

# 2010 ★ PEDIATRIC ANESTHESIOLOGY

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



APRIL 15 - 18, 2010 • THE GRAND HYATT • SAN ANTONIO, TEXAS

Society for Pediatric Anesthesia



education • research • patient care

American Academy  
of Pediatrics



# WELCOME TO PEDIATRIC ANESTHESIOLOGY



**Linda J. Mason, MD**

Winter Meeting Program Chair

This year's Pediatric Anesthesiology 2010 Meeting will be held in conjunction with the American Academy of Pediatrics Section on Anesthesiology & Pain Medicine, April 15-18, 2010 at the Grand Hyatt, San Antonio, Texas. This beautiful location will allow a combination of the presentation of new educational information and the opportunity to interact with colleagues in a unique environment.

As the Program Chair I am excited with how the program has evolved. On behalf of myself, Assistant Program Chair – Mary Ellen McCann (Refresher Courses and Workshops), Julie Niezgoda (PBLD coordinator) and Constance Houck (AAP section chair) we welcome you to a meeting filled with innovative topics and knowledgeable speakers.

The 2010 meeting has many highlights and offerings, including: 22 CME credits for the SPA meeting; plus eight additional credits for the CCAS meeting on Thursday.

Thursday will feature meetings of the Congenital Cardiac Anesthesia Society (CCAS) and an advanced ultrasound guided regional anesthesia workshop, which will also be repeated Friday, and Saturday afternoon. Registration for the CCAS meeting is separate, but in this brochure. For those who register for the SPA meeting, a pediatric advanced life support course is available with a separate registration fee.

Friday's topics include: Anesthesia Outside the OR: Adventures with Really Magnetic Personalities: New challenges in MRI and an Update on Pediatric Sedation Models. The next session: The Pediatric Patient with Chronic Pain will include Prolonged Opioid Use in the Pediatric Patient and Anesthetic Considerations for Patients with Chronic Pain. The final session of the morning will be an update on New Monitoring Devices for the Pediatric Patient – Do They Make a Difference in Outcomes? Following the morning session will be lunch including the AAP - Robert M. Smith Award Presentation and the AAP Advocacy lecture – For Pain and Gain – Prescription Drug Abuse by Adolescents presented by Janet Williams, M.D., Chair, AAP Committee on Substance Abuse and Professor of Pediatrics, University of Texas Health Science Center, San Antonio, Texas.

On Saturday we will be repeating a morning session called, "The Pediatric Core." This year the core topic will be devoted to neurologic disease. The session is intended to provide an update on what is new and relevant in the management of neurologic problems including, autism, AD/HD, cerebral palsy and seizure disorders. After the morning scientific session - including the walk-around poster discussions and presentation of the AAP and SPA abstract awards - the AAP Ask the Experts panel will include an audience response discussion tied to the core lecture series, with specific cases addressing the anesthesia management of patients with neurologic disease.

Sunday will begin with a lecture from Nick Franks, FRCA, FMedSci, from Imperial College, London entitled Mechanisms of General Anesthesia. This lecture will be followed by a review of the past year's most significant articles by the editors from *Pediatric Anesthesia, Anesthesia and Analgesia, Anesthesiology, and Pediatrics*.

In addition, there are many new workshops and some truly excellent refresher courses as well as many of the old favorites such as Jeopardy, Walk around Posters, and the Problem Based Learning Discussions on Friday, Saturday, and Sunday mornings.

As I complete my service as Program Chair, I would like to say thanks to all those who have helped to assemble this meeting especially the Education Committee, the SPA Board Members, and the Staff of the SPA office. Finally a huge thanks to Mary Ellen McCann, Julie Niezgoda and Constance Houck – I couldn't have done this without their expertise and great ideas!

I hope you enjoy the meeting.

# MEETING INFORMATION

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## 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 for attendees of the program are to reinforce and enhance their existing fund of knowledge, and to introduce them to new and state-of-the-art issues that affect their practice in order to improve the perioperative/critical care of pediatric patients.

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## 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 issues. 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.

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## 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.

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## 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 educational activity for a maximum of 22 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

CCAS 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 educational activity for a maximum of 9 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

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## Americans With Disabilities Act

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 March 1, 2009 in order to receive service.

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## Hotel and City Information

Designed to compliment its unique city, the Grand Hyatt San Antonio is an exciting blend of contemporary and Latin influences. Located right on the Riverwalk, the hotel's colors and special touches create a luxury hotel that's perfect for business travelers or vacationers.

The hotel is convenient to the convention center, HemisFair Park and the Riverwalk.

### About the city

San Antonio has gone from Spanish colonial rule to Texas independence, and ultimately statehood. It draws richly from its colorful history and cultural fusion - to the extent that the it once had street signs in three languages: Spanish, English, and German.

### Fast Facts:

- One of the American West's oldest cities, settled in 1731 by sixteen Spanish families from the Canary Islands. The King William neighborhood is one of the oldest historical districts in Texas.
- Third fastest-growing city in America and the seventh largest U.S. city.
- Sixty-eight miles of urban hike and bike trails and over 11,000 acres of urban parks. The U.S.'s second oldest park, San Pedro Park, is in the city.
- The most affordable city in America, for both those who live here and those who visit.
- One of the top 25 cities in the country for the arts, according to American Style magazine. Travel Smart magazine ranks San Antonio as one of the most culturally fascinating cities in the U.S.

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# CCAS PROGRAM



**THURSDAY, April 15, 2010**

- 7:00 - 7:30 am**      **Registration & Continental Breakfast with Exhibitors**
- 7:30 - 7:45 am**      **Welcome & Outline of Educational Program**  
Chandra Ramamoorthy, MBBS, FRCA; Anshuman Sharma MD, FFARCSI;  
Emad Mossad, MD

## **Session I: Brainstorm! Recent Advances in Neurologic Monitoring and Protection**

*Moderator: Duncan De Souza, MD*

- 7:45 - 8:10 am**      **The Role of MRI in Pediatric Cardiac Surgery**  
Dean B. Andropoulos, MD, MHCM
- 8:10 - 8:35 am**      **Beyond an Oximeter: NIRS Monitoring of Cerebral Autoregulation**  
Kenneth M. Brady, MD
- 8:35 - 9:00 am**      **ACP: Recent Advances**  
Jeffrey Heinle, MD
- 9:00 - 9:15 am**      **Questions and Discussion**
- 9:15 - 9:30 am**      **Coffee Break with Exhibitors**

## **Session II: Safe Sweets! Glucose Management in Pediatric Cardiac Surgery**

*Moderator: Nina A. Guzzetta, MD*

- 9:30 - 9:50 am**      **Review: Glucose Management in Pediatric Cardiac Surgery**  
Ian James, MB, ChB, FRCA
- 9:50 - 10:05 am**      **PRO: Strict Glycemic Control is Essential in PCS**  
Barry David Kussman, MB, BCh
- 10:05 - 10:20 am**      **CON: Hyperglycemia Should Be Accepted and Safe in PCS**  
James M. Steven, MD, FAAP
- 10:20 - 10:30 am**      **Questions and Discussion**

## **Session III: Pulmonary Hypertension: An Update**

*Moderator: Anshuman Sharma, MD, FFARCSI*

- 10:30 - 11:10 am**      **Pathophysiology of Cardiac PHTN**  
Jeffrey R. Fineman, MD
- 11:10 - 11:30 am**      **Perioperative Management of PHTN Patients**  
Robert H. Friesen, MD
- 11:30 - 11:45 am**      **Questions and Discussion**
- 11:45 am - 1:00 pm**      **Introduction to the STS Database/Lunch**  
David F. Vener, MD

## **Session IV: Study of a Lesion: CAVC**

*Moderator: Wanda Miller-Hance, MD*

- 1:00 - 1:30 pm**      **Anatomic Review and Specimens**  
Deborah Kearney, MD
- 1:30 - 2:00 pm**      **Echocardiographic Evaluation**  
Isobel A. Russell, PhD, MD
- 2:00 - 2:30 pm**      **Surgical Approaches and Decisions**  
Jeffrey Heinle, MD
- 2:30 - 2:40 pm**      **Questions and Discussion**

# CCAS PROGRAM

2:40 - 3:00 pm Afternoon Break with Exhibitors – Anatomy Specimen Station

## Session V: Pacemakers and Defibrillators-An Interactive Workshop

Moderator: Steve M. Auden, MD

- 3:00 - 3:30 pm **Review of Defibrillators and Pacemakers**  
Naomi J. Kertesz, MD
- 3:30 - 4:00 pm **Interactive Workshop** (Audience Response)  
Suanne M. Daves, MD
- 4:00 - 4:15 pm **Questions and Discussion**
- 4:15 - 4:30 pm **Coffee Break with Exhibitors**

## 4:30-5:00 pm – Session VI: Cardiac Jeopardy

Moderator: Anthony Clapcich, MD

## 5:00-6:00 pm – Walk Around Poster Discussion Session/Reception

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Refund Policy: For Workshops, Scientific Meeting and PBLD's, a full refund through 3/15/2010; 50% refund from 3/16 - 3/26/2010; no refunds after 3/26/2010. Refund will be determined by date **written** cancellation is received.

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# SPA/AAP PROGRAM

## THURSDAY, April 15, 2010

### 8:00 am - 5:00 pm – PALS Course

No CME Credit offered (Separate \$250 registration required. Includes lunch & book. See registration form on Page 13.)

Donald H. Schaffner, Jr., MD - Course Director; Elizabeth U. Berg, RN, Assistant Course Director. Faculty: Franklyn P. Cladis, MD; Cheryl K. Gooden, MD, FAAP; Robert C. Pascucci, MD; Sally E. Rampersad, MB, DCH, FRCA; David Allan Young, MD, FAAP

3:00 - 6:00 pm      **Advanced Ultrasound Guided Regional Anesthesia Workshop** (Please see Page 12 for details)

## FRIDAY, April 16, 2010

6:30 - 7:30 am      **PBLDs** (Please see Page 11 for details)

6:30 am - 6:00 pm      **Registration**

6:30 - 7:30 am      **Continental Breakfast with Exhibitors and Posters**

7:30 - 7:45 am      **Welcome and Outline of Educational Program**

Linda J. Mason, MD; Joseph Tobin, MD, FAAP, FCCM; Constance S. Houck, MD, FAAP

### Anesthesia Outside the OR

Moderator – Joseph P. Cravero, MD

7:45 - 8:10 am      **Adventures with Really Magnetic Personalities: New Challenges in MRI**

Lynne G. Maxwell, MD, FAAP

8:10 - 8:35 am      **Update on Pediatric Sedation Models**

Jeana E. Havidich, MD

8:35 - 8:50 am      **Discussion**

### The Pediatric Patient with Chronic Pain

Moderator – Santhanam Suresh, MD, FAAP

8:50 - 9:15 am      **Prolonged Opioids, Pediatric Patients and Problems**

K. Sunny Anand, MBBS, D.Phil

9:15 - 9:40 am      **Anesthetic Considerations for Patients with Chronic Pain**

Steven J. Weisman, MD

9:40 - 10:00 am      **Discussion**

10:00 - 10:30 am      **Coffee Break with Exhibitors and Posters**

### An Update on New Monitoring Devices for the Pediatric Patient – Do They Make a Difference in Outcomes?

Moderator – C. Dean Kurth, MD, FAAP

10:30 - 10:50 am      **Near Infrared Cerebral Oximetry: Is it ready for prime time?**

Chandra Ramamoorthy, MBBS, FRCA

10:50 - 11:10 am      **Non-invasive Multimodal Monitoring**

Peter N. Cox, MBChB, DCH, FFARCS (UK), FRCP (C)

11:10 - 11:30 am      **Continuous Glucose Monitoring and Outcomes**

Monica S. Vavilala, MD

11:30 - 11:50 am      **Echocardiography for Everyday Anesthesia**

Lauren Janis Cornella, MD



# SPA/AAP PROGRAM

- 11:50 am - 12:10 pm**      **Discussion**
- 12:10 - 12:30 pm**      **Break with Exhibitors and Posters**
- 12:30 - 12:45 pm**      **AAP Robert M. Smith Presentation**  
Moderator: Constance S. Houck, MD, FAAP  
Introduction: Theodore W. Striker, MD, FAAP  
Honoree: Juan F. Gutierrez-Mazorra, MD, FAAP
- 12:45 - 1:30 pm**      **AAP Advocacy Lecture/Lunch - For Pain and Gain: Prescription Drug Abuse by Adolescents**  
Janet F. Williams, MD, FAAP
- 1:30 - 3:30 pm**      **Junior Faculty Research Workshop**  
Jerome Parness, MD, PhD
- 1:30 - 3:30 pm**      **Junior Faculty Workshop; Success in Academics**  
Samuel David Yanofsky, MD, MEd
- 1:30 - 2:30 pm**      **Refresher Course**  
**The Pediatric Jehovah's Witness and Other Dilemmas**  
Samuel Wald, MD
- 2:30 - 3:30 pm**      **Refresher Course**  
**Pediatric Airway Management: Current Modalities**  
Paul Stricker, MD
- 3:30 - 4:00 pm**      **Break with Exhibitors and Posters**
- 4:00 - 5:30 pm**      **Jeopardy**  
Myron Yaster, MD, FAAP; Francis X. McGowan, MD
- 4:00 - 7:00 pm**      **Workshops** (Please see Page 12 for details.)
- 6:30 - 7:30 pm**      **Reception with Exhibitors**

## SATURDAY, April 17, 2010

- 6:30 - 8:00 am**      **PBLDs** (Please see Page 11 for details)
- 7:00 - 8:00 am**      **Continental Breakfast with Exhibitors and Posters**

### Core Lectures – The Pediatric Patient with Neurologic Disease

*Moderator – Randall P. Flick, MD, MPH, FAAP*

- 8:00 - 8:30 am**      **Cerebral Palsy: An Update on Perioperative Management**  
Mary C. Theroux, MD
- 8:30 - 9:00 am**      **Autism and AD/HD: An Overview of Current Concepts and Controversies**  
William J. Barbaresi, MD
- 9:00 - 9:30 am**      **Neurological Diseases of Children: Anesthesiological Issues**  
Robert S. Rust, MA, MD
- 9:30 - 10:00 am**      **Coffee Break with Exhibitors and Posters**
- 10:00 - 10:45 am**      **Oral Presentations and Abstract Awards**
- 10:45 - 11:00 am**      **Discussion**
- 11:00 am - 12:30 pm**      **Walk around Posters/Discussion Session**
- 12:30 - 1:30 pm**      **AAP Ask the Experts Panel and Lunch**  
Sponsored by The Children's Hospital, Aurora, CO; Loma Linda University Children's Hospital; and University of Michigan Medical Center  
Moderator: Carolyn Bannister, MD, FAAP  
Charles Lee, MD; Judit Szolnoki, MD; S. Devi Chiravuri, MD

# SPA/AAP PROGRAM

- 1:30 - 2:30 pm**      **Refresher Course**  
We Have Come A Long Way...Is There Anything Left to Do? An Update on Acute Pediatric Pain Management  
Sabine Kost-Byerly, MD
- 2:30 - 3:30 pm**      **Refresher Course**  
Anesthesia for Noncardiac Surgery in a Patient With CHD  
Stephen A. Stayer, MD, FAAP
- 1:30 - 4:30 pm**      **Workshops** (Please see Page 12 for details)

## SUNDAY, April 18, 2010

- 6:30 - 8:00 am**      **PBLDs** (Please see Page 11 for details)
- 7:00 - 8:00 am**      **Continental Breakfast**
- 8:00 - 9:00 am**      **Keynote Lecture: Mechanisms of General Anesthesia**  
Nick Franks, FRCA, FMedSci

### Editors Best Picks

*Moderator – Neil Morton, MB, ChB, FRCA*

- 9:00 - 9:20 am**      **Anesthesiology**  
Jerrold Lerman, MD
- 9:20 - 9:40 am**      **Anesthesia and Analgesia**  
Peter J. Davis, MD
- 9:40 - 10:00 am**      **Pediatrics**  
Zeev N. Kain, MD, MBA
- 10:00 - 10:20 am**      **Pediatric Anesthesia**  
Andrew J. Davidson, MBBS, FANZCA
- 10:20 - 10:40 am**      **Moderator's Pick**
- 10:40 - 11:00 am**      **Audience Discussion and Questions**
- 11:00 am**      **Educational Summary**  
Linda J. Mason, MD

# PBLDs

Problem Based Learning Discussions are \$35. Friday PBLDs are 1 additional CME credit each. Saturday and Sunday PBLDs are 1.5 credits each. Please mark your first, second and third choices **for each day** on the line to the left of the table number.

## Friday, April 16, 2010

Please mark your 1st, 2nd and 3rd choices.

- \_\_\_\_ Table #1 **SOLD OUT** rdiomyopathy and Difficult Airway for PEG Tube Placement  
Jon Tomasson, MD; Mohamed A. Mahmoud, MD
- \_\_\_\_ Table #2 Sickle Cell Disease in an Infant with Tricuspid Atresia  
James J. Fehr, MD; Kelly Chilson, MD
- \_\_\_\_ Table #3 15:30: Let's Do a Cardiac MRI on a Seven wk Micrognathic Kid with LV Noncompaction in Another Building  
Michael Hernandez, MD; Sara Hebbeler-Pittenger, MD
- \_\_\_\_ Table #4 Anesthetic Management of Child with Moyamoya Disease with Severe Blood Loss  
Tariq Parray, MD; M. Saif Siddiqui, MD
- \_\_\_\_ Table #5 **SOLD OUT** rary Embolism  
Holly Richter, MD, PhD; Sean Benton, MD
- \_\_\_\_ Table #6 Organ Donation after Cardiac Death  
Nitin Wadhwa, MD; Yang Liu, MD
- \_\_\_\_ Table #7 Progressive Difficulty with Airway Management in a 10 Year Old with Recessive Epidermolysis Bullosa  
Priti G. Dalal, MBBS, MD, FRCA; Kenneth J. Saliba, DO
- \_\_\_\_ Table #8 **SOLD OUT** Fundoplication for Patient s/p Norwood Repair for HLHS  
Nicole Dobiija, MD, DDS; Andrew D. Pitkin, MD
- \_\_\_\_ Table #9 Management of a 10 year-old with ESRD and Severe Dilated Cardiomyopathy with a Living-Related Kidney Transplant  
Gerald A. Bushman, MD; Mari Baldwin, MD
- \_\_\_\_ Table #10 **SOLD OUT** athy in a 2 Month Old undergoing Elective Craniosynostosis Repair... Fact OR Fiction?  
Sapna Kudchadkar, MD; Robert S. Greenberg, MD

## Saturday, April 17, 2010

Please mark your 1st, 2nd and 3rd choices.

- \_\_\_\_ Table #11 Lumbar Discectomy in a Patient with Advanced Cystic Fibrosis  
Charles B. Berde, MD, PhD; Myron Yaster, MD, FAAP
- \_\_\_\_ Table #12 **SOLD OUT** Now Pregnant  
Victor C. Baum, MD; Duncan De Souza, MD
- \_\_\_\_ Table #13 A Surgery Center Nightmare – Total Spinal after a Caudal Block for Hypospadias Repair  
Swati N. Patel, MD; Ihab Ayad, MD
- \_\_\_\_ Table #14 Lethargy Post Operative Day One – Could This be Your Anesthetic?  
Cathleen R. Lammers, MD, FAAP; Hung Nguyen, MD
- \_\_\_\_ Table #15 Is That Epidural Catheter in the Belly?  
Andreas H. Taenzer, MD; Joseph P. Cravero, MD
- \_\_\_\_ Table #16 The Right to Life/Death? An Ethical Dilemma Involving a 36 Week 16 Year Old Jehovah's Witness Patient in Premature Labor and Bleeding  
Tae W. Kim, MD, Eugenie S. Heitmiller, MD, FAAP
- \_\_\_\_ Table #17 Water! Water! Everywhere! – Diagnosis and Management of Nephrogenic Diabetes  
Brenda C. McClain, MD; Samantha Franco, MD
- \_\_\_\_ Table #18 **SOLD OUT** Arrest after TE Fistula Repair  
Rose Campise Luther, MD; Sarah Oswald, MD
- \_\_\_\_ Table #19 3 Year Old Down Syndrome Child with Congenital Prolonged QT Syndrome, Diabetes Insipidus and Past Medical History of Cardiac Arrest under Anesthesia presenting with Suspected Small Bowel Obstruction  
Shirley N. D'Souza, MD; Persis K. Shroff, MD
- \_\_\_\_ Table #20 **SOLD OUT** il Pulmonary Lesions: Urgent Resection of CLEs and CCAMs in Neonates  
Lianne Stephenson, MD; Christian Seefelder, MD
- \_\_\_\_ Table #21 Persistent Tachycardia, Hypertension in a Thyrotoxic Teen in the Recovery Room – Is this a Hyperthyroid Crisis? – A Storm in a Tea Cup Brewing Double Trouble?  
Claude Abdallah, MD, MSc; Susan T. Verghese, MD

- \_\_\_\_ Table #22 Prolonged Opioid Therapy in the Critically Ill Pediatric Patient  
Aryne Thung, MD; Shu-Ming Wang, MD
- \_\_\_\_ Table #23 9 Year Old Child with Lumbar Lordosis for Corrective Surgery Complicated by Malignant Hyperpyrexia  
S. Ramesh, MD; R. Jayanthi, DA, Dip. NB
- \_\_\_\_ Table #24 **SOLD OUT** a after Placement of a Femoral Perineural Catheter for ACL Reconstruction  
Harshad G. Gurnaney, MBBS, MPH; Arjunan Ganesh, MBBS
- \_\_\_\_ Table #25 Pierre Robin Sequence and Pyloric Stenosis  
Heather Naumann, MD; Andrew Pittaway, MBBS, FRCA
- \_\_\_\_ Table #26 **SOLD OUT** ent of a Patient with Mitochondrial Disease for Posterior Fossa Decompression with Intraoperative Neuromonitoring  
J. Fay Jou, MD; Lori A. Aronson, MD, FAAP

## Sunday, April 18, 2010

Please mark your 1st, 2nd and 3rd choices.

- \_\_\_\_ Table #27 **SOLD OUT** edialastinal Mass for XRT and Biopsy  
Lisa Heyden, MD; Lewis A. Covelev, MD
- \_\_\_\_ Table #28 Unrepaired Balanced AV Canal and Craniosynostosis  
Ihab Ayad, MD; Swati N. Patel, MD
- \_\_\_\_ Table #29 Emergency Management of Pediatric Tracheo-innominate Fistula  
Jay B. Tuchman, MD; Edmund Jooste, MB, ChB
- \_\_\_\_ Table #30 Complications during Sclerotherapy for Blue Rubber Bleb Nevus Syndrome  
Sabine Kost-Byerly, MD; Tiffany Owens, MD
- \_\_\_\_ Table #31 Anesthesia for ECT in a Child with Neurolept Malignant Syndrome  
Michelle Sheth, MD; George Mychaskiw, DO
- \_\_\_\_ Table #32 **SOLD OUT** in a Twelve Day Old Infant undergoing Laparoscopic Pyloromyotomy  
Susan P. Tayler, MD, MPH; George M. Hoffman, MD
- \_\_\_\_ Table #33 Incision and Drainage of Submandibular Masses in a Child with Noonan's Syndrome... What's an Anesthesiologist to do?  
Peggy P. Dietrich, MD; Angi Pennell, MD
- \_\_\_\_ Table #34 **SOLD OUT** in Neonatal Surgery  
Tonya LK Miller, MD; Lynda J. Means, MD, FAAP
- \_\_\_\_ Table #35 Oh No, What do we do? If we Extubate, the Patient Dies, and if we don't Extubate, the Patient Dies...  
Vipin Bansal, MD; Logan Harding, MD
- \_\_\_\_ Table #36 Sudden Loss of SSEPs and Profound Hypotension in a Child with Cerebral Palsy, Mental Retardation undergoing Spinal Fusion for Significant Scoliosis with Controlled Hypotension and Anemia  
Jerry Santos, MD; Raafat S. Hannallah, MD
- \_\_\_\_ Table #37 **SOLD OUT** ment of a Pediatric Patient with a Large Mediastinal Mass for VATS with Biopsy  
Shelly-Anne Rodriguez, MD; Alina V. Bodas, MD
- \_\_\_\_ Table #38 Intrathecal Local Anesthetic Infusion as a Treatment for CRPS in a Child  
Ibrahim S. Farid, MD; Elizabeth Heiner, MSN
- \_\_\_\_ Table #39 Anesthetic Implications of Neonatal Vein of Galen Aneurysmal Malformation (VGAM)  
Ira Landsman, MD; Thanh Nguyen, MD
- \_\_\_\_ Table #40 Pulmonary Valvuloplasty in an Infant with Noonan's Syndrome and Severe IHSS  
Destiny F. Chau, MD; Raeford E. Brown, MD
- \_\_\_\_ Table #41 Anesthetic Management Challenges in the Care of an Infant with Pompe's Disease  
Nancy Samol, MD; Jacquelyn W. Morillo-Delorme, MD
- \_\_\_\_ Table #42 Hyperkalemic Cardiac Arrest in a 2 Month Old undergoing Resection of Brain Tumor  
Divya Dixit, MD; Alfred T. Dorsey, MD, FAAP

Name: \_\_\_\_\_ TOTAL \$: \_\_\_\_\_

# WORKSHOPS & REFRESHER COURSES

Space is limited. Please mark your first, second and third choices for each day.

THURSDAY, APRIL 15, 2010			
CHOICE	TIME	TITLE	FEE
	3:00-6:00 pm	Advanced Ultrasound Guided Regional Anesthesia Workshop: SENIOR FACULTY - Santhanam Suresh, MD, FAAP; Adrian T. Bosenberg, FFA (SA); Per-Arne Lonnqvist, MD; Edward R. Mariano, MD. ASSOCIATE FACULTY - Hyun Kee Chung, MD; Senthilkumar Sadhasivam, MD; Steve Santangelo, MD; Jeffrey L. Steinfeldt, MD <i>STATIONS: Upper Extremity, Lower Extremity, Truncal and Central Neuraxial</i>	\$175
FRIDAY, APRIL 16, 2010			
	1:30-3:30 pm	Junior Faculty Research Workshop: Jerome Parness, MD, Ph.D	N/C
	1:30-3:30 pm	Success in Academics: Sam Yanofsky, MD; Franklyn P.Cladis, MD; Ira Todd Cohen, MD, MEd; Divya Dixit, MD; Julie G. Nyquist, PhD; Joseph R. Tobin, MD, FAAP, FCCM; Mary Lou Voytko, PhD	N/C
	4:00-6:00 pm	Epidural: Christine D. Greco, MD, FAAP; F. Wickham Kraemer, III, MD; Constance Monitto, MD; Navil F. Sethan, MBChB	\$60
	4:00-6:00 pm	Pediatric Airway: David M. Polaner, MD, FAAP; Jeffrey L. Galinkin, MD, FAAP; Cheryl K. Gooden, MD, FAAP; Geoffrey A. Lane, MB, BCh; Bruno Marciniak, MD; Peter Szmuk, MD	\$60
	4:00-6:00 pm	Peripheral Vascular Access: Gregory J. Schears, MD; Darryl H. Berkowitz, MB, BCh; Dawit T. Haile, MD; Scott D. Markowitz, MD; Luis M. Zabala, MD	\$60
	4:00-6:00 pm	TEE: James A. DiNardo, MD; Lauren J. Cornella, MD; Jochen D. Muehlschlegel, MD	\$60
	4:00-6:00 pm	Integrating Acupuncture in Pediatric Perioperative Care and Pain Medicine: Yuan-Chi Lin, MD, MPH; Brenda Golianu, MD; Rosalie Tassone, MD, MPH Shu-Ming Wang, MD	\$60
	4:00-6:00 pm	Overview of Personal Financial Planning Workshop: Jonathan D. Griswold, MD	\$60
	4:00-7:00 pm	Advanced Ultrasound Guided Regional Anesthesia Workshop: SENIOR FACULTY - Santhanam Suresh, MD, FAAP; Adrian T. Bosenberg, FFA (SA); Per-Arne Lonnqvist, MD; Edward R. Mariano, MD. ASSOCIATE FACULTY - Robert W. Power, MD; Amod Sawardekar, MD; Mounir Soliman, MD; Andreas H. Taenzer, MD <i>STATIONS: Upper Extremity, Lower Extremity, Truncal and Central Neuraxial</i>	\$175
REFRESHER COURSES			
	1:30-2:30 pm	Pediatric Jehovah's Witness and Other Dilemmas: Samuel D. Wald, MD	N/C
	2:30-3:30 pm	Pediatric Airway Management, Current Modalities: Paul Stricker, MD	N/C
SATURDAY, April 17, 2010			
	1:30-3:30 pm	Fellows Research Workshop: Alan R. Tait, PhD	N/C
	1:30-3:30 pm	Epidural Workshop: John B. Rose, MD, FAAP; Raeford E. Brown, Jr., MD; Kenneth R. Goldschneider, MD, FAAP; F. Wickham Kraemer, III, MD	N/C
	1:30-4:30 pm	Advanced Ultrasound Guided Regional Anesthesia Workshop: SENIOR FACULTY - Santhanam Suresh, MD, FAAP; Adrian T. Bosenberg, FFA (SA); Per-Arne Lonnqvist, MD; Edward R. Mariano, MD. ASSOCIATE FACULTY - Sean Flack, MB, ChB, FCA, DA; Arjunan Ganesh, MBBS; Mounir Soliman, MD; Jeffrey L. Steinfeldt, MD <i>STATIONS: Upper Extremity, Lower Extremity, Truncal and Central Neuraxial</i>	\$175
	1:30-4:30 pm	Simulation Workshop: Anita Honkanen, MD; Richard H. Blum, MD, MSE, FAAP; Michael I. Chen, MD; Rebecca E. Claire, MD; Harshad G. Gurnaney, MD; Robbie Hales, MD; Aruna T. Nathan, MBBS; Manchula Navaratnam, MB, ChB; Andrew Pittaway, MD; Radhamangalam J. Ramamurthi, MD, FRCA; Sharon J. Redd, MD; Michael J. Richards, MD; Daniel D. Rubens, MD, FANZCA; Don Stephanian, MD; Ellen Ya-Ping Wang, MD; Glyn D. Williams, MB, ChB, FRCA	\$60
	1:30-4:30 pm	ACGME Core Workshop: Samuel David Yanofsky, MD, MEd; Ira T. Cohen, MD, MEd; Barry Markovitz, MD, MPH; Niurka Rivero, MD; Randall Wetzel, MBBS	\$60
	1:30-4:30 pm	Dexmedetomidine: Clinical Applications, Mechanisms of Action and New Developments Workshop: Keira P. Mason, MD; Constantinos Chrysostomou, MD; Julia C. Finkel, MD; Nick Franks, FRCA, FMedSci; Gregory B. Hammer, MD; Mohamed A. Mahmoud, MD; Joseph D. Tobias, MD	\$60
	1:30-4:30 pm	Ultrasound Vascular Access: Coordinator - Stuart R. Hall, MD; Peggy P. Dietrich, MD; Erin A. Gottlieb, MD; Courtney A. Hardy, MD; Tetsu Uejima, MD	\$60
REFRESHER COURSES			
	1:30-2:30 pm	We Have Come A Long Way...Is There Anything Left to Do? An Update on Acute Pediatric Pain Management: Sabine Kost Byerly, MD	N/C
	2:30-3:30 pm	Anesthesia for Noncardiac Surgery in a Patient With CHD: Steve Stayer, MD	N/C
			<b>TOTAL DUE \$</b> _____

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<input type="checkbox"/> PBL Discussions ( <i>Please enter the total amount from page 11, and return that page with your selections.</i> )			= \$ _____
<input type="checkbox"/> I'll attend the Friday Reception	No Charge	MUST BE A SPA REGISTRANT TO ATTEND	No Charge
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The Society for Pediatric Anesthesia has reserved a block of rooms at the above hotel. In order to receive the special conference rate, advise the reservations agent at the hotel that you are attending the SPA Conference. Reservations must be made prior to March 23, 2010 in order to receive the conference rates. Reservations received after this date will be on a space available basis at regularly published rates. Please call, fax or email the hotel. A 16.75% tax will be added.

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**Cut-off date: March 23, 2010**

Rooms and rates are subject to availability.  
Reservations cancelled 48 hour prior to arrival date will receive a full refund if cancellation number is obtained. After 48 hours the credit card will be charged.

# OBJECTIVES

## SPA/AAP OBJECTIVES

### Anesthesia Outside the OR

#### Adventures with Really Magnetic Personalities: New Challenges in MRI

Learning Objectives:

1. The participants will be able to identify the impact of new MRI technology on
  - a. patient safety
  - b. patient monitoring and temperature control
  - c. type and quality of information obtained from studies
2. The participants will understand the importance of safety education and a team approach with imaging staff for optimal patient care

#### Update on Pediatric Sedation Models

Learning Objectives:

1. Review ASA and AAP guidelines for sedation of children in non-operative settings
2. Discuss design and implementation of pediatric anesthesia sedation services
3. Discuss pediatric sedation services run by non-anesthesiologists
4. Review PK and PD of commonly used drugs for pediatric sedation
5. Discuss quality assurance initiatives
6. Discuss role of the anesthesia department

### The Pediatric Patient with Chronic Pain

#### Prolonged Opioids, Pediatric Patients and Problems

Learning Objectives:

1. To examine the clinical epidemiology of opioid tolerance and dependence
2. To briefly review the cellular biochemical mechanisms, clinical and pharmacological factors, pharmacogenetics and pharmacogenomics associated with opioid tolerance and withdrawal
3. To develop strategies for prevention of problems resulting from prolonged opioid therapy
4. To briefly review the therapeutic options to treating opioid withdrawal

#### Anesthetic Considerations for Patients with Chronic Pain

Learning Objectives:

1. Understand the common medications used in chronic pain patients
2. Understand important drug and pharmacogenetic interactions of medications used for chronic pain management
3. Understand perioperative management of the opioid tolerant patients

### An Update on New Monitoring Devices for the Pediatric Patient – Do They Make a Difference in Outcomes?

#### Near Infrared Cerebral Oximetry: Is it ready for prime time?

Learning Objectives: At the end of the talk the participants will have an understanding of the technology of cerebral oximetry, its clinical applications and impact on outcomes, currently available commercial devices and the limitations of cerebral oximetry.

#### Non Invasive Multimodal Monitoring

Learning Objectives: Gain an understanding of current technologies for non

invasively monitoring oxygen saturation, carboxyhemoglobin, methemoglobin and hemoglobin.

#### Continuous Glucose Monitoring and Outcomes

Learning Objectives:

1. To discuss the relationship between glucose control and critical illness
2. To describe the relationship between hyperglycemia and outcome in pediatric traumatic brain injury (TBI)
3. To describe currently available continuous glucose monitoring tool

#### Echocardiography for Every-Day Anesthesia

Learning Objectives:

1. Review the advantages and disadvantages for echocardiography as a means to monitor cardiac function and detection of air embolism during anesthesia
2. Discuss the current use of echocardiography during cardiac anesthesia and training requirements
3. Provide a rationale for the routine availability and use of echocardiography as a noninvasive monitor during non-cardiac anesthesia

### AAP Advocacy Lunch - For Pain and Gain: Prescription Drug Abuse by Adolescents

Learning Objectives: Through this presentation, learners will:

1. Review the trends associated with adolescent and young adult prescription drug abuse and dependence in the U.S.
2. Understand the relationship between prescription drug abuse and other substance abuse behaviors
3. Explore the challenges of effective pain management with respect to addiction risks
4. Be introduced to practice techniques to identify prescription drug abuse risk and facilitate substance abuse risk and facilitate substance abuse treatment utilization

### Core Lectures – The Pediatric Patient with Neurologic Disease

#### Cerebral Palsy: An Update on Perioperative Management

Learning Objectives:

1. Discuss changing incidence of cerebral palsy
2. Discuss perioperative concerns and possible new information on management

#### Autism and AD/HD: An Overview of Current Concepts and Controversies

Learning Objectives:

1. To understand the current diagnostic criteria for AD/HD and Autism, as well as limitations of those criteria
2. To understand the most important aspects of contemporary, evidence-based treatment and intervention for Autism and AD/HD
3. To appreciate the major co-morbidities that affect children with Autism and AD/HD
4. To learn about current controversies in the diagnosis and treatment of children with Autism and AD/HD
5. To learn about current research that will impact the care of children with Autism and AD/HD in the next several years

# OBJECTIVES

## **Neurological Diseases of Children: Anesthesiological Issues**

Learning Objectives: It is expected that attendees may benefit from updated information concerning:

1. Pre-operative management of newer anticonvulsants
2. Special anesthetic problems in heritable metabolic or neuromuscular conditions
  - a. Intubation and supported ventilation
  - b. Anesthetic agents
3. Anesthetic agents and status epilepticus

## **AAP Ask the Experts Panel**

Learning Objectives:

1. Review the important preoperative considerations for children with cerebral palsy, seizure disorders and ADHD/autism
2. Learn the most effective strategies for the anesthetic management of children with these neurologic disorders
3. Recognize the potential complications that may arise postoperatively and how to minimize them

## **Keynote Speaker: Mechanisms of General Anesthesia**

Learning objectives: Upon completion of this lecture the participant will review the current status of anesthetic action at the molecular level, will compare the extent to which anesthetics and natural sleep share common neuronal pathways and will review the possibility that anesthetics cause toxicity in the neonate.

## **Jeopardy**

Learning Objectives: Those attending this session will have the opportunity to review current pediatric anesthesia practice in a game-show format.

## **Workshops**

### **Advanced Ultrasound Guided Regional Anesthesia Workshop**

Learning Objectives

1. Understanding basic functions of the US machine with particular attention to the US probes, machine settings for various age groups.
2. Review anatomy using US guidance of all peripheral nerve blocks including upper and lower extremity, truncal and central Neuraxial blocks.
3. Provide an instructional hands-on course with low faculty to attendee ratio to provide an understanding of how to scan and block most common peripheral/central Neuraxial nerve blocks in children.

### **Fellows Research Workshop**

Learning Objectives: This workshop is intended to provide residents and fellows with a basic overview of research methods and the opportunity to discuss specific topics of interest including, but not limited to: basic statistical methods, sample size, how to critically review the literature, and abstract/manuscript/grant preparation.

### **Junior Faculty Research Workshop**

Learning Objectives: This workshop is designed for junior and mid-level faculty who are beginning an academic career or who simply wish to advance their knowledge of research methodology. Topics include, but are not limited to: research design, statistical methods, and grant writing.

## **Success in Academics Workshop**

Learning Objectives: Junior faculty attending this workshop will be exposed to strategies for building a successful academic career.

## **ACGME Core Workshop**

Learning Objectives: Upon completion of this workshop, the learner will be able to describe the ACGME competencies including professionalism, interpersonal and communication skills, practice based learning and improvement and system based practice, discuss the use of psychometric inventories targeted around specific teaching models to help better teach the advanced competencies, and appreciate and describe the importance of multiple learning modalities including reflection and community-building activities (use of inventories, small and large group interactive techniques) to teach the advanced competencies.

## **Dexmedetomidine: Clinical Applications, Mechanisms of Action and New Developments Workshop**

Learning Objectives: Upon completion of this workshop, the attendee will review the pharmacology, physiology, pharmacokinetics and mechanism of action of dexmedetomidine, understand the range of clinical applications of dexmedetomidine when used for procedural sedation, in the ICU, in the operating room, understand the advantages, disadvantages and limitations of dexmedetomidine versus propofol, and review via an interactive discussion between faculty panel and the participants the shared experience with dexmedetomidine usage.

## **Epidural Workshop**

Learning Objectives: Upon completion of this workshop, the participant will have gained an in-depth understanding of medications and adjuvants used in epidural management through and evidence-based review, will review different techniques in the placement of thoracic epidurals in neonates, and will discuss choices for neonatal epidural solutions.

## **Simulation Workshop**

Learning Objectives: Upon completion of this workshop, the participant will be introduced to high fidelity simulation and its uses, will gain an understanding of the elements of performance that can be taught and assessed using high-fidelity simulation, will gain an understanding of the elements of team performance that could impact patient care and will participate in scenarios involving patients with complex medical issues to deepen understanding of approaches to crisis in difficult patients.

## **Pediatric Airway Workshop -**

Learning Objectives: Participants of this workshop will learn about and gain experience with different methods of assessing and securing the pediatric airway, including: imaging techniques, including CT/MRI and 3 dimensional reconstructions of the airway using OsiriX, ultrasound, fiberoptics and using digital video for fiberoptic teaching and review, glidescope, lightwand, supraglottic devices. Will learn about the advantages and limitations of different devices and techniques. Will learn when are they best employed and how do you decide what to use. Will learn about decision making, what are the options when faced with: a known or suspected difficult airway (advanced planning), an airway that proves difficult after induction, and how can they avoid disaster by developing systematic ways of decision-making and self assessment.



# OBJECTIVES

## Peripheral Vascular Access Workshop

Learning Objectives:

1. Review the advantages and limitations of near infrared devices for achieving peripheral vascular access
2. Understand the issues in using ultrasound as an adjunct for peripheral IV access
3. Demonstrate the ease of intraosseous access as a rapid source of peripheral access

## TEE Workshop

Learning Objectives:

1. Understand the mechanics of conducting a basic TEE exam
2. Be familiar with basic interpretation of normal and abnormal TEE images

## Integrating Acupuncture in Pediatric Peri-Operative Care and Pain Medicine

Learning Objectives:

1. Review the history and theory of acupuncture
2. Understand scientific evidence of acupuncture practice
3. Evaluate acupuncture meridian systems and micro-system paradigms
4. Incorporate acupuncture in pediatric peri-operative care and pain medicine
5. Participate hands-on demonstration of acupuncture and related techniques

## Overview of Personal Financial Planning Workshop

Learning Objectives:

1. Explain basic financial planning topics and terminology
2. Summarize well-accepted financial planning goals for professionals at different stages in their careers: debt management, retirement savings, paying for college, buying a home, etc.
3. Present an overview of reasonable techniques to approach these goals, regardless of economic circumstances
4. Highlight some of the changes in the financial system over the last 18 months
5. Make attendees aware of some avoidable financial pitfalls, inefficiencies and scams

## Ultrasound Vascular Access

Learning Objectives:

1. To learn the basic skills necessary to use modern ultrasound equipment to identify cardinal vascular anatomy
2. To develop basic hand-eye coordination skills necessary to excel at ultrasound-guided vascular access
3. To spend a good deal of time using ultrasound equipment to gain access on simulations of neck, groin, and arm vessels

## Refresher Courses

### The Pediatric Jehovah's Witness and Other Dilemmas

Learning Objectives:

1. Explain the legal issues concerning the care of Jehovah's Witness patients
2. Recommend specific options for blood conservation in the perioperative period
3. Explain the treatment options to patients with differing religious beliefs
4. Detect other situations relating to pediatric patients that may present an ethical dilemma

## Pediatric Airway Management: Current Modalities

Learning Objectives:

1. To discuss the use of video laryngoscopy in the management of the pediatric airway
2. To discuss the use of optical stylets in pediatric airway management
3. To discuss recent improvements to existing tools for pediatric airway management

## We Have Come a Long Way...Is there Anything Left To Do? An Update on Acute Pain Management

Learning Objectives:

1. Identify effective methods for assessment of pain in children and potential pitfalls
2. Explore the concept of multi-modal analgesia for the pediatric patient
3. Present strategies for the more complex patient
4. Review current evidence for QA/QI processes in pediatric pain management

## Anesthesia for Noncardiac Surgery in a Patient with CHD

Learning Objectives:

1. Describe a pathophysiologic approach to the patient with congenital heart disease
2. Discuss key features of the history, physical examination and laboratory tests used to determine readiness for surgery
3. Review commonly used anesthetics and their effects on the patient with congenital heart disease
4. Discuss the effects of positive pressure ventilation and cardiopulmonary interactions
5. Present specific case scenarios highlighting management issues for patients with congenital heart disease

## CCAS OBJECTIVES

### Session I: Storm: Recent Advances in Neurologic Monitoring and Protection

#### The Role of Brain MRI in Pediatric Cardiac Surgery

Learning objectives: At the conclusion of this lecture, the participant will understand the role of brain MRI in evaluating children with congenital heart disease in the perioperative period. A review of the impact of MRI on decision making and prognosis will be discussed.

#### Beyond an Oximeter: NIRS as a Monitor of Cerebral Autoregulation

Learning objectives: In this presentation, the audience will learn various methods to interpret the data from monitoring cerebral oxygenation. The use of near infrared spectroscopy to examine cerebral autoregulation will be discussed.

#### Antegrade Cerebral Perfusion: Recent Advances

Learning objectives: The speaker will review the history of antegrade cerebral perfusion use in pediatric cardiac surgery. The application and impact of ACP on neurologic outcome following pediatric cardiac operations will be examined.

# OBJECTIVES

## Session II: Safe sweets; Glucose Management in Pediatric Cardiac Surgery

### Review of Glucose Homeostasis in Pediatric Cardiac Surgery

Learning objectives: At the end of this lecture, the participant will learn the physiology of glucose metabolism in children undergoing cardiac surgery. Variables impacting glucose homeostasis in the setting of cardiac surgery will be discussed.

### Pro: Strict Glycemic Control is Essential in PCS

Learning objectives: The audience will learn factors supporting the need for strict glycemic control in cardiac surgery and the risks of hyperglycemia.

### Con: Hyperglycemia is Accepted and Safe in PCS

Learning objectives: The audience will review the safety of hyperglycemia in children undergoing cardiac surgery.

## Session III: Pulmonary Hypertension: An Update

### Pathophysiology of Cardiac Pulmonary Hypertension

Learning objectives: At the end of this discussion the participant will have a state-of-the-art review of the history, etiologies and pathophysiology of pulmonary hypertension in children with congenital heart disease. The review will also discuss recent advances in the management and outcome of patients with pulmonary hypertension.

### Perioperative Management of Pulmonary Hypertension Patients

Learning objectives: Following this lecture, the audience will be familiar with the guidelines for preoperative preparation, anesthetic management and recovery options in children with pulmonary hypertension undergoing cardiac or non-cardiac procedures. Risk assessment and perioperative morbidity will also be reviewed.

## Session IV: Study of a Lesion – Complete AV Canal Defects

### Anatomic Review and Specimens

Learning objectives: At the conclusion of the lecture the audience will be introduced to a review of the anatomic characteristics of atrioventricular canal defects and learn the variant lesions present in this defect. Pathologic specimens will be presented and examined.

### Echocardiographic Evaluation

Learning objectives: The presentation will outline the echocardiographic examination of children with atrioventricular canal defects. The audience will learn the important TEE findings to examine in the perioperative period and methods of assessment of surgical repairs.

### Surgical Approaches and Decisions

Learning objectives: The purpose of this session is to present to the participants a comprehensive review of surgical options for the repair of children with complete atrioventricular canal defects. The audience will learn the factors considered in the process of surgical decision making in these children and the outcomes of the various repair strategies.

## Session V: Pacemakers and Defibrillators – An Interactive Workshop

### Review of Defibrillators and Pacemakers

Learning objectives: At the conclusion of this lecture the audience will learn the indications, applications and complications associated with defibrillators and pacemakers in children. The nomenclature and methods of interpretation and setting of these devices will be reviewed.

### Interactive session – Audience Response

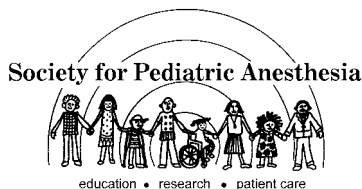
Learning objectives: This is an interactive session with the goal of examining the knowledge gained and applied regarding defibrillators and pacemakers in children.

## Session VI: Cardiac Jeopardy

Learning objectives: To encourage audience participation in the evaluation of various clinical scenarios, interpretation of diagnostic studies and discussion of decision making processes in children with congenital heart disease in the perioperative period.



*The Riverwalk and The Alamo in San Antonio*



# SOCIETY FOR PEDIATRIC ANESTHESIA

2209 Dickens Rd., Richmond, VA 23230-2005

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E-mail: spamembership@societyhq.com • www.pedsanesthesia.org

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City: \_\_\_\_\_ State/Country: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_

Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail \_\_\_\_\_

Date of Birth (mm/dd/yy): \_\_\_\_/\_\_\_\_/\_\_\_\_ Type of Practice:  Private  University  Government  Other

Hospital Affiliation: \_\_\_\_\_

Academic Degrees & Other Professional Certifications With Dates: \_\_\_\_\_

ABA #: \_\_\_\_\_

### I Hereby Make Application For:

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Physicians practicing in the US or Canada who have an interest in pediatric anesthesia, and are eligible to be members of the ASA, may vote and/or hold office.
- AFFILIATE MEMBERSHIP:**..... \$175  
Physicians not eligible to be members of the ASA, non-physicians with an interest in pediatric anesthesia. May not vote and/or hold office.
- ACTIVE/AFFILIATE JOINT MEMBERSHIP WITH CCAS:**..... \$200  
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 Active Joint     Affiliate Joint
- INTERNATIONAL MEMBERSHIP:**..... \$50  
Physicians practicing outside of the US and Canada who have an interest in pediatric anesthesia.
- INTERNATIONAL JOINT MEMBERSHIP WITH CCAS:**..... \$75  
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