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
Welcome to Pediatric Anesthesiology

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.
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.

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.

Target Audience

This program is intended for anesthesiologists and other practitioners who care for children in their practice of anesthesiaology 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 educational activity for a maximum of 22 AMA PRA Category 1 Credit(s)™. 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)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

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.

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 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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Bruno Marciniak, MD
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4 • PEDIATRIC ANESTHESIOLOGY 2010
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

CCAS PROGRAM REGISTRATION

REGISTER ONLINE AT WWW.PEDSANESTHESIA.ORG

If paying by check, please make checks payable to SPA and mail to:
2209 Dickens Road, Richmond, VA 23230-2005; Phone: (804) 282-9780; Fax: (804) 282-0090; E-Mail: spa@societyhq.com

 PLEASE PRINT OR TYPE

Name__________________________________________________________________________________
Last  First   MI

Preferred Mailing Address ____________________________________________________________________________________________________
City / State / Zip  _________________________________________________  Email Address _______________________________________________

Office Phone _________________________________  Home Phone _______________________________  Fax # _______________________________

Accompanying Person(s) Name(s) _______________________________________________________________________________________________

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If applying for Membership, please complete Membership Application (At the back of this brochure), and send with this Registration Form to:

CCAS, 2209 Dickens Road, Richmond, VA 23230-2005  (Credit Card payments may be faxed to 804-282-0090.)

☐ Personal Check  ☐ VISA  ☐ MasterCard  ☐ American Express  ☐ Discover

Card No __________________________________________________Exp. Date ______________________________________________________
Signature _________________________________________________Printed Name on Card _________________________________________

Please note that if you choose to pay by credit card, your statement will reflect a payment to the Society for Pediatric Anesthesia.

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.

IF YOU DO NOT RECEIVE A CONFIRMATION LETTER FROM THE CCAS WITHIN 30 DAYS OF SUBMITTING YOUR REGISTRATION, PLEASE CALL/EMAIL THE OFFICE TO CONFIRM THAT YOUR REGISTRATION MATERIAL HAS BEEN RECEIVED.
SP/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

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<th>Time</th>
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<tr>
<td>11:50 am - 12:10 pm</td>
<td>Discussion</td>
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<tr>
<td>12:10 - 12:30 pm</td>
<td>Break with Exhibitors and Posters</td>
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| 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, MSEd                  |
| 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

<table>
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<tr>
<td>6:30 - 8:00 am</td>
<td>PBLDs (Please see Page 11 for details)</td>
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<td>7:00 - 8:00 am</td>
<td>Continental Breakfast with Exhibitors and Posters</td>
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**Core Lectures – The Pediatric Patient with Neurologic Disease**  
*Moderator – Randall P. Flick, MD, MPH, FAAP*

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<tr>
<th>Time</th>
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| 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
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 Cardiomyopathy and Difficult Airway for PEG Tube Placement
Jon Tomasson, MD; Mohamed A. Mahmoud, MD

**Table #2** Sickle Cell Disease in an Infant with Tricuspid Atria
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 Laser 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 Dobija, 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
Lisa Heyden, MD; Lewis A. Coveler, MD

**Table #10** Sold Out Pathy 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 Hypo- spadius Repair
Swati N. Patel, MD; Ibah Ayad, MD

**Table #14** Lethargy Post Operative Day One – Could This be Your Anesthetic?
Catherine 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 Old Jehovah’s Witness Patient in Premature Labor and Bleeding
Tae W. Kim, MD; Eugene 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; Perez K. Shroff, MD

**Table #20** SOLD OUT Pulmonary Lesions: Urgent Resection of CLEs and COAMs 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
Anne Yung, 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 Intraoperative Pulmonary Embolism
Ihab Ayad, MD; Swati N. Patel, MD

**Table #25** Pierre Robin Sequence and Pyloric Stenosis
Heather Naumann, MD, Andrew Pittaway, MBBS, FRCA

**Table #26** SOLD OUT/Cardiomyopathy
J. Fay Jou, MD; Lori A. Aronson, MD, FAAP

**Table #27** SOLD OUT Ostial Mass for XRT and Biopsy
Tonya LK Miller, MD; Lynda J. Means, MD, FAAP

**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, MD, CHB

**Table #30** Complications during Sclerotherapy for Blue Rubber Bleb Nevus Syndrome
Sabine Kost-Bryer, MD; Tiffany Owens, MD

**Table #31** Anesthesia for ECT in a Child with Neurolept Malignant Syndrome
Michelle Sheh, MD; George Mychaskow, DO

**Table #32** SOLD OUT in a Twelve Day Old Infant undergoing Laparoscopic Pyloromyotomy
Susan P. Taylor, 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...
Vinip 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 a Pediatric Patient with a Large Mediastinal Mass for VATS with Biopsy
Shelly-Anne Rodriguez, MD; Alina V. Boda, MD

**Table #38** Intrahepatic Local Anesthetic Infusion as a Treatment for CRPS in a Child
Ira Landsman, MD; Thanh Nguyen, MD

**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-Delerme, MD

**Table #42** Hyperkalemic Cardiac Arrest in a 2 Month Old undergoing Resection of Prior Fossa Decompression with Intraoperative Neuromonitoring
Divya Dixit, MD; Alfred T. Dorsey, MD, FAAP

**Sunday, April 18, 2010**
Please mark your 1st, 2nd and 3rd choices.

**Table #27** SOLD OUT cidual Mass for XRT and Biopsy
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Name: _____________________________ TOTAL $: __________
## Workshops & Refresher Courses

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

### Thursday, April 15, 2010

<table>
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<tr>
<th>CHOICE</th>
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</table>
|        | 3:00-6:00 pm | Advanced Ultrasound Guided Regional Anesthesia Workshop: SENIOR FACULTY - Santhanam Suresh, MD, FAAP; Adrian T. Bosenberg, FFA (SA); Per-Anne Lonnqvist, MD; Edward R. Mariano, MD, ASSOCIATE FACULTY - Hyun Kee Chung, MD; Senthil Kumar Sadhasivam, MD; Steve Santangelo, MD; Jeffrey L. Steinfeldt, MD  
STATIONS: Upper Extremity, Lower Extremity, Truncal and Central Neuraxial | $175 |

### Friday, April 16, 2010

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<tbody>
<tr>
<td></td>
<td>1:30-3:30 pm</td>
<td>Junior Faculty Research Workshop: Jerome Parness, MD, Ph.D</td>
<td>N/C</td>
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<tr>
<td></td>
<td>1:30-3:30 pm</td>
<td>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</td>
<td>N/C</td>
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<td></td>
<td>4:00-6:00 pm</td>
<td>Epidural: Christine D. Greco, MD, FAAP; F. Wickham Kraemer, Jr, MD; Constance Monitto, MD; Navil F. Sethan, MBChB</td>
<td>$60</td>
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<tr>
<td></td>
<td>4:00-6:00 pm</td>
<td>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</td>
<td>$60</td>
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<tr>
<td></td>
<td>4:00-6:00 pm</td>
<td>Peripheral Vascular Access: Gregory J. Schears, MD; Darryl H. Berkowitz, MB, BCH; Dawit T. Haile, MD; Scott D. Markowitz, MD; Luis M. Zabala, MD</td>
<td>$60</td>
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<tr>
<td></td>
<td>4:00-6:00 pm</td>
<td>TEE: James A. DiNardo, MD; Lauren J. Cornella, MD; Jochen D. Muethschiegel, MD</td>
<td>$60</td>
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|        | 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-Anne Lonnqvist, MD; Edward R. Mariano, MD, ASSOCIATE FACULTY - Robert W. Power, MD; Amod Sawardekar, MD, Mounir Soliman, MD; Andreas H. Taenzer, MD  
STATIONS: Upper Extremity, Lower Extremity, Truncal and Central Neuraxial | $175 |

### Refresher Courses

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<tbody>
<tr>
<td></td>
<td>1:30-2:30 pm</td>
<td>Pediatric Jehovah's Witness and Other Dilemmas: Samuel D. Wald, MD</td>
<td>N/C</td>
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<tr>
<td></td>
<td>2:30-3:30 pm</td>
<td>Pediatric Airway Management, Current Modalities: Paul Stricker, MD</td>
<td>N/C</td>
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### Saturday, April 17, 2010

<table>
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<tbody>
<tr>
<td></td>
<td>1:30-3:30 pm</td>
<td>Fellows Research Workshop: Alan R. Tait, PhD</td>
<td>N/C</td>
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<tr>
<td></td>
<td>1:30-3:30 pm</td>
<td>Epidural Workshop: John B. Rose, MD, FAAP; Raeford E. Brown, Jr., MD; Kenneth R. Goldschneider, MD, FAAP; F. Wickham Kraemer, Jr, MD</td>
<td>N/C</td>
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</table>
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STATIONS: Upper Extremity, Lower Extremity, Truncal and Central Neuraxial | $175 |
|        | 1:30-4:30 pm | Simulation Workshop: Anita Honkanen, MD; Richard H. Blum, MD, MSE, FAAP; Michael I. Chen, MD; Rebecca E. Claure, MD; Harshad G. Gunanay, MD; Robbie Hales, MD; Aruna T. Nathan, MBBS; Manikula Navaratnam, MB, BCH; 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; Glynn D. Williams, MB, BCH; FRCA | $60  |
|        | 1:30-4:30 pm | ACGME Core Workshop: Samuel David Yanofsky, MD, MSEd; Ira T. Cohen, MD, MEd; Barry Markowitz, MD, MPH; Niurka Rivero, MD; Randall Watetel, 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 Ueijma, MD | $60  |

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<tr>
<td></td>
<td>1:30-2:30 pm</td>
<td>We Have Come A Long Way... Is There Anything Left to Do? An Update on Acute Pediatric Pain Management: Sabine Kost Byerly, MD</td>
<td>N/C</td>
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<tr>
<td></td>
<td>2:30-3:30 pm</td>
<td>Anesthesia for Noncardiac Surgery in a Patient With CHD: Steve Stayer, MD</td>
<td>N/C</td>
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**Please submit this form with the Pediatric Anesthesiology 2010 Scientific Program Registration form on Page 13**

Name (Please print): __________________________________________________________________________________________
If paying by check, please make checks payable to SPA and mail to:
2209 Dickens Road, Richmond, VA 23230-2005; Phone: (804) 282-9780; Fax: (804) 282-0090; e-mail: spa@societyhq.com

PLEASE PRINT OR TYPE

Name__________________________________________________________________________________
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Preferred Mailing Address ____________________________________________________________________________________________________
City / State / Zip  _________________________________________________  Email Address _______________________________________________
Office Phone _________________________________  Home Phone _______________________________  Fax # _______________________________

☐ SPA/AAP Section on Anesthesiology Member       $495  $595  =  $
☐ Non-Member - US & Canada                        $695  $770  =  $
☐ Non-Member - International                      $495  $595  =  $
☐ Resident/Fellow Member*                         $160  $185  =  $
☐ Resident/Fellow* (Non-Member)                    $200  $225  =  $
☐ Allied Health                                   $325  $350  =  $
☐ Nurse Anesthetist                               $325  $350  =  $
☐ Thursday PALS Course (Incl. lunch & book)       $250  MUST BE A SPA REGISTRANT TO ATTEND  =  $
☐ Workshops & Refresher Courses                  (Please enter the total amount from page 12, and return that page with your selections.)  =  $
☐ PBL Discussions                                (Please enter the total amount from page 11, and return that page with your selections.)  =  $
☐ I’ll attend the Friday Reception                No Charge  MUST BE A SPA REGISTRANT TO ATTEND  No Charge
☐ Accompanying Person(s) #______ @               $35  $50  =  $
Accompanying Person(s) Name(s):______________________
☐ SPA Educational/Research Fund Donation‡ ($50 is suggested) =  $

Meeting Total:  =  $

Accompanying Person Fee includes: Entrance to Exhibit Hall, Welcome Reception, and Continental Breakfasts.
‡The SPA is a 501(c) 3 organization and your donations are tax deductible as allowed by law. All voluntary contributions will be acknowledged.
*When accompanied by a letter from Department Chairperson, verifying Resident/Fellow status.

If applying for SPA Membership, please complete Membership Application, and send with this Registration Form to:
SPA, 2209 Dickens Road, Richmond, VA 23230-2005  (Credit Card payments may be faxed to 804-282-0090.)
☐ Personal Check ☐ VISA ☐ MasterCard ☐ American Express ☐ Discover

Card No ____________________________________________ Exp. Date ____________________________________________
Signature ____________________________________________ Printed Name on Card ___________________________

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.

IF YOU DO NOT RECEIVE A CONFIRMATION LETTER FROM THE SPA WITHIN 30 DAYS OF SUBMITTING YOUR REGISTRATION, PLEASE CALL/EMAIL THE OFFICE TO CONFIRM THAT YOUR REGISTRATION MATERIAL HAS BEEN RECEIVED.
HOTEL RESERVATION FORM – Please complete and return this form to:
The Grand Hyatt San Antonio
600 E. Market Street • San Antonio, Texas, USA 78205
Tel: 210-224-1234 • Fax: 210-451-6436 • Reservations: 800-233-1234
To make a reservation online, go to: https://resweb.passkey.com/go/SPA2010

Please print or type
Name_______________________________________________________________________________________________________
Last  First   MI
Preferred Mailing Address ________________________________________________________________________________________
City, State, Zip, Postal Code _______________________________________________________________________________________
Office Phone (______) _____________________________________ Home Phone (______) ___________________________________
Email __________________________________________________ Fax # (______) ________________________________________
Accompanying Person(s) Name(s) ______________________________________________________ #Adults _______ #Children_______

Rates at the Grand Hyatt San Antonio:
Single ................................... $239 Double.................................... $264 Grand Club* .................................... $324
*Grand Club – our exclusive “hotel within a hotel” is a refreshing oasis for guests who desire a higher level of service and privacy. Spacious guest rooms reflect heightened refinement, with additional features such as continental breakfast, newspaper and evening hors d’oeuvres provided daily. The private Grand Club lounge offers the ideal setting for casual social gatherings. A dedicated concierge staff is available at all times to provide personalized service.

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.

Please Reserve:
[ ] Rooms My Arrival Date is: __________________ Arrival Time: ___________________ My Departure Date is: ________________
[ ] Non Smoking  [ ] Smoking  [ ] King  [ ] Double/Double  (Based on availability)

Special Requests: ______________________________________________________________________________________________

In order to guarantee your reservation, a credit card will be required.
[ ] Please charge first night’s deposit to my:  [ ] VISA  [ ] MasterCard [ ] American Express [ ] Discover
[ ] JCB [ ] Diners Club [ ] Carte Blanche

Card No. ___________________________________ Exp. Date ____________________________
Signature __________________________________ Name Printed on Card ______________________

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 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
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

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
MEMBERSHIP APPLICATION

Last Name: ___________________________ First Name: ___________________________ Mi: __
☐ MD  ☐ DO  ☐ PhD  ☐ CRNA  ☐ Other

Preferred Mailing Address: _____________________________________________________________

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:

☐ ACTIVE MEMBERSHIP: ................................................................................................................................. $175
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
Active and affiliate SPA members qualify for joint membership with the Congenital Cardiac Anesthesia Society.
       ☐ 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
International SPA members qualify for joint membership with the Congenital Cardiac Anesthesia Society.

☐ RESIDENT/FELLOW MEMBERSHIP: ........................................................................................................... $40
Physicians in an approved residency training program or performing post residency fellowship training (not to exceed five years). Resident
membership requires endorsement by program director. ☐ Check if you are a fellow in pediatric anesthesia.

Residency Location: _____________________________________________________________

Completion Date: ________________ Signature of Program Director: ___________________________

Payment Options:

☐ Check or Money Order Enclosed (US Funds) Made Payable to: SPA, 2209 Dickens Rd., Richmond, VA 23230-2005.

☐ AmEx  ☐ Mastercard  ☐ Visa  ☐ Discover  Card Number: ___________________________

Expiration Date: __________________________ Printed Name on Card: ___________________________

Signature: __________________________ Date: __________________________
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