2007 PEDIATRIC ANESTHESIOLOGY

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

March 8-11, 2007
Pointe Hilton Squaw Peak • Phoenix, Arizona

www.pedsanesthesia.org

ABSTRACT DEADLINE: NOVEMBER 1, 2006
Soon we will gather once again for the joint winter meeting of the Society for Pediatric Anesthesia and the Section on Anesthesiology and Pain Medicine of the American Academy of Pediatrics. The 12th annual Winter Meeting is scheduled for March 8-11 at the Pointe Hilton Resort at Squaw Peak in Phoenix, AZ, a beautiful venue for what I expect will be another terrific meeting.

The 2007 meeting has many highlights including:

The first meeting of the CCAS, The Congenital Cardiac Anesthesia Society, will precede the regular meeting on Thursday the 8th. Every other year CCAS will meet as a part of the SPA/AAP Winter Meeting with a program that is open to those registering for that portion of the meeting.

A session will be devoted to the complex pediatric airway with lectures on airway development, imaging and finally, a discussion led by Robin Cotton on airway reconstruction.

The second session on Friday will be devoted to genetics and include a primer on genetics for the anesthesiologist as well as three entertaining and informative lectures that highlight anesthetic challenges in pediatric patients with syndromes, genetic, or metabolic disorders.

On Friday afternoon attendees will be entertained and informed by a panel discussion on Medicine and the Media featuring an anesthesiologist, a communications specialist, and a producer from the Today Show.

We have added workshops on Simulation, Financial Planning and Ultrasound Applications in Vascular Access. The Regional Anesthesia workshop will also include a strong component on the use of ultrasound.

Favorites such as Jeopardy, The Ten Best Articles, the AAP Advocacy Lecture, Walk Around Poster and AAP Awards remain in this year’s program. In response to strong demand the number of Problem Based Learning Discussions has been increased and will be offered on both Saturday and Sunday mornings.

It has been my pleasure and honor to represent the members of the SPA Education Committee and the Executive Committee of AAP Section on Anesthesia and Pain Medicine in helping to assemble the 2007 program. A special thanks to the SPA office staff, the SPA Board and all those who have contributed to the 2007 program.

Thanks for your support of the SPA. I hope you enjoy the meeting.

Randall Flick, M.D., M.P.H., F.A.A.P.

Dr. Randall Flick, M.D., M.P.H., F.A.A.P.
Winter Meeting Program Chair
The annual Winter 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 anesthesiology and/or critical care. It is also intended for clinical and basic science researchers whose areas of investigation relate to pediatric anesthesia.

**Accreditation & Designation**

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 28 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 January 16, 2007 in order to receive service.
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University of California San Francisco
San Francisco, CA

Maurice S. Zwaas, MD
University of California San Francisco
San Francisco, CA
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:45 am</td>
<td>Registration &amp; Continental Breakfast</td>
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<tr>
<td>7:30 - 7:40 am</td>
<td>Welcome Address</td>
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<tr>
<td></td>
<td>Dean Andropoulos MD, <strong>CCAS President</strong></td>
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<tr>
<td>7:40 - 7:45 am</td>
<td>Outline of Educational Session</td>
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<tr>
<td></td>
<td>Chandra Ramamoorthy, MBBS, FRCA <strong>Program Director</strong></td>
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<tr>
<td>7:45 AM - 9:15 AM</td>
<td><strong>HYPOPLASTIC LEFT HEART SYNDROME</strong></td>
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<td>Moderator: James DiNardo, MD</td>
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<td></td>
<td><strong>HLHS: Long-term Survival and Neuro-developmental Outcomes</strong></td>
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<tr>
<td></td>
<td>Susan Nicolson, MD</td>
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<td><strong>NIRS Monitoring in HLHS: Can it Make a Difference?</strong></td>
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<td>George Hoffman, MD</td>
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<td><strong>Newer Strategies for Neuroprotection</strong></td>
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<td></td>
<td>Dean Andropoulos, MD</td>
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<tr>
<td>9:15 - 9:30 am</td>
<td>Break</td>
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<tr>
<td>9:30 AM - 11:00 AM</td>
<td><strong>ANATOMY AND ARRYTHMIAS</strong></td>
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<td></td>
<td>Moderator: Chandra Ramamoorthy, MBBS, FRCA</td>
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<tr>
<td></td>
<td><strong>Morphological Aspects of Congenital Heart Disease: Correlation with TEE</strong></td>
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<td>Norman Silverman, MD, DSC, FACC</td>
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<td></td>
<td><strong>Intraoperative Arrhythmias: Diagnosis and Management</strong></td>
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<td></td>
<td>Karen Booth, MD</td>
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<tr>
<td>11:15 AM -12:20 PM</td>
<td><strong>PULMONARY HYPERTENSION</strong></td>
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<td>Moderator: Helen Holtby, MBChB</td>
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<td></td>
<td><strong>Perioperative Management of Pulmonary Hypertension</strong></td>
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<td></td>
<td>Robert H. Friesen, MD</td>
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<td></td>
<td><strong>Lung Transplant in Infants and Children: An Update</strong></td>
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<td>Anshuman Sharma, MD, FFARCSI</td>
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<td></td>
<td><strong>Case Presentation and Panel Discussion: “Dangerous Times in out-of-the-way Places: MRI and Pulmonary Hypertension”</strong></td>
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<td></td>
<td>Helen Holtby, MB, ChB; Anshuman Sharma, MD, FFARCSI; Robert H. Friesen, MD</td>
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<tr>
<td>12:30 to 1:30 pm</td>
<td>Lunch sponsored by CCAS</td>
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<td>1:30 - 2:10 pm</td>
<td>Pro-Con Debate: Aprotinin Should Routinely be Used</td>
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<td>in Infants and Children Undergoing Complex Open Heart Surgery</td>
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<td>Moderator: Bruce Miller, MD</td>
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<td><strong>Pro</strong>: Paul Reynolds, MD; <strong>Con</strong>: Glyn Williams MB, ChB, FRCA</td>
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<tr>
<td>2:20 - 2:45 pm</td>
<td><strong>PBLD: 16-year-old Female, S/p TOF Repair for Laparoscopic Cholecystectomy</strong></td>
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<td>2:45 - 3:00 pm</td>
<td>Mid-Afternoon Break</td>
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<tr>
<td>3:00 PM - 5:00 PM</td>
<td><strong>WORKSHOPS</strong></td>
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<tr>
<td>3:00 - 4:00 pm</td>
<td>Transesophageal Echocardiography in Children: An Interactive Session on Common Congenital Cardiac Defects</td>
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<td>Wanda Miller-Hance, MD</td>
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<td>4:00 - 5:00 pm</td>
<td>Pacemakers: Everything You Always Wanted to Know but Were Afraid to Ask</td>
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<td>Naomi J. Kertesz, MD</td>
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<td>5:00 PM - 6:00 PM</td>
<td><strong>SPECIAL THURSDAY RECEPTION</strong></td>
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<td>The Board of Directors and Past Presidents invite all interested members to attend this reception.</td>
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<td>We hope to stimulate your interest in becoming more involved with your society. Register today.</td>
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<tr>
<td>6:00 - 7:30 PM</td>
<td><strong>SPA WELCOME RECEPTION</strong></td>
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## PROGRAM

**FRIDAY, MARCH 9, 2007**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:30 am - 6:00 pm</td>
<td>Registration</td>
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<tr>
<td>7:00 - 7:45 am</td>
<td>Continental Breakfast With Exhibitors</td>
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<tr>
<td>7:45 - 8:00 am</td>
<td>Welcome Messages</td>
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<tr>
<td>Jayant Deshpande, MD; Randall Flick, MD, MPH, FAAP; Thomas Mancuso, MD, FAAP</td>
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<tr>
<td><strong>8:00 AM - 10:20 AM</strong></td>
<td><strong>THE COMPLEX PEDIATRIC AIRWAY</strong></td>
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<tr>
<td>Moderator: Aubrey Maze, MD</td>
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<tr>
<td>8:00 - 8:30 am</td>
<td>Developmental Pathology of the Infant Airway</td>
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<td>Robert Holzman, MD, FAAP</td>
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<td>8:30 - 9:00 am</td>
<td>Imaging the Obstructed Airway</td>
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<td>Raanan Arens, MD</td>
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<tr>
<td>9:00 - 9:40 am</td>
<td>Reconstructing the Airway</td>
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<td>Robin Cotton, MD</td>
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<tr>
<td>9:40 - 9:50 am</td>
<td>Discussion</td>
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<td>9:50 - 10:20 am</td>
<td>Break</td>
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<tr>
<td><strong>10:20 AM - 12:00 PM</strong></td>
<td><strong>GENETICS AND THE PEDIATRIC ANESTHESIOLOGIST</strong></td>
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<td>Moderator: Joseph R. Tobin, MD, FAAP, FCCM</td>
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<tr>
<td>10:20 - 10:50 am</td>
<td>Pharmacogenetics in Pediatric Anesthesiology: A Primer</td>
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<td>Evan Kharasch, MD</td>
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<td><strong>SYNDROMES, ASSOCIATIONS &amp; SEQUENCES</strong></td>
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<td>10:50 - 11:10 am</td>
<td>When Nitrous is No Laughing Matter</td>
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<td>Vic Baum, MD</td>
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<td>11:10 - 11:30 am</td>
<td>When Succ.’s Sux</td>
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<td>Jennifer O’Flaherty, MD, MPH</td>
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<td>11:30 - 11:50 am</td>
<td>When Propofol is Problematic</td>
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<td>Phil Morgan, MD</td>
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<tr>
<td>11:50 am - 12:00 pm</td>
<td>Discussion</td>
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<tr>
<td>12:00 - 1:00 pm</td>
<td>Lunch Break</td>
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<tr>
<td><strong>1:00 PM - 2:00 PM</strong></td>
<td><strong>MEDICINE AND THE MEDIA</strong></td>
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<tr>
<td>Moderator: Nancy Glass, MD, MBA, FAAP; Will McIlvaine, MD, CM, FRCP; Jennifer Gentile, NBC Today Show/Network Producer; Lee Aase, Manager, Media Relations, Mayo Clinic</td>
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<tr>
<td>2:00 - 2:10 pm</td>
<td>Discussion</td>
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<tr>
<td>2:10 - 3:30 pm</td>
<td>Jeopardy</td>
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<td>Myron Yaster, MD, FAAP; Fritz Berry, MD; David Polaner, MD, FAAP; Aubry Maze, MD</td>
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<tr>
<td>3:30 - 4:00 pm</td>
<td>Break</td>
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<tr>
<td>4:00 - 6:00 pm</td>
<td>FRIDAY REFRESHER COURSES &amp; WORKSHOPS</td>
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<tr>
<td>6:00 - 7:00 pm</td>
<td>WINE &amp; CHEESE RECEPTION WITH EXHIBITORS</td>
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The following two workshops are being held from 1:15-3:30 pm. Please sign-up for your choice using the registration form. Lunch is provided.

- **FELLOWS RESEARCH WORKSHOP**
  - Alan R. Tait, MD,
  - Jerrold F. Lerman, MD
  - Pre-registration required

- **JUNIOR FACULTY WORKSHOP: SUCCESS IN ACADEMICS**
  - Joseph R. Tobin, MD
  - Mary Lou Voytko, PhD
  - Pre-registration required
### FRIDAY REFRESHER COURSES:

<table>
<thead>
<tr>
<th>Time</th>
<th>Course Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>4:00–5:00 pm</td>
<td>Intraoperative Management of DM: Whats New?</td>
<td>Zulfiqar Ahmed, MBBS, FAAP</td>
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<tr>
<td>4:00–5:00 pm</td>
<td>Non-Cardiac Surgery for Adults with CHD</td>
<td>Martin Abel, MD</td>
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<tr>
<td>5:00–6:00 pm</td>
<td>Care of the Pediatric Burn Patient</td>
<td>Sanjay M. Bhananker, MD</td>
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<tr>
<td>5:00–6:00 pm</td>
<td>Sickle Cell &amp; Anesthesia</td>
<td>Sal Goodwin, MD, FAAP</td>
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### FRIDAY WORKSHOPS:

<table>
<thead>
<tr>
<th>Time</th>
<th>Workshop Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>4:00–6:00 pm</td>
<td>Epidural</td>
<td>Christine Greco, MD, FAAP; Stephen Hays, MD, FAAP; Brenda C. McClain, MD; Chuck Schrock, MD</td>
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<tr>
<td>4:00–5:00 pm</td>
<td>Magical Distractions for Children</td>
<td>Chris Abajian, MD, FAAP; Charles Eastwood, MD, CM</td>
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<tr>
<td>4:00–6:00 pm</td>
<td>Overview of Personal Financial Planning</td>
<td>Jon Griswold, MD</td>
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<tr>
<td>4:00–6:00 pm</td>
<td>Acupuncture</td>
<td>Yuan-Chi Lin, MD; Brenda Golianu, MD</td>
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<tr>
<td>4:00–6:00 pm</td>
<td>Peripheral Nerve Blocks</td>
<td>Santhanam Suresh, MD, FAAP; Peter Marhofer, MD</td>
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<tr>
<td>4:00–6:00 pm</td>
<td>Ultrasound Applications in Vascular Access</td>
<td>Stuart Hall, MD; Tetsu Uejima, MD</td>
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<tr>
<td>4:00–6:00 pm</td>
<td>Medicine Beyond the Borders: A Guide to Medicine in the Developing World</td>
<td>Victor Baum, MD; Scott D. Cook-Sather, MD; Quentin Fisher, MD; George A. Gregory, MD, FAAP; George Politis, MD, MPH</td>
</tr>
</tbody>
</table>
7:00 - 8:30 am PROBLEM BASED LEARNING DISCUSSIONS

1. Pain Management after Shoulder Arthroscopy
   Lynne Maxwell, MD, FAAP; Arjunan Ganesh, MBBS

2. Multiple Trauma in an 8-year-old
   Iris Soliman, MD; Dorenn E. Soliman, MD

3. The Perioperative Management of a Diabetic Using Insulin Pump Therapy
   Sandra Barcelona, MD; Tetsu Uejima, MD

4. 12 year-old male with Duchenne's Muscular Dystrophy
   for Spinal Instrumentation and Fusion
   Linda Mason, MD; Elizabeth Ghazal, MD

5. Medical Error in a Trauma Patient Requiring CPR
   David A. Young, MD, FAAP; Cheryl Gore, MD

6. Ex-preemie with Unrecognised Difficult Airway for MRI
   Desmond B. Henry, MD; Dheeraj Ahuja, MD

7. Toddler With Sleep Apnea For Strabismus Repair
   Rita Agarwal, MD, FAAP; Cari Meyer, MD

8. Neonate for Repair of Diaphragmatic Hernia on ECMO
   Gregory Schears, MD; James Lynch, MD

9. Opiod Tolerance and Hyperalgesia in Infants and Children
   Julia Finkel, MD; Yewande Johnson, MD

10. 2 month-old with TOF for Urgent Hernia Repair; Presented with the Baby Simulator
    Christer Jonmarker, MD, PhD; Daniel Rubens, MD, FANZCA

11. 1 year-old with Osteogenesis Imperfecta for Femoral Osteotomies
    Kim Hanson, MD, PhD; Guy Patrick Williams, DO

12. 14 year-old Honor Student, Star Athlete, and First-chair Violinist with a “24/7” Headache
    Tom Vetter, MD; Ken Goldschneider, MD, FAAP

13. 9 month-old Lap Nissen - Aspiration
    Carolyn Bannister, MD; Peter Kovatsis, MD

14. Neonate with Vein of Galen Aneurysm and CHF
    Ira Landsman, MD; Matt Roberts, MD

15. 10 year-old with Post-Tonsillectomy Bleeding was Taking What??
    Anjana Kundra, MBBS, MD; Anne M. Lynn, MD

16. 8 year-old Fontan for Appy
    Paul Hickey, MD; Steve Tosone, MD

8:30 - 10:30 am Smith Award & Abstract Awards
10:00 - 10:45 am AAP Advocacy Talk
   Diversity Linkages in Pediatrics: Those Who Serve & Those We Serve
   Joan Y. Reede, MD, MPH, MS

10:45 - 11:00 am Questions & Discussion
11:00 am - 12:30 pm Walk-around Poster Discussion
12:30 - 1:30 pm Lunch
   Sponsored by The Mayo Clinic and Valley Anesthesia Associates
12:30 - 1:30 pm AAP Business Meeting/Ask The Experts Panel
   Connie Houck, MD; Christina M. Pabelick, MD
1:30 - 3:30 pm Workshops & Refresher Courses

Select one (1) PBLD for Saturday and/or one (1) PBLD for Sunday.
SATURDAY REFRESHER COURSES:

1:30–2:30 pm  The Cervical Spine in Dwarfism and Other Syndromes
Mary Theroux, MD

1:30–2:30 pm  Universal NPO Guidelines
Mark Warner, MD

2:30–3:30 pm  Neonatal Emergencies
Gavin Fine, MB, BCh

2:30–3:30 pm  Mediastinal Masses & Anesthesia
Lynne R. Ferrari, MD, FAAP

SATURDAY WORKSHOPS:

1:30–3:30 pm  Airway
Anshuman Sharma, MD, FFARCSI;
Kirk Lalwani, MD, FRCA; Patrick N. Olomu, MD, FRCA; Ashwani K. Chhibbar, MD; James Choi, MD; Veronica C. Swanson, MD; Gregory J. Scheers, MD; Isabella Mukherji, MD; M. Gail Boltz, MD; Laura Torres, MD

1:30–3:30 pm  Epidural
John Rose, MD, FAAP;
Ken Goldschneider, MD, FAAP;
Thomas Shaw, MD; Arjunan Ganesh, MBBS

1:30–2:30 pm  Magical Distractions for Children
Chris Abajian, MD, FAAP;
Charles Eastwood, MD, CM

1:30–3:30 pm  Peripheral Nerve Blocks
Santhanam Suresh, MD, FAAP;
Peter Marhofer, MD, Michael Mitton, CRNA

1:30–3:30 pm  Ventilators/Ventilation Modes
Jeff Feldman MD; Steve Stayer MD, FAAP;
Michael Mitton, CRNA

1:30–4:30 pm  Simulation in Pediatric Anesthesia
Jennifer Anderson, MD; Michael Chen, MD (Technical Director); Alice Edler, MD, MA (Education); Al Hackel, MD, FAAP (Coordinator); Anita Honkanen, MD (Director); T. Kyle Harrison, MD; Chandra Ramamoorthy, MBBS, FRCA (Coordinator); Radhamangalam Ramamurthi, MD, MBBS, FRCA; Anthony Stanzi, MD; Glyn Williams, MBChB, FFA (SA)
To be conducted at Phoenix Children’s Hospital. Transportation will be provided.
7:00 - 7:30 am   Continental Breakfast

7:00 - 8:30 am   Problem Based Learning Discussions Repeat – See Page 9.

8:30 - 9:10 am   Sonosite Lecture:
A New Horizon in Paediatric Regional Anaesthesia – Ultrasonography
Peter Marhofer, MD
Supported By An Unrestricted Educational Grant From Sonosite

9:10 - 9:20 am   Discussion & Questions

9:20 AM - 10:10 AM   NEW DRUGS, OLD APPLICATIONS/OLD DRUGS, NEW APPLICATIONS
Moderator: Jerrold Lerman, MD

  9:20 - 9:40 am   Sugammadex
Wayne Nicholson, MD

  9:40 - 10:00 am   Dexmetotomidine
R. Blaine Easley, MD

10:00 - 10:10 am   Discussion & Questions

10:10 AM - 11:50 AM   TEN BEST ARTICLES
Moderator: Peter Davis, MD

  10:10 - 10:30 am   Regional
Harshard Gurnaney, MD

  10:30 - 10:50 am   Cardiac
Wanda Miller-Hance, MD

  10:50 - 11:10 am   Technology
Joel Gunter, MD

  11:10 - 11:30 am   Moderator's Pick

11:30 - 11:50 am   Discussion & Questions
Audience Response / Meeting Feedback
HOTEL RESERVATION FORM

Pediatric Anesthesiology 2007
March 8-11, 2007
Pointe Hilton Squaw Peak • Phoenix, Arizona

Please complete this form and mail with deposit to:
Pointe Hilton Squaw Peak • Attn. Reservations • 7600 North 16th St. • Phoenix AZ 85020
Reservation Toll Free Phone: 800-876-4683 • Reservation Fax: 602-870-2703

(Please print or type)
Name ________________________________
Preferred Mailing Address ________________________________
City/State/Zip ____________________________________________________________________________
Office Phone (____) _________________________________ Home Phone (____) ___________________________
FAX (____) _________________________________ Email _________________________________________

Accompanying Person(s) Name(s) ____________________________________________________________
Adults ________ Children ________

Please Reserve: □ Single/Double ............................................. $225.00 Number rooms requested __________
□ Non Smoking □ Smoking □ King □ 2 Queens (Based on availability)
□ Queen/Queen

Pointe Hilton Squaw Peak Resort Value Pack: In response to guest’s feedback, we have created the optional Resort Value Pack Program. This amenity includes all of the services listed below for a daily fee of $9 plus tax, per suite, in addition to your suite rate. Our standard prices are listed below should you choose to pay for these services on an a la carte basis. Thank you and enjoy your stay with us!

• Complimentary Daily Tocasierra Fitness Centre Admittance** (without Resort Value Pack - $12 per person, per day, minimum age 14 years)
• Complimentary Westcor Shopping and Dining Incentives Book (local shopping centers; book contains up to $300 in savings. Present this voucher to any Westcor Mall Guest Services Desk for Coupon Booklet.)
• 18 – Hole Miniature Putting Course** (without Resort Value Pack - $5 per person, per day)
• One-Additional-Person Admittance into the River Ranch (without Resort Value Pack - $10 per person, per day)
• Tennis Court Time (60 minutes)** (without Resort Value Pack - $18 per hour)
• Unlimited Local Phone Calls* (without Resort Value Pack - $1 per call)
• Unlimited Incoming/Outgoing Domestic Faxes – excluding faxes through the Business Centre (without Resort Value Pack - $2 per page, incoming; $3 per page, outgoing; $10 per page for international)
• 10% Off Any Souvenir T-Shirt at the Gift Shoppe or Rodeo Drive*** (not good with any other offer)

* Not applicable to calls exceeding 60 minutes in duration.
** Maximum four people per suite and six people per casita.
*** Not applicable on sundry items, food or sale merchandise.

Special Requests: ________________________________________________________________
My Arrival Date is: ____________________________  My Departure Date is: ________________________
Arrival Time: ____________________________ (check-in time is after 3:00 pm)
Departure Time: ____________________________ (check-out time is before 12 noon)

Deposit/Cancellation: A credit card deposit in the amount of one night’s room and tax is required at time of the booking to confirm your reservation (a check or money order for one night’s room plus 12.07% sales tax is also acceptable). Seven days advance notice is required for cancellations or forfeit first night’s room and tax. In the event of early departure, one night’s room and tax is non-refundable unless the Resort is notified at the time of arrival, or 24 hours prior to new departure.

Method of Payment

□ Enclosed is my Check/Money Order payable to Pointe Hilton Squaw Peak in the amount of $___________.
Method of Payment: □ American Express □ VISA □ Diners Club □ MasterCard □ Discover
Credit Card No. ____________________________________________ Exp. Date __________________________
Signature ____________________________________________ Printed Name on Card _______________________

Cut-off Date: February 6, 2007
All rooms are subject to availability.
Scientific Program Registration

Pediatric Anesthesiology 2007
March 8 -11, 2007
Pointe Hilton Squaw Peak • Phoenix, Arizona

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

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) ___________________________________________________________

Through 1/22/2007  After 1/22/2007

☐ SPA Member $425 $525 = $__________
☐ AAP Section on Anesthesiology Member $425 $525 = $__________
☐ Non-Member - US & Canada $525 $625 = $__________
☐ Non-Member - International $425 $525 = $__________
☐ Resident/Fellow Member* $160 $185 = $__________
☐ Resident/Fellow* (Non-Member) $230 $255 = $__________
☐ Allied Health $225 $250 = $__________
☐ Nurse Anesthetist $225 $250 = $__________
☐ Workshops (Please enter the total amount from the reverse side of this form.) = $__________
☐ PBL Discussions (Please enter the total amount from the reverse side of this form.) = $__________
☐ Accompanying Person(s) #_____ @ $35 $50 = $__________
☐ SPA Educational/Research Fund Donation‡ ($50 is suggested) = $__________

CCAS Meeting (Thursday only)

Member $150 $200 = $__________
Non-member $225 $275 = $__________
Meeting Total = $__________

Accompanying Person Fee includes: Entrance to Exhibit Hall, Welcome Reception, Continental Breakfasts and Wine & Cheese Reception.

‡ 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.

I wish to receive membership information for:
☐ SPA  ☐ CCAS

How did you hear about the meeting?
☐ Website  ☐ Printed Program  ☐ Postcard Mailing
☐ Word of mouth  ☐ ASA Calendar of Meetings  ☐ Other ______________________

If applying for 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 1/22/2007; 50% refund from 1/23 - 1/31/2007; no refunds after 1/31/2007. 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.
FRIDAY & SATURDAY WORKSHOP REGISTRATION

Friday, March 9, 2007

<table>
<thead>
<tr>
<th>CHOICE</th>
<th>TIME</th>
<th>WORKSHOP &amp; FEE</th>
<th>AMOUNT</th>
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<tr>
<td></td>
<td>4:00 - 6:00 pm</td>
<td>Epidural</td>
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<td>Magical Distractions</td>
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<td></td>
<td>4:00 - 6:00 pm</td>
<td>Overview of Personal Financial Planning</td>
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<td></td>
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<td>Acupuncture</td>
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<td>4:00 - 6:00 pm</td>
<td>Ultrasound Applications in Vascular Access</td>
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<td>Medicine Beyond the Borders</td>
<td>n/c $</td>
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<td>1:15 - 3:45 pm</td>
<td>Junior Faculty Workshop: Success in Academics (Complimentary)</td>
<td>n/c $</td>
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<td></td>
<td>4:00 - 5:00 pm</td>
<td>Fellows Research Workshop (Complimentary)</td>
<td>n/c $</td>
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Saturday, March 10, 2007

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<tr>
<th>CHOICE</th>
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<td>Ventilators/Ventilation Modes</td>
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<td></td>
<td>1:30 - 4:30 pm</td>
<td>Simulation in Pediatric Anesthesia</td>
<td>$75</td>
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Saturday & Sunday, March 10 - 11, 2007

PBL Discussion Registration

Please select one (1) PBLD for Saturday and/or one (1) PBLD for Sunday. If your selection has been sold out, you will receive an e-mail notification from the SPA office presenting you with other options.

<table>
<thead>
<tr>
<th>Choice</th>
<th>Table</th>
<th>Amount</th>
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<tbody>
<tr>
<td></td>
<td>1. Pain Management after Shoulder Arthroscopy</td>
<td>$25</td>
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<tr>
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<td>2. Multiple Trauma in an 8-year-old</td>
<td>$25</td>
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<tr>
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<td>3. 14-year-old with Diabetes for Cataract Extraction</td>
<td>$25</td>
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<td>4. 12-year-old Male with Duchenne’s Muscular Dystrophy for Spinal Instrumentation and Fusion</td>
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<td>5. Medical Error in a Trauma Patient Requiring CPR</td>
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<td>6. Ex-preemie with Unrecognised Difficult Airway for MRI</td>
<td>$25</td>
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<td></td>
<td>7. Toddler with Sleep Apnea for Strabismus Repair</td>
<td>$25</td>
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<td></td>
<td>8. Neonate for Repair of Diaphragmatic Hernia on ECMO</td>
<td>$25</td>
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<td></td>
<td>9. Opioid Tolerance &amp; Hyperalgesia in Infants and Children</td>
<td>$25</td>
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<td>10. 2-month-old with Tetrology for Sedation Procedure</td>
<td>$25</td>
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<td>11. 1-year-old with Osteog. Imperfecta for Fem Osteotomies</td>
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<td>12. 14-year-old Honor Student, Star Athlete and First-chair Violinist</td>
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<td>13. 9-month-old Lap Nissen - Aspiration</td>
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<td></td>
<td>14. Neonate with Vein of Galen Aneurysm and CHF</td>
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<td>15. Complementary Alternative Medicine</td>
<td>$25</td>
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<td>16. 8-year-old Fontan For Appy</td>
<td>$25</td>
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</tbody>
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TOTAL AMOUNT DUE: $
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: ____________________________________________________________________________________________ $125

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: ______________________________________________________________________________________ $125

Physicians not eligible to be members of the ASA, non-physicians with an interest in pediatric anesthesia. May not vote and/or hold office.

☐ INTERNATIONAL MEMBERSHIP: ______________________________________________________________________________ $50

Physicians practicing outside of the US and Canada who have an interest in pediatric anesthesia.

☐ RESIDENT/FELLOW MEMBERSHIP: ______________________________________________________________________________ $75

Physicians in an approved residency training program or performing post residency fellowship training (not to exceed five years). Includes membership in SPA, IARS, SCA, SAMBA, STA and ISAP. Resident membership requires endorsement by program director. ☐ Check if you are a fellow in pediatric anesthesia.

Residency Location: _______________________________________________________________________________________

Completion Date: _____________________ Signature of Program Director: ________________________________

Referredby: __________________________________________________________________________________________

Payment Options (NO DEBIT CARDS ACCEPTED):

☐ 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: _____________________
The prerequisite for joining The Congenital Cardiac Anesthesia Society is a current membership to the Society for Pediatric Anesthesia (SPA). Please indicate your SPA membership number in the space below or join SPA now by filling out the appropriate portions of this form. If you have any questions or concerns, contact Joye Stewart at 804-282-9780 or via email at joye@societyhq.com.

☐ I am currently a member of SPA  SPA Membership #: ________________________  ☐ I would like to become a member of SPA

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: __________________________________________________________

________________________________________________________________________________

I HEREBY MAKE APPLICATION FOR CCAS

<table>
<thead>
<tr>
<th>AMOUNT(S) DUE</th>
<th>I HEREBY MAKE APPLICATION FOR SPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCAS Membership Dues</td>
<td>ACTIVE MEMBERSHIP (PHYSICIAN):</td>
</tr>
<tr>
<td>Payment to CCAS $___________</td>
<td>☐ SPA Membership $125.00</td>
</tr>
<tr>
<td>SPA Membership Dues</td>
<td>AFFILIATE MEMBERSHIP (NON-PHYSICIAN):</td>
</tr>
<tr>
<td>Payment to SPA $___________</td>
<td>☐ SPA Membership $125.00</td>
</tr>
</tbody>
</table>

Please include payment for SPA membership as well as CCAS membership if you are not a current SPA member.

Payment Options:
Check or Money Order Enclosed (US Funds) ☐  Made Payable to SPA ☐  Made Payable to CCAS

Checks must be made out separately to the appropriate society and mailed to: 2209 Dickens Rd., Richmond, VA 23230-2005.

☐ AmEx  ☐ Mastercard  ☐ Visa  ☐ Discover  No debit cards accepted.  Card Number: ____________________________

Expiration Date: ____________________________  Printed Name on Card: ____________________________

Signature: ____________________________ Date: ____________________________
OBJECTIVES

Course Objectives

Developmental Pathology of the Infant Airway
Upon Completion of this session attendees will have gained insight into the developmental origen of common congenital abnormalities of the pediatric airway.

Imaging the Obstructed Airway
Upon completion of this session attendees will have gained an understanding of the new methods of evaluating the pediatric airway

Reconstructing the Airway
This session will provide attendees with an understanding of the surgical techniques available for airway reconstruction provided by one of the leaders in the field.

 Syndromes, Associations & Sequences: When Nitrous is No Laughing Matter
After attending this session participants will have gained insight into the management of children with metabolic disorders that may limit the use of nitrous oxide

When Succ.’s Sux
After attending this session participants will have gained insight into metabolic and genetic disorders that may complicate the use of Succinylcholine

When Propofol is Problematic
Upon completion of this session attendees will have gained an understanding of those metabolic and genetic disorders that may complicate the use of propofol

Medicine and the Media
Following this session those in attendance will have gained insight into the pitfalls and rewards associated with the interaction between physicians, communications professionals and journalists.

Jeopardy
By attending this session attendees will be provided with a moderated tour of pediatric anesthesia in an interactive format.

Refresher Course Objectives

Intraoperative Management of DM: What’s New
Those attending this refresher course will gain insight into new agents and techniques increasingly used in the intraoperative management of diabetes in pediatric patients

Non - Cardiac Surgery For Adults With CHD
Attendees of this refresher course will be provided with a review of the increasingly common adult patient with congenital heart disease. Extensive use of echocardiographic imaging will be employed to illustrate various examples of adult congenital heart disease.

Care Of The Pediatric Burn Patient
Attendees will be provided an extensive overview of the perioperative management of the pediatric burn patient including acute care, fluid management, transfusion requirement, sedation.

Sickle Cell & Anesthesia
This refresher course will provide attendees with the latest information on transfusion recommendations and management techniques for recommended for the care of pediatric patients with Sickle Cell disease.

The Cervical Spine in Dwarfism and Other Syndromes
Attendees of this refresher course will be provided with an examination of the many conditions that affect the cervical spine in pediatric patients.

Universal NPO Guidelines
Attendees will be provided with an in depth examination of the current ASA NPO guidelines by the chair of the committee that produced them.

Neonatal Emergencies
This refresher course will give those attending an opportunity to review the management of common neonatal emergencies such as tracheo-oesophageal fistula, diaphragmatic hernia, omphalocele and others.

Mediastinal Masses & Anesthesia
The complex management of children with mediastinal masses will be discussed including use of various airway management techniques, anatomy, etiology and controversies regarding the use of general anesthesia

Workshop Objectives

Fellows Research Workshop
Upon completion of this workshop, the fellow will become familiar with study design, statistics, and forming appropriate questions for study. Challenges in research for clinical fellows, as well as strategies for meeting those challenges will be discussed. This workshop will also include a component of career development for the beginning faculty member.

CCAS Objectives

Hypoplastic Left Heart Syndrome
At the conclusion of this session the participants will be able to discuss the survival, outcomes of patients with HLHS. Examine the effects of monitoring technologies on these outcomes and discuss strategies for brain protection.
OBJECTIVES

HLHS: Long-Term Survival and Neuro-Developmental Outcomes
Objectives: At the end of this talk the participant will be able to:
1. Describe contemporary survival for staged reconstructive surgery for HLHS
2. Demonstrate that long term outcomes may be influenced by factors that exist prior to surgical intervention
3. Present neuro-developmental outcomes
4. Contrast outcomes of patients with HLHS with those of children with other forms of CHD.

NIRS monitoring in HLHS: Can It Make A Difference?
Objectives - At the end of this talk the participant will understand:
1. NIRS - what is it, what is and can be monitored?
2. Mechanisms of brain injury in HLHS
3. Perioperative strategies to improve brain oxygenation

Newer Strategies for Neuroprotection
Objectives - At the conclusion of this session, the participant will understand:
1. The best evidence-based practice to protect the brain during pediatric cardiac surgery.
2. The potential for erythropoetin to protect against neurological injury during pediatric cardiac surgery.

Anatomy and Arrhythmias
Morphological Aspects Of Congenital Heart Disease: Correlation With TEE
Objectives: At the end of this talk the participant will be able to:
1. Describe normal intracardiac anatomy
2. Understand the pathological correlations with TEE of common congenital heart lesions (e.g. ASD, VSD, TOF, AV Canal)

Intraoperative Arrhythmias: Diagnosis and Management
Objectives: At the conclusion of this talk the participant will be able to:
1. Differentiate between the various critical intraoperative arrhythmias
2. Be aware of tools available for rapid diagnosis
3. Learn to treat the arrhythmias

Pulmonary Hypertension
Perioperative Management of Pulmonary Hypertension
Objectives: At the end of this talk the participant will be able to:
1. List the risk of serious perioperative complications in children with pulmonary hypertension
2. Define a pulmonary hypertensive crisis and describe its common perioperative triggers
3. Describe the effects of anesthetic drugs on the pulmonary vasculature
4. Formulate a plan for treatment of acute exacerbations of pulmonary hypertension

Lung Transplant in Infants and Children: An Update
Objectives: At the conclusion of this lecture the participant will be able to discuss:
1. The current indications for Lung Transplant in infants and children
2. The perioperative considerations including pain management strategies
3. Outcomes following lung transplant

Case Presentation and Panel Discussion: Dangerous Times in Out-of-the-way Places: MRI and Pulmonary Hypertension
Objectives - At the end of this talk the participant will be able to:
1. Understand the anesthetic risk in children with pulmonary hypertension
2. Educate other health care practitioners on the ethics and benefits of diagnostic tests under general anesthesia in this high-risk population

Pro-Con Debate: Aprotinin Should Routinely Be Used In Infants And Children Undergoing Complex Open Heart Surgery
From this debate the participants will gain knowledge on the benefits and current controversies of aprotinin. Then based on evidence, develop indications for aprotinin usage in infants and children during heart surgery.

PBLD: 16-year-old Female, s/p TOF Repair for Laparoscopic Cholecystectomy
Objectives: At the end of this talk the participant will be able to:
1. Review the pathophysiology of post-TOF repair
2. Discuss the preoperative evaluation, investigations needed
3. Examine monitoring indications and intraoperative anesthetic plans
4. Evaluate postoperative pain management

Workshops
   At the conclusion of this workshop the participants will be able to evaluate common congenital heart defects, understand the important aspects of pre and postsurgical evaluation and the indications, contraindications and complications of using TEE in children.
2. Pacemakers: Everything You Always Wanted to Know but Were Afraid to Ask
   At the end of the workshop the attendee will understand:
   • The pacemaker jargon: VVI or VOO does it matter?
   • Temporary pacemakers: Effective use, and Programming do’s and don’ts
OBJECTIVES

- Reprogramming pacemaker prior to surgery: who needs it and what are the consequences
- How to use pacing wires to diagnose and treat postoperative arrhythmias
- Perioperative implication of ICD vs pacemaker: is there a difference?

SPA Objectives

Junior Faculty Workshop
Designed for the junior faculty member in Anesthesiology, the participant, upon completion of this panel-discussion workshop, will have an enhanced understanding of some of the activities and behaviors that lead to professional growth in an academic setting. Activities and behaviors that distract and derail development will also be discussed, as will the selection and development of a relationship with an effective mentor.

Airway
Upon completion of this workshop, the participant will be familiar with advanced airway management techniques, including the Bullard laryngoscope, the lighted stylette, the fiberoptic laryngoscope and bronchoscope, the airway camera, and options for establishing an emergency tracheostomy.

Epidural
Upon completion of this workshop, the participant will be able to explain the caudal to cervical approach, single-shot techniques, catheter placement and confirmation, monitoring, problem-solving and patient selection.

Magic
Upon completion of this workshop, the participant will be able to demonstrate magic illusions that can be employed to distract children (or surgeons) during induction of anesthesia and discuss the benefits of magic and other distractions to alternatives such as premedication.

Financial Planning
Upon completion of this workshop attendees will gain insight into a wide variety of aspects of personal financial planning including retirement planning investment options and tax law.

Acupuncture

Peripheral Nerve Blocks
Upon completion of this workshop, the attendee will understand the anatomy, techniques (including equipment and drug selection), application and potential complications of the most commonly utilized peripheral nerve blocks in children. Blocks discussed will include axillary, femoral, fascia iliaca, sciatic, ankle, and penile nerve blocks. Emphasis on the application of ultrasound will be a new addition to this popular workshop

Ventilators/Ventilation Modes

Ultrasound Applications in Vascular Access
Completion of this workshop will provide attendees with experience in the use of ultrasound for vascular access in a format that combines a didactic and hands-on approach.

Simulation in Pediatric Anesthesia
At the completion of this workshop, the participants will have experienced live scenarios of intraoperative pediatric crises using a simulator in an actual operating room environment. As the scenarios unfold, participants will have the opportunity to be part of the management team and get feedback on their performance in the simulated crisis or may choose to focus on learning about the evaluative process and educational benefits by participating as part of the debriefing teams. In addition participants will have gained knowledge on the value of simulation for the education of health care providers, ACRM, and systems analysis.

Medicine Beyond the Borders
A guide to Medicine in the Developing World
“Those attending this workshop will have the opportunity to interact with faculty with broad background and experience in the practice of anesthesia in the developing world. Logistics, staffing, safety, funding and many other aspects will be discussed.

PBLD Objectives
Problem-based learning discussions will offer the opportunity for group discussion with faculty and other attendees of common clinical problems. The format will highlight aspects of clinical decision-making including preoperative evaluation and preparation, anesthetic induction and intraoperative management and possible intra- and postoperative pain and other management dilemmas.
2007 Pediatric Anesthesiology

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

March 8-11, 2007
Pointe Hilton Squaw Peak • Phoenix, Arizona