonatal Stroke.** Fernando Gonzalez, Regina Abel, Dezhi Mu, Patrick McQuillen, Zena Vexler, Mike Wendland, C.R. Almlı, Donna Ferriero. *Publication 7350.9*
- 10 **Administration of Novel nNOS Inhibitor, JI-8 Prevents Fetal Rabbits from Exhibiting a Cerebral Palsy Phenotype.** Matthew Derrick, Richard B. Silverman, Haitao Ji, Nina Sahay, Zhenlang Lin, Xinhai Ji, Sidhartha Tan. *Publication 7350.10*

10:15am–12:15pm

7355 Neonatal Fetal Nutrition & Metabolism II

PAS Poster Symposium ~ TCC, Room 701A

Viewing: 10:15am–10:45am

Discussion: 10:45am–12:15pm

Chairs: Michael K. Georgieff and Robert H. Lane

- 1* **Glutamate Levels in Brain Tissue Remain Unchanged Even after a Three-Fold Increase in Dietary Glutamate Intake.** Michael J. Janeczko, Barbara Stoll, Xiaoyan Chang, Douglas G. Burrin. *Publication 7355.1*
- 2* **Genomic DNA Methylation Patterns Are Functionally Altered among Offspring in a Primate Model of Maternal Obesity.** Kjersti Aagaard-Tillery, Robert McKnight, Jan Dumanski, Kevin Grove, Robert Lane. *Publication 7355.2*
- 3 **Influence of Postnatal Age on Vulnerability to Acute Hypoglycemic Brain Injury in Developing Rats.** Kathleen Ennis, Elizabeth Seaquist, Raghavendra Rao. *Publication 7355.3*
- 4 **Effects of Prenatal Adverse Conditions on Postnatal Rat Brain Neurochemical Profile Assessed with 1H-Spectroscopy at 9.4T.** Nicolas Kunz, Emily J. Camm, Ingrid Kohler, Michel L. Aubert, Rolf Gruetter, Petra S. Huppi, Stephane V. Sizonenko. *Publication 7355.4*
- 5* **Resuscitation with Supplementary Oxygen Gives a Dose Dependant Increase in Hydroxyl Radical Formation and Oxidation of DNA.** Ronnaug Solberg, Jannicke H. Andresen, Rachel Escrig, Maxime Vento, Grethe Irene A. Borge, Ola Didrik Saugstad. *Publication 7355.5*
- 6 **Evaluation of Growth and Incidence of Diarrhea with a Starter Infant Formula Containing Bifidobacterium longum, Lactobacillus rhamnosus or Lactobacillus paracasei and a Mixture of Prebiotics.** J.M. Hascoet, J.P. Chouraqui, G. Putet, F. Gold, U. Simeoni. *Publication 7355.6*
- 7 **Cardiovascular Effects of Carnitine Deprivation and Caffeine in the Neonatal Pig.** Vivek Anand, Elizabeth McIlwain, Chittaranjan Debata, Kurt Varner, Duna Penn. *Publication 7355.7*
- 8 **In Vivo Quantification of Ascorbic Acid (Vitamin C) in the Cerebral Cortex, Hippocampus and Striatum of the Developing Rat Brain Using 1H NMR Spectroscopy.** Raghavendra Rao, Melissa Terpstra, Ivan Tkac. *Publication 7355.8*
- 9* **Light-Exposed Neonatal TPN Induces Higher Plasma Free Haemoglobin Concentrations at Adulthood.** Valerie Turcot, Therese Rouleau, Anne Monique Nuyt, Jean-Claude Lavoie. *Publication 7355.9*
- 10* **A Study of the Relationship between Angiotensin-Converting Enzyme (ACE) Genotype, Serum ACE Concentration and Markers of Asymmetrical Growth Restriction in Premature Infants.** Stephanie Redpath, Luke Mills, David McLean, Valerie Godfrey, Mike Wallace, Lesley Jackson. (Sponsored by H. Whyte) *Publication 7355.10*
- 11 **Postnatal Weight Curve Modeling Using Artificial Neural Networks for Extremely Low Birth Weight (ELBW) Infants.** Peter J. Porcelli. *Publication 7355.11*
- 12* **Strategies for Processing Donor Human Milk.** Loanne Tran, Champa Codipilly, Debra Potak, Jim Martone, Richard J. Schanler. *Publication 7355.12*

10:15am–12:15pm

7360 Neonatal Patient Oriented Research: Heart and Lung

PAS Platform Session ~ TCC, Hall G

Chairs: David W. Boyle and Nestor E. Vain

- 10:15 Cytokines Associated with BPD/Death in Extremely Low Birth Weight Infants: A Role for T-Lymphocytes?** Namasivayam Ambalavanan, the NICHD Neonatal Research Network. *Publication 7360.1*
- 10:30 Effect of Inhaled Nitric Oxide on Pulmonary Function in Preterm Infants.** J.M. Di Fiore, A. Hibbs, J. Merrill, E. Eichenwald, A. Puri, D. Mayock, S. Courtney, R. Ballard, R.J. Martin. *Publication 7360.2*
- 10:45 * Preterm Infants and Prenatal Exposure to Cigarette Smoke: Attenuated Cardiorespiratory Recovery from Hypoxic Challenge (PIPES Study).** Jennifer M. Lowden, Valerie Kirk, Ian Mitchell, Nalini Singhal, Shabih U. Hasan. *Publication 7360.3*
- 11:00 * Variability in Delivered Bubble Nasal Continuous Positive Airway Pressure (B-NCPAP) in Premature Infants.** Doron J. Kahn, Robert H. Habib, Sherry E. Courtney. *Publication 7360.4*
- 11:15 PDA Treatment and NDI/Death, NEC and BPD.** Juliette Madan, Ivan D. Frantz. *Publication 7360.5*
- 11:30 Milrinone Usage in the Neonate Following Congenital Cardiac Surgery: Experience from the PRIMACORP Trial.** Timothy M. Hoffman, David L. Wessel, Anthony C. Chang, Thomas L. Kulik, Andrew M. Atz, David P. Nelson, Thomas L. Spray, Angela C. Cook, John Anthony Bauer, Gil Wernovsky. *Publication 7360.6*
- 11:45 * PDA Ligation Is Independently Associated with Chronic Lung Disease (CLD).** Nancy Chorne, Ronald Clyman. *Publication 7360.7*
- 12:00 * Association of Polymorphisms in the Mannose Binding Lectin Gene and Pulmonary Morbidity in Preterm Infants.** Anne Hilgendorff, Kathrin S. Heindinger, Anette Bohnert, Inke Koenig, Georg Frey, Ludwig Gortner, Gregor Bein. *Publication 7360.8*

10:15am–12:15pm

7365 Nephrology III

PAS/ASPEN Platform Session ~ TCC, Room 713AB

Chairs: Debbie Gipson and Kevin V. Lemley

- 10:15 Atherogenic Scavenger Receptor Modulation in the Tubulointerstitium in Response to Chronic Renal Injury.** Daryl M. Okamura, Jesus M. Lopez-Guisa, Katie Koelsch, Sarah Collins, Allison A. Eddy. *Publication 7365.1*
- 10:30 * Glomerular Gene Expression in Pediatric Patients with FSGS Using Laser Capture DNA Microarray.** Michael Bennett, Kimberly Czech, Lois Arend, David Witte, Steve Potter, Prasad Devarajan. *Publication 7365.2*

ASPEN Trainee Award in Basic Research Recipient

Rasheed Gbadegesin

- 10:45 * Mutations in *PLCE1/NPHS3* Are a Major Cause of Non-Syndromic Diffuse Mesangial Sclerosis.** Rasheed Gbadegesin, Benward Hinkes, Christopher Vlangos, Jin-Hong Liu, Friedhelm Hildebrandt. (Sponsored by David B. Kershaw) *Publication 7365.3*

- 11:00 * Renal Osteopontin (OPN), Intercellular Adhesion Molecule1 (ICAM1), and Transforming Growth Factor beta1 (TGFb1) as Biomarkers of Steroid Responsiveness in Idiopathic Nephrotic Syndrome (INS) of Childhood.** Katarina Supe, Ibrahim F. Shatat, Zhongfang Du, Frederick J. Kaskel, Robert P. Woroniecki. *Publication 7365.4*

- 11:15 Attenuation of Kidney Injury in a Mouse Model of Lupus Using a Selective Sphingosine-1-Phosphate Type 1 Receptor Agonist.** Scott E. Wenderfer, Stan Stepkowski, Michael C. Braun. *Publication 7365.5*

SPR Fellow Basic Award Recipient

Darlene Jean-Pierre

- 11:30 Assessment of Cortical Bone Structure and Strength in Children on Chronic Dialysis.** Mary B. Leonard, Darlene K. Jean-Pierre, Bethany Foster, Babette Zemel, Heidi Kalkwarf. *Publication 7365.6*

- 11:45 Melanocortin-4 Receptor (MC-4R) Antagonism Attenuates Sarcopenia in Uremic Cachexia: Molecular Mechanism.** Wilson W. Cheung, Robert H. Mak. *Publication 7365.7*

- 12:00 Chronic Kidney Disease in Children (CKID) Study: Cohort Characteristics at Study Entry.** S. Furth, A. Munoz, S. Cole, J. Jerry-Fluker, M. Moxey-Mims, B. Fivush, C. Wong, R. Portman, M. Benfield, G. Schwartz, B. Warady. *Publication 7365.8*

12:00pm–1:00pm

7440A 24th Annual Audrey K. Brown Kernicterus Symposium

TCC, Room 801A

Moderators: David K. Stevenson, Stanford University School of Medicine, Stanford, CA; William J. Cashore, Women and Infants Hospital of Rhode Island, Providence, RI; and Vinod K. Bhutani, Stanford University School of Medicine, Stanford, CA

- 12:00 Bilirubin: Jekyll & Hyde Pigment—The Known Unknowns**

Antony McDonagh, University of California San Francisco, San Francisco, CA

12:40 SPR Douglas K. Richardson Award (Moved from Saturday, Course 5140)
M. Jeffrey Maisels, William Beaumont Hospital, Royal Oak, MI

12:00pm–1:15pm

7443A Perinatal Nutrition and Metabolism Club
TCC, Room 718B

Are Newborn Infants Vitamin D Deficient?

Frank R. Greer, University of Wisconsin, Madison, WI

Supported in part by a restricted educational grant from Ross Products Division, Abbott Laboratories

12:00pm–1:30pm

**7445A Bioethics Interest Group:
Is it Ever Justified to Withdraw Nutrition and Hydration in Pediatrics?**
TCC, Room 703

Moderator: William Meadows, Professor Neonatology, Department of Pediatrics, University of Chicago, Chicago, Illinois

Panelists:

G. Kevin Donovan, Director, Oklahoma Bioethics Center, OU College of Medicine-Tulsa, Tulsa, Oklahoma

Jonathan Hellmann, Professor of Paediatrics, University of Toronto and Clinical Director, NICU, The Hospital for Sick Children, Toronto, Ontario

12:00pm–1:30pm

APA Luncheons ~ FRY
7455 Fellows Quebec
7460 Region Chairs Nova Scotia
7465 SIG Chairs Alberta

12:15pm–1:15pm

7470 The National Childrens Study: Update and Future Plans
PAS/PPC Special Symposium ~ TCC, Room 716B

Target Audience: Clinicians, researchers and policy makers.

Objective:

– To review the status of the National Children's Study

Chair: Elena Fuentes-Afflick, University of California, San Francisco, CA

This special symposium will present an update on the National Children's Study. The study is moving forward with protocol development, plans for the creation of additional Centers across the country, and preparation for recruitment of participants at the seven national Vanguard (pilot) Centers. This Symposium will review progress to date, insights from pilot work, the role of academic pediatricians in proposing "adjunct" studies and other plans for the future.

12:15 Introduction

Elena Fuentes-Afflick, University of California, San Francisco, CA

12:20 Overview of the National Children's Study

Duane Alexander, National Institute of Child Health and Human Development, Bethesda, MD

12:30 Current Status of the National Children's Study

Peter C. Scheidt, Director, National Children's Study, National Institute of Child Health and Human Development, Bethesda, MD

12:40 Opportunities for Academic Pediatricians

Mariam M. Balsam, National Institute of Child Health and Human Development, Bethesda, MD

12:55 Discussion

Sponsored jointly by the Public Policy Council and the Pediatric Academic Societies

12:30pm–1:15pm

7472 New Endocarditis Prophylaxis Guidelines: Rationale for Major Change
PIDS Special Symposium ~ TCC, Room 801B

Target Audience: This session should be of great interest to general pediatricians, infectious diseases specialists, and cardiologists.

Chair: Anne H. Rowley, Northwestern University, Children's Memorial Hospital, Chicago, IL

Objectives:

- Recognize the major revisions in the American Heart Association guidelines on endocarditis prophylaxis
- Understand the rationale for the major changes in the recommendations
- Apply the new guidelines to patients at the highest risk of adverse consequences from endocarditis

This last-minute addition to the program will focus on the new endocarditis prophylaxis guidelines developed and published online in April 2007 by the American Heart Association's Committee on Rheumatic Fever, Endocarditis, and Kawasaki Disease. These guidelines are dramatically different than the previous recommendations. The purpose of this session will be to present the new guidelines and the rationale for the dramatic change in the recommendations for prevention of bacterial endocarditis in at-risk children and adults followed by a question and answer and discussion session.

12:30 Treatment and Prevention of Infective Endocarditis; Rationale for Major Changes in the New AHA Prophylaxis Guidelines

Larry M. Baddour, Professor of Medicine, Division of Infectious Diseases, Mayo Clinic, Rochester, MN

1:00 Discussion

12:30pm–1:30pm

Residency Review and Redesign in Pediatrics (R²P) Project: Open Forum

TCC ~ Room 715B

An open forum to update the Pediatric community and solicit ideas and comments. Detailed information about the Project is available on the American Board of Pediatrics web site (www.abp.org).

12:30pm–1:30pm

7475A ASPN Awards Luncheon

Fairmont Royal York, Ontario

American Academy of Pediatrics Section on Nephrology – Henry L. Barnett Award

Introduction and Presenter:

John W. Foreman, M.D., Chief, Pediatric Nephrology Division, Duke University Medical Center, Professor of Pediatrics, School of Medicine, Duke University, Durham, NC

Recipient:

William Harmon, M.D., Professor of Pediatrics, Harvard Medical School, Director, Pediatric Nephrology, Children's Hospital Boston, Boston, MA

American Society of Pediatric Nephrology Founder's Award

Introduction:

Sharon P. Andreoli, MD, Chief, Division of Pediatric Nephrology, James Whitcomb Riley Hospital for Children, Indianapolis, IN

Presenter:

Robert B. Ettenger, MD, Chief, Division of Pediatric Nephrology, Dept of Pediatrics, UCLA Medical Center, Los Angeles, CA

Recipient:

Richard N. Fine, MD, Dean, School of Medicine, Stony Brook University Medical Center, Stony Brook, NY

12:30 PM-01:30 PM

7480 Residency Review and Redesign in Pediatrics (R3P) Project: Open Forum

PAS Special Symposium - Room 715B

An open forum to update the Pediatric community and solicit ideas and comments. Detailed information about the Project is available on the American Board of Pediatrics web site (www.abp.org).

1:00pm–2:45pm

7500 March of Dimes Prize in Developmental Biology Lectures

TCC, Hall G

Twelfth Annual Lecture

Come hear lectures by two pioneering scientists who specialize in reproduction and development. Dr. McLaren and Dr. Rossant were chosen to receive the 2007 March of Dimes Prize for their remarkable contributions to our understanding of the entire cycle of mammalian reproduction and embryonic development. Prof. McLaren's landmark 1958 paper in *Nature* (co-authored with John Biggers), showing that they had succeeded in growing a mouse embryo in a test tube, was an unprecedented leap in our understanding of reproductive mechanisms and paved the way for the human *in vitro* fertilization used today. Prof. Rossant, one of Canada's best-known researchers, has pioneered numerous techniques for following cell fate and altering genes in mouse embryos, and has produced new mouse models of human diseases. These advances have allowed investigators to better study human birth defects and many other serious disorders, such as cancer.

The March of Dimes Prize in Developmental Biology has been awarded annually since 1996 to investigators whose research has profoundly advanced the science that underlies the understanding of birth defects.

Germ Cells, Stem Cells and Epigenetics

Anne McLaren, Wellcome Trust/Cancer Research UK Gurdon Institute, University of Cambridge, England

Manipulating the Mammalian Embryo -- From Cells to Genes and Back Again

Janet Rossant, The Hospital for Sick Children and University of Toronto, Toronto, Canada

Presented by the March of Dimes Foundation

1:00pm–3:00pm

7510 Ambulatory Blood Pressure Monitoring in Children: Do We Really Know What We Are Doing?

PAS/ASPNI/IPHA Mini Course ~ TCC, Room 713AB

Target Audience: General pediatricians, pediatric cardiologists and nephrologists.

Objective:

– Apply ABPM to clinical practice

Chairs: Ronald J. Portman, University of Texas–Houston Medical School, Houston, TX; and Deborah Jones, University of Tennessee, Memphis, TN

In 2004, the Fourth Report on High Blood Pressure in Children and Adolescents endorsed the use of Ambulatory Blood Pressure Monitoring in certain situations in the evaluation of hypertensive children. Despite this, there are many gaps in our knowledge regarding the utility of ABPM in children, how to perform and interpret ABPM in children, and how to administer a pediatric ABPM program. This session will review the current best evidence to answer these questions and will provide practical guidance on the use of ABPM in children.

1:00 Introduction

Ronald J. Portman, University of Texas–Houston Medical School, Houston, TX

1:05 Indications for ABPM in Adults: State of the Art in 2007

William B. White, University of Connecticut Health Center, Farmington, CT

1:30 Correlation of ABPM Parameters to Target Organ Damage in Children

Marc B. Lande, University of Rochester, Rochester, NY

1:55 How Should ABPM Studies be Interpreted in Children?

Karen L. McNiece, University of Texas–Houston Medical School, Houston, TX

2:20 ABPM in Children with Chronic Kidney Disease

Franz Schaefer, University of Heidelberg Medical Center, Heidelberg, Germany

2:45 Discussion

Sponsored jointly by the American Society of Pediatric Nephrology, International Pediatric Hypertension Association and the Pediatric Academic Societies

1:00pm–3:00pm

7515 Endocrinology and Diabetes - Clinical Research

PAS/LWPES Platform Session ~ TCC, Room 718A

Chairs: Dennis J. Chia and Heather J. Dean

1:00 * Association of *BDNF* Haploinsufficiency with Overweight in Children with WAGR Syndrome. Joan C. Han, Carolyn M. Menzie, Diane C. Adler-Wailes, Ethan L. Sanford, MaryPat Jones, Felicitas L. Lacbawan, Jack A. Yanovski.
Publication 7515.1

1:15 * Blunted Sleep-Related LH in Early Pubertal Overweight Healthy Girls. Brian D. Bordini, Elizabeth E. Littlejohn, Robert L. Rosenfield.
Publication 7515.2

1:30 Both Insulin Sensitivity and Disposition Index Fall during Normal Female Puberty without a Change in Glucose Tolerance. E.E. Littlejohn, M. Kim, C. Dalla Man, C. Cobelli, R.L. Rosenfield. *Publication 7515.3*

1:45 * Poor Fitness Is Associated with Inflammation in Sedentary Non-Overweight Children. Jennifer J.F. McVean, Aaron L. Carrel, Jens Eickhoff, David B. Allen. *Publication 7515.4*

2:00 Early Low-Dose Estrogen Increases Adult Height Gain in GH-Treated Patients with Turner Syndrome (TS): Results of a Double-Blind, Randomized, Placebo-Controlled Clinical Trial. J.L. Ross, C.A. Quigley, D. Cao, P. Feuillan, K. Kowal, J.J. Chipman, G.B. Cutler.
Publication 7515.5

2:15 * FGFR1 Mutations: A Genetic Etiology for Delayed Puberty. Elka Jacobson-Dickman, Joel N. Hirschhorn, Taneli Raivio, Lacey Plummer, Paul A. Boepple, Mark R. Palmert, Andrew Dwyer, William F. Crowley Jr., Nelly Pitteloud.
Publication 7515.6

2:30 * Anastrozole Treatment of Precocious Puberty in Girls with McCune-Albright Syndrome. Jakub Mieszczyk, Elizabeth Lowe, Paul Plourde, Erica A. Eugster.
Publication 7515.7

2:45 * Outcome after Pancreatectomy and Autologous Islet Cell Transplantation in a Pediatric Population. Melena D. Bellin, Annelisa M. Carlson, Anglelika Gruessner, David E.R. Sutherland, Antoinette A. Moran. *Publication 7515.8*

1:45pm–5:15pm

7550 APA Presidential Plenary and Awards

TCC, Room 718B

Claibourne I. Dungy

President, Ambulatory Pediatric Association

Chair: **Peter Szilagyi, University of Rochester School of Medicine and Dental, Rochester, NY**

1:45 LP in First Simple Febrile Seizures Ages 6-18 Months; 10 Year after AAP Recommendations. A. Kimia, A. Capraro, D. Hummel, P. Johnston, M. Harper. *Publication 7550.1*

2:00* An RCT To Assess Whether Use of a Pictogram-Based Intervention Is Associated with Reduced Parental Liquid Medication Administration Errors. Hsiang S. Yin, Benard P. Dreyer, George Foltin, Linda van Schaick, Cheryl Dinglas, Alan L. Mendelsohn. *Publication 7550.2*

APA Ray E. Helfer Award for Innovation in Pediatric Education Recipient

Michael G. Gaies

2:15* Teaching Procedural Skills to Pediatric Residents: A Randomized Interventional Trial. Michael G. Gaies, Shaine A. Morris, Janet P. Hafler, Dionne A. Graham, Christopher P. Landrigan, Thomas J. Sandora. *Publication 7550.3*

2:30 Efficacy of HEPA-CPZ Air Cleaners on Unscheduled Asthma Visits and Asthma Symptoms in ETS-Exposed Children. Bruce P. Lanphear, Richard Hornung, Jane Khoury, Michelle Lierl, Kimberly Yolton, Amy Kalkbrenner. *Publication 7550.4*

2:45 APA Presidential Address. Claibourne I. Dungy, The University of Iowa Health Center, Iowa City, IA

3:15 Break

3:30* Recurrent Urinary Tract Infections: Risk Factors and Effectiveness of Prophylaxis in a Primary Care Cohort. Patrick H. Conway, Brandon Henry, Avital Cnaan, Theoklis Zaoutis, Robert Grundmeier, Ron Keren. *Publication 7550.5*

3:45 A Double Blind Randomized Controlled Trial Comparing Nebulized Epinephrine and Albuterol in the Emergency Department Treatment of Bronchiolitis. Paul Walsh, John Caldwell, Kemeddy K. McQuillan, Stephen J. Rothenberg. *Publication 7550.6*

4:00 Prevalence and Treatment of ADHD in a National Sample of U.S. Children. T. Froehlich, B. Lanphear, J. Epstein, W. Barbaresi, S. Katusic, R. Kahn. *Publication 7550.7*

4:15 Health Status and Behavioral Outcomes for Adolescents Who Anticipate Early Death. Iris W. Borowsky, Marjorie Ireland, Michael D. Resnick. *Publication 7550.8*

4:30 Widening Disparity in Hospital Outcomes for Children with Public or No Health Insurance as Compared to Those with Private Insurance. James Todd, Carl Armon, Stephen Berman. *Publication 7550.9*

4:45 APA Research Award. Tracy A. Lieu. Harvard Pilgrim Health Care & Medical School, Boston, MA

5:00 APA Teaching Award. Raymond Baker & Emanuel Doyne, Comprehensive Faculty Development in Education, Cincinnati Children's Hospital Medical Center Program Director, Cincinnati, OH

2:00pm–4:00pm

7580 Hot Topics in Vaccines 2007

PAS/PIDS Topic Symposium ~ TCC, Room 801A

Target Audience: Infectious diseases and adolescent medicine specialists, and general academic pediatricians.

Objectives:

- List indirect effects of conjugate pneumococcal vaccines
- Recite approaches to developing avian influenza vaccines
- Develop an approach to successful implementation of adolescent vaccines
- Describe genetic influences that affect vaccine responsiveness

Chairs: Margaret Rennels, GlaxoSmithKline, Washington, DC; and Kathryn Edwards, Vanderbilt University School of Medicine, Nashville, TN

New information regarding genetic influences upon the efficacy of vaccines could provide novel approaches to improving vaccine responsiveness in the future. Several new vaccines are available for the adolescent population, but implementation of these recommended vaccines presents significant challenges and requires new approaches. Conjugate pneumococcal vaccines have been highly effective in the pediatric population, and have also reduced the prevalence of pneumococcal disease in older individuals. The race is on to develop a vaccine for avian influenza before a pandemic strikes.

2:00 The Immunogenetics of Vaccine Responsiveness

Gregory A. Poland, Mayo Clinic College of Medicine, Rochester, MN

2:30 Implementing Current and Future Adolescent Vaccines

Susan L. Rosenthal, University of Texas Medical Branch at Galveston and Children's Hospital, Galveston, TX

3:00 Direct and Indirect Effects of Pneumococcal Conjugate Vaccine

Cynthia Whitney, Centers for Disease Control and Prevention, Atlanta, GA

3:30 Avian Influenza Vaccines

Jim Campbell, University of Maryland, Baltimore, MD

Sponsored jointly by the Pediatric Infectious Diseases Society and the Pediatric Academic Societies

3:00pm–5:00pm

7610 Population Genomics in Pediatric Diseases: State of the Art

PAS Topic Symposium ~ TCC, Hall G

Objective:

- Understand the various techniques for population wide screening and their limitations

Chair: Phyllis A. Dennery, Children's Hospital of Philadelphia, Philadelphia, PA

With ever increasing tools to detect genetic diseases in large populations, it is important to understand the promise and limitations of these techniques as well as the public health and ethical implications.

3:00 Population Genomics in Pediatric Diseases

Hakon Hakonarson, Children's Hospital of Philadelphia, Philadelphia, PA

3:40 Pharmacogenetics and Pharmacogenomics: Impact on Drug Therapy in Pediatrics

J. Steven Leeder, Children's Mercy Hospital and Clinics, Kansas City, MO

4:20 The Final Translation: Hurdles in Bringing the Promise of New Technology into Practice

Beth Tarini, University of Michigan, Ann Arbor, MI

3:00pm–5:00pm

7620A Pediatric Nephrology in Non-kidney Organ Transplantation

ASPN Symposium ~ TCC, Room 713AB

Target Audience: Pediatric nephrologists and other subspecialists interested in taking care of patients with non-kidney organ transplantation.

Objectives:

- To better recognize renal dysfunction as morbidity associated with non-renal organ transplantation in children
- To be more familiar with diagnostic and therapeutic approaches for renal dysfunction associated with non-renal organ transplantation in children

Chairs: Alicia M. Neu, Johns Hopkins University School of Medicine, Baltimore, MD; and Jens Goebel, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Renal dysfunction in the context of non-kidney organ transplantation is an increasingly prevalent and challenging problem for pediatric nephrologists and other subspecialists providing care for children with heart, lung, liver, bone marrow and other transplants. The symposium will begin with an introduction and outline of the many specific problems in this field. Measurement of renal function in the affected patient population with the emphasis on patients with cardiothoracic transplantation will be discussed. It will continue with a presentation addressing the problem of detection and management of hypertension and proteinuria in liver transplant recipient population. A talk on renal complications in bone marrow transplant recipients is planned to follow. Finally, the management options for kidney disease in these patients will be discussed.

3:00 The Scope of the Problem: Non-renal Allograft-associated Nephropathy

Alicia M. Neu, Johns Hopkins University School of Medicine, Baltimore, MD

3:05 When and How to Measure GFR in Pediatric Non-kidney Transplant Recipients

S. Paul Hmiel, Washington University, St. Louis, MO

3:30 Detection and Mitigation of Proteinuria and Hypertension in Pediatric Liver Transplant Recipients

Vicky Lee Ng, The Hospital for Sick Children, Toronto, Ontario, Canada

3:55 Renal Complications in BMT Patients

Sangeeta Hingorani, Children's Hospital and Regional Medical Center, University of Washington and Fred Hutchinson Cancer Research Center, Seattle, WA

4:20 Management Options for Renal Insufficiency and End-stage Renal Disease in Pediatric Non-kidney Transplant Recipients

Jens W.D. Goebel, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

4:45 Discussion

Sponsored jointly by the American Society of Transplantation and the American Society of Pediatric Nephrology

3:00pm–5:00pm

7630 Premature Brain Injury: Unique Patterns, Outcomes and Mechanisms

PAS Hot Topic ~ TCC, Hall F

Target Audience: Neonatologists, developmental pediatricians, neurologists, developmental biologists.

Objectives:

- Gain new insights about the current clinical spectrum and epidemiology of brain injury in premature infants
- Learn about the contributions of magnetic resonance imaging to understanding distinctive patterns of brain injury in premature infants
- Gain understanding of the potential role of NIRS in assessment of brain injury in premature infants
- Gain knowledge of basic molecular and cellular mechanisms that contribute to the vulnerability of premature infants to hypoxic-ischemic injury

Chairs: Faye Silverstein, University of Michigan, Ann Arbor, MI; and Frances Jensen, Children's Hospital, Boston, MA

The goal is to explore recent data from experimental models and clinical diagnostic studies that reveal new mechanisms of hypoxic/ischemic injury in the premature brain. Clinical imaging studies reveal that premature brain injury is a complex interplay between both white and grey matter insults, and experimental data suggest unique mechanisms for these different regions. This symposium will focus on age-specific mechanisms of regional vulnerability in the premature brain.

1. The evolving clinical profile of premature brain injury: Dr. Volpe is one of the founders of this field and can speak to the changing epidemiology of this group, the relationship between the acute injury patterns and later motor and cognitive deficits.
2. Magnetic resonance imaging studies: There are specific patterns of cortical and subcortical imaging, and changes in white matter anisotropy which provide clues to mechanisms of primary and secondary injury in the premature brain. Dr. Terrie Inder is a leader in the field of perinatal MR imaging. She will discuss patterns of injury seen in the premature versus the term brain, and how these relate to later structural abnormalities and long term outcome.
3. Predicting brain injury in the premature infant: A recent development in this area has been the application of Near Infrared Spectroscopy (NIRS) to this neonatal population. Dr. Adre du Plessis will discuss results of a study using NIRS to examine cerebral vascular dysautoregulation and blood flow in a cohort of premature infants, in order to determine the predictive value of this technique in assessing risk of cerebral injury.
4. Mechanisms of vulnerability: Recent experimental studies have identified several factors unique to immature glia and neurons in the premature brain that are likely to increase the vulnerability of both white and grey matter to hypoxic ischemic injury, resulting in specific pattern of regional vulnerability and potentially complex effects on subsequent cerebral development. Dr. Jensen will summarize available information regarding age-specific cellular mechanisms and their implications for therapeutic development.

3:00 Brain Injury in the Premature Infant: Causes, Consequences and Novel Therapeutic Targets

Joseph J. Volpe, Children's Hospital Boston, Harvard Medical School, Boston, MA

3:30 Imaging Unique Patterns of Injury in the Premature Brain

Terrie E. Inder, Washington University and St. Louis Children's Hospital, St. Louis, MO

4:00 Identifying Mechanisms of Cerebrovascular Injury at the Bedside of Premature Infants

Adre J. du Plessis, Children's Hospital Boston, Harvard Medical School, Boston, MA

4:30 Age-specific Mechanisms of Premature Brain Injury: Translating to Therapeutics

Frances Jensen, Children's Hospital Boston and Harvard Medical School, Boston, MA

3:00pm–5:00pm

7705 Children with Special Health Care Needs

PAS Platform Session ~ TCC, Room 715B

Chairs: John W. Harrington and Christopher J. Stille

3:00 Routine Developmental Screening Implemented in Primary Care Settings: Provider Attitudes, Knowledge, and Practice. Alison Schonwald, Eugenia Chan, Wanessa Risko, Carolyn Bridgemohan. *Publication 7705.1*

3:15 Effectiveness of a Comprehensive Interdisciplinary Bronchopulmonary Dysplasia (BPD) Follow-Up Clinic in Reducing Re-Admission Rates and Health Care Costs in the First 30 Days after Discharge. Alfred L. Gest, Melissa J. Bowen, Anthony R. Carna, Stephen E. Welty. *Publication 7705.2*

3:30 Tertiary Center Nurse Care Coordination for Complex, Medically Fragile Children and Youth with Special Health Care Needs (CYSHCN). Mary Krauthoefer, Tera Bartelt, Holly Colby, Debra Jablonski, John Gordon. *Publication 7705.3*

3:45 Establishing the Validity and Reliability of a Theory-Based Health Transition Readiness Assessment Instrument for Youth with Special Health Care Needs. David Wood, William Livingood, Edessa Jobli, Deborah Ducett. *Publication 7705.4*

4:00 Respite Care for Children with Special Health Care Needs. Savithri Nageswaran. (Sponsored by Thomas Michael D. O'Shea) *Publication 7705.5*

4:15 Until the Last Breath: Exploring the Concept of Hope in Pediatric Palliative Care. Elizabeth A. Reder, Janet R. Serwint. *Publication 7705.6*

4:30 Social Capital and Supporting Families of Children with Special Health Care Needs. Wendy Looman, John Pascoe. *Publication 7705.7*

4:45 Implementing a Communication and Tracking System for the Health Needs of Children Entering State Custody. B. Frankowski, P. Duncan, E. Kallcock, T. Delaney, D. Philibert, J. Shaw. *Publication 7705.8*

3:00pm–5:00pm

7710 Fetal Origins of Adult Disease

PAS Poster Symposium ~ TCC, Room 701B

Viewing: 3:00pm–3:30pm

Discussion: 3:30pm–5:00pm

Chairs: Josef Neu and Jeffrey L. Segar

- 1 **Impaired Cyclooxygenase-Dependent Dilatation and Prostaglandin E₂ Production Contribute to Programmed Coronary Artery Dysfunction in Adolescent Sheep.** Robert D. Roghair, Fred S. Lamb, Arthur A. Spector, Jeffrey L. Segar. *Publication 7710.1*
- 2* **Neonatal Hyperoxia Leads to High Blood Pressure, Vascular Dysfunction and Microvascular Rarefaction in Adult Rats.** Catherine Zydorczyk, Cambonie Gilles, Germain L. Nathalie, Lavoie Jean Claude, Comte Blandine, Touyz M. Rhian, Nuyt Anne Monique. *Publication 7710.2*
- 3 **A Novel Mechanism for Maternal Food Restriction (MFR)-Induced Glomerular Sclerosis.** John S. Torday, Mina Desai, Virender K. Rehan, Cynthia Nast, Michael G. Ross. *Publication 7710.3*
- 4 **The Absence of Light-Protection of Neonatal Total Parenteral Nutrition (TPN) Is Associated to a Higher Lipogenesis in Adult Guinea Pig.** Jean-Claude Lavoie, Niina Kleiber, Therese Rouleau, Anne Monique Nuyt. *Publication 7710.4*
- 5 **Size at Birth, Infant Growth, and Blood Pressure at 3 Years of Age.** Mandy B. Belfort, Sheryl L. Rifas-Shiman, Janet Rich-Edwards, Ken K. Kleinman, Matthew W. Gillman. *Publication 7710.5*
- 6* **Higher Systolic and Diastolic Ambulatory Blood Pressure in Young Adults Born with Very Low Birth Weight.** Petteri Hovi, Sture H.M. Andersson, Anna-Liisa Jarvenpaa, Johan G. Eriksson, Sonja Strang-Karlsson, Eero Kajantie. *Publication 7710.6*
- 7* **Respiratory Lethality in Newborn NPAS3-Deficient Mice: Survivors Develop Chronic Lung Disease.** Shutang Zhou, Katharine Kevill, W. Michael Foster, Erin N. Potts, Simone Degan, Pamela Johnston, Mary E. Sunday. *Publication 7710.7*
- 8 **High-Frequency Oscillatory Ventilation Is Not Associated with an Increased Risk of Neuropathology Compared to Low Tidal Volume Positive Pressure Ventilation in a Baboon Model of Premature Delivery.** Michelle M. Loeliger, Terrie E. Inder, Penelope Dalitz, Sarah Cain, Bradley Yoder, Sandra M. Rees. *Publication 7710.8*
- 9* **Maternal Smoking during Gestation Is Associated with Feeding Preference for Carbohydrates in Young Adults.** Marcelo Z. Goldani, Caroline Ayres, Patricia P. Silveira, Andre K. Portella, Antonio A. Silva, Heloisa Bettiol, Antonio Barbieri. (Sponsored by Robert Brouillette) *Publication 7710.9*
- 10 **Neonatal Morphine Exposure Alters Adult Learning in C57 BL/6 Mice.** Jared F. Boasen, Sandra E. Juul, Christine A. Gleason. *Publication 7710.10*
- 11 **The Effect of Hypoxia on Tyrosine Phosphorylation of Apoptotic Proteins in the Cerebral Cortex of the Guinea Pig Fetus at Term.** Qazi M. Ashraf, Jonathan Marlapudi, Anli Zhu, Om P. Mishra, Maria Delivoria-Papadopoulos. *Publication 7710.11*

3:00pm–5:00pm

7715 Gastroenterology II

PAS Poster Symposium ~ TCC, Room 717AB

Viewing: 3:00pm–3:30pm

Discussion: 3:30pm–5:00pm

Chairs: Michael D. Bates and Richard J. Deckelbaum

- 1* **Phosphatidylinositol-3 Kinase (PI3-Kinase) Inhibits Toll-Like Receptor 4 (TLR4) Signaling in Intestinal Epithelial Cells.** Brandy L. Frost, Tamas Jilling, Jing Lu, Michael S. Caplan. *Publication 7715.1*
- 2* **Effects of Lipopolysaccharide (LPS) on Intestinal Injury and Restitution: Implication for Innate Immune Mechanisms.** Juli M. Richter, Brandon L. Schanbacher, Kristina M. Reber, John A. Bauer, Peter J. Giannone. *Publication 7715.2*
- 3 **Poly(ADP-ribose) Polymerase-1 (PARP-1) and Intestinal Cell Death in Necrotizing Enterocolitis (NEC).** Peter J. Giannone, Juli M. Richter, Wendy A. Luce, Craig A. Nankervis, Brandon L. Schanbacher, John A. Bauer. *Publication 7715.3*
- 4* **HB-EGF Increases Intestinal Microvascular Blood Flow in Rats Subjected to Ischemia/Reperfusion Injury.** Osama N. El-Assal, Gail E. Besner. *Publication 7715.4*
- 5* **HB-EGF Knockout Mice Have Increased Intestinal Permeability after Intestinal Ischemia/Reperfusion Injury.** Heather N. Paddock, Osama N. El-Essal, Gail E. Besner. *Publication 7715.5*
- 6 **Fully Differentiated Intestinal Epithelial Cells Are More Resistant to Butyrate-Induced Cytotoxicity.** Luying Peng, Jing Lin. *Publication 7715.6*
- 7* **Clinical Spectrum of Shiga Toxin Producing E coli (STEC) in Adults and Children.** Stephanie S. Appleman, David P. Ascher, Choong Park. *Publication 7715.7*
- 8* **Regulation of Hepcidin Expression by Iron Despite Functional Loss of Transferrin Receptor 2.** Heather L. Morgan, Robert S. Britton, Mary C. Migas, Gail M. Palmer, Bruce R. Bacon, William S. Sly, Robert E. Fleming. *Publication 7715.8*

- 9* **Oral Treatment of Essential Fatty Acid Deficiency with Triglycerides or Phospholipids in Children with End Stage Liver Disease.** Anniek Werner, Charles M.A. Bijleveld, Jan van der Heiden, Pieter J.J. Sauer, Henkjan J. Verkade. *Publication 7715.9*
- 10* **Lower Esophageal Sphincter (LES) Responsiveness during Esophageal Mechanostimulation in Human Neonates: Evidence for a Volume-Relaxation Response Relationship.** Eneysis M. Pena, Alankar Gupta, Sudarshan R. Jadcherla. *Publication 7715.10*
- 11* **Beyond VACTERL: Different Types of Anorectal Malformations Are Associated with Different Combinations of Other Congenital Anomalies.** Nicholas P. Matarazzo, Jareen K. Meinzen-Derr, George Rodriguez, Emily Loudin, Richard A. Falcone, Marc A. Levitt, Alberto Pena, Michael D. Bates. *Publication 7715.11*
- 12* **Can Gallbladder Ejection Fraction on HIDA Scans Predict Abnormal Gallbladder Pathology upon Cholecystectomy?** Jignesh P. Shah, Sheldon Bond, John Buchino, John Stutts. (Sponsored by Billy Franklin Andrews) *Publication 7715.12*

3:00pm–5:00pm

7720 Human Milk and Breastfeeding: Basic Biology to Bedside

PAS Poster Symposium ~ TCC, Room 701A

Viewing: 3:00pm–3:30pm

Discussion: 3:30pm–5:00pm

Chairs: Ardythe L. Morrow and Deborah O'Connor

- 1 **Milk Protein, Fat, and Energy Levels Are Higher during Early Levels in Ewes with Preterm vs. Term Delivery.** Laurie J. Moyer-Mileur, Robert D. Wilkinson, Scott Elder, Cory Carlson, Dustin Anderson, Arin Shumway, MarJanna Dahl, Kurt H. Albertine. *Publication 7720.1*
- 2* **Humoral and Cellular Immunologic Constituents of Hormonally-Induced Breast Milk in Rhesus Monkeys, a Model for Studying the Immunology of Human Immunodeficiency Virus Maternal to Child Transmission through Breastfeeding.** Sallie R. Permar, Norman L. Letvin, Helen Kang. (Sponsored by Robert Husson) *Publication 7720.2*
- 3 **Vitamin Content of Flash-Heated Breast Milk as an Infant Feeding Option for HIV Positive Mothers in Developing Countries.** Kiersten A. Israel-Ballard, Barbara F. Abrams, Anna Coutsoudis, Lindiwe Sibeko, Caroline J. Chantry. *Publication 7720.3*
- 4 **Effect of Flash-Heat on Immunoglobulins in Breastmilk.** Caroline J. Chantry, Kiersten A. Israel-Ballard, Zina Moldoveanu, Janet Peerson, Anna Coutsoudis, Lindiwe Sibeko, Barbara F. Abrams. *Publication 7720.4*
- 5* **The Effect of Holder Pasteurization on Cytokine Levels in Donor Human Milk.** Peter B. Untalan, Susan E. Keeney, Audelio Rivera, Armond S. Goldman. *Publication 7720.5*
- 6 **Growth and Nutrient Intakes of Human Milk-Fed Premature Infants Provided with Extra Energy and Nutrients after Hospital Discharge.** Deborah L. O'Connor, Sobia Khan, Karen Weishuhn, Jennifer Vaughan, Ann Jefferies, Douglas M. Campbell, Elizabeth Astalos, Mark Feldman, Joanne Rovet, Carol Westall, Hilary Whyte. *Publication 7720.6*
- 7 **Retinopathy of Prematurity and Carotenoids in Human Milk Fed Preterm Infants.** Gary M. Chan, Carrie Rau, Werner Gellermann, Maia R. Ermakova. *Publication 7720.7*
- 8 **The Dutch Vitamin K Prophylaxis for Breast-Fed Infants: Alarming High Incidence of Severe Vitamin K Deficiency Bleeding as Initial Presentation of Biliary Atresia.** Peter M. van Hasselt, Tom J. de Koning, Nina Kvist, Elsemieke de Vries, Marianne Horby Jorgensen, Roderick H.J. Houwen, Henkjan J. Verkade, also on Behalf of NeSBAR. *Publication 7720.8*
- 9 **Early Hand Expression Affects Breastmilk Production in Pump-Dependent Mothers of Preterm Infants.** Jane Morton, Judy Y. Hall, Lucy Thairu, Sarrah Nomanbhoy, Raneeh Bhutani, Stewart Carlson, Ronald J. Wong, William D. Rhine. (Sponsored by David K. Stevenson) *Publication 7720.9*
- 10 **Difficulties with Exclusive Breastfeeding for Those in WIC: Why Do Breastfeeding Mothers Enrolled in WIC Receive Formula?** Alison V. Holmes, Nancy P. Chin, Jeffery Kaczorowski, Cynthia R. Howard. *Publication 7720.10*
- 11* **Breastfeeding Education in Pediatric Residency Programs.** Yardaena B. Osband, Patricia A. Patrick, Karen S. Edwards, Robin L. Altman. *Publication 7720.11*
- 12 **Pediatricians Lack Confidence in Breastfeeding Skills.** Lawrence M. Noble, Anita Noble, Donna M. Geiss, Ivan L. Hand. *Publication 7720.12*

3:00pm–5:00pm

7725 Myocardial Diseases and Electropathies

PAS Platform Session ~ TCC, Room 715A

Chairs: Bruce D. Gelb and Thomas J. L'Ecuyer

- 3:00 * **Differential Gene Expression in the Afterload-Stressed Right Ventricle (RV) vs Left Ventricle (LV).** Takashi Urashima, Mingming Zhao, Roger Wagner, Giovanni Fajardo, Sara Farahani, Tom Quertermous, Daniel Bernstein. *Publication 7725.1*
- 3:15 * **Impact of Energy Substrate on Contractile Performance in a Neonatal Rat Engineered Cardiac Tissue Model.** Bryan J. Funari, Michelle Witt, Kimberly M. Clause, Bradley B. Keller, Kimimasa Tobita, John C. Ralphe. *Publication 7725.2*
- 3:30 * **Role of Myopalladin-CARP Interactions in Myocyte Differentiation and Proliferation.** Enkhsaikhan Purevjav, Jaquelin Varela, Debra L. Kearney, Siegfried Labeit, Carole L. Moncman, Neil E. Bowles, Jeffrey A. Towbin. *Publication 7725.3*

- 3:45 * Cardiac Troponin T Mutation Causes Familial Restrictive Cardiomyopathy with Variable Remodeling.** Shaji C. Menon, Virginia V. Michels, Patricia A. Pellikka, Jeffrey D. Ballew, Margaret L. Karst, Kathleen J. Herron, Susan M. Nelson, Richard J. Rodeheffer, Timothy M. Olson. (Sponsored by Frank Cetta) *Publication 7725.4*
- 4:00 * Molecular Characterization of Troponin C Mutations, a Novel Cause of Hypertrophic Cardiomyopathy in Children.** Michelle L. Marquardt, J. Martijn Bos, Steve R. Ommen, Michael J. Ackerman. *Publication 7725.5*
- 4:15 Opposing Roles of β -Adrenergic Subtypes (β -AR) on Survival, Contractile Function and Ca²⁺ Transients in Muscle LIM Protein (MLP) Cardiomyopathy.** Giovanni Fajardo, Mingming Zhao, Takashi Urashima, Brian Kobilka, Daniel Bernstein. *Publication 7725.6*
- 4:30 * Mutations in Desmosomal Cadherins Cause Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy.** Tianhong Xu, Zhao Yang, Frank Marcus, Hugh Calkins, Daniel Judge, Matteo Vatta, Jeffrey A. Towbin. *Publication 7725.7*
- 4:45 * Ventricular Ectopy during Exercise Stress Testing in the Evaluation of Long QT Syndrome.** Justin M. Horner, Michael J. Ackerman. *Publication 7725.8*

3:00pm–5:00pm

7730 Neonatal Diseases-Interventions and Insights at a Translational Level

PAS Platform Session ~ TCC, Room 801B

Chairs: Suhas G. Kallapur and Charles Palmer

- 3:00 * Mesenchymal Stem Cell Treatment Ameliorates Lung Alveolar and Vascular Injury in Response to Hyperoxia in Neonatal Mice.** Rajiv Baveja, Olin Liang, Angeles Fernandez-Gonzalez, Alex Mitsialis, Stella Kourembanas. *Publication 7730.1*
- 3:15 * Improved Survival in Neonatal Mice with Sepsis Following TLR Agonist Treatment.** James Wynn, Rob Winfield, Matthew Delano, Ofer Levy, Lyle Moldawer. (Sponsored by David J. Burchfield) *Publication 7730.2*
- 3:30 * The Two Probiotic Strains, *L. acidophilus* and *S. thermophilus*, Down-Regulate Toll-Like Receptor 4 Expression in Enterocytes.** Kathryn Carlson, Robert B. Schy, Tamas Jilling, Jing Lu, Michael S. Caplan. *Publication 7730.3*
- 3:45 Brain-Derived Neurotrophic Factor (BDNF) Plays a Role in Hyperoxia-Induced Impairment of Lung Parenchymal Relaxation.** Ramadan B. Sopi, Syed I. Zaidi, Qin Yao, Musa A. Haxhiu, Richard J. Martin. *Publication 7730.4*
- 4:00 * Hypoxic Pulmonary Vasoconstriction (HPV) Is Blunted in Experimental Bronchopulmonary Dysplasia (BPD) in Newborn Rats.** Juliana Rey, Beth Kirby, Tim Van Haaften, Farah Eaton, Stephen L. Archer, Bernard Thebaud. *Publication 7730.5*
- 4:15 * Post-Hypoxic-Ischaemic Hyperthermia Causes Persistent Exacerbation of Brain Injury and Motor Impairment in the Neonatal Rat. S.** Hogan, C. Hobbs, J. Dingley, A. Tucker, M. Thoresen. *Publication 7730.6*
- 4:30 Heme Oxygenase Regulates Murine Maternal and Fetal Hemodynamic Function.** Hui Zhao, Ronald J. Wong, Timothy C. Doyle, Christopher H. Contag, David K. Stevenson. *Publication 7730.7*
- 4:45 * Evidence That the Oxytocin Receptor Plays a Role in Preterm Birth.** Kara J. Stirling, Marla Johnson, Sara Welter, John M. Dagle, Jeffrey C. Murray. *Publication 7730.8*

3:00pm–5:00pm

7735 Neurodevelopmental Disabilities

PAS Platform Session ~ TCC, Room 705

Chairs: Marianne Hopkins and Paul H. Lipkin

- 3:00 Real-Time PCR Detects an Increased Rate of Congenital Cytomegalovirus Infection from Newborn Blood Spots of Infants Who Fail Newborn Hearing Screening (NHS).** Mark R. Schleiss, Lisa A. Schimmenti, Yeon Choi, Bazak Sharon, Cindy Khan, Mark McCann. *Publication 7735.1*
- 3:15 * Brain Tissue Volume Alterations Are Present Already at Birth in Preterm Infants with Neurodevelopmental Delay: A Serial Volumetric MRI Study.** Cristina Borradori-Tolsa, Manon Benders, Simon K. Warfield, Monica Freschi, Francois Lazeyras, Petra S. Huppi. *Publication 7735.2*
- 3:30 Hypoxic-Ischemic Injury Induces Persistent Activation of Type-1 Hippocampal Neural Progenitors.** Darryl K. Miles, Steven G. Kernie. *Publication 7735.3*
- 3:45 Reduced Hippocampal Volumes in Very Preterm Infants Are Associated with Working Memory Deficits.** Peter J. Anderson, Deanne K. Thompson, Kelly Howard, Stephen J. Wood, Gary F. Egan, Marilyn Bear, Karli Treyvaud, Rod W. Hunt, Lex W. Doyle, Simon K. Warfield, Gregory A. Lodygensky, Terrie E. Inder. *Publication 7735.4*
- 4:00 MRI at Term Is More Predictive of Adverse Outcome at 2 Years of Age Than Cranial Ultrasound.** Rod W. Hunt, Terrie E. Inder, Peter J. Anderson, Kelly Howard, Geoff Ford, Noni M. Davis, Marilyn Bear, Hong Wang, Lex W. Doyle. *Publication 7735.5*
- 4:15 Inflammation, White Matter Injury and Early Neuromaturation in Preterm Infants.** Marilee C. Allen, Elizabeth Cristofalo, Susan Aucott, Greg R. Alexander, Akimosa Jeffrey-Kwanisai, Pamela K. Donohue. *Publication 7735.6*
- 4:30 * Binge Ethanol Feeding Induces Dose Dependent Inhibition of L1 Dephosphorylation.** Yoav Littner, Ningfeng Tang, Min He, Cynthia F. Bearer. *Publication 7735.7*

- 4:45 * GM1 Ganglioside and Choline Reverse the Effect of Ethanol on Lipid Rafts.** Ningfeng Tang, Min He, Cynthia F. Bearer.
Publication 7735.8

3:00pm–5:00pm

7740 NO & Newborn Lung: Beyond Vasodilation

PAS Platform Session ~ TCC, Room 716B

Chairs: Richard J. Martin and Robin H. Steinhorn

- 3:00 * Nitric Oxide Improves Lung Structure after Nitrofen Exposure in Rat Fetal Lung Explants.** Anette Kunig, Vincent Muhlethaler, Vivek Balasubramaniam, Gregory Seedorf, Steven Abman. *Publication 7740.1*
- 3:15 * Cerebrospinal Fluid Concentrations of Nitrite Following Administration of Inhaled Nitric Oxide in Newborn Lambs.** George R. Conahey, Laura S. Kirby, Michael H. Terry, Andrew O. Hopper, Janet R. Ninnis, Gordon G. Power, Arlin B. Blood. (Sponsored by Richard Chinnock) *Publication 7740.2*
- 3:30 * Nitric Oxide Decreases Protein Nitration in the Lungs of Neonatal Mice Exposed to Hyperoxia.** Michael R. Stenger, Melissa J. Rose, Mandar S. Joshi, Louis G. Chicoine, John A. Bauer, Leif D. Nelin. *Publication 7740.3*
- 3:45 * Leukocyte Trafficking in Hyperoxia-Induced Lung Injury: Protective Effects of Inhaled Nitric Oxide.** Melissa J. Rose, Michael R. Stenger, Mandar S. Joshi, Leif D. Nelin, John A. Bauer. *Publication 7740.4*
- 4:00 NO and Mechanical Stretch Increase Phosphodiesterase 3A Expression in Ovine Fetal Pulmonary Artery Smooth Muscle Cells.** Bernadette Chen, Kathryn N. Farrow, Satyan Lakshminrusimha, Lyubov Czech, Beezly S. Groh, James A. Russell, Robin H. Steinhorn. *Publication 7740.5*
- 4:15 The Effect of Gestational Age, Postnatal Age and Inhaled Nitric Oxide (iNO) on Lung Interleukin (IL)-6 and IL-8 mRNA in Newborn Lambs.** Rita M. Ryan, Ibrahim S.I. Mohamed, Richard D. Bland, Daniel D. Swartz, Philip L. Ballard, Lori Nielsen, Huamei Wang, Karen A. Wynn, Satyan Lakshminrusimha, Vasanth H. Kumar. *Publication 7740.6*
- 4:30 * Apoptotic Signaling in Pulmonary Epithelial Cells and Arterial Smooth Muscle: Opposing Effects of Hypoxia and Nitric Oxide Exposure.** Fabiana Postolow, Alex Gutsol, Shyamala Dakshinamurti. *Publication 7740.7*
- 4:45 * Potential Mechanism for Zn²⁺-Associated Mitochondrial Disruption and Induction of Apoptosis Following Acute Nitrosative or Oxidative Stress in Pulmonary Endothelial Cells.** Dean A. Wiseman, Stephen M. Black. *Publication 7740.8*

3:00pm–5:00pm

7805 Achieving Proficiency in Teaching: Is There Time to Teach? To Learn? To Think?

PAS Workshop ~ TCC, Room 802A

Target Audience: Fellows, students, and residents.

Objectives:

- Explore different educational philosophies and theories Recognize the many opportunities to teach and learn
- Apply and experience select teaching techniques

Leader: Ira Todd Cohen; Co-leaders: Karen Smith, Christiane Corriveau

Proficiency in teaching requires awareness of oneself, the learner and the process. This workshop will familiarize fellows with education theories and their applications. Completing a learning style inventory and drawing from personal experience, participants will have round table discussions of teacher and student mismatch. They will also examine Adult Learning Principles in this context. Participants will be introduced to approaches to strengthen the learning experience. Using video clips, small groups and role play, fellows will experiment with reflection, the learning moment, feedback, and expectation frameworks. Concluding feedback will focus on the advantages and limitations of the different methods.

Designed to meet elements of the core curriculum for pediatric fellowship subspecialty training.

3:00pm–5:00pm

7807 Applying Standardization to Prescription of Fluids and Medications in NICU

PAS Workshop ~ TCC, Room 709

Target Audience: Neonatologists, intensivists, other prescribers, pharmacists, nurses, medical IT developers.

Objectives:

- Learn a variety of practices and tools used to implement standardized prescription in NICUs Practice multidisciplinary development of solutions to standardized prescription relevant to their own institutions
- Learn about computerized methods for rapid implementation of standardized infusions

Leader: Joaquim Pinheiro; Co-leaders: Amy Mitchell, Vinay Vaidya

Traditional neonatal dosing of fluid and medications is highly customized. Current focus on patient safety is leading to a transition to standardization. Despite a recent JCAHO mandate calling for standardized drip concentrations, a lack of specific national guidelines hampers this transition. This workshop aims to help participants implement safer methods of prescribing in their NICUs, utilizing principles of standardization. The leaders will share their experience in achieving the transition to standardization. Workgroups will apply standardization to clinical scenarios reflective of the participants' NICUs.

3:00pm–5:00pm

7809 Epigenetics and Human Disease

PAS Workshop ~ TCC, Room 704

Target Audience: Scientists and clinicians interested in the role of epigenetic dysregulation in human disease.

Leader: Robert A. Waterland, Houston, TX; Co-leaders: Arturas Petronis and Rosanna Weksberg

Epigenetic mechanisms are established during prenatal and early postnatal development and maintain the stability of tissue-specific gene expression in differentiated tissues. Environmental influences including nutrition can affect these developmental processes, causing permanent changes in gene expression and related phenotypes. This interactive workshop will introduce epigenetic gene regulation, review the role of epigenetic dysregulation in human developmental diseases and cancer, and discuss the potential involvement of epigenetics in complex diseases including psychiatric diseases, obesity, and type-2 diabetes. Current issues in developmental epigenetics will be discussed, including assisted reproductive technologies and epigenetic dysregulation, pediatric testing for epigenetic abnormalities, and emerging technologies for genome-wide epigenetic profiling.

3:00pm–5:00pm

7813 How to Write a NIH Grant

PAS Workshop ~ TCC, Room 703

Target Audience: Trainees and faculty interested in learning how to write a grant.

Objective:

- Learn how to prepare a grant application

Leader: William W. Hay, Jr.

The purpose of this workshop is to review the most successful methods for writing a grant application. NIH grant applications will be emphasized and used for illustrations, but the format will be general enough to apply to other granting agency applications. Specific topics will include: career timeline for different grants; organization of the application; items to include in each section of the grant; budget requirements; writing hints; resubmission strategies; how to write the application to meet study section reviewer criteria; common successes and common mistakes in writing applications. There will be ample time for general and personal questions from the attendees. Power point figures used in Dr. Hay's talk will be available upon request by email to Dr. Hay after the meeting.

Designed to meet elements of the core curriculum for pediatric fellowship subspecialty training.

3:00pm–5:00pm

7815 Leadership at Lunch—Implementing a Leadership Development Program for Your Residents and Staff

PAS Workshop ~ TCC, Room 707

Target Audience: Residents, junior faculty and senior faculty interested in establishing leadership development programs for all levels of health care providers.

Objectives:

- Understand importance of establishing leadership development program for all levels of health care providers within a department
- Describe use of popular movies and small group discussion in establishing ongoing dialogue of key leadership topics

Leader: Mark W. Thompson; Co-leader: ~~Charles W. Callahan~~ cancelled and replaced with Martin Weisse

For this workshop, we would propose first presenting a brief overview of our program describing its goals, objectives, and format. We would then take participants through three individual sessions illustrating both the format of the seminar and participants ability to easily participate in leadership discussions, especially when prompted by illustrative scenes from popular movies. We would propose the following leadership topics to be discussed with appropriate movie clips: 1) Emotional Intelligence; 2) Toxic Leadership; 3) Integrity. We would close with a brief discussion on implementing such a program at other facilities and brainstorming on other potential ideas and subjects to be discussed.

3:00pm–5:00pm

7817 Managing Others, Managing Oneself: The Art and Science of Leading Groups

PAS Workshop ~ TCC, Room 809

Target Audience: Students, residents and/or faculty.

Objectives:

- Learn dynamics of group functioning
- Enhance understanding of their natural leadership style(s)
- Learn how to diagnose and manage group dysfunction

Leader: Robert A. Doughty; Co-leader: Patricia D. Williams

Medical training does little to prepare physicians for the challenges of leading others. This participatory workshop offers individuals the opportunity to practice core leadership skills. Participants will: determine their own leadership strengths; understand the dynamics underlying effective teamwork; learn prevention, diagnosis and treatment of group dysfunction; and enhance skills in motivating others, effective communication, management of conflict, and leading effective meetings. The workshop is designed to be experiential, interactive and thought-provoking. Participants will be actively engaged individual and small group exercises and discussion.

3:00pm–5:00pm

7819 Motivational Interviewing

PAS Workshop ~ TCC, Room 206D

Target Audience: All levels as this is a new behavioral health method.

Objectives:

- Review the empirical basis and relevant literature for Motivational Interviewing
- Learn basic Motivational Interviewing skills
- Participate in clinical skill building exercises and discussion

Leader: Mariann Suarez; Co-leader: Terry Stancin

Pediatricians spend a great deal of time counseling parents and patients about changing behaviors that are harmful to their health, yet patient compliance and engagement in treatment recommendations is often poor. Few models to help patients engage in long lasting behavior changes have emerged that are applicable to the primary care setting. A new counseling approach gaining attention in the Pediatric literature is Motivational Interviewing (MI). MI is a brief, empirically supported approach that helps patients explore and resolve their ambivalence about change. MI has proven efficacious with various disorders and medical issues (i.e., obesity, compliance) with adult and teenage populations. The proposed workshop provides an introductory review of skills and applications for incorporating MI into practice.

3:00pm–5:00pm

7821 Public Speaking Advanced Life Support (P-ALS): Resuscitating the Art of Effective Public Speaking for Pediatricians

PAS Workshop ~ TCC, Room 206B

Target Audience: This workshop will appeal to trainees, fellows, and all levels of faculty.

Objectives:

- Explain basic concepts of effective public speaking and the importance these skills as a core competency for all pediatricians
- Understand an existing longitudinal curriculum for public speaking training utilized within a pediatric residency training program and its application to broader Pediatric providers
- Apply existing feedback tools to improve explicit feedback given to speakers

Leader: Jason (Jay) Homme, MD; Co-leaders: Marcie Billings, MD, Lauren McGovern, MD

Effective public speakers are not born, they're made. Nearly every pediatrician will give formal presentations during their career making public speaking an important competency. Rarely is formalized training in public speaking or structured feedback provided during any stage of careers to enhance skills. During this interactive workshop participants will learn how to "breath life" back into public speaking through understanding a curriculum currently in use within a pediatric residency training program to improve preparation and presentation skills. Participants will view videotaped examples of public speaking and work together in groups too use assessment tools to develop effective skills for providing focused feedback. These feedback tools along with other resources will be provided to the participants to use and modify to meet their own unique needs.

3:00pm–5:00pm

7823 Putting Off Procrastination (and Increasing Scholarly Productivity)

PAS Workshop ~ TCC, Room 206F

Target Audience: Junior faculty and fellows, unit leaders that work with junior faculty-learners that procrastinate.

Objectives:

- Explain the cycle of procrastination Assess individual strengths and weaknesses against the procrastination cycle
- Explain the components of an approach to avoid procrastination in the future

Leader: Dale A. Newton; Co-leaders: William Anderson, Martha Grayson

Faced with competing demands and expectations, academic pediatricians often put off scholarly activities important for promotion. Even with protected time for scholarship, faculty naturally gravitate to something easier and less anxiety provoking than more difficult scholarly tasks. Is procrastination a permanent malady? Are there effective interventions? This workshop is directed at junior faculty, and senior faculty mentors. Participants will learn findings from the literature of procrastination. Specifically they will conduct a self-assessment about their current approaches to scholarly work, learn about the cycle of procrastination, develop strategies for breaking the cycle, and develop a personal plan.

3:00pm–5:00pm

7825 Quantity Versus Quality: Teaching Proper Documentation in the Era of Electronic Medical Records

PAS Workshop ~ TCC, Room 205B

Students/residents/fellows/faculty at institutions with or considering electronic medical records

Objectives:

- Recognition of the inherent strengths and weaknesses of electronic medical records
- Learn about strategies/experiences other institutions are using to address quality problems in EMR documentation
- Assistance in the development of specific strategies to combat problems with EMRs at your own institution

Leader: John Schmidt; Co-Leaders: Jocelyn Schiller, Kerry Mychaliska

Building on our 2006 workshop, attendees will discuss methods for teaching house staff and students how to balance the efficiency of an electronic medical record (EMR) while also writing quality notes. Pediatric hospitalists from the University of Michigan will discuss improvements seen in clarity and thoroughness of notes after the implementation of a variety of tools. These include templates for medical documentation and the development of multidisciplinary educational sessions for trainees which focus on proper documenting techniques. We have expanded to briefly introduce experiences and interventions attempted at other institutions and a discussion of some technological barriers to their implementation. This will be followed by a facilitated discussion of the attendees who can collaborate on problems and successes at their own individual institutions.

3:00pm–5:00pm

7827 So You Want to do International Research?

PAS Workshop ~ TCC, Room 810

Target Audience: Trainees, fellows, junior faculty, and mid-level faculty.

Objectives:

- Increase understanding of issues related to design and implementation of trials in low and middle-income countries
- Increase skills in writing a protocol for research in another country Increase knowledge of funding opportunities for research in low and middle-income countries

Leader: Linda L Wright; Co-leaders: Jose Belizan, Shiva Goudar, Elizabeth McClure, Jeanne McDermott, Waldemar Carlo, Gerald Keusch

Almost all (99%) of maternal and infant deaths worldwide occur in low and middle-income countries. Conducting research in these countries has many rewards and challenges, which are often daunting for investigators applying for NIH support. This workshop will describe the process of applying for research support from NIH, how review is done, how to enhance the likelihood of success and preparing for a career in international research. We will also discuss the design and conduct of studies in these settings, how to identify appropriate partner countries and collaborate with local investigators and government organizations as well as important areas for international research: the need for registries and the challenge of follow-up, strengthening local research capacity, and facilitating sustainability.

3:00pm–5:00pm

7829 Techniques for Large and Small Group Instruction

PAS Workshop ~ TCC, Room 205D

Target Audience: Students, residents, fellows and faculty involved in education or with an interest in teaching.

Objectives:

- Review principles of learning theory
- Develop strategies to increase active learning in lectures
- Increase effectiveness in small group instruction

Leader: E. Allen Liles, Jr.; Co-leader: Harvey Hamrick; Panelists: John Benjamin, Julie Byerley

This workshop will review adult learning theory and how these principles apply to lecturing and small group instruction. There will be three objectives to this workshop. First, participants will review learning theory. Next, the workshop will focus on the application of adult learning principles to large group instruction with a focus on developing strategies to increase active learning in lectures. Next, the workshop will apply adult learning principles to small group instruction and help participants develop methods to increase their effectiveness in that teaching setting.

3:00pm–5:00pm

7831 The NICHD: How It Works and Opportunities for Research Support

PAS Workshop ~ TCC, Room 706

Target Audience: Trainee, fellow, and junior faculty.

Objective:

- Areas of special current research interest to NICHD information on support mechanisms at different career stages and how NIH receives, assigns, reviews and funds applications for support of various types of research, training and career

development

Leader: Duane Alexander; Co-leader: Linda Wright

Participants in this seminar will receive information on how the NIH receives, assigns, reviews and funds applications for support of various types of research, training and career development. The variety of support mechanisms available at different career stages will be described, along with areas of special current research interest to the National Institute of Child Health and Human Development.

Designed to meet elements of the core curriculum for pediatric fellowship subspecialty training.

3:00pm–6:45pm

Commercial Exhibits Open and Posters Available for Viewing

TCC, Exhibit Hall E

Posters Available for Viewing: 3:00pm–6:45pm

Author Attendance: 5:15pm–6:45pm

3:15pm–5:15pm

7865 New/Emerging Therapies for T1DM—Drugs, Devices and Delivery

PAS/LWPES Topic Symposium ~ TCC, Room 718A

Target Audience: General pediatricians, pediatric endocrinologists and nephrologists.

Objectives:

- Understand recent advances in the management of a child with diabetes mellitus
- Appreciate the indications and advantages of newer insulin analogs
- Be cognizant of the ongoing trials for preservation of beta cell function in patients with T1DM
- Familiarize themselves with the state of the art techniques for home glucose monitoring

Chairs: Margaret Lawson, Children's Hospital of Eastern Ontario, Ottawa, Ontario, Canada; and Henry Rodriguez, Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN

Advances in basic and applied immunology, pharmacotherapeutics with the advent of "designer" insulins, and bioengineering have revolutionized the care of a child with T1DM. This symposium will discuss the risks/benefits of these newer modalities of treatment and analyze the impact of these advances on the clinical care of a child with T1DM.

3:15 (Cancelled) Newer Insulins

Jay S. Skyler, University of Miami School of Medicine, Miami, FL

3:55 Devices for Monitoring and Drug Delivery

Stuart A. Weinzimer, Yale School of Medicine, New Haven, CT

4:35 Preservation of Beta Cell Function in T1DM

Kevan Herold, Yale School of Medicine, New Haven, CT

Sponsored jointly by the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

4:00pm–5:00pm

7870A PIDS 4th Annual Stanley A. Plotkin Lectureship in Vaccinology

TCC, Room 801A

Chair: Joseph W. St. Geme, III, Duke University School of Medicine, Durham, NC

The Pediatric Infectious Diseases Society has established the Stanley A. Plotkin Lectureship in Vaccinology to honor Dr. Plotkin, the Society's "Founding Father." The lecture, which takes place at the annual PIDS meeting is sponsored by sanofi pasteur. Dr. Plotkin was medical director at sanofi pasteur and remains a medical and scientific advisor. The inaugural lecture was delivered by Dr. Plotkin in 2004.

4:00 Introduction

Peter F. Wright, Vanderbilt University School of Medicine, Nashville, TN

4th Annual Lecture

4:05 From Jenner to Genome: New Approaches to Vaccinology

Kathryn M. Edwards, Vanderbilt University School of Medicine, Nashville, TN

Supported by an unrestricted educational grant from sanofi pasteur

5:00pm–6:00pm

7875A PIDS Business Meeting

TCC, Room 801A

5:15pm–6:45pm

Poster Session III

TCC, Exhibit Hall E

Author Poster Set Up: 9:00am–3:00pm
Poster Removal: 6:45pm–7:15pm
Available for Viewing: 3:00pm–6:45pm
Author Attendance: 5:15pm–6:45pm

General Pediatrics

7900 General Pediatrics

- 1 **Improvement in Documentation and Drug Dosing after Implementation of a Standard Order Set for Pediatric Sedation.** Marlene Broussard, Pat F. Bass, Connie L. Arnold, Jerry W. McLarty. *Publication 7900.1*
- 2 **Triple Dye Plus Rubbing Alcohol Versus Triple Dye Alone in Umbilical Cord Care.** Alawia K. Suliman, Heidi N. Watts, Jessica S. Beiler, Tonya S. King, Sana Khan, Mary Beth Carnuccio, Ian M. Paul. *Publication 7900.2*
- 3 **The Evaluation of Siblings of Patients with Vesicoureteral Reflux: A National Survey of Pediatric Nephrologists, Pediatricians, and Family Physicians.** Pamela J. Rogers, Henry L. Jones, Aaron E. Carroll. *Publication 7900.3*
- 4 **Father Involvement in Healthcare.** Craig F. Garfield, Anthony Isacco. *Publication 7900.4*
- 5 **Myth Versus Reality: What and How Do General Pediatricians Prescribe?** Kevin B. Johnson, Stephen Weissenberger, Carlton K. Lee, Allen Walker, Janet R. Serwint. *Publication 7900.5*
- 6* **Prevalence of Headache in the South Carolina Pediatric Practice-Based Research Network (SCPPRN).** Shannon A. Kennedy, Kristina K. Gustafson, J. Routt Reigart, Bernard L. Maria, Paul M. Darden. *Publication 7900.7*
- 7* **Parental Knowledge and Attitude Regarding Eczema in Children of the South Bronx.** Laura Daugialaite, Murali Yelugapuri, Ogechukwu Menkiti, Anbu Muthusamy, Ayoade Adeniyi, Ronald Bainbridge, Richard Neugebauer. *Publication 7900.8*
- 8 **Parent and Child Stress Reduction in the Hospital Setting Following Two Complementary (CAM) Interventions – New Approach to Family Centered Care.** Sheila Wang, Patricia Megregian, David M. Steinhorn. *Publication 7900.9*
- 9 **The Use of β -2-Agonist Bronchodilators for the Treatment of Bronchiolitis in U.S. Ambulatory Settings.** Karen C. Willis, Marion E. Hare, Grant W. Somes, Ron I. Shorr. *Publication 7900.10*
- 10* **Pertussis Diagnosis by PCR.** J.H. Shakib, P.H. Gesteland, C.L. Byington. *Publication 7900.11*
- 11* **The Successful Use of Wound V.A.C Therapy for Pediatric Wound Care: A Single Institution Experience of 58 Patients.** Jaimie T. Shores, Allen Gabriel, Darla R. Shores, Subhas Gupta. *Publication 7900.12*
- 12 **Survey of Pediatric Bone Mineral Density in South Florida.** A. Paredes, S. Balladares, M. Munoz, A. Cepero, F. Ramirez, J. Perez-Rodriguez. *Publication 7900.13*
- 13 **Viral Diagnostic Testing in Febrile Infants.** C.L. Byington, K. Valentine, K. Korgenski, C. Reynolds, J. Daly, B. Raines, P. Gesteland. *Publication 7900.14*
- 14 **Compliance with Recommended Laboratory Testing for Febrile Infants.** C.L. Byington, K. Valentine, K. Korgenski, C. Reynolds, J. Daly, B. Raines, P. Gesteland. *Publication 7900.15*
- 15 **Changes in Formulary Tier Resulting from E-Prescribing with Formulary Decision Support.** Timothy G. Ferris, Michael Fischer, Christine Vogeli, Margaret Stedman, Joel Weissman. *Publication 7900.16*
- 16 **Assessing Validity of a Bowel Habit Questionnaire in School-Aged Children.** Tanya D. Jagodzinski, M. Bruce Edmonson, Ellen R. Wald. *Publication 7900.17*
- 17* **National Rates and Predictors of Off-Label Prescribing to Infants and Toddlers.** Alicia Bazzano, Rita Mangione-Smith, Marika Suttrop, Matthias Schonlau, Robert Brook. *Publication 7900.18*
- 18* **Rationales for Pediatric Autopsy When Counseling Parents: A Retrospective Analysis of 100 Consecutive Autopsies at a Children's Hospital.** James A. Feinstein, Linda Ernst, Jaya Ganesh, Chris Feudtner. *Publication 7900.19*
- 19 **But Will You Love Me Tomorrow? Will Clinicians Sustain Use of Intervention Components after Study Completion?** Stacia Finch, Jenny Steffes, Victoria Weiley, Shari Barkin. *Publication 7900.20*
- 20 **Development of Patient Education Materials for Newborn Jaundice: Challenges of Message, Information and Directives.** Vinod K. Bhutani, Judith Y. Hall, Lois Johnson. *Publication 7900.21*
- 21* **Ten Medical Myths Even Doctors Believe.** Rachel C. Vreeman, Aaron E. Carroll. *Publication 7900.22*
- 22 **Treatment of Fever in Children: Parental Choice of Drugs and Dosing Errors.** Matti Ehrlichman, Adi Goldschmidt, Athur I. Eidelman. *Publication 7900.23*
- 23* **Parental Attitudes about Fever in a Pediatric Practice-Based Research Network (PBRN).** Katherine M. Joyce, Adrienne Stolfi, Shalini G. Forbis. *Publication 7900.24*
- 24* **Adherence to Therapeutic Guidelines and Appropriate Antibiotic Use in Acute Otitis Media.** Zuhail Ergonul, Daniel R. Neuspiel. *Publication 7900.25*

- 25* **Can School Absenteeism Predict Functional Gastrointestinal Disorders?** Susan Dabrowski, Devon E. Ebbing, Stephen M. Borowitz. *Publication 7900.26*
- 26 **A Lidocaine/Tetracaine Patch for Local Anesthesia Prior to Vascular Access Procedures in Children: Results from Two Randomized Controlled Studies.** B. Cunningham, A. Wagner, J. Finkel, J.C. Campbell. *Publication 7900.27*
- 27 **OROS® MPH: A Methylphenidate Formulation with a Low Potential for Abuse.** P.E. Ciccone, H.L. Starr, J.J. Coleman, T. Mrazik, R. DuPont, P.B. Bensinger. *Publication 7900.28*
- 28 **The Natural History of Pityriasis Rosea in Black American Children: How Correct Is the “Classic” Description?** Ahdi Amer, Howard Fischer, Xiaoming Li. *Publication 7900.29*
- 29 **A Comparison between the Rx Medibottle and Oral Syringe in Dosing Infants with a Bitter-Tasting Medication: A Randomized Controlled Clinical Trial.** Jolly Radhakrishnan, Khudsia R. Irfan, Richard Neugebauer, Glickman Cynthia, Stefan Hagmann, Murli U. Purswani. *Publication 7900.30*
- 30 **Music Therapy for Pain and Anxiety in Children and Youth Undergoing Medical Procedures: A Systematic Review of Randomized Controlled Trials.** Jeff A. Klassen, Yuanyuan Liang, Lisa Tjosvold, Terry P. Klassen, Lisa Hartling. *Publication 7900.31*
- 31* **Detecting Amblyopia in a Hispanic Population: Accuracy of the SureSight™ Vision Screener Used in a Pediatric Office.** Jianzhong Ji, Violeta Radenovich, Marie Leiner. *Publication 7900.32*
- 32 **A Guideline-Driven Computerized Template for Acute Respiratory Illness Visits in Pediatrics.** Fabienne C. Bourgeois, Jeffrey Linder, John Co, Meghan Backus, Timothy Ferris. *Publication 7900.33*
- 33 **Evaluation of Bronchiolitic Children Managed with Home Oxygen in Lieu of Hospitalization.** Patricia A. Braun, Steve Federico, Jody Maes, Carol Okada, John W. Ogle, Arthur Davidson. *Publication 7900.34*
- 34 **Use of 16 French Foley Catheter Instead of Digital Rectal Examination for Fecal Occult Blood Test in Infants and Children.** Manoochehr Karjoo, Mirza Beg. *Publication 7900.35*
- 35 **Comparison of NAAT on Genital Swabs and Urine in the Detection of *Neisseria gonorrhoeae* and *Chlamydia trachomatis* in Child Sexual Abuse Survivors.** Mary R. Leder, Philip V. Scribano, Mario J. Marcon. *Publication 7900.36*
- 36 **Peritonitis Following Image Guided Enterostomy Tube Insertion in Children.** Sanjay Mahant, Erica Mann, Bairbre Connolly. (Sponsored by Jeremy Friedman) *Publication 7900.37*
- 37 **Individual-, Family-, and Community-Level Influences on Children’s Oral Health.** S.A. Fisher-Owens, M.D. Bramlett, M. Soobader, S.A. Gansky, J.A. Weintraub, L.J. Platt, P.W. Newacheck. *Publication 7900.38*
- 38 **Prevention of Early Childhood Caries by Anticipatory Guidance.** Karl E. Bergmann, Renate L. Bergmann, Christian Finke, Rolf Richter, Joachim W. Dudenhausen. (Sponsored by Ekhard E. Ziegler) *Publication 7900.39*
- 39 **Early Childhood Caries Prevention in Inner City Infants and Toddlers.** Glenn E. Minah, Lindsey K. Grossman, Christina Lin, Sarah Coors, Isabel Rambob. *Publication 7900.40*
- 40* **Oral Health Practices of Parents and Children Served by a Large Urban Pediatric Clinic.** J. Post, A. Getzin, M. Ng, R. Webster, B. Grove, I. Chase, W. Risko. *Publication 7900.41*
- 41 **Leave of Absence, Retirement and Reentry into the Workforce.** Holly J. Mulvey, William L. Cull, Ethan A. Jewett, Gretchen L. Caspary, Avrum L. Katcher. (Sponsored by Robert Perelman) *Publication 7900.42*
- 42 **Trends in Part-Time Employment among Pediatricians.** Karen G. O’Connor, William L. Cull, Sharp Sanford. *Publication 7900.43*
- 43 **How Are Pediatricians Spending Their Time in Primary Care? How Do They Think They Should Be Spending It?** Tumaini R. Coker, G. Caleb Alexander, Lawrence P. Casalino, John Lantos. *Publication 7900.44*
- 44 **Older Pediatricians Work Part-Time Too.** William L. Cull, Holly J. Mulvey, Gretchen L. Caspary, Avrum L. Katcher. *Publication 7900.45*
- 45 **Pediatrician Attitudes, Beliefs, and Practices towards Environmental Health in Two Midwestern States.** Leonardo Trasande, Raphael Falk, Melissa L. Schapiro, Philip J. Landrigan. *Publication 7900.46*
- 46 **Reporting Environmental Chemicals in Breast Milk: Perspective of the Research Participant.** Sheela R. Geraghty, Jane C. Khoury, Ardythe L. Morrow, Bruce P. Lanphear. *Publication 7900.47*
- 47 **Health Care Professional Training Experience and Needs on Pesticides and Child Health.** Catherine Karr, Helen Murphy, Gwen Glew, Matthew C. Keifer, Richard A. Fenske. *Publication 7900.48*
- 48 **Validation of Bone Lead by K-Shell X-Ray Fluorescence (KXRF) in a Pediatric Population.** James R. Campbell, J.E. Puzas, Randy Rosier. *Publication 7900.49*
- 49* **Lead Poisoning among Inner City Children before 9 Months of Age: Is Testing Needed?** Santosh Kumar, Margaret Clark-Golden, Nathan Graber, Jeremy Weedon, Robert J. Karp. *Publication 7900.50*

7901 Injury/Patient Safety

- 50* **Causes of Death in a Hospital Based Urban Pediatric Ambulatory Population.** Jennifer San Jose, Ann S. Botash. *Publication 7901.1*

- 51 **Changing Patterns of Suicide in Children and Youth: A Population-Based Study.** Lynne Warda, Joan Blakley, Laurence Katz. *Publication 7901.2*
- 52* **Bassinet Use and Sudden Unexpected Infant Death: A Case Series.** Jodi I. Pike, Rachel Y. Moon. *Publication 7901.3*
- 53 **Barriers to Bicycle Helmet Use among Dutch Pediatricians.** Ana Martinez-Olaizola, Sanne Hammer, Eduardo Villamor. (Sponsored by Carlos E. Blanco) *Publication 7901.4*
- 54 **Racial/Ethnic Disparities in Bicycle Helmet Use among Children with and without Special Health Care Needs: Effects of Neighborhood Characteristics and State Helmet Laws.** Emmanuel M. Ngui. *Publication 7901.5*
- 55 **Jewelry Use in Young Children.** Elana Altzman, Laura Dattner, Shevonne Williams, Michael Joseph. (Sponsored by Margaret Hammerschlag) *Publication 7901.6*
- 56 **Traumatic Brain Injury in Children Younger Than 2 Years of Age in Japan.** Hiroaki Nagase, Kazunori Aoki, Azusa Maruyama, Osamu Soma, Hajime Nakamura. (Sponsored by David K. Stevenson) *Publication 7901.7*
- 57* **No One Wears Helmets: Attitudes towards Helmet Use among Adolescent Motorcyclists in Laos.** Keiko Hikino, Nobuaki Michihata, Yuho Horikoshi, Katsunori Kamimura, Hirokazu Sakai, Akio Kimura, John I. Takayama. *Publication 7901.8*
- 58* **Critical Infant Car Seat Misuse.** Jonathan H.J. Brenner, Josephine Crisostomo, Juliana Clough, Michael Silverstein. (Sponsored by Howard Bauchner) *Publication 7901.9*
- 59 **Stability of the Infant Car Seat Challenge and Risk Factors for Oxygen Desaturation.** Michele L. DeGrazia. (Sponsored by Helen Christou) *Publication 7901.10*
- 60 **Comparison of Respiratory and Circulatory Physiologic Features Vis a Vis Car Safety Seats or Car Beds in Infants.** Masuji Hattori, Masaru Nishida. (Sponsored by Michael Bendel-Stenzel) *Publication 7901.11*
- 61 **Measurement of ATV Safety Behaviors in Rural Communities.** Mary E. Aitken, Samantha H. Mullins, John Nixon, James Graham, Jeffrey Coben, Jim Helmkamp. *Publication 7901.12*
- 62 **Drug Ingestions in Children 10-14 Years Old: An Old Problem Revisited.** Wendy J. Pomerantz, Sarah Farris, Lauren Frey, Michael A. Gittelman. *Publication 7901.13*
- 63 **Patient Safety in Ambulatory Pediatrics: Team-Based Intervention.** Daniel R. Neuspiel, Margo Guzman, Cari Harewood, Fabio Martinez, Camille Senzamici, Tina Tejada, Valerie Walker. *Publication 7901.14*
- 64 **Compliance with a Hospital Prescribing Policy in the Residents' Continuity Clinic.** Terry C. Wall, Jennifer Ellzey. *Publication 7901.15*

7902 Hospitalist Medicine/Emergency Medicine

- 65 **Smoking Cessation in Caregivers of Pediatric Emergency Department Patients.** Sabina B. Singh, Donald Marks, Brigitte M. Baumann, Edwin J. Boudreaux. *Publication 7902.1*
- 66* **Vulnerable Child Syndrome: Emergency Medicine Perspective.** Patricia Chambers, Melinda Mahabee-Gittens. *Publication 7902.2*
- 67* **Screening for Developmental Delay in High Risk Users of an Urban Pediatric Emergency Department (PED).** Devin S. Grossman, Alan L. Mendelsohn, Michael G. Tunik, Benard P. Dreyer, George L. Foltin. *Publication 7902.3*
- 68 **Sustained Effect of the Implementation of a Medical Short Stay Unit on Length of Stay, Radiographic and Laboratory Utilization, and Medication Usage for Patients with Uncomplicated Bronchiolitis beyond a Clinical Care Guideline.** Genie E. Roosevelt, Michael Rannie, Lalit Bajaj. *Publication 7902.4*
- 69* **Recent Physician-Reported Trends in the Hospitalization of U.S. Children.** Ted D. Sigrest, Erin R. Stucky, Peter G. Szilagyi, Karen G. O'Connor. *Publication 7902.5*
- 70 **Pediatric Hospitalization for Children with Chronic Conditions: Variation in Access to Specialty Care in California.** Lisa J. Chamberlain, Jia Chan, Pam Mahlow, Lynne C. Huffman, Paul H. Wise. *Publication 7902.6*
- 71* **Pediatric Hospitalists as Consultants: A Descriptive Study.** Jacob Lonsdale, Gregory Harlan, Gena Fletcher, Flory Nkoy. *Publication 7902.7*
- 72 **Evaluation of Electronic Medication Reconciliation in Pediatric Inpatients.** Abha Agrawal, Winfred Wu, Munish Khaneja, Ninad Desai, Israel Khachewatsky. (Sponsored by Ninad Desai) *Publication 7902.8*
- 73 **Patient Throughput: Improving Discharge Times in an Academic Medical Center.** Michael Bryant, Ara Balkian, Jeff Johnson, Ansley Splinter, Kenny Pawlek. *Publication 7902.9*
- 74 **Newborn Circumcision by Hospitalists – A Steep Learning Curve with Few Complications.** Kenneth J. Pituch, John P. Schmidt, Jennifer L. Meyers, Jocelyn H. Schiller, Nadia Sarwar. *Publication 7902.10*
- 75 **Parents' Knowledge and Attitudes about Diagnostic Testing during a Child's Hospitalization.** Beth A. Tarini, Dimitri A. Christakis, Paula Lozano. *Publication 7902.11*
- 76 **Early Factors Predictive of Prolonged Hospital Stay for Infants with Bronchiolitis.** Michael C. Weisgerber, Patricia S. Lye, Rainer Gedeit, Deborah Bakalarski, Qun Xiang, Marc H. Gorelick. *Publication 7902.12*

Medical Education / Resident Education

7903 Resident Well-Being

- 77* **Utilization of Healthcare Services by Residents and Their Families.** Jessica Nichols, John Olsson. *Publication 7903.1*
- 78 **Assessing Stress, Strain and Coping in Pediatric and Combined Residents.** Lorraine Brewer, Karen Cox, Susan Teasley, Jane Knapp. *Publication 7903.2*
- 79* **Residency Programs' Support of Breastfeeding Practices among Pediatric Residents.** Yardaena B. Osband, Patricia A. Patrick, Karen S. Edwards, Robin L. Altman. *Publication 7903.3*
- 80* **Educating Pediatric Residents in Developmental and Social-Emotional Health.** Sarah C. Bauer, Peter J. Smith, Alyna T. Chien. *Publication 7903.4*

7904 Resident Duty Hours

- 81 **Pediatric Residency Call and Night Float Trends after Implementation of ACGME Work Hour Regulations.** Jodi K. Wenger, Stuart N. Karon. *Publication 7904.1*
- 82 **Resident Assistants Can Successfully Reduce Duty Hour Violations While Improving Quality of Houseofficer Inpatient Educational Experiences.** Hilary M. Haftel, Ilene G. Phillips, Mary Ellen Bozynski. *Publication 7904.2*
- 83 **Effects of ACGME Duty Hour Regulations on Pediatric In-Training Examination Scores.** Allison W. Brindle, Lindsay A. Thompson, Maureen A. Novak. *Publication 7904.3*
- 84 **Does Enforcement of a Law Limiting Resident Work Hours Affect First Time Success on the Pediatric Certification Exam?** Charles F. Potter, Reed Williams, Nicole Roberts. (Sponsored by Michael Parker Sherman) *Publication 7904.4*
- 85* **The Effects of Resident Work Hour Restrictions on the Attending Physician.** Tara R. Lang, Deborah J. Lightner, Karen L. Ytterberg. *Publication 7904.5*
- 86* **Pediatric Residency Program Directors' Experiences with Work Hour Limitations.** Robert J. Fortuna, Judith S. Palfrey, Steven P. Shelov, Ronald C. Samuels. *Publication 7904.6*
- 87 **Teaching Rheumatology Fellows Communication and Teaching Skills: A Pilot Program.** Patience H. White, Karen L. Lewis, Benjamin J. Blatt, Larrie Greenberg. *Publication 7904.7*
- 88 **Impact of Physician Assistant Residents in the NICU.** Eric W. Reynolds, J.T. Bricker. (Sponsored by Henrietta S. Bada) *Publication 7904.8*

7905 Resident Communication Skills

- 89 **Questions Asked and Answers Located: What Really Happens On-Call after Sign-Out.** Linda A. Waggoner-Fountain, Brittany A. Tomney, Justin M. DeVoge, Ellen J. Bass, Stephen M. Borowitz. *Publication 7905.1*
- 90 **Interruptions during Sign-Out.** Stephen M. Borowitz, Brittany A. Tomney, Linda A. Waggoner-Fountain, Justin M. DeVoge, Ellen J. Bass. *Publication 7905.2*
- 91 **Characterization of an Ideal Sign-Out: Definition, Content, and Process.** Stephen M. Borowitz, Linda A. Waggoner-Fountain, Ellen J. Bass, Justin M. DeVoge. *Publication 7905.3*
- 92* **Improving Inpatient Hand-Offs: Resident Contributions to Quality Improvement and Safety.** Jennifer S. Linebarger, Sara E.H. Horstmann, Constance D. Baldwin, J. Peter Harris. *Publication 7905.4*
- 93* **REACHING for Effective Resident-Nurse Communication: A Qualitative Study.** Najah S. Musacchio, Alexandra A. Ryan, Joel E. Frader. *Publication 7905.5*
- 94 **Teaching and Assessing Communication Skills with Residents: A Workable Model.** Larrie Greenberg, Benjamin J. Blatt, James Leiphart, Karen Lewis. *Publication 7905.6*
- 95* **How To Improve the Quality of the Pediatric Morning Report.** Natasja Dors, Peter Moons, Jacqueline Busstraan, A.J. de Beaufort. (Sponsored by Franciskus J. Walther)*Publication 7905.7*

7906 Assessment of Residents

- 96* **Is Perception a Reality? 360° Perception Survey vs. Direct Observation of Resident Resuscitation Skills.** Sigrid Payne DaVeiga, Christine Malloy, Maryanne Halligan, Nancy D. Spector, Sharon Calaman. *Publication 7906.1*
- 97 **Systems Change Improves Return Rates of Faculty Teaching Evaluations.** Sharon L. Busey, Timothy R. Schum. *Publication 7906.2*
- 98 **A Systematic Approach for Assessing the Frequency and Quality of Informal Feedback Residents Receive from Faculty.** Michael R. FitzGerald, Corinne Lehmann. (Sponsored by Todd F. Glass)*Publication 7906.3*
- 99* **360° Evaluation of Resident Mock Code Performance: How Do Nursing and Resident Assessments Compare with Faculty Direct Observation?** Christine A. Malloy, Sigrid Payne Da Veiga, Maryanne Halligan, Nancy D. Spector, Sharon Calaman. *Publication 7906.4*
- 100 **Evaluating the Impact of a Primary Care Pediatric Genetics Rotation with OSCEs.** Lisa Altshuler, Elizabeth Kachur, Deborah Sullivan, Shifra Krishprun, Julianne Harrison, Gabriel Kupchik, Henry Schaeffer. *Publication 7906.5*

- 101 **Teaching How To Address Unprofessional Behaviors in Peers with the Help of OSCEs.** Lita Aeder, Akila Venkatramen, Erik Langenau, Elizabeth Kachur, Lisa Altschuler. (Sponsored by Erik Langenau)*Publication 7906.6*
- 102 **Temporal Differences in OSCE Performance by Pediatric Residents.** Rainer Gedeit, Robert Treat, Jennifer McKanry, Karen Marcante. *Publication 7906.7*
- 103 **Structured Clinical Observations: Feedback on the 360-Degree Evaluation in a Pediatric Resident Continuity Clinic.** Karen P. Zimmer, Barry S. Solomon, George K. Siberry, Janet R. Serwint. *Publication 7906.8*
- 104 **Practice What You Preach: Relationship of Checklists, Global Ratings of Core Competencies (Expert and Communicator) and Assessor in an Objective Structured Clinical Examination (OSCE) for Neonatal-Perinatal Trainees.** Brian Simmons, Ann Jefferies, Jodi McIlroy. (Sponsored by Robert Peter Jankov)*Publication 7906.9*

7907 Resident Procedures & Simulations

- 105* **Aiming for Competency-Based Education: A Prospective Study of a Pediatric Procedural Skills Curriculum.** Shaine A. Morris, Michael G. Gaies, Dionne A. Graham, Miren Creixell, Henry H. Bernstein, Thomas J. Sandora. *Publication 7907.1*
- 106 **Video Assisted Endotracheal Intubation: Role in Teaching and Acquiring Skills in Era of Decreasing DR and NICU Time during Residency Training.** Andre Vanderhal, George Berci, Charles F. Simmons. *Publication 7907.2*
- 107 **High Fidelity Simulation in Teaching Neonatal Resuscitation.** Michael Farrugia, Michael Sgro, Tony Barozzino, Douglas M. Campbell. (Sponsored by Vibhuti Shah) *Publication 7907.3*
- 108 **Teaching Circumcision to Pediatric Residents.** Elizabeth A. Simpson, Sharon Wilkerson, Kenneth Wible, J. Patrick Murphy, Catherine Pribyl. *Publication 7907.4*
- 109* **Pediatric Residents' Ability To Perform a Lumbar Puncture: Evaluation of an Educational Intervention.** Brendan J. Kilbane, Mark D. Adler, Jennifer L. Trainor. *Publication 7907.5*
- 110 **Impact of Human Patient Simulators on Pediatric Resuscitation Training.** Brian Coleman, Jennifer Reid, Daniel Rubens, Tellen Bennett, Do Peterson, Linda Quan. *Publication 7907.6*
- 111 **Senior Residents' 1-Year Follow-Up Evaluation of a Reflective Practice Workshop Devoted to "Delivering Bad News".** Jan E. Drutz, Ernest Fruge, Marc E. Horowitz. *Publication 7907.7*
- 112 **An Intern Procedure Retreat for Teaching Basic Procedural Skills to Pediatric Residents.** William R. Graessle, Shonola DaSilva, Sandra Nairn, Gary Stahl. *Publication 7907.8*

7908 Residency Curriculum

- 113 **Pediatric Outpatient Prescription Audit and Feedback in a Residency Training Program.** Terry C. Wall, Diedra B. Schmidt, April Higdon, James M. Hardin. *Publication 7908.1*
- 114 **An Assessment of the Training Needs for Residents in Professionalism.** Steve Paik, Colleen Gillespie, Regina Richter, Joshua Lee, Melanie Jay, Sondra Zabar, Adina Kalet. *Publication 7908.2*
- 115 **Education in Neonatal Oxygenation Has Been Insufficient: A Need for Darning.** Augusto Sola. *Publication 7908.3*
- 116 **Impact of a Case-Centered Curriculum in Pediatric Ambulatory Care on Residents' Satisfaction, Participation, and Confidence.** Jaideep S. Talwalkar, Ada M. Fenick. *Publication 7908.4*
- 117 **How Well Does the Unstructured Curriculum of a Case-Based Pediatric Digital Library Meet National Curricular Content Standards?** Donna M. D'Alessandro, Michael P. D'Alessandro. *Publication 7908.5*
- 118 **Oral Health Knowledge and Its Application by Residents and Preceptors in a Large Academic Practice.** W. Risko, A. Getzin, R. Webster, N. Huntington, I. Chase, B. Grove, M. Ng. *Publication 7908.6*
- 119 **Residency Education on Pediatric Emergency Transport: A Longitudinal Comparison of 2 National Surveys.** Angelo P. Giardino, Xuan G. Tran. *Publication 7908.7*
- 120 **Do Faculty and Residents Differ in Confidence and Practice of Breastfeeding Care?** Lori B. Feldman-Winter, Lauren F. Kotch, Barry Milcarek. *Publication 7908.8*
- 121 **Integrating Scholarly Activity into Residency Training: Assessing an Enhancement Program.** Echezona E. Ezeanolue, Cynthia Schenauer, Jack Lazerson, Humberto Restrepo, David Gremse. *Publication 7908.9*
- 122 **A "Coping with Patient Death" Annual Retreat for Second Year Pediatric Residents.** John Gordon, Anne Harvieux, Steven Leuthner, David Margolis, Lois Pearson, Jay Nocton. *Publication 7908.10*
- 123 **Project TEAM: A Children and Youth with Special Health Care Needs (CYSHCN) Training Program for Pediatric Residents.** Anne Juhlmann, Yvonne Anderson, Jay Nocton, Fred Klingbeil, John Gordon. *Publication 7908.11*
- 124 **Training in Difficult Conversations: A National Survey of Pediatric Hematology-Oncology and Pediatric Critical Care Physicians.** Leslie S. Kersun, Lin Gyi, Wynne E. Morrison. *Publication 7908.12*
- 124A **Competency Goals of Incoming Pediatric Residents.** Laura Dattner, Lawrence Fordjour, Stephen Wadowski. *Publication 7908.12A*
- 125 **A Mock Code Curriculum To Prepare Students for Pediatric Residency.** Renuka Mehta, Lisa E. Leggio, Lyle E. Fisher, Jr. *Publication 7908.13*

- 126 **Breaking Tradition – A Non-Traditional Approach for Morbidity and Mortality Conference: Experience in a Pediatric Cardiology Section.** Antonio R. Mott, Carol A. Miller, Brady S. Moffett, Steven R. Neish. (Sponsored by Jeffrey Towbin)
Publication 7908.14
- 127* **Effect of Training on Comfort, Knowledge, Skill and Frequency of Interpreter Use among Pediatric Residents Caring for Limited English Proficiency (LEP) Patients in Ambulatory Settings.** Phyllis A. Nsiah-Kumi, Tara S. Williams, Ronald J. Magliola, Rupesh Raina.
Publication 7908.15
- 128 **Medical Home Education Improves Residents' Perceived Skills in Community Pediatrics.** Nancy Swigonski, Mary Ciccarelli, Phil Siefken, Dawn Haut, Donna Olsen.
Publication 7908.16
- 129 **Using “The Model for Improvement” To Achieve the ACGME Competencies of Practice Based Learning and Systems Based Practice.** Mariellen M. Lane, Daniel Hyman, Elizabeth Wedemeyer.
Publication 7908.17
- 130 **Evaluation of a Global Health Training Program for Pediatric Residents.** Barbara Oettgen, Srinivasan Suresh, Deepak Kamat.
Publication 7908.18
- 130A **Cultural Competence Teaching in US Pediatric Clerkships in 2006.** Angela P. Mihalic, Alison E. Dobbie, Scott Kinkade.
Publication 7908.18A
- 131* **Biological and Chemical Terrorism in Children – A Knowledge Assessment.** Erik P. Schobitz, James M. Schmidt, Michael P. Poirier.
Publication 7908.19
- 132 **Use of Learning Portfolios To Enhance Faculty Teaching.** Karen J. Marcdante, Ishrat Siddique, Suzanne Brixey, Tarik Walker, Kirsten Kirshner, Simpson Deborah.
Publication 7908.20
- 133* **Resident Training in Neonatal Medicine: A Survey of Neonatal Program Directors.** Lakshmi I. Katakam, Michael Cotten, David Tanaka, Ronald N. Goldberg.
Publication 7908.21
- 134* **Care Mobile Miles for Healthy Smiles: An Oral Health Outreach and Training Curriculum for Pediatric Residents.** Maja Marinkovic, Hilma Benjamin, Sara Rippe, Rani S. Gereige.
Publication 7908.22
- 135 **Graduating Resident Reflections on a Longitudinal Community Pediatric Experience.** Richard J. Pan, Debora A. Paterniti, Camille S. Cipri, Elizabeth Sterba, Daniel C. West.
Publication 7908.23
- 136* **Case-Based Workshops on Immigrant Health: Raising Awareness and Increasing Knowledge.** Scott Pilgrim, Julianne Harrison, Hesham Kamel, Erik Langenau, Lisa Altshuler, Elizabeth Kachur, Henry Schaeffer.
Publication 7908.24
- 137 **Most Resident Teaching Occurs in the Context of Patient Encounters.** Deirdre A. Caplin, Wendy L. Hobson, Jaime D. Bruse, James F. Bale.
Publication 7908.25
- 137A* **Pediatric Emergency Medicine (PEM) Curriculum Development in Lao PDR: A Needs Assessment.** Katharine L. Smart, Kelly R. Millar.
Publication 7908.25A
- 138 **An Innovative Model for the PBLI Competency in a Pediatric Residency.** Barbara A. Kelly, Alexis S. Lieberman, Alan M. Schindler, Anna Marie Carr. (Sponsored by Alan M. Schindler)
Publication 7908.26
- 139 **Pediatric Residents and International Child Health – The Program Directors Speak out.** Srinivasan Suresh, A. Barbara Oettgen, Deepak Kamat.
Publication 7908.27

Emergency Medicine

7909 Emergency Medicine

- 140 **“My Patient Does Not Have To Wait” – The 29-Minute Initiative.** Srinivasan Suresh, Stephen Knazik. (Sponsored by Deepak Kamat)
Publication 7909.1
- 141* **Performance of a Rapid Diagnostic Assay (Binax NOW® RSV) for Respiratory Syncytial Virus (RSV) over 3 Winter Seasons†.** Andrea T. Cruz, Andreea C. Cazacu, Jewel M. Greer, Gail J. Demmler.
Publication 7909.2
- 142* **Quality of Care of Children in the Emergency Department: Association with Hospital Setting and Physician Training.** Madan Dharmar, James P. Marcin, Nathan Kuppermann, Emily R. Andrada, Frank Overly, Jonathan H. Valente, Danielle J. Harvey, Patrick S. Romano.
Publication 7909.3
- 143* **Impact of Pediatric Telemedicine Consultations on Diagnostic and Therapeutic Advice, and Parent Satisfaction.** Madan Dharmar, James P. Marcin, Stacey L. Cole, Patrick S. Romano.
Publication 7909.4
- 144 **Child and Parent Satisfaction with the Use of Spacer Devices in Acute Asthma in a Canadian Pediatric Emergency Department.** Martin H. Osmond, Abdullah Alawwad, Rhonda Correll, Ken Farion, Nick Barrowman, Elizabeth Cotterell. (Sponsored by Amy Plint)
Publication 7909.5
- 145 **An Assessment of Knowledge and Beliefs of Pediatric Emergency Nurses in the Use of Metered-Dose Inhaler and Spacer (MDI+S) for the Treatment of Acute Asthma before and 12 Months after a Practice Change.** Martin H. Osmond, Dale Dalgleish, Kathryn Lawson, Tracy MacDonald, Tammy Clifford, Isabelle Gaboury, Carrol Pitters. (Sponsored by Amy Plint)
Publication 7909.6
- 146* **Cost-Effectiveness of Automatic External Defibrillators in High Schools.** Jennifer R. Reid, Linda Quan, David Veenstra.
Publication 7909.7

- 147* **Increased Serum Biomarker Concentrations after Mild Traumatic Brain Injury Are Not Associated with Clinical Variables, Abnormalities on Brain Imaging or Outcome.** D. Wiesman, S. Beers, F. Boada, M. Donnelly, P.D. Adelson, R. Berger. *Publication 7909.8*
- 148* **Factors Associated with Increased Distress in Children during Painful Procedures in the Emergency Department.** Renee M. Zimmerman, Amy L. Drendel, Michael K. Kim. *Publication 7909.9*
- 149 **Pediatric Myocarditis: Clinical Presentation and Emergency Department Diagnostic Evaluation.** Stephen B. Freedman, J. Kimberly Haladyn, Alejandro Floh, Joel A. Kirsh, Glenn Taylor, Jennifer D. Thull-Freedman. *Publication 7909.10*
- 150 **Well Appearing Young Infant with Fever without Source in the Emergency Department: Should Lumbar Puncture Be Systematically Performed?** Santiago Mintegi, Javier Benito, Eider Astobiza, Susana Capape, Borja Gomez, Andere Eguireun. *Publication 7909.11*
- 150A **(Moved from Poster Session IV, Tuesday, Poster 137) Is Shock Index Predictive of Trauma Team Activation and Severity of Injury in a Pediatric Population?.** Camilo Gutierrez, Kathryn Nuss, John Hayes. *Publication 8412.12*

APA Ludwig-Seidel Award

Darshan D. Patel

- 151* **The Utility of Bedside Ultrasonography in Identifying Fractures and Guiding Fracture Reduction in Children.** Darshan D. Patel, Stephen M. Blumberg, Ellen F. Crain. *Publication 7909.12*
- 152* **Utility of Pulse Oximetry as a Standard Fifth Vital Sign.** Malini R. Patel, Michael A. Mojica, Parag Parikh, Dorothy Yang, Daniel A. Rauch. *Publication 7909.13*
- 153* **Bedside Ultrasound in Pediatric Emergency Medicine Fellowships in the United States: Little Formal Training.** Daniela Ramirez Schrempp, Irene Tien, Andrew Liteplo. (Sponsored by Howard Bauchner) *Publication 7909.14*
- 154* **A Transport Needs Assessment Tool.** Theresa A. Walls, James Chamberlain. *Publication 7909.15*
- 155 **The Effectiveness of a Nurse-Initiated Pathway on Emergency Department (ED) Response Times for Patients with Inborn Errors of Metabolism.** Dina J. Zand, Kathleen M. Brown, Uta Lichter-Konecki, Stephen J. Teach, Elaine Lamb, Joyce K. Campbell, James M. Chamberlain, Cynthia J. Tift. *Publication 7909.16*
- 156* **Assessing Barriers to Emergency Contraception (EC) Prescription for Adolescents in the Emergency Department (ED).** Monika Goyal, Cynthia Mollen. *Publication 7909.17*
- 157* **The Association between Skin Testing in the Pediatric Emergency Department and Adherence to Follow-Up among Children with Asthma.** Catherine A. Scarfi, Sandra J. Cunningham, Andrew Wiznia, Denise Serebrisky, Ellen F. Crain. *Publication 7909.18*
- 157A* **Does Parental Involvement in Pediatric Emergency Department Asthma Treatment Affect Home Management?.** Ambrin Hussain-Rizvi, Sergey Kunkov, Ada Aponte, Robert Acosta, Ellen Crain. *Publication 7909.18A*
- 158* **A Clinical Trial of Emergency Department-Based Booster Seat Education.** Lisa A. Uherick, Marc H. Gorelick, Robert Biechler, Marlene D. Melzer Lange. *Publication 7909.19*
- 159* **Caregiver Responses to Pain in Their Children in the Emergency Department.** Ryan W. Smith, Vibhuti Shah, Ran D. Goldman, Anna Taddio. *Publication 7909.20*
- 160* **The Impact of Pediatric Mental Disorders on Length of Stay in US Emergency Departments.** Sarah D. Case, Brady G. Case, Mark Olfson, James G. Linakis. *Publication 7909.21*
- 161 **Disaster Drill Documentation and Management: How Well Are We Really Doing?** Ilene A. Claudius, Shana Ballow, Soloman Behar, Robin Wood, Kathleen Stevenson, Jeffery Upperman. *Publication 7909.22*
- 162* **Stage-of-Change Assessment in Pediatric Emergency Department Patients with Unrecognized Mental Illness.** Patrick M. Jones, Jacqueline Grupp-Phelan, Kansie Drummond, Sergio Delgado. *Publication 7909.23*
- 163 **Clinical and Laboratory Assessment of Dehydration Severity in the Emergency Department: Diagnostic Test Properties.** Patricia C. Parkin, Colin Macarthur, Amina Khambalia, Ran D. Goldman, Jeremy N. Friedman. *Publication 7909.24*
- 164 **Cost Effectiveness Analysis of Local Anesthetic Agents during Peripheral Intravenous Canulation in the Pediatric Emergency Department.** Jay Pershad, Stephanie Steinberg, Teresa Waters. *Publication 7909.25*
- 165 **A Decade of Change in Pediatric Emergency Department Utilization.** Melissa S. Stockwell, Sally E. Findley, Matilde Irigoyen. *Publication 7909.26*
- 166 **Optimal Needle Angle for Lumbar Puncture in Infants and Children as Determined by Bedside Ultrasound.** Lei Chen, Rebecca Bruccoleri. *Publication 7909.27*
- 167* **Knowledge, Practice and Attitudes Regarding NOCSAE Helmet Standard among High School Lacrosse Coaches.** Joseph A. Grubenhoff, Katherine D. Emery, Lalit Bajaj. *Publication 7909.28*
- 168* **Clinical Features Associated with Idiopathic Hypertrophic Pyloric Stenosis (IHPS).** John M. Howard, John M. Loiselle, Magdy W. Attia. *Publication 7909.29*
- 169* **Magnetic Resonance Assessment of Regional Cerebral Blood Flow and Blood-Brain Barrier Permeability after Asphyxial Cardiac Arrest in Immature Rats.** Mioara D. Manole, L.M. Foley, H. Alexander, T.K. Hitchens, R.W. Hickey, P.M. Kochanek, R.S.B. Clark. *Publication 7909.30*

- 170 **Vulnerability of Disadvantaged Areas to Indirect Health Effects of Disasters.** Robert K. Kanter, John R. Moran, Joseph P. Resti. *Publication 7909.32*
- 171* **Does Ethnicity Affect Pediatric Asthma Admissions?** Whitney Young, Todd Lyons, Georgine S. Burke, Christopher L. Carroll, James F. Wiley, Sharon R. Smith. *Publication 7909.33*

Cardiology

7910 Myocardial Biology & Disease

- 172 **Both β 1 and β 2-Adrenergic Receptors (β -ARS) Are Required for Pressure-Overload Hypertrophy.** Mingming Zhao, Giovanni Fajardo, Takashi Urashima, Sara Farahani, Brian Kobilka, Daniel Bernstein. *Publication 7910.1*
- 173 **β -Adrenergic Receptor (β -AR) Subtypes Mediate a Temporal Switch between Cardiotoxic and Cardioprotective Signaling in Doxorubicin Cardiomyopathy (CM).** Giovanni Fajardo, Mingming Zhao, Takashi Urashima, Brian Kobilka, Daniel Bernstein. *Publication 7910.2*
- 174 **Measuring Systolic Velocity Index Using Mean and Systolic Blood Pressure—Simple, yet Accurate?** Sanjeev Aggarwal, Michael D. Pettersen, Thomas L'Ecuyer. *Publication 7910.3*
- 175* **Inhibition of Macrophage Migration Inhibitory Factor Attenuates Its Effect on Cardiomyocyte Apoptosis.** Preeta Dhanantwari, Devyani Chowdhury, Y. Al-Abed, E. Miller, Kaie Ojamaa. (Sponsored by Andrew Blaufox) *Publication 7910.4*
- 176* **Evaluation of LV Function and Dyssynchrony in Murine Models of Cardiomyopathy Using Tissue Doppler Imaging.** Takashi Urashima, Mingming Zhao, Giovanni Fajardo, Sara Farahani, Daniel Bernstein. *Publication 7910.5*
- 177* **Role of Mitogen Activated Protein Kinase Phosphatase-1 (MKP-1) in Endotoxin-Induced Cardiac Dysfunction.** Wendy A. Luce, Hong Huang, Reshma Baliga, Peter J. Giannone, Yusen Liu, John Anthony Bauer. *Publication 7910.6*
- 178 **Insulin Decreases AMPK Phosphorylation in Cardiac Muscle In Vivo.** Weihua Shen, Weinian Shou, Edward A. Liechty. *Publication 7910.7*
- 179* **Diastolic Dysfunction in Anthracycline-Treated Children.** Ashraf Harahsheh, Sanjeev Aggarwal, Michael Pettersen, Mark Zilberman, Wei Du, Thomas L'Ecuyer. *Publication 7910.8*

7911 Cardiac Development & Vascular Biology

- SPR Student Research Award Recipient
Raphael S. Garcia-Cortez
- 180* **Growth Signaling Pathways in the Developing Human Heart.** Rafael S. Garcia-Cortes, Juan C. Osorio, Sushma Reddy, Katharine O'Connell, Paula Castano, Julie Glickstein, Harshwardhan Thaker, Darrell Yamashiro, Anne Davis, Seema Mital. *Publication 7911.1*
- SPR Student Research Award Recipient
Raphael S. Garcia-Cortez
- 181* **Vascular Endothelial Growth Factor Signaling in Hypoplastic Left Heart Syndrome.** Rafael S. Garcia-Cortes, Juan C. Osorio, Sushma Reddy, George Cusman, Harshwardhan Thaker, Sam A. Matthews, Jonathan M. Chen, Jan M. Quaegebeur, Ralph S. Mosca, Seema Mital. *Publication 7911.2*
- 182* **Sildenafil Mediated Angiogenesis Leads to Cardioprotection in Rat Myocardial Ischemia Reperfusion Model: Role of VEGF-1 and Ang-1 System.** Ramesh Vidavalur, Suresh Varma Penumathsa, Srikanth Koneru, Mahesh Thirunavukkarasu, Nilanjana Maulik. (Sponsored by Naveed Hussain) *Publication 7911.3*
- 183 **HB-EGF Promotes P38 MAPK-Dependent Endothelial Cell Migration and Angiogenesis without Stimulation of Proliferation.** Veela B. Mehta, Gail E. Besner. *Publication 7911.4*
- 184 **Effect of Inhaled PGE1 on the Swine Ductus Arteriosus.** Beena G. Sood, Joellyn Gurczynski, Kavitha Chintala. *Publication 7911.5*
- 185 **Aldosterone Modulates Cell Proliferation and Apoptosis in the Neonatal Rat Heart.** Gi Young Jang, Hyung Joo Sohn, In Sun Bae, Hyung Eun Yim, Kee Hwan Yoo, Jung Hwa Lee, Chang Sung Son, Joo Won Lee. *Publication 7911.6*
- 186* **Mechanisms Regulating Blood Pressure in Conscious Newborn Sheep: Arginine Vasopressin and Metabolic Clearance Rate (MCRAVP).** Darryl C. Miao, Sithembiso Velaphi, Timothy Roy, Charles R. Rosenfeld. *Publication 7911.7*
- 187* **Decreased Nitric Oxide (NO) Generation in Lambs with Pulmonary Hypertension and Increased Pulmonary Blood Flow Is Associated with Alterations in NO Synthase Substrate and Co-Factor Levels.** Shruti Sharma, Neetu Sud, Albert C. Grobe, Cynthia Harmon, Jeffrey R. Fineman, Stephen M. Black. *Publication 7911.8*
- 188 **Alterations in the ET-1 Cascade during Postnatal Development in Lambs with Normal and Increased Pulmonary Blood Flow.** Cynthia T. Harmon, Peter E. Oishi, Michael J. Johengen, Anthony Azakie, Stephen M. Black, Jeffrey R. Fineman. *Publication 7911.9*
- 189* **The Incidence of Pulmonary Arterial Hypertension in Infants with Bronchopulmonary Dysplasia.** Ahmed Moussa, Anne Fournier, Christian Lachance, Jean-Luc Bigras, Denis Beube. (Sponsored by Harry Bard) *Publication 7911.10*
- 190* **Tezosantan Increases NOSIII Activity through a Hydrogen Peroxide (H2O2) Mediated Increase in Ser1177 Phosphorylation.** Sanjiv Kumar, Albert C. Grobe, Melisa Bunderson, Peter E. Oishi, Cynthia Harmon, Jeffrey R. Fineman, Stephen M. Black. *Publication 7911.11*

191* **Superoxide-NO Interactions Following Acute Ductal Constriction in the Fetal Lamb.** Jong-Hau Hsu, Cynthia T. Harmon, Peter E. Oishi, Dean M. Wiseman, Michael J. Johengen, Eniko Sajti, Omar Chikovani, Stephen M. Black, Jeffrey R. Fineman. *Publication 7911.12*

192* **Abnormal Systemic Endothelial Function in Children with Single Ventricle Physiology.** Shobha Natarajan, Christian Heiss, David F. Teitel, Jeffrey Fineman, Theresa Tacy. *Publication 7911.13*

7912 Clinical Interventions & Outcomes

193* **Hybrid Intraoperative Pulmonary Artery Stenting during Cardiac Surgery.** Shaji C. Menon, Frank Cetta, Patrick W. O'Leary, Allison K. Cabalka, Joseph A. Dearani, Francisco J. Puga, Donald J. Hagler. *Publication 7912.1*

194* **Pressure-Flow Relationship: Relevance of Glenn Shunt with Right Ventricular Outflow Obstruction.** Joshua Wiesman, Nancy Ross-Ascuitto, Serafin DeLeon, Robert Ascuitto. *Publication 7912.2*

195 **Cardiac Magnetic Resonance Imaging of Pulmonary Artery Growth and Ventricular Function after Norwood Procedure with Sano Modification.** Scott Lim, Benjamin B. Peeler, Paul Matherne, Chris Kramer. *Publication 7912.3*

196 **Hypothermic Circulatory Arrest at 18°C Versus 25°C: Acute Effects on Cerebral and Splanchnic Oxygenation.** Robert DiGeronimo, Stephen Griffith, Megan Steigelman, Jeff McNeil, Patti Dixon, Robert Buchanan, Ryan Coleman, Jorge Salazar. *Publication 7912.4*

197 **Postoperative ECMO: The Literature vs. the ELSO Registry.** Jennifer L. Liedel, Bassem N. Mora, Rebecca A. Nolan, ELSO Registry, Madelyn D. Kahana. *Publication 7912.5*

198 **Postoperative ECMO, CPR and the Norwood.** Jennifer Liedel, Bassem Mora, Rebecca Nolan, ELSO Registry, Madelyn Kahana. *Publication 7912.6*

199 **Pediatric Orthotopic Heart Transplantation in Western Canada.** James Y. Coe, Kim Myera, Bryce Laing, David B. Ross, Ivan Rebeyka, Dennis Modry, Lori West, Umar Boston. (Sponsored by Terry Klassen) *Publication 7912.7*

200* **Somatic Growth in Children with Single Ventricle Physiology: Impact of Physiologic State.** Kelly N. Vogt, Cedric Manlhiot, Jennifer L. Russell, Glen S. Van Arsdell, Brian W. McCrindle. *Publication 7912.8*

201 **Radiofrequency Catheter Ablation of the Slow Atrioventricular Nodal Pathway in Children.** Haw-Kwei Hwang, Grace S. Wolff, Ming-Lon Young. *Publication 7912.9*

202* **Use of Clopidogrel (Plavix®) in a Pediatric Population.** Lily A. Maltz, Kimberlee Gauvreau, Jean A. Connor, Kathy J. Jenkins. *Publication 7912.10*

7913 Epidemiology & Outcomes

203 **The Pediatrician and Pediatric Cardiologist Interface: A Profile of Communication Trends.** Yvonne I. Umeh, Radha R. Cohen, Claudia A. Kozinetz, Steven R. Neish, Antonio R. Mott. (Sponsored by Jeffrey Towbin) *Publication 7913.1*

204 **Parental Understanding of Neonatal Congenital Heart Disease.** Ismee A. Williams, Roxana Shaw, Charles S. Kleinman, Ashwin Prakash, Stephanie M. Levasseur, Julie S. Glickstein. *Publication 7913.2*

205 **Prevalence of Congenital Cardiovascular Disease in School Aged Children: Screening 186,213 Children by Portable Two-Dimensional Echocardiography.** Fong-Lin Chen, Shuping Ge. *Publication 7913.3*

206* **Screening Newborns for Congenital Heart Disease Using Pulse Oximetry: A Meta-Analysis of Prospective Studies.** Betty D. Liu, Ruey-Kang R. Chang, Alex Chen. *Publication 7913.4*

207* **Serial Echocardiography in Preterm Infants May Improve Outcome.** Declan O'Rourke, Afif El Khuffash, Kevin Walsh, Eleanor Molloy. *Publication 7913.5*

208* **MTHFR Mutations in Children with Congenital Heart Disease and Their Mothers.** Gloria N. Leavitt, Lourdes Garcia, Ines Garcia, Sylvia Arce, Jessica Renta, Carmen Cadilla. (Sponsored by Lourdes Garcia) *Publication 7913.6*

209 **High Incidence of QTc Prolongation in Newborns of Mothers Treated with Selective Serotonin Reuptake Inhibitors.** Gal Dubnov-Raz, Gideon Koren, Rami Fogelman, Paul Merlob, Yaron Finkelstein. *Publication 7913.7*

210 **Evaluation of Electrocardiograms Associated with Stimulant Medications.** Ronn E. Tanel, Josephine Elia, Nathan Blum, Jonathan R. Kaltman, Maully J. Shah, Victoria L. Vetter. (Sponsored by Elizabeth Goldmuntz) *Publication 7913.8*

211* **Capnography during Sedation for Pediatric Echocardiography Does Not Identify Patients at Risk for Intervention.** Nadine Choueiter, Lisa Heistein, Melina Coursey, Claudio Ramaciotti, Matthew Lemler. *Publication 7913.9*

Endocrinology (PAS/LWPES)

7914 Puberty

212* **Does Increased BMI Impair Predicted Adult Height in Female Patients Treated with Depot GnRH for Precocious Puberty?** Erin W. Morneau, Holley Allen, Dennis Brenner. *Publication 7914.1*

213 **Characteristics of Adolescents Presenting to a Multidisciplinary Clinic for Polycystic Ovarian Syndrome.** M. Tracy Bekx, David B. Allen, Ellen Connor. *Publication 7914.2*

214* **The Relationship of Plasma Endothelin and Testosterone Levels in Male Hypogonadism.** Rupesh Raina, Moises Auron-Gomez, Aradhna Pandey, Philip Kumanov, Holly B. Perzy, Ashok Agarwal. *Publication 7914.3*

- 215*** **Characteristics of Prolactinomas and Hyperprolactinemia in a Pediatric Endocrine Clinic.** Pallavi Iyer, Ellen V. Jorgensen, Frank B. Diamond, Allen W. Root, Barry B. Bercu, Dorothy I. Shulman. *Publication 7914.4*
- 216*** **Precocious Puberty in Patients with Perinatal HIV Infection.** Christine Burt Solorzano, Pisit Pitukcheewanont, Joseph Church, Mitchell Geffner. *Publication 7914.5*
- 217*** **Unexpected Recovery of Ovarian Function Many Years after Bone Marrow Transplant.** Samar Rahhal, Erica A. Eugster. *Publication 7914.6*
- 218** **Leuprolide Acetate Stimulation Increases Growth Hormone Concentration within 24 h in Girls.** Carol M. Foster, Marie Simard, Mary A. Murray. *Publication 7914.7*
- 219*** **Precocious Pubarche: How To Distinguish Late-Onset Congenital Adrenal Hyperplasia from Premature Adrenarche?** Jean-Baptiste Armengaud, Marie-Laure Charkaluk, Christine Trivin, Gerard Breart, Raja Brauner, Martin Chalumeau. (Sponsored by Alexandre Lapillonne) *Publication 7914.8*
- 220** **Identification of Schools in Chemical Release Hazard Zones in Washington State.** Adeena Khan, Thomas Martin, Nancy Beaudet, Catherine Karr. *Publication 7914.9*
- 221** **Pharmacokinetic Evaluation of Testosterone 1% Gel in Peripubertal Boys.** Alan D. Rogol, Troy L. ZumBrunnen, Gregg A. Pratt, Cecilia McWhirter, John J. Brennan, Hjalmar Lagast. *Publication 7914.10*
- 222** **Pubertal Milestone Attainment in Normal-Weight Girls.** Robert L. Rosenfield, Rebecca B. Lipton, Melinda L. Drum. *Publication 7914.11*
- 223*** **Acute Testosterone Overdose in Two Boys Undergoing Treatment for Constitutional Delayed Puberty: A Case Report.** Mary E. Radley, Karena L. Swan, Susan D. Boulware, Stuart A. Weinzimer. *Publication 7914.12*
- 224*** **Comorbidity of Hypogonadism and Bone Marrow Suppression in Anorexia nervosa.** Nina Jain, Julie Blatt, Karen Loechner. *Publication 7914.13*

7915 Diabetes Mellitus & Metabolism

- 225** **Efficacy and Safety Profile of Inhaled Human Insulin (Exubera®) in Pediatric Patients with Diabetes: Integrated Data from Several Phase 2/3 Studies.** Neil H. White, Teresa Quattrin, Lisa St. Aubin, Julie S. Fryburg, Richard D. England. *Publication 7915.1*
- 226** **National Diabetes Trends among Children and Young Adults: Nationwide Inpatient Sample, 1993-2003.** Joyce M. Lee, Megumi J. Okumura, Gary L. Freed, Ram K. Menon, Matthew M. Davis. *Publication 7915.2*
- 227*** **Oral Glucose Tolerance Test (OGTT) Is a More Sensitive Predictor Than Fasting Glucose for Development of Type 1 Diabetes (T1D).** Natalie Shaw, Ingrid Libman, Kang Sun, Vincent Arena, Dorothy Becker. *Publication 7915.3*
- 228** **Adiponectin in Adolescents with Type 1 Diabetes and Non-Diabetic Controls.** David M. Maahs, R. Paul Wadwa, Franziska Bishop, Sarah Vaughan, Kim McFann, Marian Rewers, Georgeanna J. Klingensmith. *Publication 7915.4*
- 229** **Limitations of Using Diagnostic Codes in a Health System To Classify Type 1 and Type 2 Diabetes in Children and Young Adults.** Tammy Chang, Matthew M. Davis, Joyce M. Lee. *Publication 7915.5*
- 230** **Dominantly Inherited Mutation in SUR1 (ABCC8 Gene) Associated with Congenital Hyperinsulinism and Diabetes Later in Life.** Figen Ugrasbul, Jill Jacobson. *Publication 7915.6*
- 231** **Young Children (<5 Years) with Type 1 Diabetes Mellitus Have Low Rate of Partial Remission.** Sasigarn A. Bowden, Mary M. Duck, Robert P. Hoffman. *Publication 7915.7*
- 232** **A Model for Predicting Type 2 vs. Type 1 Diabetes at Presentation in African American Pediatric Population Based on the Patients of Children's Hospital and Research Center Oakland.** Janelle A. Noble, Jeanah N. Braden, Ginny Gildengorin, Suruchi Bhatia. (Sponsored by Bertram Lubin) *Publication 7915.8*
- 233*** **Factitious Disorder by Proxy (FDP) Involving Surreptitious Administration of Insulin (SAI): Three Distinct Clinical Presentations.** Albert Shaw, Janeth Todd, Bert Bachrach. *Publication 7915.9*
- 234*** **Insulin Dependent Diabetes Mellitus in Two Patients with Shwachman-Diamond-Like Syndrome.** Shipra Patel, Billie M. Moats-Staats, Brent W. Weston, Ali S. Calikoglu. *Publication 7915.10*

7916 Bone & Vitamin D

- 235*** **Decreased Bone Mineral Density (BMD) and Spine Compression Fractures in a Young Adult Male with 21-Hydroxylase Deficiency Congenital Adrenal Hyperplasia (CAH).** Shipra Patel, Karen J. Loechner. *Publication 7916.1*
- 236*** **Vitamin D Deficiency Presenting as Early Neonatal Hypocalcemic Seizures.** Clodagh S. O'Gorman, Etienne Sochett. (Sponsored by Jill Hamilton) *Publication 7916.2*
- 237*** **Bone Density in Children with Hemangiomas Previously Treated with Systemic Glucocorticoids.** Amy J. Nopper, Teresa S. Wright, Ronald Tee, Kimberly A. Horii, Steve Simon, Jadranka Popovic, Uri S. Alon. *Publication 7916.3*
- 238*** **Ischemic Stroke as the Presenting Symptom of Primary Hyperparathyroidism in a 14 Year Old Boy: A Case Report.** Naim Mitre, Kenneth Mack, Dusica Babovic-Vuksanovic, Seema Kumar. *Publication 7916.4*
- 239*** **10-Year Case Review of Nutritional Rickets in Children's Hospital of Michigan.** Judith P. Lazol, Nedim E. Cakan, Deepak M. Kamat. *Publication 7916.5*

- 240*** **Vitamin D Deficiency: Also Prevalent Also among Term Infants and Formula Fed Infants.** Radhika Purushothaman, Bhubanesh Bhatta, Svetlana Ten. *Publication 7916.6*
- 241*** **Pamidronate Treatment of Hypercalcemia Caused by Vitamin D Toxicity.** Manjula Chatterjee, Phyllis W. Speiser. *Publication 7916.7*
- 242** **Impact of Bone Age on Classification of Bone Mineral Density (BMD) Deficits in Pediatric Brain Tumor Patients.** John H. Shelso, Sue C. Kaste, E. Brannon Morris, Nicole A. Thomas, Shesh N. Rai, Evguenia J. Karimova. *Publication 7916.8*
- 243** **Prevalence of Low Bone Mineral Density in a Cohort of Children with Hypovitaminosis D.** Jose E. Perez-Rodriguez, Silvia Balladares, Melissa Muniz, Ana Paredes. *Publication 7916.9*
- 244** **Alendronate Increased Bone Density, Cortical Thickness and Reduced Fracture Frequency.** Lester L. Key, Prema Madyastha, William L. Ries, Bruce Hollis, Frederick Reed. *Publication 7916.10*
- 245** **Low Prevalence of Vitamin D Deficiency among Adolescents with Anorexia Nervosa.** Alexandra L. Haagenen, Henry A. Feldman, Julie Ringelheim, Gordon M. Catherine. *Publication 7916.11*
- 246*** **Are Total Body Bone Mineral Density and Lumbar Vertebral Bone Mineral Density Changes Linked in All Types of Pediatric Osteoporosis?** Kathleen Blake, Maria Henwood, Sasigarn A. Bowden, Larry Binkovits, Mark Nunes, John D. Mahan. *Publication 7916.12*
- 247** **Do Adiponectin and Insulin Predict Bone Density in Anorexia Nervosa and Controls?** Madhusmita Misra, Karen K. Miller, Rajani Prabhakaran, Jennalee Cord, David B. Herzog, Debra K. Katzman, Mark Goldstein, Anne Klibanski. *Publication 7916.13*
- 248** **Vitamin D Deficiency in Healthy Infants and Toddlers: Prevalence and Risk Factors.** Catherine M. Gordon, Henry A. Feldman, Linda Sinclair, Avery L. Williams, Joanne Cox. *Publication 7916.14*

7917 Thyroid

- 249** **Ultrasound-Guided Fine Needle Aspiration of Thyroid Nodules in Children and Adolescents.** Roberto Izquierdo. *Publication 7917.1*
- 250*** **Lethal Respiratory Failure and Mild Primary Hypothyroidism in a Term Girl with a *De Novo* Heterozygous Mutation (I207F) in the TTF1 Gene.** Johnny Deladoey, Luc L. Oligny, Antoine Payot, Sophie Laberge, Jasmine Parma, Gilbert Vassart, Guy Van Vliet. *Publication 7917.2*
- 251** **First Successful Use of Sorafenib To Treat Pediatric Papillary Thyroid Carcinoma (PTC).** Steven G. Waguespack, Michelle D. Williams, Gary L. Clayman, Cynthia E. Herzog. *Publication 7917.3*
- 252*** **Identification of a Rare TSH Receptor Activating Mutation in an Infant Presenting with Persistent Neonatal Thyrotoxicosis.** Mark G. Watkins, Prapai Dejkhamron, Ram K. Menon. *Publication 7917.4*
- 253*** **Thyroid Stimulating Immunoglobulin Is Often Negative in Children with Graves Disease.** Samar Rahhal, Erica A. Eugster. *Publication 7917.5*
- 254*** **Newborn Screen Results in Children with Congenital Central Hypothyroidism.** Michael P. McKenna, Erica A. Eugster. *Publication 7917.6*
- 255** **Clinically Euthyroid Children with Normal Free T4 and Suppressed TSH.** Priya Vaidyanathan, Paul Kaplowitz. *Publication 7917.7*
- 256** **Low-Dose Thyroxine Therapy for Transient Hypothyroxinemia of Prematurity.** Weizhen Xu, Judy Saslow, Ieva Braziuniene, Ernest M. Post. *Publication 7917.8*
- 257*** **Ingestion of Veterinary Thyroxine Resulting in Acute Hyperthyroid Syndrome: A Case Report.** Gwenyth Fischer, Samuel Casella. *Publication 7917.9*
- 258*** **Occult T3 Toxicosis in McCune Albright Syndrome: A Case Report.** Prapai Dejkhamron, Kateryna Kotlyarevska, Nancy J. Hopwood, Ram K. Menon. *Publication 7917.10*
- 259*** **Radioactive Iodine for Hyperthyroidism: Referral Rate and Response to Treatment.** Shana McCormack, Deborah M. Mitchell, Lynne L. Levitsky, Douglas S. Ross, Madhusmita Misra. *Publication 7917.11*
- 260*** **Congenital Nephrotic Syndrome and Persistent Hypothyroidism.** Martina Kacer, Thomas A. Wilson, Dilys A. Whyte, Ivy I. Boydston. (Sponsored by Andrew H. Lane) *Publication 7917.12*
- 261** **(Moved from Poster Session I, Saturday, Poster 240) Changes in Insulin Resistance Markers, Serum Lipids and Body Fat Percentage: Relationship To Change in Body Mass Index in Overweight Children.** Katrinka T. Kip, William N. Evans, Gary A. Mayman, Ruben J. Acherman, Carlos F. Luna, Abraham Rothman, Juan C. Collazos, Joseph Ludwick, Vanessa Wong, Humberto Restrepo. *Publication 5883.6*
- 261A** **(Moved from Poster Session II, Sunday, Poster 316) Association of Subclinical Hypothyroidism with Insulin Resistance Markers in Overweight Children and Adolescents.** William N. Evans, Gary A. Mayman, Ruben J. Acherman, Carlos F. Luna, Abraham Rothman, Annisa Gustafson, Daniella Ferrari, Susan L. Meacham, Humberto Restrepo. *Publication 6304.8*

Nephrology (PAS/ASPEN)

7918 Normal & Abnormal Urogenital Development

- 262*** **Phenotypic Characterization of Candidate Murine Renal Stem Cells.** Gaurav Kapur, William D. Lyman, Eric Van Bueren, Graham C. Parker, William E. Grever, Tej K. Mattoo. *Publication 7918.1*
- 263*** **Effect of AT2 Mediated Angiotensin II Signaling on Metanephric Branching Morphogenesis.** Marie Gessel, Brett Baumgartner, Lani Clough, Demetrius Kourtides, Teri J. Mauch. *Publication 7918.2*
- 264** **Expression of CD44 in Developing Human Kidney.** Giovanna M. Crisi, Gary F. Rockwell, Thomas J. Campfield. *Publication 7918.3*
- 265** **Maternal Diabetes Modulates Renal Morphogenesis in Offspring.** Shao-Ling Zhang, Yun-Wen Chen, Stella Tran, Isabelle Chenier, Julie R. Ingelfinger. *Publication 7918.4*
- 266*** **Uteroplacental Insufficiency Affects Renal Expression of Estrogen Receptors in Intrauterine Growth Restricted Rats.** Nathan L. Thornton, Merica A. Hale, Mariana C. Baserga, Robert H. Lane. *Publication 7918.5*
- 267*** **Effects of Hyperoxia and Permissive Hypercapnia in the Newborn Kidney.** Katarina Supe, Alfin G. Vicencio, Zhongfang Du, David B. Thomas, Robert P. Woroniecki. (Sponsored by Frederick J. Kaskel) *Publication 7918.6*
- 268** **Polar Replication Fork Blockade by the PKD1 Pu•Py Tract.** John J. Bissler, Michael Leffak, Lu Lu, Yurko Kavecansky. *Publication 7918.7*
- 269** **The Role of RecQ in the Mutagenic Potential of the Pu•Py Tract of PKD1.** Bradley P. Dixon, Lu Lu, John J. Bissler. *Publication 7918.8*
- 270** **The Role of 20-HETE on Cellular Proliferation in Autosomal Recessive Polycystic Kidney Disease (ARPKD).** William Sweeney, Frank Park, Deborah Donohoe, Richard J. Roman, Ellis D. Avner. *Publication 7918.9*
- 271*** **Simple Multicystic Dysplastic Kidney (MCDK) Disease: When Can We Safely Discharge Patients?** Adam R. Weinstein, T. Rob Goodman, Sandra Iragorri. *Publication 7918.10*
- 272** **Prevalence of Renal and Urinary Tract Anomalies in Children with Down Syndrome in New York State: Data from the New York State Congenital Malformation Registry.** Juan C. Kupferman, Edward Kulich, Deborah Sullivan, Gabriel S. Kupchik. *Publication 7918.11*
- 273** **Neonatal Kidney and Urinary Tract Anomalies (UTA): A 10 Years Perspective Study in Southern Italy.** Rossella Galiano, Vittoria Pascale, Luigi Cataldi. *Publication 7918.12*
- 274*** **The Use of Inbred Mice To Study Vesico-Ureteric Reflux and Kidney Hypoplasia.** Inga J. Murawski, David B. Myburgh, Rita Maina, Indra R. Gupta. (Sponsored by Paul Goodyer) *Publication 7918.13*
- 275*** **Prevalence of Hydronephrosis: Associated Factors and Procedures.** Valerie M. Panzarino, Sharon Perlman, Jason Salemi, Kimberlea Hauser. *Publication 7918.14*
- 276*** **Health Related Quality of Life in Pediatric Vesicoureteral Reflux Disease: Surgery or Antibiotic Prophylaxis?** Faria Ajamian, Catherine Morgan, Manjula Gowrishankar, Verna Yiu, Darcy Kiddoo, Sentil Senthilselvan, Maury Pinsk. (Sponsored by Terry Klassen) *Publication 7918.15*
- 277*** **Isolated Neonatal Hydronephrosis Is Not Associated with Increased Vesicoureteral Reflux.** Seema Mathew, Ronald Sutsko, Barbara Amendolia, Judy Saslow, Tarek Nakhla, Nicole Kemble, Nosrat Razi, Gary Stahl, Zubair H. Aghai. *Publication 7918.16*
- 278** **Molecular and Proteomic Analysis of Primary Vesicoureteric Reflux (VUR).** Huey-Ju Kuo, Wilson Cheung, Brian Little, John Barry, Steven Skoog, Robert Mak. *Publication 7918.17*

7919 Nephrology

- 279*** **Urinary Aprotinin Predicts Acute Kidney Injury in Pediatric Cardiac Surgery Patients.** Mai T. Nguyen, Gary Ross, Nathan Harris, Catherine Dent, Prasad Devarajan. *Publication 7919.1*
- 280*** **Are Cystatin C and Microalbuminuria Superior Markers for the Early Detection of Renal Sequelae for Nephrectomized Childhood Cancer Survivors?** Karen Mandel, Guido Filler, Nathalie Lepage, Nathalie Cook, Janie Des Rosiers. *Publication 7919.2*
- 281** **Development of Age-Related Renal Echogenicity Index (REI) in Children.** Lawrence R. Shoemaker, Christopher Heine, Barbara Pawley, Ashok B. Raj. *Publication 7919.3*
- 282*** **Early Language Functions in Children with Chronic Kidney Disease.** Phil F. Icard, Peter J. Duquette, Sarah J. Hower, Stephen R. Hooper, Debbie S. Gipson. *Publication 7919.4*
- 283*** **Risk Factors Associated with Progression of Pediatric Chronic Kidney Disease (CKD).** A. Staples, J. Smith, D. Gipson, C. Wong, G. Filler, B. Warady, K. Martz, L. Greenbaum. *Publication 7919.5*
- 284** **Improving Patient Provider Communication in a Pediatric Chronic Disease Population through Work Redesign.** John Fontanesi, Sophia Ruiz, Dina McDonald, Vivian Reznik. *Publication 7919.6*

- 285 **Paricalcitol Attenuates the Progression of Renal Dysfunction, Hypertension and Proteinuria in Experimental Chronic Renal Failure.** Michael Freundlich, Yasmir Quiroz, Janauri Bravo, Jose R. Weisinger, Bernardo Rodriguez-Iturbe. *Publication 7919.7*

SPR Student Research Award Recipient

Kristy VanDervort

- 285A* **Urolithiasis in Pediatric Patients: A Single-Center Study of Incidence, Clinical Presentation, and Outcome.** Jonathan Wiesen, Kristy VanDervoort, Rachel Frank, Suzanne Vento, Virginia Crosby, Manju Chandra, Howard Trachtman. *Publication 7919.7A*

- 286 **Resveratrol Protects Against Methotrexate-Induced Nephrotoxicity in Rats.** Abdullah Sakarcan, Ozer Sehirli, Feriha Ercan, Berrak C. Yegen, Goksel Sener. *Publication 7919.8*

7920 CKiD Study

- 287 **New Creatinine-Based Formulas To Estimate GFR in Children with CKD.** George J. Schwartz, Alvaro Munoz, Michael Schneider, Robert Mak, Frederick Kaskel, Bradley Warady, Susan Furth. *Publication 7920.1*

- 288 **HPLC Validates Enzymatic Creatinine Assay over a Wide Range of Values in Children with CKD.** George J. Schwartz, Tai Kwong, Bryan Erway, Bradley Warady, Vikas R. Dharnidharka, Stanley Hellerstein, Susan Furth, Alvaro Munoz. *Publication 7920.2*

- 289 **C-Reactive Protein and Obesity in Children with Chronic Kidney Disease.** L.A. Greenbaum, C.B. Pierce, F. Kaskel, J.D. Mahan, G.J. Schwartz, A. Munoz, B.A. Warady, S.L. Furth. *Publication 7920.3*

- 290 **Blood Pressure (BP) in Children with Chronic Kidney Disease (CKD): Preliminary Findings from the Chronic Kidney Disease in Children (CKiD) Cohort Study.** J. Flynn, C. Pierce, M. Mitsnefes, S. Cole, R. Parekh, J. Saland, T. Blydt-Hansen, S. Furth, B. Warady. *Publication 7920.4*

- 291 **Baseline Cognitive Functioning of Children with Mild to Moderate Chronic Kidney Disease: Preliminary Findings from the CKiD Project.** S.R. Hooper, A.C. Gerson, R. Butler, D.S. Gipson, M. Lande, S. Shinnar, A. Wentz, H. Chu, S.L. Furth, B. Warady. *Publication 7920.5*

- 292 **Health Related Quality of Life (HRQOL) of Children with Chronic Kidney Disease (CKD): Preliminary Findings from CKiD Cohort Study.** A.C. Gerson, S. Hooper, R. Butler, A. Wentz, S. Mendley, S. Shinnar, J. Ndirangu, B. Warady, S.L. Furth. *Publication 7920.6*

7921 Renal Replacement Therapy

- 293 **Association between Vascular Access Type and Complications: A NAPRTCS Study.** J. Fadrowski, K. Martz, D. Stablein, B. Fivush, S. Furth, A. Neu. *Publication 7921.1*

- 294 **Vascular Access Type and Time to First Kidney Transplant.** J. Fadrowski, W. Hwang, A. Neu, B. Fivush, S. Furth. *Publication 7921.2*

- 295 **Reasons for Use of Vascular Catheter as Hemodialysis Access in Pediatric Patients with ESRD.** J. Fadrowski, W. Hwang, A. Neu, B. Fivush, S. Furth. *Publication 7921.3*

- 296* **Intermediate Outcomes for Pediatric Hemodialysis Patients by Hispanic Subgroup.** M. Atkinson, B. Fivush, A. Neu, D. Frankenfield. *Publication 7921.4*

- 297 **Achievement of Clinical Targets over Time in Pediatric Systemic Lupus Erythematosus (SLE) Patients with End Stage Renal Disease (ESRD) on Hemodialysis (HD).** Sangeeta Sule, Jeffrey Fadrowski, Barbara Fivush, Gregory Gorman, Susan Furth. *Publication 7921.5*

- 298* **Two Decades of Infant Dialysis: The Miami Experience.** Rana Hijazi, Carolyn L. Abitbol, Jayanthi Chandar, Washaree Seeherunvong, Michael Freundlich, Gaston Zilleruelo. *Publication 7921.6*

- 299* **Hemofiltration Circuit Use beyond 72 Hours in Pediatric Continuous Renal Replacement Therapy.** Farah Naseer Ali, Jerome C. Lane. *Publication 7921.7*

- 300 **Health Related Quality of Life (HRQOL) of Children with End Stage Renal Disease (ESRD) on Dialysis.** A.C. Gerson, N. Armstead, A.M. Neu, S. Goldstein, S.L. Furth, B.A. Fivush. *Publication 7921.8*

7922 Renal Transplantation

- 301 **Physician Identified Nonadherence Associated Graft Failure: A Retrospective Cohort Analysis of NAPRTCS Data 1988-2006.** A.C. Gerson, D. Stablein, B.A. Fivush, A.M. Neu. *Publication 7922.1*

- 302* **Two Doses of Daclizumab for Induction of Immunosuppression in Pediatric Renal Transplant Patients.** Amrish Jain, Cheryl Lang, Rudolph P. Valentini, Tej K. Mattoo, Abubakr A. Imam. *Publication 7922.2*

- 303 **Rapid Discontinuation of Corticosteroids in Pediatric Renal Transplantation.** Gina-Marie Barletta, Timothy E. Bunchman. *Publication 7922.3*

- 304 **Rapid Steroid Discontinuation for Renal Transplantation (Tx): A Single Center Experience.** Keith K. Lau, Maha N. Haddad, Richard Perez, Lavjay Butani. *Publication 7922.4*

- 305* **Renal Transplant Surveillance Biopsy Results in Children Receiving Steroid Free Immunosuppression.** Ari Auron, Eugenio Taboada, Brenda Brewer, Leslie Reed, Bradley A. Warady. *Publication 7922.5*

- 306* **Better Linear Growth and Graft Function in Pediatric Kidney Recipients on a Steroid Free Protocol.** Ursula Giesen, Eunice John, G. Testa, J. Oberholzer, H. Sankary, E. Benedetti. *Publication 7922.6*
- 307* **Prednisone-Free Kidney Transplantation Does Not Fully Eliminate Pro-Atherogenic Serum Lipid Profiles.** Amy E. Bobrowski, Richard A. Cohn, Ellen R. Brooks, Craig B. Langman. *Publication 7922.7*
- 307A **(Moved from Poster Session I, Saturday, Poster 497) A Molecular Model of IL1B Transcriptional Inhibition by Human CMV IE2 Protein.** James A. Listman, JoAnne E. Race, Sebnem Unlu, Philip E. Auron. (Sponsored by Thomas R. Welch) *Publication 5908.8*
- 308* **Urinary TGF-beta1 (TGFb1) as a Marker of Renal Allograft Function Impairment during the Early Post-Transplant Period.** Katarina Supe, Raquel Tapia, Maria Coco, Daniel Glicklich, Marcela Del Rio, Susan M. Hailpern, Robert P. Woroniecki. (Sponsored by Frederick J. Kaskel) *Publication 7922.8*
- 309 **Anti-Viral Prophylaxis Delays Onset of Subclinical Viral Infection in Pediatric Renal Transplant Recipients.** Jodi Smith, Larry Corey, Sunil Modi, Connie Davis, Patrick Healey, Ruth McDonald. *Publication 7922.9*
- 310* **In Silico Models of Prediction of BK Virus Encoded microRNAs and Their Target Genes.** Shubham Gupta, Joshua J. Hill, Chandra S. Ishwad, Ivan Martinez, Amy Gardiner, Saleem Khan, Abhay N. Vats. *Publication 7922.10*

Neonatal Fetal Nutrition Metabolism

7923 Intravenous Nutrition

- 311* **NICU Best Practice – Recommended vs. Reality: Analysis of a 2006 Neonatal Nutrition Survey.** Deborah M. Hans, Mary Pylipow, Michael K. Georgieff, Patti J. Thureen. *Publication 7923.1*
- 312* **Early Parenteral Nutrition (PN) Use in the Neonatal Intensive Care Unit (NICU) Improves Preterm Infant (<1500 Grams) Growth and Outcome.** Christina J. Valentine, John Hayes, Patty Lore, Teresa Puthoff, Marsha Dumm, Amy Jones, Kristin Halladay, Jennifer Curtiss, Karen Hutson, Karen Clark, Stephen E. Welty. *Publication 7923.2*
- 313 **Comparison of Two Epochs Following a New Protocol for Early Intravenous Amino Acids in the ELBW Infant.** Paula G. Radmacher, Jeffrey M. Meyer, Matthew D. Adamkin, David H. Adamkin. *Publication 7923.3*
- 314 **Elevated BUN in ELBW Neonates Receiving Early TPN.** Paula G. Radmacher, Salisa L. Lewis, Jeffrey M. Meyer, Matthew D. Adamkin, David H. Adamkin. *Publication 7923.4*
- 315* **The Effects of a Revised Total Parenteral Nutrition Strategy on Neonatal Outcomes.** Dalbir Singh, Pradeep Mally, Karen Hendricks-Munoz, Linda Kao, Deborah Machalow. *Publication 7923.5*
- 316* **Effect of Total Parenteral Nutrition Solution (TPN) on Peroxides Load in Preterm Infants: A Randomized Trial.** Mohamed R. Bassiouny, Hala Almarsafawy, Hesham Abdel-Hady, Nehad Nasef, Hany Aly. *Publication 7923.6*
- 317 **Demographic and Nutritional Factors Associated with Prolonged Cholestatic Jaundice in the Premature Infant.** Reese Clark, Margaret Steinbach, Amy Kelleher, Carlos Flores, Robert White, Donald Chace, Alan Spitzer. *Publication 7923.7*
- 318* **Does Parenteral Nutrition Osmolarity Correlate with Peripheral IV Access Lifespan in Newborns?** G. Kaczala, C. Sterrit, V. Lalari, R. Milner, S.G. Albersheim. (Sponsored by Philippe Chessex) *Publication 7923.8*

7924 Body Composition

- 319 **Adverse Neonatal Outcomes of Large for Gestational Age Neonates Associated with Maternal Obesity in a Predominantly African- and Caribbean-American Inner-City Population.** Lawrence K. Fordjour, James Choi, John Kral, Laura Dattner, Gloria Valencia, Magdy El-Hennawy. *Publication 7924.1*
- 320* **Fetal and Newborn Adiposity: Relationship of Fetal Body Fat by 2-D Ultrasound (U/S) to Term Infant Body Fat by Air Displacement Plethysmography (ADP) and Dual Energy X-Ray Absorptiometry (DXA).** A. Edmunds, H. Slater, R. Wilkinson, J. Gower, N. Finlayson, J. Byrne, M. Varner, L. Moyer-Mileur. *Publication 7924.2*
- 321 **Body Fat in Healthy Term Neonates Is Influenced by Ethnicity.** Charles W. Paley, Jacqueline Bauer, Qing He, Dympna Gallagher. *Publication 7924.3*
- 322 **Are Large for Gestational Age (LGA) Newborns at Risk of Becoming Fat Infants?** Sergio de Marini, Winston W.K. Koo. *Publication 7924.4*
- 323* **Newborn Body Composition: Relationship between Measured and Derived Anthropometry with Air Displacement Plethysmography (ADP) and Dual Energy X-Ray Absorptiometry (DXA).** N. Finlinson, A. Edmunds, H. Slater, R. Wilkinson, J. Gower, J. Byrne, M. Varner, L. Moyer-Mileur. *Publication 7924.5*

7925 Enteral Feeding & Growth

- 324* **A Comparison of Growth in Preterm Infants Fed Two Different Types of Infant Formula Protein.** Katherine N. Florendo, Anneliese VanZwol, Bobby Bellflower, Richard J. Cooke. *Publication 7925.1*
- 325 **Low Gastric Epidermal Growth Factor Content Is Associated with Feeding Intolerance in Preterm Infants.** Paivi Luukkainen, Sture Andersson, Henrik Alfthan, Paivi Miettinen. *Publication 7925.2*
- 326* **The Effects of Enteral Protein Type on Feeding Tolerance and Growth Rate in VLBW Infants.** R. Vembenil, M. Dejhalla, S. Ward, M. Mercado, S. Haram, M. Katzenstein, H. Brumberg, E.F. LaGamma, B. Parvez. *Publication 7925.3*

- 327 Post Prandial Plasma Concentrations of Galactose Suggest a Postnatal Ductus Venosus Shunt in Newborns.** Laura D. Brown, Claudio Cavalli, Cristina Traggiai, Cecilia Teng, Jeri F. Harwood, Annachiara Casadei, Giovanni Serra, Giulio Bevilacqua, Frederick C. Battaglia. *Publication 7925.4*
- 328 Inositol Blood Levels in Preterm and Term Neonates.** Dale Phelps, Robert Ward. *Publication 7925.5*
- 329 Early Enteral Feeding in Preterm Infants Improves Postnatal Growth.** Viola Christmann, Marjolein Engelkes, Kian D. Liem. *Publication 7925.6*
- 330 Nt-proCNP: A Novel Marker of Linear Growth in Neonates.** Brian Darlow, Bronwyn Dixon, Timothy Prickett, Christopher Frampton, Timothy Yandle, Eric Espiner. (Sponsored by Neil Finer) *Publication 7925.7*
- 331* Body Mass Index in Central Brooklyn: Relation to Birthweight and Rate of Growth in the 1st Six Months of Life.** Tawana Winkfield-Royster, Leo Amoroso, Steven Todman, Jeremy Weedon, Robert J. Karp. *Publication 7925.8*

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- 332 Body Composition Reference Data for Exclusively Breast-Fed Infants.** Janet M. Gilchrist. (Sponsored by Mary Elizabeth Keown) *Publication 7926.1*
- 333* Variation of Two Trans Fatty Acids in Human Milk over 4 Months Postpartum.** Lisa M. Barbiero, Carol J. Lammi-Keefe. (Sponsored by James Moore) *Publication 7926.2*
- 334* Pasteurized Donor Milk Processing Does Not Alter Fatty Acids and Sterols but Concentrations of Docosaenoic Acid (DHA) Are Low.** Christina J. Valentine, Georgia B. Morrow, Molly Augustine, Stephen E. Welty, Lynette K. Rogers. *Publication 7926.3*
- 336 High Rate of Milk Expression Initiation among Low Income Mothers of VLBW Infants after Lactation Counseling.** Paula M. Sisk, Cheryl A. Lovelady, Robert G. Dillard. (Sponsored by T. Michael O'Shea) *Publication 7926.5*
- 337 Improved Individualized Nutritional Management of Preterm Infants Using a Bedside, Low-Volume Human Milk Analyzer.** Bo Selander, Staffan Polberger. (Sponsored by Vineta Fellman) *Publication 7926.6*
- 338 Maternal Postnatal Depression and Breastfeeding in a Latino Cohort.** Janet M. Wojcicki, Kate Holbrook, Robert H. Lustig, Aaron Caughey, Juan Vargas, Ricardo F. Munoz, Melvin B. Heyman. *Publication 7926.7*
- 339 A Study on Fatty Acid and Trace Mineral Compositions of Korean Preterm Human Milk.** Ellen A. Kim, Sung Hee Jang, Jung Hwa Park, Yang Cha Lee-Kim, Seung Yeon Kim. *Publication 7926.8*
- 340 Quantitation of Colostrum Ingested on the First Day of Life by Exclusively Breast-Fed Healthy Newborn Infants.** Walter Santoro, Jr, Francisco E. Martinez. (Sponsored by Jaques Belik) *Publication 7926.9*
- 342 Total Body Water in Small for Gestational Age Newborns Compared with Normally Grown Newborns.** Maria D.B.B. Meio, Maria E.L. Moreira, Rosely Sichiari, Fernanda V.M. Soares, Andrea D. Abranches. (Sponsored by Cleide Suguihara) *Publication 7926.11*
- 343 The Dynamic Change of Leptin in Infants during Early Postnatal Life: Could It Correlate to Growth and Weight Gain?** Shu C. Mu, I. Cheng, Ling J. Wang, Guey M. Jow, Tsu F. Yeh. *Publication 7926.12*
- 344 The Plasma Leptin Levels and the Birth Weight and Perinatal Risk Factors.** Shih P. Ho, Shu C. Mu, Ling J. Wang, Guey M. Jow, Tsu F. Yeh. *Publication 7926.13*
- 345* Growth of Very Low Birth Weight Infants at 12 Months Corrected Age in Southern Brazil.** Mariana G. Oliveira, Rita C. Silveira, Renato S. Procianny. (Sponsored by Jaques Belik) *Publication 7926.14*

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- 346 Bone Mineral Content in Born Preterm Children at Discharge and at 6 Years of Age.** Beatriz S. Porto, Humberto H. Fiori, Antonio C. Souza, Beatriz N. Lago, Renato M. Fiori. (Sponsored by Jaques Belik) *Publication 7927.1*
- 347* Cord Blood Zinc Protoporphyrin/Heme Ratio in Minorities At-Risk for Iron Deficiency.** Nicole L. Baumann-Blackmore, Pamela J. Kling, Sharon E. Blohowiak, Elizabeth Goetz, Rosanne Clark. *Publication 7927.2*
- 348* Hypercalcemia among Very Low Birth Weight (VLBW) Infants on Full Enteral Nutrition.** Daniel T. Robinson, Richard A. Ehrenkranz, Sharon Arrigoni, Thomas Carpenter, Patrick G. Gallagher. *Publication 7927.3*
- 349 IUGR Premature Neonates and Maternal Iron Overload: Is There a Link?** V. Soubasi, S. Petridou, Ch Tsantali, K. Sarafidis, E. Diamanti, P. Paffeti, G. Buonocore, V. Drossou-Agakidou. (Sponsored by Maria Delivoria-Papadopoulos) *Publication 7927.4*
- 350 Early Iron Supplement Does Not Decrease Vitamin E Levels in Preterm Infant.** Shmuel Arnon, Ita Litmanovits, Sofia Bauer, Rivka Regev, Ruth Shainkin-Kestenbaum, Tzipora Dolfen. *Publication 7927.5*
- 351 Assessment of Vitamin A Nutritional Status in Preterm Newborn Infants.** Angela M. Weinman, Salim M. Jorge, Antonio R. Martins, Jose S. Camelo, Francisco E. Martinez. (Sponsored by Jaques Belik) *Publication 7927.6*
- 352 Long-Term Supplementation of Vitamin E Improves Cognitive Development in Extremely Low Birth Weight Infants at School Age.** Hiroyuki Kitajima, Tadahihiro Kanazawa, Rintaro Mori, Shinya Hirano, Tohru Ogihara, Masanori Fujimura. (Sponsored by Linda Lou Wright) *Publication 7927.7*

- 353* **Urinary Ascorbylperoxide, *In Vivo* Marker of Effects of Photo-Oxidation of TPN.** Francois Cote, Greg Kaczala, Philippe Chessex, Jean-Claude Lavoie. *Publication 7927.8*
- 354* **Plasma Homocysteine Levels and MTHFR-Polymorphisms in Preterm Infants in Two Ethnic Groups.** U. Lindner, T. Gomes, J. Woerner, E. Tutdibi, D. Monz, L. Gortner. *Publication 7927.9*

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- 355 **An Animal Model of Intrauterine Growth Retardation Induced by Synthetic Thromboxane A₂.** Masahiro Hayakawa, Masayuki Hasegawa, Koji Takemoto, Atsushi Nakayama, Yoshiaki Sato, Akiko Saito. *Publication 7928.1*
- 356 **Umbilical Cord Blood and Maternal Plasma Galanin Concentrations in AGA and IUGR Neonates (Pilot Study).** Elisavet Diamanti, Evanthia Stergiou, Vassiliki Zournatzi, Vassiliki Soubasi-Griva, Kosmas Sarafidis, Stella Petridou, Vassiliki Drossou-Agakidou. (Sponsored by Maria Delivoria-Papadopoulos)*Publication 7928.2*
- 357 **Effects of Hypoallergenic Formula Plus Oligosaccharides on Faecal pH, Growth Pattern and Atopia: A RCT Study in Newborn Infants at Risk for Allergy.** Gianluca Lista, Paola Marangione, Filippo Porcelli, Massimo Menchini, Francesca Castoldi. (Sponsored by Carlo Dani) *Publication 7928.3*
- 358* **Insulin Resistance and Inflammation in the Hyperglycemic Neonate.** Christopher Stapley, Kristin Melton, Ikechukwu Ekekezie, William Truog. *Publication 7928.4*
- 359 **The Associations of Leptin and Metabolic Hormones in Infants: A Longitudinal Study in Infancy.** I. Cheng, Shu C. Mu, Ling J. Wang, Jing S. Lee, Guey M. Jow, Tsu F. Yeh. *Publication 7928.5*
- 360* **Serum Steroid Profile in Term Newborn Using Liquid Chromatography/Mass Spectrometry/Mass Spectrometry To Make Normative Standards.** Gen Kuratsuji, Isamu Hokuto, Masayuki Miwa, Hidekazu Homma, Keiko Homma, Kazushige Ikeda, Tomonobu Hasegawa. (Sponsored by Henry T. Akinbi)*Publication 7928.6*
- 361 **Caloric Intake and the Development of Bronchopulmonary Dysplasia in Extremely Low Birth Weight (ELBW) Infants.** Cristina Navarrete, Nelson Claire, Ruth Everett, Shahnaz Duara. *Publication 7928.7*

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7929 Fluid & Electrolytes/Renal

- 362* **Antenatal Steroid Does Not Affect Postnatal Fluid Balance in Very Low Birth Weight (VLBW) Infants during the First Week of Life.** Jeong Eun Kim, Ran Namgung, Eun Na Choi, Ji Hyun Jeon, Dong Woo Lee, Myung Jun Kim, Chul Lee. *Publication 7929.1*
- 363* **Lack of Consensus in the Management of Severe Hyperkalemia in Neonatal Intensive Care Unit.** Fiona M. O' Hare, Eleanor J. Molloy. *Publication 7929.2*
- 364* **Clinical Pattern Recognition in the Diagnosis of Severe Hyperkalemia in Preterm Infants.** Fiona M. O' Hare, Eleanor J. Molloy. *Publication 7929.3*
- 365 **Hypocalcemia Is a Common Occurrence in the First 36 Hours of Life in ELBW Infants.** Khalid Altirkawi, Henry J. Rozycki. *Publication 7929.4*
- 366* **The Use of Bumetanide in Oliguric Acute Renal Failure (ARF) in Preterm Infants.** Milette Oliveros, Ashraf Resheidat, Jennifer Pham, Eunice John, Rama Bhat. *Publication 7929.5*
- 367 **Cystatin C Serum Levels in Healthy Term Newborns along the Neonatal Period.** Ana Carolina A.C.F. Novo, Lilian S.R. Sadeck, Thelma S. Okay, Clea R. Leone. (Sponsored by Ruth Guinsburg)*Publication 7929.6*
- 368 **Brain Natriuretic Peptide Is a Predictor of Chronic Lung Disease in Preterm Infants.** Mayumi Yoshikata, Hitomi Sakai, Tsuyoshi Egawa, Seiji Yoshimoto, Masami Mizobuchi, Hideto Nakao, Hajime Nakamura. (Sponsored by David K. Stevenson) *Publication 7929.7*
- 369* **The Effect of Averaging Time on Oximetry Values in the Premature Infant.** Sally J.M. Ahmed, Wade D. Rich, Neil N. Finer. *Publication 7929.8*
- 370 **Effect of Bicarbonate on Neonatal Serum Ionized Magnesium In-Vivo.** Miguel Glatstein, Francis B. Mimouni, Shaul Dollberg, Dror Mandel. *Publication 7929.9*

7930 Inflammations

- 371* **Hypoxia Induces an Immediate Increase in IL6 in Newborn Piglets, but Has No Effect on TGFβ.** Jannicke H. Andresen, Ronnaug Solberg, Babil Stray Pedersen, Ola D. Saugstad. *Publication 7930.1*
- 372* **Is Chorioamnionitis Associated with Lower Postnatal Blood Pressure in Preterm Infants? A Prospective Study.** Jasper V. Been, Ingrid Rours, Rene F. Kornelisse, Ronald R. de Krijger, Luc J.I. Zimmermann. *Publication 7930.2*
- 373 **Possible Imbalance of Inflammatory Immune Responses in Preterm Infants.** Esther M. Speer, Deborah A. Gentile, Asha Patel, David P. Skoner. (Sponsored by Kwang-sun Lee)*Publication 7930.3*
- 374 **Fetal ETOH Initiates Pro Inflammatory Cytokine Signaling in the Placenta.** Theresa W. Gauthier, Xiao-Du Ping, Frank L. Harris, Lou Ann S. Brown. *Publication 7930.4*

- 375* **The Differential Patterns of 27 Cord Blood Cytokines across Gestational Age.** Nana Matoba, Yunxian Yu, Karen Mestan, Colleen Pearson, Kathrin Ortiz, Barry Zuckerman, Xiaobin Wang. *Publication 7930.5*
- 376* **End Tidal Carbon Monoxide, Malondialdehyde and Proinflammatory Cytokines in Preterm Infants of Preeclamptic Mothers with/without HELLP Syndrome.** H. Torrance, T. Krediet, H. Vreman, G. Visser, F. van Bel. *Publication 7930.6*
- 377* **STAT3 Is a Transcriptional Repressor in Choriocarcinoma-Like Jeg-3 Cell.** Lorry Krous, Nicholas Knowlton, M. Barton Frank, Kaiyu Jiang, Yanmin Chen, Michael Centola, James N. Jarvis. *Publication 7930.7*
- 378 **Differential Brain Tissue Expression of IL-6 and TNF- α in Newborn and Adult Mice after LPS Exposure.** David Sorrentino, Andy Wen, Joel Cooper, Alex Kusnecov. *Publication 7930.8*
- 379 **Differential Associations of 27 Cord Blood Cytokines with Gestational Age and Placental Inflammation.** Karen Mestan, Xunxian Yu, Nana Matoba, Colleen Pearson, Kathrin Ortiz, Barry Zuckerman, Xiaobin Wang. *Publication 7930.9*

7931 Metabolism

- 380 **Intrauterine Growth Restriction Alters Acid Labile Subunit Liver mRNA Transcript Levels and Serum Protein Levels in Rats.** L.A. Joss-Moore, Q. Fu, C.W. Callaway, X. Yu, L.J. Moyer-Mileur, R.H. Lane. *Publication 7931.1*
- 381* **Fatty Acid Ethyl Esters: Biomarkers of Fetal Alcohol Exposure and Effects.** N.J. Alviedo, F. Banadera, E. Ostrea, Jr, D. Bielawski, J. Hannigan, N. Pocesio, E. Ramos, M. Misiasz. *Publication 7931.2*
- 382* **Hypoglycemia Associated Autonomic Failure (HAAF): A Hypothesis on a Molecular Mechanism.** Amrita S. Nayak, Bistra B. Nankova, Eylem Onem, Edmund F. LaGamma. *Publication 7931.3*
- 383 **What Is a Normal Lactate Level for a Preterm Infant?** Geraldine Y.T. Ng, Julian A.J. Raiman, Deena S. Patel, Dougal S. Hargreaves, Jonathon E. Round. (Sponsored by Natalie Yeane) *Publication 7931.4*
- 384* **Soluble fms-Like Tyrosine Kinase 1 and Placental Growth Factor in Premature Neonates of Preeclampsia Mothers.** J.Y. Kim, S.J. Cho, Y.J. Kim, H. Park, E.H. Ha, E.A. Park. (Sponsored by Ran Namgung) *Publication 7931.5*
- 385 **Increases in Lipid Oxidation Products Are Detectable at One Day of Life in Newborn Mice Exposed to Hyperoxia.** Molly S. Augustine, Xiaomei Meng, Stephen E. Welty, Leif D. Nelin, Lynette K. Rogers. *Publication 7931.6*

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- 386* **The Inter-Rater Reliability of Apgar Scores at One and Five Minutes.** LaKeitha R. Foster, Linda Hynan, JoDee M. Anderson. (Sponsored by De-Ann Pillers) *Publication 7932.1*
- 387* **Delivery Room Heart Rate Measurements of Infants Born at 24-28 Weeks Gestation.** Jennifer A. Dawson, C. Omar F. Kamlin, Colm P.F. O'Donnell, Peter G. Davis, Colin J. Morley. (Sponsored by Rod W. Hunt) *Publication 7932.2*
- 388 **Vigorous at Birth: Does It Matter?** Elise Couture, Keith J. Barrington, Annie Janvier. *Publication 7932.3*
- 389 **Facial Movements (Eye Opening and Tongue Thrust) in the Immediate Postnatal Period in Neonates Born by Caesarean Section.** Juliane Hentschel, Ruth Ruff, Frauke Juette, Ludwig Gortner. *Publication 7932.4*
- 390 **Early Versus Delayed Umbilical Cord Clamping in Premature Infants: A Prospective, Randomized, Controlled Study.** Amir Kugelman, Liron Borenstein-Levin, Arieh Riskin, Irena Chistyakov, Gonen Ohel, Ron Gonen, David Bader. (Sponsored by Manuel Durand) *Publication 7932.5*
- 391* **Admission Status of Extremely Low Birth Weight (ELBW) Infants over the Last Five Years.** Amy L. Kimball, Tina A. Leone, Yvonne E. Vaucher, Wade D. Rich, Neil N. Finer. *Publication 7932.6*
- 392* **Neonatal Cardiac Compressions Following Asystole from Asphyxia: Beneficial or Futile?** Chad A. Barber, Damian Garcia, Myra H. Wyckoff. *Publication 7932.7*
- 393* **Optimising Face Mask Ventilation Techniques.** Fiona E. Wood, Colin J. Morley, Jennifer A. Dawson, C. Omar F. Kamlin, Louise Owen, Peter G. Davis. (Sponsored by Rod W. Hunt) *Publication 7932.8*
- 394* **Simulated Neonatal Resuscitation Comparing Two 'Round' Face Mask Designs.** Fiona E. Wood, Colin J. Morley, Jennifer A. Dawson, C. Omar F. Kamlin, Louise Owen, Peter G. Davis. (Sponsored by Rod W. Hunt) *Publication 7932.9*
- 395* **Does Operator Experience Alter T-Piece Resuscitator (Neopuff) Use?** Sabrina McHale, Mathew Thomas, Eoghan Hayden, Karl Bergin, Eleanor J. Molloy. *Publication 7932.10*
- 396* **Does Premedication with Rocuronium Facilitate Successful Endotracheal Intubation in Premature Infants?** Dalia M. Feltman, Marc G. Weiss, Pamela Nicoski, James Sinacore. *Publication 7932.11*
- 397* **Evaluation of a Premedication Algorithm for Non-Emergent Intubation in a Neonatal Intensive Care Unit.** J.W. VanLooy, P. Tran, R.E. Schumacher, V. Bhatt-Mehta. (Sponsored by John Barks) *Publication 7932.12*
- 398* **Neonatal Endotracheal Intubation (ETI) Performance Survey: Impact of a Neonatology Fellowship Program on Resident Training.** Madhavi Sangem, Rose M. Viscardi, Alison J. Falck. (Sponsored by Alison J. Falck) *Publication 7932.13*
- 399 **Short Term Outcome for Infants Born at 23 Weeks Gestational Age (GA) for Whom Resuscitation Was Universally Attempted.** Daniel G. Batton, Tammy L. Swails. *Publication 7932.14*
- 400* **What Factors Influence Whether Neonatologists Attend Deliveries at the Limits of Viability (20-23 wks GA)?** P. Groening, P. Patel, H. Brumberg, L.A. Parton, E.F. LaGamma, M. Zia. *Publication 7932.15*

- 401* **Changes in Attendance at Deliveries by Pediatric Residents 2001-2004.** Christopher J. Rhee, Henry C. Lee, Theodore C. Sectish, Susan R. Hintz. *Publication 7932.16*
- 402* **Higher Cortisol Response to Adrenocorticotrophin (ACTH) Stimulation in Hypoxic Newborn Piglets Resuscitated with 21% Than 100% Oxygen.** Isabelle Chapados, Constance Chik, Po-Yin Cheung. *Publication 7932.17*
- 403* **Expression of Angiostatin and Its Related Factors in the Plasma of Newborn Piglets with Hypoxia and Reoxygenation.** Marwan Emara, Laila Obaid, Scott T. Johnson, David L. Bigam, Po-Yin Cheung. *Publication 7932.18*
- 404* **High Oxygen Concentration by Resuscitation Alters Gene Expression: A Study of Gene Regulation in Newborn Piglets. Hypoxia and Reoxygenation Gives an Early Increase in Heme Oxygenase-1.** Ronnaug Solberg, Jannicke H. Andresen, Vibecke M. Olsen, Marianne Wright, Ola Didrik Saugstad. *Publication 7932.19*
- 405* **Persistent Neurochemical Changes in Neonatal Piglets after Hypoxia-Ischemia and Resuscitation with 100%, 21%, or 18% Oxygen.** Lauren L. Jantzie, Po-Yin Cheung, Bethany Steen, Kathryn G. Todd. *Publication 7932.20*
- 406 **Achievement of Target Oxygen Saturation in Extremely Low Gestational Neonates Resuscitated with Different Oxygen Concentrations: A Prospective Randomized Clinical Trial.** Escrig Raquel, Arruza Luis, Izquierdo Isabel, Villar Gema, Gimeno Ana, Saenz Pilar, Moro Manuel, Vento Maximo. *Publication 7932.21*
- 407 **Comparing the Recovery of Systemic, Pulmonary and Regional Hemodynamics in Hypoxic Newborn Pigs Resuscitated by 18%, 21% or 100% Oxygen.** Yonglie Ma, Scott Johnson, Laila Obaid, David Bigam, Po-Yin Cheung. *Publication 7932.22*
- 408* **Room Air or Oxygen for Resuscitation of Preterm, Very Low Birthweight (VLBW) Neonates.** Casey L. Wang, Tina A. Leone, Wade Rich, Neil N. Finer. *Publication 7932.23*
- 409* **A Practice Plan (PP) to Lower the Initiating FIO2 in the Delivery Room (DR) in Very Low Birth Weight (VLBW) Infants Requiring Respiratory Support (RS) Is Feasible.** Anita Stola, Jeffrey Perlman. *Publication 7932.24*
- 410 **Avoiding Hyperoxemia during Neonatal Resuscitation: Time to Response of Different SpO2 Monitors.** Hernando Baquero, Ramiro Alvarez, Augusto Sola. *Publication 7932.25*
- 411* **Hypothermia during Transport of VLBW Infants Does Not Result in Increased Mortality or Morbidity.** K.K. Ramesh, R. Sherlock, C. Watson, A. Solimano. (Sponsored by Philippe Chessex)*Publication 7932.26*
- 412 **Long-Distance Air Medical Transport of Extremely Low Birth Weight Infants with Pneumoperitoneum.** Ryan M. McAdams, Susan Dotzler, Ginger L. Pole, Jay Kerecman. *Publication 7932.27*

7933 NICU Care: Temperature Control, Cost & Delivery of Care/Procedures

- 413 **Complications of Umbilical Artery Catheterization in the Immature Baboon.** Ryan M. McAdams, Vicki Winter, Don McCurmin, Jackie J. Coalson. *Publication 7933.1*
- 414 **Impact of Outlier Identification and Management Strategies on Measures of Heart Rate Variability.** Kathi J. Kemper, Craig Hamilton. *Publication 7933.2*
- 415* **The Impact of a Quality Improvement Project To Reduce Hypothermia in Premature Newborns.** Quoc T. Ho, Henry C. Lee, William D. Rhine. *Publication 7933.3*
- 416 **Methodologic and Reporting Quality of Cochrane Neonatal Review Group Systematic Reviews.** Khalid M. AlFaleh, Mohammed Al Omran. *Publication 7933.4*
- 417* **The Economic Impact of a Neonatal ECMO Center.** David Pawlik, R. deRegnier, N. Porta, E. Ogata. *Publication 7933.5*
- 418 **Cost Trend of Late Preterm Babies 2000-2005.** Roy Schneiderman, Sharon Kirkby. (Sponsored by Jay S. Greenspan) *Publication 7933.6*
- 419 **Can Infants Be Discharged Home Earlier from the Neonatal Intensive Care Unit (NICU) without Increasing Their Readmission?** Christine H. Sajous, Marianne F. Chybik, Marc G. Weiss. *Publication 7933.7*
- 420 **NICU Needs of the Late Preterm Infant.** Sharon Kirkby, Jay S. Greenspan, Steve Gwiazdowski. *Publication 7933.8*
- 421* **Predicting the Length of the Initial Hospital Stay in Very Preterm Infants.** Emmi Korvenranta, Miika Linna, Unto Hakkinen, Sture Andersson, Mika Gissler, Mikko Hallman, Heikki Korvenranta, Jaana Leipala, Mikko Peltola, Liisi Rautava, Outi Tammela, Liisa Lehtonen. *Publication 7933.9*
- 422 **Effect of Maternal Touch Care on Very Low Birth Weight Infants.** Renato S. Procianoy, Eliane W. Mendes. (Sponsored by Jaques Belik) *Publication 7933.10*
- 423* **Optimal Endotracheal Tube Position in Extremely Premature Babies.** S. Thayyil, P. Nagakumar, H. Gowers, S.T. Kempley, A.K. Sinha. (Sponsored by Nicola Robertson)*Publication 7933.11*
- 424 **A Pilot Randomized Controlled Trial of the Safety of Silver Alginate (Algidex®) Patches in Very Low Birth Weight (VLBW) Infants with Central Lines.** Asif Z. Khattak, Cody Arnold, Tiffany Ngo, Kristina Jones, Craig T. Shoemaker. *Publication 7933.12*
- 425* **Intravenous Locks in Neonates: Heparin Necessary?** Inge J.J. Arnts, Ans J.A. Heijnen, Henriette T.M. Wilbers, Gert-Jan van der Wilt, Kian D. Liem. *Publication 7933.13*
- 426 **Carseat Evaluations for Infants <37 Weeks: Clinical Observations Compared to Memory Monitor Recordings.** Karen Kaestner, Richard Lussky, Raul Cifuentes, Asha J. Siddappa, Greg Stanek, Joni Geppert. *Publication 7933.14*
- 427* **Evaluation of a Non-Invasive Nasal Suction Device in Preterm Infants.** Heidi P. van de Mortel, Astrid Osagiator, Hendrik J. Niemarkt, Peter Andriessen. (Sponsored by Carlos E. Blanco)*Publication 7933.15*

- 428 **A Comparison of Newer Generation Pulse Oximeters for Accuracy and Dropout Rate in Neonatal Intensive Care.** Richard C. Lussky, Raul F. Cifuentes, Karen Kaestner, Greg Stanek, Asha J. Siddappa, Joni S. Geppert. *Publication 7933.16*
- 429 **White Light Spectroscopic Measurement of Skin Vessel Vasomotion (SVV) in Preterm Infants with Intrauterine Growth Retardation (IUGR).** Heike Rabe, Jose R. Fernandez Alvarez, Fiona Lawson, Philip N. Amess, Holger Jungmann. *Publication 7933.17*
- 430 **Blood Pressure in Preterm Neonates with Birth Weight of 500 to 1250 Grams during the First Week of Life: Normative Values, Use of Pressors and Steroids.** Amin Adie, Mahmood Ebrahimi, Lorayne Barton, Bijan Siassi, Rangasamy Ramanathan. *Publication 7933.18*
- 431 **Apnea Monitoring – Are Bedside Cardiorespiratory Monitors Reliable?** Erica Burnell, Sanjiv Amin. *Publication 7933.19*
- 432* **Improved Thermal Control with Polyethylene Bags at Delivery of <28w GA Infants Is Sustainable beyond the Intensive-Surveillance Period.** Rebecca Sherlock, Helen McElroy, Carla Watson, John Smyth, Alfonso Solimano. (Sponsored by Philippe Chessex) *Publication 7933.20*
- 433* **Topical Coconut Oil Application Reduces Trans-Epidermal Water Loss (TEWL) in Very Low Birth Weight (VLBW) Neonates: A Randomized Clinical Trial.** Sushma Nangia, Vinod K. Paul, Deepak Chawla, Ramesh Agarwal, Ashok K. Deorari, V. Sreenivas. (Sponsored by Vinod K. Bhutani)*Publication 7933.21*
- 434 **Using Food-Grade Polythene Bags To Prevent Hypothermia in Preterm Babies – Are They Safe?** Prakash Satodia, Rose Blake, Kathryn I. Blake. (Sponsored by Aideen M. Moore)*Publication 7933.22*
- 435 **Prevalence of Transitional Hypothermia in Newborn Infants on Admission to Newborn Intensive Care Units.** Dilip R. Bhatt, Carlos G. Ramos, Asha N. Parikh, Robert White, Istvan Seri, Rangasamy Ramanathan. *Publication 7933.23*
- 436* **Improved Management and Growth Outcomes by Utilizing Advanced Humidified Incubators in ELBW.** Sung Mi Kim, Edward Y. Lee, Jie Chen, Steven A. Ringer. *Publication 7933.24*
- 437 **A Water-Impermeable Space Suit for Newborn Infants: Time Course of Humidity Developing within the Suit and of Body Temperature.** George Simbruner, Elke Griesmaier. (Sponsored by Judy L. Aschner) *Publication 7933.25*
- 438 **CoolSim: Assessing the Impact of Induced Hypothermia in a Large Perinatal System of Care.** J.E. Gray, A. Geva, Z. Zheng, J.A.F. Zupancic. *Publication 7933.26*
- 439 **Infra-Red Colour Thermography as a Tool in Assessing Thermal Comfort in NICU Babies.** E. Musialik-Swietlinska, K. Wojaczynska-Stanek, J. Swietlinski, R. Koprowski, R. Krawczyk, K. Bober. (Sponsored by Richard J. Schanler) *Publication 7933.27*
- 440* **Airborne Concentrations of Volatile Organic Compounds in a Neonatal Incubator.** Preetha A. Prazad, Donald R. Cortes, Anil Gulati, Bhagya L. Puppala, Surendra Kumar. *Publication 7933.28*
- 441 **A Randomized Trial of Weaning Preterm Infants at 1500g from Incubators: Effect on Failure to Wean, Weight Gain and Energy Expenditure.** Irit Berger, Francis Mimouni, Rozalia Kopolovitz, Shaul Dollberg. *Publication 7933.29*
- 442 **Electromagnetic Fields and Heart Rate Variability in Neonatal Incubators.** Carlo V. Bellieni, Maurizio Acampa, Marianna Maffei, Simona Maffei, Franco Bagnoli, Giuseppe Buonocore. *Publication 7933.30*
- 443 **How Many Trials Are Stopped Early in Pediatrics and Neonatology?** Dirk Bassler, Mona Abdel-Motagally, Abena Thomas, Montori M. Victor, Gordon G. Guyatt, Hareesh Kirpalani. *Publication 7933.31*
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- 444* **(Withdrawn) Short and Long Term Outcome at 2, 5 and 8 Years Old for Borderline Viability Neonates.** Woei Bing Poon, Wee Bin Lian, Cheo Lian Yeo. (Sponsored by Lai-Yun Ho)*Publication 7934.1*
- 445 **Method of Delivery and Neonatal Morbidity and Mortality in 11,580 Fullterm Breeches.** Christine Rietberg, Patty Elferink-Stinkens, Gerard Visser, Floris Groenendaal. *Publication 7934.2*
- 446 **Resource Utilization and Outcomes of Preterm Infants <30 Weeks Gestation in a Perinatal Center.** P.S. Shah, Y Diambomba, K. Young-Tai, V. Shah, S. Unger, K. O'Brien, E. Kelly, A. Jefferies, A. Ohlsson. *Publication 7934.3*
- 447 **Neonatal Mortality Rate (NMR) and Low Birth Weight (LBW) Rate; 25 Years' Experience in the South Bronx.** Jing J. Yoon, MaeHee Kim, Barbara K. Russell, Yves Verna. *Publication 7934.4*
- 448 **Influence of Patient-to-Nurse Ratios on Outcomes of Moderately Premature Infants.** Jochen Profit, Laura A. Petersen, Marie C. McCormick, Gabriel J. Escobar, Zheng Zheng, John A. Zupancic. *Publication 7934.5*
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- 450* **Impact of Maternal Smoking on Auditory Behavior in Infants.** Shama Praveen, Naveed Hussain, Cheryl Oncken, Denise Ortiz, Vijayakumar Praveen, Anna Dongari Bagtzoglou, Jonathan Covault, Henry Kranzler, Stephen Walsh. *Publication 7934.7*
- 451* **Birth Outcomes at Advanced Maternal Age, a Population Based Study.** Sarka Lisonkova, Shoo K. Lee, Samuel B. Sheps. *Publication 7934.8*
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- 453 **Hearing Loss in NICU Survivors in Singapore.** Mary L. Daniel, Annie Yeoh, Karen Hee, Abilash Balakrishnan, Sok Bee Lim. (Sponsored by Melissa J.P. Batilando) *Publication 7934.10*
- 454 **Impact of Developmental Care on Behavioral, Physiologic and Biologic Pain Response in Preterm Neonates: A Multisite Trial.** Morgane Dubourg, Veronique Pierrat, Joy V. Browne, Helene Ansquer, Jan Paisley, Emmanuel Oger, Jacques Sizun. (Sponsored by Pierre Gressens) *Publication 7934.11*
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- 458* **Influence of Early Dexamethasone Treatment on the Early Neurological Outcome in Extremely LBW Infants.** Janneke L.M. Bruggink, Eijja Anttila, Hendrik J. ter Horst, Mikko Hallmann, Arend F. Bos. *Publication 7934.15*
- 459* **Outcomes in Macrosomic Newborns of Non-Diabetic Mothers.** Srikant Das, Marybeth Patterson, David Schutzman, Agnes Salvador. *Publication 7934.16*
- 460 **Are Preterm Born Girls More Likely To Survive Than Boys?** Judith Mengel, Frank Pohlandt. *Publication 7934.17*
- 461 **Outcomes of Inborn and Transported Extremely Premature Infants in Hawaii.** Kristie Akamine, Brandon D. Young, Venkataraman Balaraman, Sheree Kuo. (Sponsored by Kenneth Nakamura)*Publication 7934.18*
- 462* **Relationship between 3D Lung CT Volumetric Measurements to Neonatal Lung Disease Severity and Cardiopulmonary Function among Early School Aged Children with Repaired Congenital Diaphragmatic Hernia.** Ji Young Chang, Ellen A. Kim, Ki Soo Kim, Soo Young Pi, Young Hwue Kim, Hyun Woo Goo, Jong Hyun Yoon, Sung-Cheol Yun. *Publication 7934.19*
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- 465 **Elevated Early End Tidal Carbon Monoxide (ETCOc) in Preterm Infants Is Associated with Adverse Developmental Outcome at 3.5 Years of Age.** Cornelia A. Blok, Tannette G. Krediet, Annemieke Kavelaars, Corine Koopman-Esseboom, Hendrik J. Vreman, Cobi J. Heijnen, Linda S. De Vries, Frank Van Bel. *Publication 7934.22*
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- 478 **What Is the Optimal Gestational Age (GA) To Electively Deliver Term Infants Known To Have CDH?** Timothy P. Stevens, Congenital Diaphragmatic Hernia Study Group. *Publication 7935.4*

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- 480 **Alveolar Development Is Improved by Photo Protection of TPN and Adding Multivitamins to the Lipid Emulsion without Compromising Lung Bioavailability of Vitamins C and E.** Jean-Claude Lavoie, Apollinaire Tsopmo, James Friel, Therese Rouleau, Philippe Chessex. *Publication 7935.6*
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- 483 **Pulmonary Deterioration among Extremely Low Gestational Age Newborns (ELGANs): Risk Factors and Relationship to Chronic Lung Disease (CLD).** Matthew Laughon, Elizabeth Allred, Michael O'Shea, Linda J. Van Marter, David Peden, Carl Bose. *Publication 7935.9*
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- 485 **Mice Deficient in the Genes for Cytochrome P450 (CYP)1A1 or 1A2 Display Increased Levels of Lipid Peroxidation Products and Augmented Susceptibility to Hyperoxic Lung Injury *In Vivo*.** Bhagavatula Moorthy, Lihua Wang, L. Jackson Roberts, Xanthi I. Couroucli, Roberto Barrios, Mohammed F. Khan, Weiwu Jiang. *Publication 7935.11*
- 486* **Safety and Efficacy of the Peroxisome Proliferator Activated Receptor (PPAR) γ Agonist Rosiglitazone (RGZ) for Lung Differentiation in a Neonatal Rat Model.** Laura M. Cerny, Ying Wang, Hean Sindlana, Jamie Santos, Reiko Sakurai, John S. Torday, Virender K. Rehan. *Publication 7935.12*
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- 494 **Effect of Lung Recruitment on Pulmonary and Systemic Blood Flow in Preterm Infants.** Koert A. de Waal, Mariette B. van Veenendaal, Nick Evans, Anton H.L.C. van Kaam. (Sponsored by J.H. Kok) *Publication 7935.20*
- 495 **Inhaled Corticosteroids in Ventilated Preterm Infants: An Escalating Dose-Ranging Study.** Vibhuti S. Shah, Krista Jangaard, Maureen Reilly, Michael Dunn. *Publication 7935.21*
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- 504 **Management of CDH – View from the Trenches.** Jaideep Singh, Sudhir Sriram, William Meadow. *Publication 7935.30*
- 505 **Neonatal Outcomes Following Delivery Room and Early Surfactant Treatment in Extremely Low Birth Weight (ELBW) Infants.** Leandro Cordero, Craig A. Nankervis, Wendy A. Luce, Peter J. Giannone. *Publication 7935.31*
- 506* **Effects of Inhalation of Low Concentration of CO₂ on the CO₂ Apneic Threshold: Possible Mechanism of CO₂ in Apnea of Prematurity.** Jubara Alallah, Ibrahim Ali, Fahad Al-Sufayan, Kim Kwiatkowski, Ruben E. Alvaro. *Publication 7935.32*

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- 509 **Trends in the Five-Minute Apgar Score-Specific Survival of Term Infants in the United States, 1985 to 2000.** Jaideep K. Singh, Sriram Sudhir, Chang G. Park, Masayoshi Uemura, Leslie Caldarelli, Kwangsun Lee. *Publication 7936.3*
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- 517* **Is Friday the Busiest Day for Late Preterm Delivery?** Sara J. Mola, Janet E. Graeber, Mark J. Polak, Panitan Yossuck. *Publication 7936.11*
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- 519 **Impact of 24-Hour Coverage of the Neonatal Intensive Care Unit by Neonatologist on the Survival Rate of Very Low Birth Weight Infants – Tertiary Care Experience.** Mansour A. Al Qurashi, Ahmed A. Mustafa, Aliya N. Musba, Salma H. El Beely, Ehab H. Hanafi, Sawsan Bassi, Doha Al Madani. (Sponsored by Hany Z. Aly) *Publication 7936.13*
- 520* **Deciding To Resuscitate a Newborn at the Threshold of Viability: Does Neonatal Prenatal Consultation Allow To Achieve Informed Consent?** Antoine Payot, Sylvie Gendron, Francine Lefebvre, Hubert Doucet. (Sponsored by Anne Monique Nuyt) *Publication 7936.14*
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- 525 **Establishment of an Effective Healthcare System for High Risk Newborn Infants in Korea.** Son-Moon Shin, Yong Kwon Lee, Dong Woo Son, Jeong-Joo Lee, Mea Young Chang, Moon Sung Park, Ran Namgung. (Sponsored by Maria Delivoria-Papadopoulos) *Publication 7936.19*
- 526 **International Comparison of Severe Neonatal Hyperbilirubinemia and Neonatal Herpes Simplex Virus Infection.** Danielle Grenier, Michael Sgro, Tom Wong, Donal Manning, Pat Tookey, Cheryl A. Jones. (Sponsored by Robert M. Issenman) *Publication 7936.20*

- 527 **Economic Impact of Hyperbilirubinemia in a Population of Healthy Term Infants Born in Nova Scotia, Canada from 1994 to 2000.** Krista A. Jangaard, Deshayne Fell, Linda Dodds, Alexander C. Allen. *Publication 7936.21*
- 528 **Impact of Revised Hyperbilirubinemia Guidelines on Hospitals and Practitioners.** Barbara M. Ostfeld, Vinod Bhutani, Rachel Avchen, Judith Hall, Thomas Hegyi. *Publication 7936.22*
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- 531 **Trends in the Use of Exchange Transfusion and Severe Hyperbilirubinemia.** Michael W. Kuzniewicz, Thomas B. Newman, Petra Liljestrand, Soora Wi, Gabriel J. Escobar. *Publication 7936.25*
- 532 **The Use of Systemic Corticosteroids in Infants < 1,000 Grams.** Kevin C. Dysart, Sharon Kirkby, Jennifer F. Culhane, Thomas Miller, Jay S. Greenspan. *Publication 7936.26*
- 533 **Delivery Room Risk Factors for Meconium Aspiration Syndrome (MAS) in the United States, 1995-2000.** Sudhir Sriram, Chang G. Park, Jaideep K. Singh, MasaYoshi Uemura, Leslie Caldarelli, Kwang-sun Lee. *Publication 7936.27*
- 534 **Does Health Insurance Status Influence Discharge Care for Preterm Infants with Bronchopulmonary Dysplasia?** Susan Adeniyi-Jones, David Webb, Sharon Kirkby, Jennifer F. Culhane, Jay S. Greenspan. *Publication 7936.28*
- 535* **Changing Use of Surfactant over 6 Years and Its Relationship to Chronic Lung Disease.** Euming Chong, Jay S. Greenspan, Sharon Kirkby, Jennifer Culhane, Kevin C. Dysart. *Publication 7936.29*
- 536* **Improved Weight Attainment for Extremely Low Gestational Age (ELGA) Infants with Bronchopulmonary Dysplasia (BPD).** Jessica Madden, Nori Mercuri-Minich, Mark Schluchter, Deanne Wilson-Costello, Kristen Kobaly, Maureen Hack. *Publication 7936.31*
- 537 **Multi-Center Network Lowers Rates of Birth Trauma & Iatrogenic Respiratory Distress by Instituting Methods of Change in Labor Management.** Susan Landers, Judy Kitchens, Mark Akin, Diana Weihs, Frank Mazza. (Sponsored by Reese H. Clark) *Publication 7936.32*
- 538* **Variations in Surfactant Use among Infants 30-34 Weeks' Gestation with Respiratory Distress Syndrome (RDS).** Heather C. Kaplan, Scott A. Lorch, Jennifer Pinto-Martin, Mary Putt, Jeffrey H. Silber. *Publication 7936.33*
- 539 **Duration of Home Oxygen Use among Infants with Chronic Lung Disease (CLD).** Savithri Nageswaran, T. Michael O'Shea. *Publication 7936.34*
- 540 **Cost Effective Interventions and Risk Factors for Bronchopulmonary Dysplasia (BPD) in the Brazilian Neonatal Research Network.** Jose M.A. Lopes, Maria E.L. Moreira, Saint Clair Gomes, Brazilian Network on Neonatal Research. (Sponsored by Ruth Guinsburg) *Publication 7936.35*
- 541 **Are Very-Low-Birth-Weight Children Enrolled in Medicaid Receiving Recommended Ophthalmologic Exams and Needed Hearing Rehabilitation?** Chih Hung J. Wang, Marc N. Elliott, Elizabeth A. McGlynn, Robert H. Brook, Mark A. Schuster. *Publication 7936.36*
- 542* **Association of Apnea and Retinopathy of Prematurity in Very Low Birth Weight Infants (VLBW); an Investigation of Risk Factors.** Mohammed Y. Al-Hindi, Anna Ells, Reg Sauve, Peter D. Faris, Shabih U. Hasan. *Publication 7936.37*
- 543* **Risk Factors Associated with the Development of Retinopathy of Prematurity in Preterm Small for Gestation Versus Appropriate for Gestational Age Infants.** Mohammed Y. Al-Hindi, Harish Amin, Anna Ells, Reg Sauve, Peter D. Faris, Wendy Yee. *Publication 7936.38*
- 544 **Consanguinity: A Risk Factor for Retinopathy of Prematurity.** David Fahed, Nancy Boghossian, Ghina Mumtaz, Pascale Nakad, May Al Kassar, Khalid Yunis. *Publication 7936.39*
- 545 **Differences in Neonatal Outcome in Boys and Girls Born Very Prematurely.** Janet L. Peacock, Louise Marston, Sandra A. Calvert, Neil Marlow, Anne Greenough. *Publication 7936.41*
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6:15pm–

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Respiratory Management of Very Premature Infants After Birth: Are We Doing the Right Thing(s)?

Colin J. Morley, The Royal Women's Hospital, Royal Children's Hospital, Murdoch Children's Research Institute, University of

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