PEDIATRIC ANESTHESIOLOGY

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
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 Fiadjo (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 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 anesthesia 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®.
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<td>Nationwide Children's Hospital OSU Wexner Medical Center</td>
<td>Columbus, OH</td>
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<tr>
<td>Jaya Varadarajnan, MD</td>
<td>Children's Hospital of Wisconsin</td>
<td>Milwaukee, WI</td>
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<tr>
<td>Susan Verghese, MD</td>
<td>Children's National Medical Center</td>
<td>Washington, DC</td>
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<td>Terri Voepel-Lewis, PhD, RN</td>
<td>CS Mott Children's Hospital</td>
<td>University of Michigan</td>
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<tr>
<td>Polina Voronov, MD</td>
<td>University of Illinois in Chicago</td>
<td>Chicago, IL</td>
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<tr>
<td>Samuel Wald, MD, MBA</td>
<td>Lucile Packard Children's Hospital</td>
<td>Stanford University</td>
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<td>Benjamin J. Walker, MD</td>
<td>University of Wisconsin Hospitals</td>
<td>Madison, WI</td>
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<td>Shu-Ming Wang, MD</td>
<td>University of Connecticut School of Medicine</td>
<td>Farmington, CT</td>
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<tr>
<td>Christopher G. Ward, MD</td>
<td>The Children's Hospital of Philadelphia</td>
<td>Philadelphia, PA</td>
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<td>Nicholas R. Wasson, MD</td>
<td>Ann &amp; Robert H. Lurie Children's Hospital</td>
<td>Chicago, IL</td>
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<td>Mehernoor F. Watcha, MD</td>
<td>Nationwide Children's Hospital</td>
<td>Houston, TX</td>
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<tr>
<td>Scott C. Watkins, MD</td>
<td>Vanderbilt University Medical Center</td>
<td>Nashville, TN</td>
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<tr>
<td>John Welch, CRNA</td>
<td>Boston Children's Hospital</td>
<td>Boston, MA</td>
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<tr>
<td>Brian Wilhelmi, MD, JD</td>
<td>Valley Anesthesiology Consultants, Ltd.</td>
<td>Phoenix, AZ</td>
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<tr>
<td>Vidya Yalamanchili, MD</td>
<td>Children's Medical Center</td>
<td>Dallas, TX</td>
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<tr>
<td>Jennifer Zeig, MD</td>
<td>Children's Hospital Colorado</td>
<td>Aurora, CO</td>
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**FACULTY**

**PEDIATRIC ANESTHESIOLOGY 2015**
**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)
8:00 am – 4:00 pm  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](http://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](http://www.pedsanesthesia.org).
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; Senthikumar 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
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  
Patra 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.)
Monday, 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 Tarig, 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 Baijal, 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 Paediatric Jehovah’s Witness Patient with Shone’s Complex and Mitral Stenosis and Pulmonary Hypertension Presenting for Posterior Spinal Fusion - Brian Bisiolesi, 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 - Heike Gries, MD, PhD; Raquel Hernandez, MD

Table #41 It's Just a Little Add-On!  Airway Deviation from a Neck Mass in a Super Morbidly Obese Pediatric Patient - Meera Gangadharan, MD; Jennifer L. Dearden, MD; Meera Gangadhara, MBBS, Frca

Table #42 Disaster in the cath lab! -- Preparedness and resource utilization for a hypokalemic periodic paralysis at the ambulatory surgery center - Jamie A. Ayad, MD; Raj Singhal, MD

Table #43 Is there a doctor on board this flight? - Calvin Kuan, MD; Denise Chan, MD

Table #44 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 #45 Is there a doctor on board this flight? - Calvin Kuan, MD; Denise Chan, MD

Table #46 Neonate, Can’t Ventilate: Let Me Count the Ways, in a Child with TEF - Bishr Haydar, MD, Gregory B. Hammer, MD

Table #47 Three month old infant with Blalock-Tausig shunt for Emergency Craniootomy - Jennie Nga, MD; Pavithra Ranganathan, MD

Table #48 Throat slashed: near complete tracheal laceration in 3-year-old boy. Is airway the only problem? - Steven Silvis, DO, MS; Panikaj Chhattar, MD

Table #49 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 #50 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 #51 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

Table #52 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

Table #53 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

Table #54 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
### THURSDAY, MARCH 12, 2015

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<tr>
<th>TIME</th>
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<tbody>
<tr>
<td>3:00 - 7:00 pm</td>
<td>Perioperative Pediatric Advanced Life Support Simulation (New for 2015!) – Harshad G Gumaneey, MBBS, MPH; Anita Honkanen, MD; Scott C. Watkins, MD</td>
<td>$140/$160 $290/$310 includes PALS Certification</td>
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<td></td>
<td>An additional 4-8 hours of online course work prior to the workshop will be required for PALS Certification.</td>
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<tr>
<td>4:30 - 6:30 pm</td>
<td>Integrating Acupuncture in Pediatric Perioperative Care and Pain Medicine Workshop – Yuan-Chi Lin, MD, MPH; Brenda Golanu, MD; Rosalie Tassone, MD, MPH; Cynthia Tung, MD, MPH; Shu-Ming Wang, MD</td>
<td>$70/$90</td>
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<tr>
<td>4:30 - 7:30 pm</td>
<td>Advanced Ultrasound Guided Regional Anesthesia – Senior Faculty: Santhanan 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</td>
<td>$240/$275</td>
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### FRIDAY, MARCH 13, 2015

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<tr>
<td>3:00 - 6:30 pm</td>
<td>Research Workshop – Jerome Parness, MD, PhD, FAAP; Richard J. Levy, MD; Olutoyin A. Olutoye, MD, FAAP; Caleb Ing, MD</td>
<td>$50/$70</td>
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<td>3:30 - 6:30 pm</td>
<td>Advanced Techniques for Peripheral Vascular Access – Gregory J. Scheers, MD; Andrea Duttool, MD; Jorge A. Galvez, MD; Kendra Grim, MD; Dawiti T. Haile, MD; Paul J. Fronaplet, MD; Scott D. Markowitz, MD, FAAP; Shannon Peters, MD; Kim Strupp, MD; Luis M. Zabala, MD</td>
<td>$105/$125</td>
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<td>3:30 - 6:30 pm</td>
<td>Advanced Ultrasound Guided Regional Anesthesia – Senior Faculty: Santhanan 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</td>
<td>$240/$275</td>
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<td>3:30 - 6:30 pm</td>
<td>Transsthoracic Echocardiography (TEE) – Thomas Burch, MD; James DiNardo, MD; Wanda C. Miller-Hance, MD</td>
<td>$105/$125</td>
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<td>3:30 - 6:30 pm</td>
<td>Difficult Pediatric Airway – Paul A. Stricker, MD; Olga Albert, MD; John Fjadjoe, MD; Todd J. Kilbaugh, MD; Justin L. Lockman, MD; Jennifer Lam, DO; John J. McCloskey, MD; Patrick Olomu, MD; Amish Patel, MD; Thomas L. Shaw, MD; Jennifer Zeig, MD</td>
<td>$105/$125</td>
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### SATURDAY, MARCH 14, 2015

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<tr>
<td>3:00 - 5:00 pm</td>
<td>Evidence-Based Investing &amp; Financial Planning – Charles P. Boinske, CFA; Chuck Korge, Beth Gavin</td>
<td>$70/$90</td>
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<td>3:00 - 5:00 pm</td>
<td>How to Design and Moderate an Effective PBLD – Kirk Laiwani, MD, FRCA, MCR; Nancy L. Glass, MD, MBA, FAAP</td>
<td>$25</td>
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<td>3:00 - 5:00 pm</td>
<td>Mock Trial – Robert Greenberg, MD; Eric Jackson, MD, MBA; Brian Wilhelm, MD, JD</td>
<td>$70/$90</td>
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<td>3:00 - 5:00 pm</td>
<td>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</td>
<td>$70/$90</td>
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<td>3:00 - 5:00 pm</td>
<td>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</td>
<td>$70/$90</td>
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<tr>
<td>3:00 - 6:00 pm</td>
<td>Difficult Pediatric Airway – Pete G. Kovats, MD; Ellen Choi, MD; Oleg Drozhchin, 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</td>
<td>$105/$125</td>
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<tr>
<td>3:00 - 6:00 pm</td>
<td>Transesophageal Echo (TEE) – Thomas Burch, MD; James DiNardo, MD; Wanda C. Miller-Hance, MD</td>
<td>$105/$125</td>
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### SUNDAY, MARCH 15, 2015

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<tr>
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<tr>
<td>11:30 am - 7:00 pm</td>
<td>MOCA Simulation @ SPA (New for 2015) – Dolores B. Njoku, MD; Shivani K. Patel, MD; Rahul Koka, MD, MPH; Deepa Kattil, MD; Joanne E. Shay, MD, MBA; Sally Bitzer, MD; Devika Singh, MD; Harshad G Gumaneey, 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; Adiltee Ambarekdekar, MD; Marco Corridore, MD (Lunch is Included.)</td>
<td>$1,500 Limited to 16 participants</td>
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### 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.
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.

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. Niezgoda, 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:
- Understand that deaths from OSA associated apnea have occurred in PACU, the ward, and at home within 24 hours of their tonsillectomy.
- Discuss safe anesthetic approaches to reduce the risk for this unique patient population.
- Identify differing surgical approaches to OSA.
- Formulate an anesthetic plan to mitigate the risk for PRAEs following adenotonsillectomy in children with severe OSA.
- Understand that there are ethnicity related factors.
- Identify differing surgical approaches to OSA.
- Formulate an anesthetic plan to mitigate the risk for PRAEs following adenotonsillectomy in children with severe OSA.
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 anesthetic 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.

**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 Parnas, 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.
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. Avnuphaugh, 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. Nemergut, 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 Gurbaney, 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 Gollanu, 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 Sawaiedar, 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; 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 Sawaiedar, 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

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.

Thoracic Echocardiography (TEE)
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 Fiadjoe, 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. Vlissakova, 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**
Herodatos 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. Kovatsi, MD; Ellen Choi, MD; Oleg Drozhin, MD; Cheryl K. Gooden, MD, FAAP; Agnes I. Hunyady, MD; Narasimham Jagannathan, MD; Maria Matousczak, MD; David Polander, MD; Peter M. Popic, MD; Lisa Sohn, MD; Peter Szmun, 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.

**Transthoracic 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 Blitzer, MD; Devika Singh, MD; Harshad G. Gurnarme, 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 Coridore, MD

Upon 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.
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
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