

PEDIATRIC ANESTHESIOLOGY

2015

A meeting co-sponsored by the Society for Pediatric Anesthesia and the American Academy of Pediatrics Section on Anesthesiology and Pain Medicine

MARCH 13 - 15, 2015
Arizona Biltmore • Phoenix, AZ



Society for Pediatric Anesthesia



education • research • patient safety



American Academy
of Pediatrics



WELCOME TO PEDIATRIC ANESTHESIOLOGY 2015!

We are excited to present the Society for Pediatric Anesthesia (SPA) and American Academy of Pediatrics (AAP) Section of Anesthesiology and Pain Medicine *Pediatric Anesthesiology 2015* meeting at the Arizona Biltmore in Phoenix from March 13 -15, 2015.

There will be a wide range of topics with a focus on patient safety that describe novel emerging technologies, research and practice models that will determine the future practice of pediatric anesthesiology.

The program features renowned national and international faculty from varied practice settings. Among our distinguished faculty, Dr. Bruce Carleton, our keynote speaker from the University of British Columbia, will lecture on "Pharmacogenomics and the Transformation of Practice." Dr. Mike Schweitzer, Chair of the ASA Committee on Future Models, will discuss new models of care in his lecture entitled the "Pediatric Perioperative Surgical Home." In our annual AAP Session, we will hear from Dr. Gerald Hickson regarding "The Patient Advocacy Reporting System (PARS) and Behaviors that Undermine a Culture of Safety." PARS is a model that originated at Vanderbilt University that aggregates and analyzes patient complaints and uses these data to address the risk of certain healthcare practices and behaviors.

In planning this meeting, we reviewed audience comments from past meetings and solicited input from the SPA Education Committee. The Meeting Planning Committee included Dr. Shobha Malviya (Chair, SPA Education Committee), Dr. Rosalie Tassone (Workshop Coordinator), Dr. John Fiadjoe (PBLD Coordinator), Dr. Joe Tobias (AAP section Chair) and Kim Battle (SPA Association Manager). We also had our three shadow program members for the second year, elected from the "young turks" group which is an SPA leadership growth project. Our bright and enthusiastic young members this year are Dr. Inger Aliason, Dr. Tarun Bhalla and Dr. Christina Diaz.

The SPA/AAP Pediatric Anesthesiology 2015 meeting will offer a maximum of 26.5 CME credits. Additional CME offerings on Thursday include 8.5 credits for the Congenital Cardiac Anesthesia Society (CCAS), organized by Program Chair Dr. Nina Guzzetta, and 10 credits for the Society for Pediatric Pain Medicine (SPPM) 2nd Annual Meeting, organized by Program Chair Dr. Robert Wilder. Please note that registration for the CCAS and SPPM meetings are separate from that for the SPA/AAP meeting.

Approval is being sought from the American Board of Anesthesiology



Samuel H. Wald, MD, MBA
Program Chair

to continue to provide lectures that satisfy the Part II Safety CME requirement for Maintenance of Certification in Anesthesiology. We hope that you'll find this to be a great benefit.

New workshops have been added to enhance the small group interactive discussions. Perioperative Pediatric Advanced Life Support Simulation, Disclosure of Adverse Events and a workshop on Fetal Interventions are likely to be popular new additions to the program.

The Robert M. Smith Award has been presented at the meeting since 1986 to honor an individual who has made outstanding contributions to the field of pediatric anesthesiology. I have the pleasure to announce that the AAP Robert M. Smith Awardee this year is Dr. Charles Lockhart. Please join me

in congratulating this exemplary physician and attend the award presentation at the beginning of the afternoon session on Friday.

Sunday opens with a novel Professionalism and Leadership Panel where we will explore successful leadership pathways, what to do in the first ten years of practice and how to prepare for the last ten years of practice. Our hope is that this will entice all attendees regardless of the stage of their careers. This will be followed by the ever-popular Pro/Con panel known as Family Feud, in which six members of our specialty are divided into two teams – North vs. South that each present opinions and best practices about important controversies in pediatric anesthesia. This year the panel will be co-moderated by Dr. Stuart Hall and me.

The program also includes a session that focuses on outcomes data and a special panel on Obstructive Sleep Apnea and another on new surgical technologies. You will find that no matter what the composition of your practice, you will leave the meeting with clinical information immediately relevant and other concepts that will help to sustain your practice within the dynamic health care environment.

It was a great pleasure to have the opportunity to be involved in planning this meeting. We sincerely hope that you will enjoy the meeting and find it to be an enlightening and fruitful experience. This conference is designed to provide new knowledge and clinically relevant lessons that can be used to enhance the care of our pediatric patients.

Warmly,

Samuel H. Wald, MD, MBA

MEETING INFORMATION

Education Mission Statement

The annual Winter/Spring Meeting will focus on topics of interest to those who provide anesthesia, sedation, pain management, and critical care services to infants and children. The overall goals of this program are to: enable attendees to reinforce their existing fund of knowledge; to introduce them to new, state-of-the-art techniques; and to provide them with information that will improve the perioperative care of children.

Scope & Types of Activities

The program brings together experts from clinical and basic science disciplines related to pediatric medicine, anesthesia, and surgery. General topic areas include anatomy, pathophysiology, anesthetic pharmacology, sedation, pain management, patient safety, and child advocacy. We will also discuss practice and career management issues. The presentation format is varied, and includes lectures and refresher courses, panel discussions, hands-on workshops and problem-based learning discussions. Additionally, an important part of the program is the presentation of new clinical and basic science research in oral and moderated poster-discussion forums. Significant attendee involvement and feedback are encouraged in all aspects of the program, and will be facilitated by the use of real time computerized audience polling as well as sessions where the audience directly participates in case discussions. Program content is, in fact, the direct result of membership input and extensive audience polling at prior meetings.

Target Audience

This program is intended for anesthesiologists and other practitioners who care for children in their practice of anesthesiology and/or critical care. It is also intended for clinical and basic science researchers whose areas of investigation relate to pediatric anesthesia.

Accreditation & Designation

SPA/AAP Program: The Society for Pediatric Anesthesia is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Society for Pediatric Anesthesia designates this Live activity for a maximum of 26.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Americans With Disabilities Act (ADA)

The Society for Pediatric Anesthesia has fully complied with the legal requirements of the ADA and the rules and regulations thereof. If any participant in this educational activity is in need of accommodations, please contact SPA at (804) 282-9780 by February 27, 2015 in order to receive service.

Hotel Information

Since 1929, Arizona Biltmore has been a destination of inspiration. 39 acres of gardens, swimming pools and iconic architecture stir a city to life, provide safe haven to celebrities and presidents, and play muse to guests' whims and wishes throughout this historical luxury resort. Championship golf, a 22,000+ square foot spa and fitness center, multiple restaurants, and a variety of amenities await you. Experience the unrivaled grace of this timeless treasure with a spirited soul.



The Society for Pediatric Anesthesiology is pleased to offer several opportunities to help fulfill your American Board of Anesthesiology[®] Maintenance of Certification in Anesthesiology (MOCA)[®] Part II Patient Safety requirements at the SPA-AAP Pediatric Anesthesiology 2015 meeting!

By attending the following sessions, you are eligible to receive up to three (3) credits that may be applied towards Part II: Lifelong Learning and Self-Assessment Patient Safety requirements.

- Obstructive Sleep Apnea Panel
 - The Risks of Obstructive Sleep Apnea in Children
 - OSA & Opioid Sensitivity
 - OSA – A Surgeon's Perspective
- Outcome Data in Pediatric Anesthesia – How will it affect your practice today?
 - Database of Fetal Intervention
 - The Pediatric Craniofacial Surgery Perioperative Registry
 - Difficult Airway Database
- Neurodevelopmental Outcomes After Cardiac Surgery

This patient safety activity helps fulfill the patient safety CME requirement for Part II of the Maintenance of Certification in Anesthesiology Program (MOCA) of the American Board of Anesthesiology (ABA). Please consult the ABA website, www.theABA.org, for a list of all MOCA requirements.

Maintenance of Certification in Anesthesiology Program[®] and MOCA[®] are registered certification marks of The American Board of Anesthesiology[®].

FACULTY

Edwin J. Abraham, MD

Arkansas Children's Hospital
Little Rock, AR

Euleche Alanmanou, MD

University of Texas Medical Branch
Galveston, TX

Oiga Albert, MD

Lucile Packard Children's Hospital
Stanford University
Stanford, CA

Gijo A. Alex, MD

The Children's Hospital of Philadelphia
Philadelphia, PA

Aditee Ambardekar, MD

UT Southwestern Medical Center
Dallas, TX

Warwick A. Ames, MBBS, FRCA

Duke University Medical Center
Durham, NC

Dean B. Andropoulos, MD, MHCM

Texas Children's Hospital
Houston, TX

Jacob Aubuchon, MD

Washington University
St. Louis Children's Hospital
St. Louis, MO

Jennifer P. Aunspaugh, MD

Arkansas Children's Hospital
Little Rock, AR

Ihab Ayad, MD

UCLA Medical Center
Los Angeles, CA

J. Michael Badgwell, MD, FAAP

Cook Children's Medical Center
Fort Worth, TX

Rahul Baijal, MD

Texas Children's Hospital
Houston, TX

Heather A. Ballard, MD

Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Carolyn F. Bannister, MD, FAAP

Emory University
Atlanta, GA

Paula Belson, CRNA

Children's Hospital Los Angeles
Los Angeles, CA

Tarun Bhalla, MD

Nationwide Children's Hospital
Columbus, OH

Sally Bitzer, MD

Johns Hopkins University
Baltimore, MD

Brian Blasiole MD, PhD

Children's Hospital of Pittsburgh
Pittsburgh, PA

Anne C. Boat, MD

Cincinnati Children's Hospital Medical Center
Cincinnati, OH

Charles P. Boinske, CFA

Independence Advisors, LLC
Wayne, PA

Karen R. Boretzky, MD

Boston Children's Hospital
Boston, MA

Adrian T. Bosenberg, MB, ChB, FFA

Seattle Children's Hospital
Seattle, WA

Robert P. Brislin, DO

AI DuPont Hospital for Children
Wilmington, DE

Megan Brockel, MD

Children's Hospital Colorado
Aurora, CO

Aaron Broman, MD

Vanderbilt University Medical Center
Nashville, TN

Karen Brown, MD

Montreal Children's Hospital
Montreal, QB, Canada

Morgan L. Brown, MD, PhD

Boston Children's Hospital
Boston, MA

Thomas M. Burch, MD

Boston Children's Hospital
Boston, MA

Napoleon Burt, MD

Cook Children's Medical Center
Fort Worth, TX

Patrick M. Callahan, MD

Children's Hospital of Pittsburgh
Pittsburgh, PA

Rose Campise Luther, MD, FAAP

Children's Hospital of Wisconsin
Milwaukee, WI

Carlos J. Campos Lopez, MD, FAAP

Texas Children's Hospital
Houston, TX

Bruce Carleton, PharmD

University of British Columbia
Vancouver, BC, Canada

Richard S. Cartabuke, MD

Nationwide Children's Hospital
Columbus, OH

Veronica Carullo, MD, FAAP

Montefiore Medical Center
Bronx, NY

Denise Chan, MD

Lucille Packard Children's Hospital
Stanford University
Stanford, CA

Debnath Chatterjee, MD

Children's Hospital Colorado
Aurora, CO

Pankaj Chhatbar, MD

Children's Hospital of Georgia
Augusta, GA

Ellen Choi, MD

UCLA Medical Center
Los Angeles, CA

Rachel G. Clopton, MD

Children's Hospital Colorado
Aurora, CO

Mindy N. Cohen, MD

Children's Hospital Colorado
Aurora, CO

Marco Corridore, MD

Nationwide Children's Hospital
Columbus, OH

Charles J. Coté, MD, FAAP

Massachusetts General Hospital
Boston, MA

Priti Dalal, MD, FRCA

Penn State Milton S. Hershey Medical Center
Penn State Children's Hospital
Hershey, PA

Jennifer L. Dearden, MD

Boston Children's Hospital
Boston, MA

Ellen S. Deutsch, MD, MS, FACS, FAAP

The Children's Hospital of Philadelphia
Philadelphia, PA

Nina Deutsch, MD

Children's National Medical Center
Washington, DC

Christina D. Diaz, MD

Children's Hospital of Wisconsin
Milwaukee, WI

Johan Diedericks, MMed(Anes), FCA(SA), BA

University of the Free State
Bloemfontein, South Africa

Jennifer Dillow, MD, FAAP

University of New Mexico
Albuquerque, NM

James DiNardo, MD

Boston Children's Hospital
Boston, MA

R. Scott Dingeman, MD, FAAP

New York Presbyterian Hospital
Weill Cornell Medical Center
New York City, NY

Laura Downey, MD

Boston Children's Hospital
Boston, MA

Julie K. Drobish, MD

Penn State Milton S. Hershey Medical Center
Penn State Children's Hospital
Hershey, PA

Oleg Drozhinin, MD

All Children's Hospital
St. Petersburg, FL

Andrea Dutoit, MD

University of Oklahoma Health Sciences Center
Oklahoma City, OK

Dirk Eggert-Doktor, MD

Mount Sinai Medical Center
New York, NY

James R. Eiszner, MD

Johns Hopkins University
Baltimore, MD

Herodotos Ellinas, MD, FAAP

Children's Hospital of Wisconsin
Milwaukee, WI

Marla Ferschl, MD

University of California San Francisco
San Francisco, CA

John Fiadjoe, MD

The Children's Hospital of Philadelphia
Philadelphia, PA

Paul J. Fronapfel, MD

Presbyterian Hospital
Charlotte, NC

Cory M. Furse, MD

Medical University of South Carolina
Charleston, SC

Jorge A. Galvez, MD

The Children's Hospital of Philadelphia
Philadelphia, PA

Arjunan Ganesh, MBBS

The Children's Hospital of Philadelphia
Philadelphia, PA

Meera Gangadharan, MBBS

University of Texas Medical Branch
Galveston, TX

Elizabeth L. Gavin, RP

Independence Advisors, LLC
Wayne, PA

Nancy Glass, MD, MBA, FAAP

Texas Children's Hospital
Houston, TX

Brenda Golianu, MD

Lucile Packard Children's Hospital
Stanford University
Stanford, CA

Cheryl K. Gooden, MD, FAAP

Mount Sinai Medical Center
New York, NY

Diane Gordon, MD

Cincinnati Children's Hospital Medical Center
Cincinnati, OH

Shannon M. Grap, MD

Penn State Milton S. Hershey Medical Center
Penn State Children's Hospital
Hershey, PA

Glenn E. Green, MD

University of Michigan
Ann Arbor, MI

Robert Greenberg, MD

Johns Hopkins Children's Center
Baltimore, MD

George A. Gregory, MD, FAAP

University of California San Francisco
Medical Center
San Francisco, CA

Heike Gries, MD, PhD

Oregon Health & Science University
Portland, OR

Eileen Griffin, CRNA

Vanderbilt University Medical Center
Nashville, TN

FACULTY

Kendra Grim, MD

Mayo Clinic
Rochester, MN

Harshad G. Gurnaney, MBBS, MPH

The Children's Hospital of Philadelphia
Philadelphia, PA

Dawit T. Haile, MD

Mayo Clinic
Rochester, MN

Stuart R. Hall, MD

Texas Children's Hospital
Houston, TX

Denise M. Hall-Burton, MD

Children's Hospital of Pittsburgh of UPMC
Pittsburgh, PA

Gregory B. Hammer, MD

Lucile Packard Children's Hospital
Stanford University
Stanford, CA

Judith L. Handley, MD

University of Kentucky
Lexington, KY

Courtney A. Hardy, MD, FAAP

Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Margaret Hartig, CRNA

Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Laura Hastings, MD

Children's Hospital Los Angeles/USC
Los Angeles, CA

Bishr Haydar, MD

CS Mott Children's Hospital
University of Michigan
Ann Arbor, MI

Michael Hernandez, MD

University of Chicago
Chicago, IL

Raquel Hernandez, MD

Oregon Health & Science University
Portland, OR

Gerald B. Hickson, MD

Vanderbilt University Medical Center
Nashville, TN

Anita Honkanen, MD

Lucile Packard Children's Hospital
Stanford University
Stanford, CA

Agnes I. Hunyady, MD

Seattle Children's Hospital
Seattle, WA

Caleb Ing, MD

Columbia University
New York, NY

Richard J. Ing, MB, BCh, SCA (SA)

Children's Hospital Colorado
Aurora, CO

Eric Jackson, MD, MBA

Johns Hopkins University
Baltimore, MD

Narasimham Jagannathan, MD

Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Nathalia Jimenez, MD

Seattle Children's Hospital
Seattle, WA

Fay Jou, MD

Cook Children's Medical Center
Fort Worth, TX

Eric Kamenetsky, MD

Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Nishanthi Kandiah, MD

Boston Children's Hospital
Boston, MA

Sujatha Kannan, MD

Johns Hopkins Children's Center
Baltimore, MD

Deepa Kattail, MD

Johns Hopkins University
Baltimore, MD

Todd J. Kilbaugh, MD

The Children's Hospital of Philadelphia
Philadelphia, PA

Rahul Koka, MD, MPH

Johns Hopkins University
Baltimore, MD

Anthony Koo, MD

Valley Anesthesiology Consultants
at Phoenix Children's Hospital
Phoenix, AZ

Charles R. Korger, CFA

Independence Advisors, LLC
Wayne, PA

Pete G. Kovatis, MD

Boston Children's Hospital
Boston, MA

F. Wickham Kraemer, MD

The Children's Hospital of Philadelphia
Philadelphia, PA

Calvin Kuan, MD

Lucile Packard Children's Hospital
Stanford University
Stanford, CA

Jane Kugler, MD

Children's Hospital and Medical Center
Omaha, NE

Kristen Labovsky, MD

Children's Hospital of Wisconsin
Milwaukee, WI

Jennifer Lam, DO

Cincinnati Children's Hospital Medical Center
Cincinnati, OH

Kirk Lalwani MD, FRCA, MCR

Oregon Health & Science University
Portland, OR

Alina Lazar, MD

University of Chicago
Chicago, IL

Charles Lee, MD

Kaiser Permanente Los Angeles
Medical Center
Los Angeles, CA

Juliane Lee, MD

Arkansas Children's Hospital
Little Rock, AR

Richard J. Levy, MD

Children's National Medical Center
Washington, DC

Yuan-Chi Lin, MD, MPH

Boston Children's Hospital
Boston, MA

Justin L. Lockman, MD

The Children's Hospital of Philadelphia
Philadelphia, PA

Justin B. Long, MD

Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Thomas J. Long, MD, FAAP

University of New Mexico
Albuquerque, NM

Anne T. Lunney, MD

Children's Healthcare of Atlanta
Emory University
Atlanta, GA

Anne M. Lynn, MD

Seattle Children's Hospital
Seattle, WI

Kelly A. Machovec, MD, MPH

Duke University Medical Center
Durham, NC

Mohamed A. Mahmoud, MD

Cincinnati Children's Hospital Medical Center
Cincinnati, OH

Shobha Malviya, MD

CS Mott Children's Hospital
University of Michigan
Ann Arbor, MI

Inna Maranets, MD

University of Connecticut School of Medicine
Farmington, CT

Scott D. Markowitz, MD, FAAP

Children's Hospital Colorado
Aurora, CO

Linda Mason, MD

Loma Linda University
Loma Linda, CA

Maria Matuszczak, MD

University of Texas Houston Medical Center
Houston, TX

Aubrey Maze, MD

Valley Anesthesiology Consultants, Ltd.
Phoenix, AZ

Katherine Mazier, MD

Children's Healthcare of Atlanta
Emory University
Atlanta, GA

Craig D. McClain, MD

Boston Children's Hospital
Boston, MA

John J. McCloskey, MD

The Children's Hospital of Philadelphia
Philadelphia, PA

Francis X. McGowan, MD

The Children's Hospital of Philadelphia
Philadelphia, PA

Renata Miketic, MD

University of Nebraska Medical Center
Omaha, NE

Wanda C. Miller-Hance, MD

Texas Children's Hospital
Houston, TX

Peggy P. McNaull, MD

University of North Carolina Hospitals
Durham, NC

Petra Meier, MD, DEAA

Boston Children's Hospital
Boston, MA

Wallis T. Muhly, MD

The Children's Hospital of Philadelphia
Philadelphia, PA

Olubukola O. Nafiu, MD, FRCA

CS Mott Children's Hospital
University of Michigan
Ann Arbor, MI

Michael E. Nemerlut, MD

Mayo Clinic
Rochester, MN

Jennie Ngai, MD

New York University Langone Medical Center
New York, NY

Julie J. Niezgodna, MD

Cleveland Clinic Foundation
Cleveland, OH

Dolores B. Njoku, MD

Johns Hopkins University
Baltimore, MD

Sameh Nour, MD

Children's Hospital Los Angeles
Los Angeles, CA

Suzanne Numan, MD

Cincinnati Children's Hospital Medical Center
Cincinnati, OH

Patrick Olomu, MD, FRCA

Children's Medical Center
Dallas, TX

Olutoyin A. Olutoye, MD, FAAP

Texas Children's Hospital
Houston, TX

David H. Pae, MD

Emory University
Atlanta, GA

Elyse Parchmont, CRNA

Texas Children's Hospital
Houston, TX

Uma Parekh, MBBS, FRCA

Penn State Milton S. Hershey Medical Center
Hershey, PA

Raymond Park, MD

Boston Children's Hospital
Boston, MA

FACULTY

Jerome Parness, MD, PhD, FAAP
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, PA

Amish Patel, MD
All Children's Hospital
St. Petersburg, FL

Shivani K. Patel, MD
Johns Hopkins University
Baltimore, MD

Shannon Peters, MD
Mayo Clinic
Rochester, MN

Joyce Phillips, MD, FAAP
University of New Mexico
Albuquerque, MN

David Polaner, MD
Children's Hospital Colorado
Aurora, CO

Peter M. Popic, MD
University of Wisconsin Hospitals
Madison, WI

Pavithra Ranganathan, MD
West Virginia University School of Medicine
Morgantown, WV

Paul I. Reynolds, MD, FAAP
CS Mott Children's Hospital
University of Michigan
Ann Arbor, MI

Kristin Richards, MD
Children's Hospital Los Angeles/USC
Los Angeles, CA

Teresa L. Roberts, MD
Children's National Medical Center
Washington, DC

Cesar Rodriguez-Diaz, MD
Mount Sinai Medical Center
New York, NY

Thomas Romanelli, MD
Vanderbilt University Medical Center
Nashville, TN

Kasia P. Rubin, MD
Rainbow Babies & Children's Hospital
Cleveland, OH

Haleh Saadat, MD
Nationwide Children's Hospital
Columbus, OH

Senthilkumar Sadhasivam, MD
Cincinnati Children's Hospital Medical Center
Cincinnati, OH

Taran Sangari, MD
Arkansas Children's Hospital
Little Rock, AR

Madhankumar Sathyamoorthy, MD
University of Mississippi Medical Center
Jackson, MS

Amod Sawardekar, MD
Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Gregory J. Schears MD
Mayo Clinic
Rochester, MN

Michelle Schlunt, MD
Children's Hospital Los Angeles
Los Angeles, CA

Gregory Schnepfer, MD
Medical University of South Carolina
Charleston, SC

Charles Schrock, MD
Washington University, St. Louis
Children's Hospital
St. Louis, MO

John K. Schroeder, MD
University of Rochester Medical Center
Rochester, NY

Annette Y. Schure, MD
Boston Children's Hospital
Boston, MA

Mike P. Schweitzer, MD, MBA
Chair, ASA Committee on Future Models
of Anesthesia Practice
Vice President - Healthcare Delivery System
Transformation
VHA, Southeast, Inc.
Tampa, FL

Thomas L. Shaw, MD
Texas Children's Hospital
Houston, TX

Joanne E. Shay, MD, MBA
Johns Hopkins University
Baltimore, MD

Carmen Simion, MD
Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Devika Singh, MD
The Children's Hospital of Philadelphia
Philadelphia, PA

Raj Singhal, MD
Valley Anesthesiology Consultants
at Phoenix Children's Hospital
Phoenix, AZ

Steven Sivils, DO, MS
Providence Anchorage Anesthesia
Medical Group
Anchorage, AK

Lisa Sohn, MD
Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Kristin O. Spisak, MD
Riley Hospital for Children
Indianapolis, IN

Lianne Stephenson MD
University of Wisconsin School of Medicine
Madison, WI

Paul A. Stricker, MD
The Children's Hospital of Philadelphia
Philadelphia, PA

Kim Strupp, MD
Children's Hospital Colorado
Aurora, CO

Lena Sun, MD
Columbia University Medical Center
New York, NY

Santhanam Suresh, MD
Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Dawn M. Sweeney, MD
University of Rochester Medical Center
Rochester, NY

Peter Szmuk, MD
Children's Medical Center
Dallas, TX

Judit Szolnoki, MD, FAAP
Children's Hospital Colorado
Aurora, CO

Thomas Taghon, DO
Nationwide Children's Hospital
Columbus, OH

Pravin A. Taneja, MD
St. Christopher's Hospital for Children
Philadelphia, PA

Sarah Tariq, MD
Arkansas Children's Hospital
Little Rock, AR

Rosalie Tassone, MD, MPH
University of Illinois, Chicago
Chicago, IL

Arlene K. Thung, MD
Nationwide Children's Hospital
Columbus, OH

Joseph D. Tobias, MD, FAAP
Nationwide Children's Hospital
Columbus, OH

Kha M. Tran, MD
The Children's Hospital of Philadelphia
Philadelphia, PA

Christine Trieu, MD
UCLA Medical Center
Los Angeles, CA

Premal M. Trivedi, MD
Texas Children's Hospital
Houston, TX

Hannah Tuckwell, MD
CS Mott Children's Hospital
University of Michigan
Ann Arbor, MI

Cynthia Tung, MD, MPH
Boston Children's Hospital
Boston, MA

Tetsu Uejima, MD
Al DuPont Hospital for Children
Wilmington, DE

Joshua C. Uffman, MD
Nationwide Children's Hospital
OSU Wexner Medical Center
Columbus, OH

Jaya Varadarajan, MD
Children's Hospital of Wisconsin
Milwaukee, WI

Susan Verghese, MD
Children's National Medical Center
Washington, DC

Terri Voepel-Lewis, PhD, RN
CS Mott Children's Hospital
University of Michigan
Ann Arbor, MI

Polina Voronov, MD
University of Illinois in Chicago
Chicago, IL

Samuel Wald, MD, MBA
Lucile Packard Children's Hospital
Stanford University
Stanford, CA

Benjamin J. Walker, MD
University of Wisconsin Hospitals
Madison, WI

Shu-Ming Wang, MD
University of Connecticut School of Medicine
Farmington, CT

Christopher G. Ward, MD
The Children's Hospital of Philadelphia
Philadelphia, PA

Nicholas R. Wasson, MD
Ann & Robert H. Lurie Children's Hospital
Chicago, IL

Mehernoor F. Watcha, MD
Texas Children's Hospital
Houston, TX

Scott C. Watkins, MD
Vanderbilt University Medical Center
Nashville, TN

John Welch, CRNA
Boston Children's Hospital
Boston, MA

Brian Wilhelmi, MD, JD
Valley Anesthesiology Consultants, Ltd.
Phoenix, AZ

Vidya Yalamanchili, MD
Luis M. Zabala, MD
Children's Medical Center
Dallas, TX

Jennifer Zeig, MD
Children's Hospital Colorado
Aurora, CO

SCIENTIFIC PROGRAM

THURSDAY, MARCH 12, 2015

- 6:00 am – 5:00 pm Registration
- 8:00 am – 4:00 pm Society for Pediatric Pain Medicine (SPPM) 2nd Annual Meeting (Separate registration required)
Congenital Cardiac Anesthesia Society (CCAS) Meeting (Separate registration required)
- 4:00 – 7:00 pm Special Workshops (See page 11)

FRIDAY, MARCH 13, 2015

- 6:30 am – 5:30 pm Registration
- 6:30 – 7:40 am PBLDs (see page 10)
- 6:45 – 7:45 am Continental Breakfast with Exhibitors and Posters
- 7:45 – 8:00 am Welcome and Outline of Educational Program
Shobha Malviya, MD; Joseph D. Tobias, MD, FAAP; Samuel Wald, MD, MBA

Session I: Pharmacogenomics

Moderator: Nancy Glass, MD, MBA, FAAP

- 8:00 – 8:45 am **Pharmacogenomics and the Transformation of Practice**
Bruce Carleton, PharmD
- 8:45 – 9:45 am **Clinical Aspects of Pharmacogenomics**
- Pharmacogenomics and Malignant Hyperthermia - *Lena Sun, MD*
 - Analgesics and the Effects of Pharmacogenomics - *Mindy N. Cohen, MD*
- 9:45 – 10:00 am Discussion
- 10:00 – 10:30 am Coffee Break with Exhibitors and Posters

Session II: Surgical Home

Moderator: Kasia P. Rubin, MD

- 10:30 – 11:15 am **Pediatric Perioperative Surgical Home**
Mike P. Schweitzer, MD, MBA
- 11:15 – 11:30 am Discussion
- 11:30 am – 1:00 pm LUNCH with Exhibitors and Posters

Session III: AAP Session

Moderator: Carolyn F. Bannister, MD, FAAP

- 1:00 – 1:15 pm **AAP Robert M. Smith Presentation: Charles H. Lockhart, MD, FAAP**
- 1:15 – 2:15 pm **AAP Advocacy Lecture: The Patient Advocacy Reporting System and Behaviors that Undermine a Culture of Safety**
Gerald B. Hickson, MD

Session IV: Obstructive Sleep Apnea Panel

Moderator: Shobha Malviya, MD



- 2:15 – 2:35 pm **The Risks of Obstructive Sleep Apnea in Children**
Charles J. Coté, MD, FAAP
- 2:35 – 2:55 pm **OSA & Opioid Sensitivity**
Karen Brown, MD
- 2:55 – 3:15 pm **OSA – A Surgeon's Perspective**
Glenn E. Green, MD

CONVENIENT ONLINE REGISTRATION!

Visit
www.pedsanesthesia.org
to register for the meetings
and book your hotel
reservations online.

**Registration rates increase
after February 13, 2015.**
Printable forms are also available
at www.pedsanesthesia.org.

SCIENTIFIC PROGRAM

- 3:15 – 3:30 pm Discussion
3:30 – 3:45 pm Coffee Break
3:30 – 6:30 pm Special Workshops (see page 11)

Session V: Refresher Courses

Moderator: Peggy P. McNaull, MD

- 3:45 – 4:30 pm **REFRESHER COURSE: Physician Wellbeing**
Haleh Saadat, MD
- 4:30 – 5:15 pm **REFRESHER COURSE: Perioperative Management of the Neonate**
Julie J. Niezgoda, MD
- 5:30 – 7:30 pm **Reception with Exhibitors**

SATURDAY, MARCH 14, 2015

- 6:30 am – 5:00 pm Registration
6:50 – 8:00 am PBLDs (see page 10)
7:00 – 8:00 am Continental Breakfast with Exhibitors and Posters

Session I: Outcome Data in Pediatric Anesthesia - How will it affect your practice today?

Moderator: Johan Diedericks, MMed (Anes), FCA (SA), BA



- 8:00 – 8:25 am **Database of Fetal Intervention**
Debnath Chatterjee, MD
- 8:25 – 8:50 am **The Pediatric Craniofacial Surgery Perioperative Registry**
Paul A. Stricker, MD
- 8:50 – 9:15 am **Difficult Airway Database**
John Fiadjoe, MD
- 9:15 – 9:30 am Discussion
9:30 – 10:00 am Coffee Break with Exhibitors and Posters

Session II: Poster Presentations and Awards

- 10:00 – 10:45 am **Oral Presentations and Abstract Awards**
Moderators: Joseph D. Tobias, MD, FAAP; Sam Wald, MD, MBA
- 10:45 am – 12:15 pm **Walk around Posters/Discussion Sessions**
Session Moderators: Carlos J. Campos Lopez, MD, FAAP; Narasimham Jagannathan, MD; Nathalia Jimenez, MD; Wanda Miller-Hance, MD; Olubukola Nafiu, MD; David Polaner, MD; Senthilkumar Sadhasivam, MD; Susan Verghese, MD; Terri Voepel-Lewis, PhD, RN; Mehernoor Watcha, MD
- 12:15 – 1:30 pm **Lunch on your own / Committee Meetings**

Session III: AAP Ask the Experts Panels

Moderator: Courtney A. Hardy, MD, FAAP

- 1:30 – 2:30 pm **AAP Ask the Experts Panel**
- **Neurodevelopmental Outcomes After Cardiac Surgery** – Dean B. Andropoulos, MD, MHCM
 - **High Risk Cardiac Lesions for Non-cardiac Surgery - Williams, Pulm HTN, Sinusoids-Oh My!**
– Annette Y. Schure, MD
- 2:30 – 2:45 pm Break



SCIENTIFIC PROGRAM

Session IV: Emerging Surgical Technologies

Moderator: *Nina Deutsch, MD*

- 2:45 – 3:30 pm** **Nanotechnology & Anesthesiology**
Sujatha Kannan, MD
- 3:30 – 4:00 pm** **Open vs. Endoscopic Craniosynostosis Repair**
Petra Meier, MD, DEAA
- 4:00 – 4:45 pm** **3D Printing and Beyond: New Techniques in Airway Surgery**
Glenn E. Green, MD; Paul I. Reynolds, MD, FAAP
- 3:00 – 6:00 pm** **Special Workshops (see page 11)**
- 4:50 – 6:00 pm** **PBLDs (see page 10)**
- 6:00 – 6:45 pm** **Special Reception: The Young Turks (invitation only)**
- 6:00 – 7:30 pm** **AAP Section 50th Anniversary Event**

SUNDAY, MARCH 15, 2015

- 7:00 – 8:10 am** **PBLDs (see page 10)**
- 7:00 – 8:15 am** **Continental Breakfast**
- 8:15 – 11:15 am** **CRNA Symposium** – All registered attendees are welcome to attend!
- **Safety and Quality in Pediatric Anesthesia: Building Blocks** – *Tetsu Uejima, MD*
 - **The Intraoperative Respiratory Care of Premature Infants: Potential Risks and Practice Considerations** – *Eileen Griffin, CRNA*
 - **Anesthesia Considerations for Dynamic Airway Evaluation** – *Mohamed A Mahmoud, MD*
 - **The Management of Massive Blood Loss and Resuscitation during Redo Sternotomy in a Patient Supported with a Ventricular Assist Device** – *Elyse Parchmont, CRNA*

Session I: Professionalism Panel

Moderator: *Thomas J. Long, MD, FAAP*

- 8:15 – 8:45 am** **Promoting Leadership and Professionalism**
Linda Mason, MD
- 8:45 – 9:05 am** **Goals for Accomplishments in the First Ten Years of Practice**
Jennifer P. Aunspaugh, MD
- 9:05 – 9:45 am** **Preparing for the Last Ten Years of Practice: Reflections from the Experienced**
Gregory Hammer, MD; George A. Gregory, MD, FAAP; Anne Lynn, MD; Aubrey Maze, MD
- 9:45 – 10:00 am** **Discussion**

Session II: Family Feud

Moderators: *Stuart R. Hall, MD; Sam Wald, MD, MBA*

- 10:00 – 11:30 am** **North vs. South**
Northern Team – *Olubukola O. Nafiu, MD, FRCA; Christina D. Diaz, MD; Michael E. Nemergut, MD*
Southern Team – *Jennifer Dillow, MD, FAAP; Judith L. Handley, MD; David H. Pae, MD*
- 11:30 – 11:45 am** **Educational Summary**
Adjourn
- 11:30 am – 7:00 pm** **MOCA Simulation @ SPA (Separate registration required. Lunch is included.)**

PROBLEM-BASED LEARNING DISCUSSIONS

Register for PBLDs at www.pedsanesthesia.org

Friday, March 13, 2015 • 6:30 – 7:40 am

- Table #1 A thoracic-to-abdominal aortic bypass in a 9 year old with Williams syndrome - Morgan L. Brown, MD, PhD; Laura Downey, MD
- Table #2 Tonsillectomy in obese children: fools dare where angels fear to tread! - Hannah Tuckwell, MD; Olubukola O. Nafiu, MD, FRCA
- Table #3 Can you sedate this neonate, but please don't intubate - Arlyne K. Thung, MD; Joshua C. Uffman, MD
- Table #4 Why is the endtidal carbon dioxide 96 mmHg during one-lung ventilation in a two year old undergoing VATS for empyema? - Julie K. Drobish, MD; Uma Parekh, MBBS, FRCA
- Table #5 A 9 month old with tracheal obstruction requiring ECMO cannulation - Francis X. McGowan, MD; Gijo A. Alex, MD
- Table #6 Cardiac arrest in a child with aortic stenosis undergoing orthotopic liver transplantation - Polina Voronov, MD; Carmen Simion, MD
- Table #7 One last MRI in a recently adopted infant with hypotonia and seizures... Sweet! Or maybe not? - Megan Brockel, MD; Judit Szolnoki, MD, FAAP
- Table #8 "Why are you ruining my EP study?" - Michelle Schlunt, MD; Charles Lee, MD
- Table #9 Hypoplastic Ventricle, Hypertrophied Tonsils, Severe Apnea Hypopnea Index, What Next? - Dawn M. Sweeney, MD; John K. Schroeder, MD
- Table #10 This Heart Transplant Is Ruining My Appendectomy - Kristin Richards, MD; Laura Hastings, MD
- Table #11 A six year old girl with Trisomy 21, Moyamoya disease, and history of thyroid storm for total thyroidectomy - Jane Kugler, MD; Renata Miketic, MD
- Table #12 Pain Management in a terminal patient with pelvic osteosarcoma: systemic medication, neuraxial anesthesia, and ethical concerns - Anne T. Lunney, MD; Katherine Mazier, MD
- Table #13 Hyperkalemia in the preoperative period: assessment, management, and creating a framework for decision making - Charles Schrock, MD; Jacob Aubuchon, MD
- Table #14 Lost on the road less traveled - Managing the complications from a prior TEF Repair and a Challenging Airway - Christina D. Diaz, MD; Rose Campise Luther, MD, FAAP
- Table #15 Williams Syndrome Patient for Posterior Spinal Fusion with Profound Intraoperative, Refractory Hypotension - Juliane Lee, MD; Edwin Abraham, MD
- Table #16 Oxymetazoline-Induced Hypertension Complicated by Acute Pulmonary Edema in the PACU of an Ambulatory Surgery Center - Richard Cartabuke, MD; Thomas Taghon, DO

Saturday, March 14, 2015 • 6:50 – 8:00 am

- Table #17 Williams Syndrome AND severe OSA?! - Managing Cardiac Dysfunction in the MRI Suite - Kelly A. Machovec, MD, MPH; Warwick A. Ames, MBBS, FRCA
- Table #18 Rhythm and Blues: A case of a patient with corrected congenital heart disease presenting for post-tonsillectomy hemorrhage - Courtney A. Hardy, MD, FAAP; Justin B. Long, MD
- Table #19 Cardiac arrest following completion of posterior spinal fusion. A rare case of reflex anoxic seizures and its anesthetic implications - Gregory Schnepfer, MD; Cory Furse, MD
- Table #20 Don't mess this up! My son is finally seizure free on a ketogenic diet - Heike Gries, MD, PhD; Raquel Hernandez, MD
- Table #21 Whose body is it anyways? A minor's dilemma - Christine Trieu, MD; Ihab Ayad, MD
- Table #22 Management of Anesthesia for Bronchoscopic Removal of an Airway Foreign Body in a Fontan Patient - Alina Lazar, MD; Michael Hernandez, MD
- Table #23 The Distracted Anesthesiologist: It's a small world after all - Joyce Phillips, MD, FAAP; Jennifer Dillow, MD, FAAP
- Table #24 A Multimodal Pain Management Strategy for an Adolescent Undergoing Hemi-Pelvectomy for Malignancy - Priti Dalal, MD, FRCA; Shannon Grap, MD

Saturday, March 14, 2015 • 4:50 – 6:00 pm

- Table #25 Neonate, Can't Ventilate: Let Me Count the Ways, in a Child with TEF - Bishr Haydar, MD; Gregory B. Hammer, MD
- Table #26 Acute Autonomic Nervous System Dysfunction with Cardiac Decompensation in a child with dystonia after administering a short acting anticholinergic agent - Napoleon Burt, MD; Fay Jou, MD
- Table #27 Is there a doctor on board this flight? - Calvin Kuan, MD; Denise Chan, MD
- Table #28 Three month old infant with Blalock-Taussig shunt for Emergency Craniotomy - Jennie Ngai, MD; Pavithra Ranganathan, MD
- Table #29 Throat slashed: near complete tracheal laceration in 3-year-old boy. Is airway the only problem? - Steven Sivils, DO, MS; Pankaj Chhatbar, MD
- Table #30 Multimodal Analgesia and the Management of the Heroin Addicted Adolescent on Suboxone Maintenance Undergoing Posterior Spinal Fusion for Idiopathic Scoliosis - Wallis T. Muhly, MD; F. Wickham Kraemer, MD
- Table #31 Navigating the anesthetic challenges associated with evaluation and treatment of a child with newly discovered suprasystemic pulmonary hypertension - Rachel G. Clopton, MD; Richard J. Ing, MB, BCH, SCA (SA)
- Table #32 A Viral Illness, Congestive Heart Failure and a Road Show: Anesthetic Considerations for a Child with Constrictive Pericarditis - Inna Maranets, MD; Shu-Ming Wang, MD

Sunday, March 15, 2015 • 7:00 – 8:10 am

- Table #33 Cushing's Triad, a full stomach and a difficult airway- prioritizing concerns for induction - Diane Gordon, MD; Suzanne Numan, MD
- Table #34 Mitochondrial Disease: Navigating Clinical Uncertainties, Parental Misinformation and Urban Myths - Thomas Romanelli, MD; Aaron Broman, MD
- Table #35 "There is no crying in softball" - Chronic Upper Extremity Pain - Taran Sangari, MD; Sarah Tariq, MD
- Table #36 Anything's Possible in an Adult with Failing Fontan Physiology (especially at your local Children's Hospital!) - Premal M. Trivedi, MD; Rahul Bajjal, MD
- Table #37 Retrograde Coarctation in a Hybrid Stage 1 Hypoplastic Left Heart, Should I Be Concerned? - Cesar Rodriguez-Diaz, MD; Dirk Eggert-Doktor, MD
- Table #38 Pediatric Jehovah's Witness Patient with Shone's Complex and Mitral Stenosis and Pulmonary Hypertension Presenting for Posterior Spinal Fusion - Brian Blasiole, MD, PhD; Patrick M. Callahan, MD
- Table #39 The Vanishing Child: A Case of Discharge From Post-Anesthesia Care Unit (PACU) Against Medical Advice (AMA) - Jennifer L. Dearden, MD; Petra M. Meier Haran, MD
- Table #40 Myringotomy Tube Disaster – Internal Carotid Bypass in Pediatric Patient With Moyamoya Disease and Poor Circle of Willis Integrity - Anthony Koo, MD; Raj Singhal, MD
- Table #41 It's Just a Little Add-On! Airway Deviation from a Neck Mass in a Super Morbidly Obese Pediatric Patient - Kristen Labovsky, MD; Jaya Varadarajan, MD
- Table #42 Disaster in the cath lab! -- Preparedness and resource utilization for a routine intervention turned into an OR emergency - Meera Gangadharan, MBBS; Euleche Alanmanou, MD

CRNA Symposium PBLD #1 (Allied Health registrants only)
Hypokalemic periodic paralysis at the ambulatory surgery center
Paula Belson, CRNA and Sameh Nour, MD

CRNA Symposium PBLD #2 (Allied Health registrants only)
Global pediatric anesthesia and social justice
John Welch, CRNA and Craig McClain, MD

CRNA Symposium PBLD #3 (Allied Health registrants only)
Palliative procedures in patients with Do Not Resuscitate status – to Do or Not to Do
Heather Ballard, MD and Margaret Hartig, CRNA

WORKSHOPS

Space is limited. Register online at www.pedsanesthesia.org.

First fee listed is through 2/13/2015 and second is after 2/13/2015.

THURSDAY, MARCH 12, 2015		
TIME	TITLE	FEE
3:00 - 7:00 pm	Perioperative Pediatric Advanced Life Support Simulation (New for 2015!) – Harshad G Gurnaney, MBBS, MPH; Anita Honkanen, MD; Scott C. Watkins, MD <i>An additional 4-8 hours of online course work prior to the workshop will be required for PALS Certification.</i>	\$140/\$160 \$290/\$310 includes PALS Certification
4:30 - 6:30 pm	Integrating Acupuncture in Pediatric Perioperative Care and Pain Medicine Workshop – Yuan-Chi Lin, MD, MPH; Brenda Golianu, MD; Rosalie Tassone, MD, MPH; Cynthia Tung, MD, MPH; Shu-Ming Wang, MD	\$70/\$90
4:30 - 7:30 pm	Advanced Ultrasound Guided Regional Anesthesia – Senior Faculty: Santhanam Suresh, MD; Amod Sawardekar, MD; Adrian T. Bosenberg, MB, ChB, FFA; Arjunan Ganesh, MBBS; Benjamin J. Walker, MD. Junior Faculty: Tarun Bhalla, MD; Eric Kamenetsky, MD; Justin B. Long, MD; Kristin O. Spisak, MD; Vidya Yalamanchili, MD	\$240/\$275
FRIDAY, MARCH 13, 2015		
3:30 - 6:30 pm	Research Workshop – Jerome Parness, MD, PhD, FAAP; Richard J. Levy, MD; Olutoyin A. Olutoye, MD, FAAP; Caleb Ing, MD	\$50/\$70
3:30 - 6:30 pm	Advanced Techniques for Peripheral Vascular Access – Gregory J. Schears, MD; Andrea Dutoit, MD; Jorge A. Galvez, MD; Kendra Grim, MD; Dawit T. Haile, MD; Paul J. Fronapfel, MD; Scott D. Markowitz, MD, FAAP; Shannon Peters, MD; Kim Strupp, MD; Luis M. Zabala, MD	\$105/\$125
3:30 - 6:30 pm	Advanced Ultrasound Guided Regional Anesthesia – Senior Faculty: Santhanam Suresh, MD; Amod Sawardekar, MD; Adrian T. Bosenberg, MB, ChB, FFA; Arjunan Ganesh, MBBS; Benjamin J. Walker, MD. Junior Faculty: Karen R. Boretsky, MD; Denise M. Hall-Burton, MD; Nishanthi Kandiah, MD; Madhankumar Sathyamoorthy, MD; Nicholas R. Wasson, MD	\$240/\$275
3:30 - 6:30 pm	Transthoracic Echocardiography (TTE) – Thomas Burch, MD; James DiNardo, MD; Wanda C. Miller-Hance, MD	\$105/\$125
3:30 - 6:30 pm	Difficult Pediatric Airway – Paul A. Stricker, MD; Olga Albert, MD; John Fiadjo, MD; Todd J. Kilbaugh, MD; Justin L. Lockman, MD; Jennifer Lam, DO; John J. McCloskey, MD; Patrick Olomu, MD, FRCA; Raymond Park, MD; Amish Patel, MD; Thomas L. Shaw, MD; Jennifer Zeig, MD	\$105/\$125
SATURDAY, MARCH 14, 2015		
3:00 - 5:00 pm	Evidence-Based Investing & Financial Planning – Charles P. Boinske, CFA; Chuck Korger; Beth Gavin	\$70/\$90
3:00 - 5:00 pm	How to Design and Moderate an Effective PBLD – Kirk Lalwani, MD, FRCA, MCR; Nancy L. Glass, MD, MBA, FAAP	\$25
3:00 - 5:00 pm	Mock Trial – Robert Greenberg, MD; Eric Jackson, MD, MBA; Brian Wilhelm, MD, JD	\$70/\$90
3:00 - 5:00 pm	Fetal Interventions: Coming to a Center Near You (NEW for 2015!) – Debnath Chatterjee, MD; Anne C. Boat, MD; Marla Ferschel, MD; Olutoyin A. Olutoye, MD, FAAP; Kha M. Tran, MD	\$70/\$90
3:00 - 5:00 pm	Disclosure of Adverse Events (NEW for 2015!) – Herodotos Ellinas, MD; Veronica Carullo, MD, FAAP; R. Scott Dingeman, MD, FAAP; Teresa Roberts, MD; Lianne Stephenson, MD	\$70/\$90
3:00 - 6:00 pm	Difficult Pediatric Airway Pete G. Kovatis, MD; Ellen Choi, MD; Oleg Drozhinin, MD; Cheryl K. Gooden, MD, FAAP; Agnes I. Hunyady, MD; Narasimham Jagannathan, MD; Maria Matuszczak, MD; David Polaner, MD; Peter M. Popic, MD; Lisa Sohn, MD; Peter Szmuk, MD; Judit Szolnoki, MD, FAAP; Christopher G. Ward, MD	\$105/\$125
3:00 - 6:00 pm	Transesophageal Echo (TEE) – Thomas Burch, MD; James DiNardo, MD; Wanda C. Miller-Hance, MD	\$105/\$125
SUNDAY, MARCH 15, 2015		
11:30 am - 7:00 pm	MOCA Simulation @ SPA (New for 2015) – Dolores B. Njoku, MD; Shivani K. Patel, MD; Rahul Koka, MD, MPH; Deepa Kattail, MD; Joanne E. Shay, MD, MBA; Sally Bitzer, MD; Devika Singh, MD; Harshad G. Gurnaney, MBBS, MPH; Justin L. Lockman, MD, FAAP; Ellen Deutsch, MD, MS, FACS, FAAP; Pravin A. Taneja, MD; Robert P. Brislin, DO; James R. Eiszner, MD; Aditee Ambardekar, MD; Marco Corridore, MD (<i>Lunch is Included.</i>)	\$1,500 Limited to 16 participants

NEW WORKSHOPS IN 2015!

Perioperative Pediatric Advanced Life Support Simulation
Thursday, March 12, 2015
3:00-7:00 pm

Content tailored to events unique to the pediatric patient: Emergencies of cardiac, pulmonary, neurologic, metabolic, endocrine and/or toxin origin PALS Certification for an additional fee.

Fetal Interventions: Coming to a Center Near You
Saturday, March 14, 2015
3:00-5:00 pm

An overview of the structure of successful maternal fetal programs, emphasizing the role of the anesthesiologist in the approach to these complex cases.

Disclosure of Adverse Events
Saturday, March 14, 2015
3:00-5:00 pm

Designed to allow participants a place for discussion and simulation of adverse events. Benefits and elements of disclosure; discussion about barriers; and communications strategies

MOCA Simulation @ SPA
Sunday, March 15, 2015
11:30 am – 7:00 pm

The current Part 4 requirement is completion of both a Case Evaluation and Simulation Course during the 10-year MOCA cycle. Successful Completion of the MOCA Simulation Activity at SPA will fulfill one of the required Part 4 activities.

LEARNING OBJECTIVES

Program Objectives

FRIDAY, MARCH 13, 2015

Session I: Pharmacogenomics

Pharmacogenomics and the Transformation of Practice

Bruce Carleton, PharmD

Upon completion of this session, the participant will be able to:

- Cite the areas in which pharmacogenomics have applications at the bedside.
- Identify ways pharmacogenomics are transforming practical clinical drug use strategies.
- List the barriers that remain to the advancement of this bench to bedside care.

Pharmacogenomics and Malignant Hyperthermia

Lena Sun, MD

Upon completion of this session, the participant will be able to:

- Describe the phenotypes of MH susceptibility
- Discuss what is known regarding the genetics of malignant hyperthermia susceptibility
- Describe the molecular genetic testing used in malignant hyperthermia and genetic counseling regarding MH susceptibility.

Analgesics and the Effects of Pharmacogenomics

Mindy N. Cohen, MD

Upon completion of this session, the participant will be able to:

- Review genetic variations that influence analgesic pharmacotherapy in children.
- Identify the most common polymorphisms in drug-metabolizing enzymes that influence analgesics.
- Describe strategies for modifying analgesic regimens based on pharmacogenomics.

Session II: Surgical Home

Pediatric Perioperative Surgical Home

Mike P. Schweitzer, MD, MBA

Upon completion of this session, the participant will be able to:

- Recognize the need for the Pediatric PSH.
- Define the Perioperative Surgical Home.
- Understand the progress of the PSH Learning Collaborative.
- Describe the unique characteristics of a Pediatric PSH.

Session III: AAP Session

AAP Advocacy Lecture: The Patient Advocacy Reporting System and Behaviors that Undermine a Culture of Safety

Gerald B. Hickson, MD

Upon completion of this session, the participant will be able to:

- Discuss the relationships between behaviors that undermine a culture of safety and suboptimal outcomes.
- Identify a range of behaviors that undermine a culture of safety and describe a "professional accountability pyramid."
- Articulate the essential elements of an organizational infrastructure for addressing behaviors that undermine a culture of safety.

Session IV: Obstructive Sleep Apnea Panel

The Risks of OSA in Children

Charles J. Coté, MD, FAAP

Upon completion of this session, the participant will be able to:

- Understand the relationship of OSA with obesity.
- Understand that there are ethnicity related factors.

- Understand that deaths from OSA associated apnea have occurred in PACU, the ward, and at home within 24 hours of their tonsillectomy.

OSA & Opioid Sensitivity

Karen Brown, MD

Upon completion of this session, the participant will be able to:

- Discuss the evidence linking severe OSA to opioid sensitivity.
- Formulate an anesthetic plan to mitigate the risk for PRAEs following adenotonsillectomy in children with severe OSA.

OSA – A Surgeon's Perspective

Glenn E. Green, MD

Upon completion of this session, the participant will be able to:

- Recognize different types of obstruction that can cause OSA.
- Understand how sleep endoscopy can help with identifying the level of obstruction.
- Identify differing surgical approaches to OSA.

Session V: Refresher Courses

REFRESHER COURSE: Physician Wellbeing

Haleh Saadat, MD

Upon completion of this session, the participant will be able to:

- Review the concepts; challenge, stress and resilience.
- Recognize the common sources of stress in Anesthesiologists.
- Describe the physiological and psychological impact of stress on Anesthesiologists.
- Define the second victim phenomenon.
- Examine the implications of physician's burnout on the current health care system.
- Review the preventive measures and strategies to increase resiliency.

REFRESHER COURSE: Perioperative Management of the Neonate

Julie J. Niezgod, MD

Upon completion of this session, the participant will be able to:

- Understand the essential cardiovascular, pulmonary, CNS, fluid homeostasis, renal, and hepatic, physiological differences in the neonate.
- Recognize how these differences impact the anesthetic care for the neonate.
- Discuss safe anesthetic approaches to reduce the risk for this unique patient population.

SATURDAY, MARCH 14, 2015

Session I: Outcome Data in Pediatric Anesthesia - How will it affect your practice today?

Database of Fetal Intervention Database

Debnath Chatterjee, MD

Upon completion of this session, the participant will be able to:

- Describe the mission of the North American Fetal Therapy Network.
- Compare treatment strategies for twin-to-twin transfusion syndrome.
- Evaluate outcomes after prenatal repair of myelomeningocele.
- Describe newer prenatal therapeutic options for congenital diaphragmatic hernia.

The Pediatric Craniofacial Surgery Perioperative Registry

Paul A. Stricker, MD

Upon completion of this session, the participant will be able to:

- Discuss why a multicenter registry is well suited for the pediatric craniofacial surgery population
- Discuss the use of multicenter aggregate data to inform quality improvement in pediatric craniofacial surgery
- Review limitations of observational registry datasets

LEARNING OBJECTIVES

Difficult Airway Database

John Fiadjoe, MD

Upon completion of this session, the participant will be able to:

- Understand the Goals of the pediatric Difficult Airway Collaborative Group.
- Describe the current landscape of difficult airway practice across the participating institutions.
- Identify the common complications of difficult airway management.
- Understand how to participate in the Multicenter Airway Registry.

Session III: AAP Ask the Experts Panel

Neurodevelopmental Outcomes After Cardiac Surgery

Dean B. Andropoulos, MD, MHCM

Upon completion of this session, the participant will be able to:

- Describe some of the major risk factors for neurodevelopmental outcome problems in patients with congenital heart disease.
- Discuss the role of anesthetic drugs and doses in neurodevelopmental outcomes.
- Explore research approaches to alternative anesthetic strategies that could affect neurodevelopmental outcomes.

High Risk Cardiac Lesions for Non-cardiac Surgery-Williams, Pulm HTN, Sinusoids-Oh My!

Annette Y. Schure, MD

Upon completion of this session, the participant will be able to:

- Describe the cardiac pathophysiology and anesthetic concerns for patients with Williams Syndrome.
- Discuss the preoperative evaluation and anesthetic management of patients with pulmonary hypertension.
- Understand the treatment strategies for cardiac patients with sinusoids and the anesthetic implications for non-cardiac surgery.

Session IV: Emerging Surgical Technologies

Nanotechnology & Anesthesiology

Sujatha Kannan, MD

Upon completion of this session, the participant will be able to:

- Recognize the need for nanotechnology systems in neonatal and pediatric brain injury.
- Distinguish and differentiate various nanoparticle platforms with potential for diagnostic and therapeutic applications in CNS disorders.
- Design appropriate nanotherapeutics based on the underlying pathology in developmental brain injuries.
- Evaluate current nanotechnology based approaches for pediatric neuroscience applications.

Open vs. Endoscopic Craniosynostosis Repair

Petra Meier, MD, DEAA

Upon completion of this session, the participant will be able to:

- Identify different types and etiologies of craniosynostosis.
- Recognize the evolution in treatment options for the condition, with the current role of minimal invasive endoscopic surgery.
- Compare and contrast anesthesia implications, risks and benefits associated with various treatment options.

3D Printing and Beyond: New Techniques in Airway Surgery

Glenn E. Green, MD; Paul I. Reynolds, MD, FAAP

Upon completion of this session, the participant will be able to:

- Understand anesthetic considerations in an infant with laryngeal, tracheal and/or bronchomalacia.
- Understand anesthetic management in infants undergoing 3D printed tracheal/bronchial stents on and off cardiopulmonary bypass.
- Describe what additive manufacturing is and its advantages over traditional manufacturing.

- Understand how 3D printing can be used for preoperative planning for patients with airway obstruction.
- Identify how 3D printing can be used for personalized medicine in patients with airway obstruction.

SUNDAY, MARCH 15, 2015

CRNA Symposium

Safety and Quality in Pediatric Anesthesia: Building Blocks

Tetsu Uejima, MD

Upon completion of this session, the participant will be able to:

- Recognize the differences between patient safety, quality assurance and quality improvement.
- Understand the importance of data collection and reporting in patient safety and quality.
- Understand why focusing on systems and processes is so important.
- Identify ways in which individual practitioner data can drive quality improvement.

The Intraoperative Respiratory Care of Premature Infants: Potential Risks and Practice Considerations

Eileen Griffin, CRNA

Upon completion of this session, the participant will be able to:

- Recognize potential risks associated with the respiratory care of premature infants including atelectrauma, volutrauma and barotrauma.
- Demonstrate an understanding of the risks associated with increased FiO₂ delivery including retinopathy of prematurity and chronic lung disease.
- Understand the measures incorporated in the anesthetic care of premature infants in order to optimize respiratory care as developed as part of a quality improvement project.

Anesthesia Considerations for Dynamic Airway Evaluation

Mohamed A. Mahmoud, MD

Upon completion of this session, the participant will be able to:

- Understand the elements of successful Cine MRI and drug induced sleep endoscopy (DISE) techniques used to assess the sites of upper airway collapse in children with history of OSA.
- Describe anesthetic challenges in children presented for dynamic upper airway evaluation under anesthesia.
- Review recent studies investigating the effect of varying anesthetic agents on upper airway collapsibility.
- Understand the applications of dexmedetomidine for potential airway catastrophe.

The Management of Massive Blood Loss and Resuscitation during Redo Sternotomy in a Patient Supported with a Ventricular Assist Device

Elyse Parchmont, CRNA

Upon completion of this session, the participant will be able to:

- Address preoperative concerns and make effective preparations for caring for the patient with a VAD at risk for massive blood loss.
- Discuss the assessment and required communication and intervention in the exsanguinating patient with a VAD.
- Recognize the endpoints for volume and blood product administration, including laboratory study and monitor data.
- Understand the complications of massive blood loss and transfusion in this setting.

LEARNING OBJECTIVES

Session I: Professionalism Panel

Promoting Leadership and Professionalism

Linda Mason, MD

Upon completion of this session, the participant will be able to:

- Define the skills that are necessary to advance in leadership roles in professional societies and within medical staff organizations.
- Explain experiences and training that are valuable to assure these leadership roles.

Goals for Accomplishments in the First Ten Years of Practice

Jennifer P. Aunspaugh, MD

Upon completion of this session, the participant will be able to:

- Understand the importance of acquiring an effective mentor.
- Be able to set priorities in order to establish a healthy work/life balance.
- Become knowledgeable of the steps to networking and evolving as an educator and/or leader in our specialty.

Preparing for the Last Ten Years of Practice: Reflections from the Experienced

Gregory B. Hammer, MD; George A. Gregory, MD, FAAP; Anne Lynn, MD; Aubrey Maze, MD

Upon completion of this session, the participant will be able to:

- Understand the importance of financial planning in the context of increasing longevity pursuant to retirement age.
- Recognize data relating to skills of learning and exercising judgment as we age.
- Understand how other well-respected pediatric anesthesiologists have navigated the decision-making processes related to retirement.

Session II: Family Feud

Stuart R. Hall, MD; Sam Wald, MD, MBA; Christina D. Diaz, MD; Jennifer Dillow, MD, FAAP; Judith L. Handley, MD; Olubukola O. Nafiu, MD, FRCA; Michael E. Nemerlut, MD; David H. Pae, MD

Upon completion of this session, the participant will be able to:

- Review current controversies and practice pathways in a variety of practice settings.

Workshop Objectives

THURSDAY, MARCH 12, 2015

Perioperative Pediatric Advanced Life Support Simulation

Harshad G Gurnaney, MBBS, MPH; Anita Honkanen, MD; Scott C Watkins, MD

Upon completion of this workshop, the participant will be able to:

- Discuss the current AHA PALS update;
- Discuss important considerations for PALS in the perioperative setting;
- Describe the proper management of several high stakes perioperative events with differences from standard PALS;
- Demonstrate team-based management of several simulated pediatric perioperative emergency scenarios;
- Discuss the role of emergency manuals in this setting and practice using the SPA crisis manual in simulation.

Integrating Acupuncture in Pediatric Perioperative Care and Pain Medicine Workshop

Yuan-Chi Lin, MD, MPH; Breda Golianu, MD; Rosalie Tassone, MD, MPH; Cynthia Tung, MD, MPH; Shu-Ming Wang, MD

Upon completion of this workshop, participants will:

- Enhance their knowledge of acupuncture and have an opportunity to integrate acupuncture for the practice of pediatric pain medicine.
- Learn the history and theory of acupuncture
- Understand the scientific evidence of acupuncture practice

- Evaluate acupuncture micro-system paradigms
- Incorporate acupuncture in pediatric perioperative care and pediatric pain practice
- Participate in hands-on demonstration of acupuncture and related techniques.

Advanced Ultrasound Guided Regional Anesthesia

Senior Faculty: Santhanam Suresh, MD; Amod Sawardear, MD; Adrian T. Bosenberg, MD, ChB, FFA; Arjunan Ganesh, MBBS; Benjamin J. Walker, MD. Junior Faculty: Tarun Bhalla, MD; Eric Kamenetsky, MD; Justin B. Long, MD; Kristin O. Spisak, MD; Yidya Yalamanchili, MD

Upon completion of this low faculty-to-attendee ratio workshop, the participant will have an understanding of:

- Basic functions of the Ultrasound and probes.
- Differentiation machine settings for various age groups.
- Anatomy using Ultrasound guidance of all peripheral nerve blocks including upper and lower extremity, truncal, and central neuraxial blocks.
- Scanning and performing the most common peripheral nerve and central neuraxial blocks utilized in pediatric anesthesia practice.

FRIDAY, MARCH 13, 2015

Pediatric Anesthesia Research: Raising the Bar

Jerome Parness, MD, PhD; Richard J. Levy, MD; Olutoyin Olutoye MD, FAAP; Caleb Ing, MD

Upon completion of this workshop, the participant will be able to:

- Choose a mentor.
- Choose a research topic – basic science vs. clinical research.
- Negotiate with funding agencies.
- Describe strategies for starting and maintaining a research career.

Advanced Techniques for Peripheral Vascular Access

Gregory J. Schears, MD; Andrea Dutoit, MD; Jorge A. Galvez, MD; Kendra Grim, MD; Dawit T. Haile, MD; Paul J. Fronapfel, MD; Jessica Lorenz, MD; Scott D. Markowitz, MD, FAAP; Shannon Peters, MD; Kim Strupp, MD; Luis M. Zabala, MD

Upon completion of this workshop, the participant will be able to:

- Demonstrate and practice the use of ultrasound to obtain peripheral venous access.
- Demonstrate and practice the use of intra-osseous catheters to obtain emergent vascular access.
- Identify the potential advantages of near infra-red technology to optimize peripheral venous access.

Advanced Ultrasound Guided Regional Anesthesia

Senior Faculty: Santhanam Suresh, MD; Amod Sawardear, MD; Adrian T. Bosenberg, MD, ChB, FFA; Arjunan Ganesh, MBBS; Benjamin J. Walker, MD. Junior Faculty: Karen R. Boretsky, MD; Denise M. Hall-Burton, MD; Nishanthi Kandiah, MD; Madhankumar Sathyamoorthy, MD; Nicholas R. Wasson, MD

Upon completion of this low faculty-to-attendee ratio workshop, the participant will have an understanding of:

- Basic functions of the Ultrasound and probes.
- Differentiation machine settings for various age groups.
- Anatomy using Ultrasound guidance of all peripheral nerve blocks including upper and lower extremity, truncal, and central neuraxial blocks.
- Scanning and performing the most common peripheral nerve and central neuraxial blocks utilized in pediatric anesthesia practice.

Transthoracic Echocardiography (TTE)

Thomas Burch, MD; James DiNardo, MD; Wanda C. Miller-Hance, MD

Upon completion of this workshop, the participant will be able to:

- Accurately interpret the results of a pediatric TTE as described by pediatric cardiology.
- Understand the mechanics of conducting a basic focused TTE examination
- Recognize major cardiac anatomical structures, assess ventricular systolic function, and assess volume status utilizing TTE.

LEARNING OBJECTIVES

Difficult Pediatric Airway

Paul A. Stricker, MD; Olga Albert, MD; John Fiadjo, MD; Todd J. Kilbaugh, MD; Justin L. Lockman, MD; Jennifer Lam, DO; John J. McCloskey, MD; Patrick Olomu, MD, FRCA; Amish Patel, MD; Thomas L. Shaw, MD; Bistra G. Vlassakova, MD; Jennifer Zeig, MD

Upon completion of this workshop, the participant will gain:

- Recognition of situations and pediatric syndromes in which alternative methods for securing the airway may be necessary.
- An understanding of the development of a systematic anatomic and physiologic approach to the assessment of the difficult airway and to planning airway management.
- An understanding of the availability of new devices and technologies for securing the airway and what their indications and limitations are.
- Hands-on experience with devices and technologies useful for securing the airway.

SATURDAY, MARCH 14, 2015

Evidence-Based Investing & Financial Planning

Charles Boinske, CPA; Charles Koger; Beth Gavin

Upon completion of this workshop, the participant will be able to:

- Use the 12 essential ideas of Evidence Based Investing to build wealth wisely.
- Use Evidence Based Investing to achieve their financial goals by avoiding common investment mistakes that can derail even the best plan.
- Use Evidence Based Investing to both prepare for retirement and manage their income needs in retirement.
- Be a more discerning consumer of financial news and investment recommendations.

How to Design and Moderate an Effective PBLD

Kirk Lalwani, MD, FRCA, MCR; Nancy L. Glass, MD, MBA, FAAP

Upon completion of this workshop, participants will be able to:

- State the rationale for case-based group learning.
- Recognize the characteristics of a case suitable for discussion.
- Be able to differentiate between a case appropriate for a Medically Challenging Case and a PBLD.
- Take a brief stem and develop a PBLD suitable for the designated audience.
- Compile a set of Best Practices for leading an inclusive, robust discussion.

Mock Trial

Robert Greenberg, MD; Eric Jackson, MD, MBA; Brian Wilhelmi, MD, JD

Upon completion of the workshop, the participant will be able to:

- Describe the integral concepts and legal strategies inherent to medical malpractice cases.
- Understand the benefits of disclosure and avoidance of malpractice claims.
- Describe those qualities that make an ideal witness in a medical malpractice case.
- Discuss preparation techniques for a deposition or trial testimony.

Fetal Interventions: Coming to a Center Near You

Debnath Chatterjee, MD; Anne C. Boat, MD; Olutoyin A. Olutoye, MD, M.Sc., FAAP; Mark D. Rollins, MD; Kha M. Tran, MD

Upon completion of the workshop, the participant will be able to:

- Compare the organizational structure of successful maternal fetal programs in the United States.
- Discuss the role of the anesthesiologist in the multidisciplinary approach to the fetal patient.
- Describe anesthetic techniques for common minimally invasive and fetoscopic interventions.
- Summarize key anesthetic considerations during EXIT procedures and open fetal surgery.
- Recognize maternal complications during fetal interventions and describe their management.

Disclosure of Adverse Events

Herodotos Ellinas, MD; Veronica Carullo, MD, FAAP; R. Scott Dingeman, MD, FAAP; Teresa Roberts, MD; Lianne Stephenson, MD

Upon completion of the workshop, the participant will be able to:

- Identify benefits of disclosure
- List the elements of disclosure and identify barriers
- Characterize important communications strategies and use them to practice effective disclosure

Difficult Pediatric Airway

Pete G. Kovatis, MD; Ellen Choi, MD; Oleg Drozhinin, MD; Cheryl K. Gooden, MD, FAAP; Agnes I. Hunyady, MD; Narasimham Jagannathan, MD; Maria Matuszczak, MD; David Polaner, MD; Peter M. Popic, MD; Lisa Sohn, MD; Peter Szmuk, MD; Judit Szolnoki, MD, FAAP; Christopher G. Ward, MD

Upon completion of this workshop, the participant will gain:

- Recognition of situations and pediatric syndromes in which alternative methods for securing the airway may be necessary.
- An understanding of the development of a systematic anatomic and physiologic approach to the assessment of the difficult airway and to planning airway management.
- An understanding of the availability of new devices and technologies for securing the airway and what their indications and limitations are.
- Hands-on experience with devices and technologies useful for securing the airway.

Transesophageal Echo (TEE)

Thomas Burch, MD; James DiNardo, MD; Wanda C. Miller-Hance, MD

Upon completion of these workshops, the participant will:

- Understand the mechanics of conducting a basic TEE exam.
- Understand the principles necessary to conduct a comprehensive exam in patients with complex congenital heart disease.

SUNDAY, MARCH 15, 2015

MOCA Simulation @ SPA

Dolores B. Njoku, MD; Shivani K. Patel, MD; Rahul Koka, MD, MPH; Deepa Kattail, MD; Joanne E. Shay, MD, MBA; Sally Bitzer, MD; Devika Singh, MD; Harshad G. Gurnarney, MBBS, MPH; Justin L. Lockman, MD, FAAP; Ellen Deutsch, MD, MS, FACS, FAAP; Pravin A. Taneja, MD; Robert P. Brislin, DO; James R. Eiszner, MD; Aditee Ambardekar, MD; Marco Corridore, MD

Upon the completion of this course, the participant will be able to:

- Offer a contextual learning opportunity to assess and improve their practice in areas such as crisis management in a simulation setting at an ASA-endorsed activity.
- Realistically recreate challenging clinical cases to allow participants to problem-solve in a manner that is similar to actual clinical experience
- Offer an opportunity for physicians to improve their skills in Practice-Based Learning and Improvement

PBLD Objectives

Problem-based learning discussions will offer the opportunity for group discussion with faculty and other attendees of common clinical problems. The format will highlight aspects of clinical decision-making including preoperative evaluation and preparation, anesthetic induction and intra-operative management and possible intra- and postoperative pain and other management dilemmas.

Society for Pediatric Anesthesia



education • research • patient safety

2209 Dickens Road
Richmond, VA 23230-2005

Non-Profit Org.
U.S. Postage
PAID
Permit No. 2929
Richmond, VA

PEDIATRIC ANESTHESIOLOGY

2015

A meeting co-sponsored by the Society for Pediatric Anesthesia and the American Academy of Pediatrics Section on Anesthesiology and Pain Medicine

MARCH 13 - 15, 2015
Arizona Biltmore • Phoenix, AZ

Society for Pediatric Anesthesia



education • research • patient safety