International Assembly for Pediatric Anesthesia

Safety Knows No Borders

October 11 - 12, 2012
Marriott Wardman Park Hotel
Washington, DC

Society for Pediatric Anesthesia

education • research • patient safety

www.internationalassembly2012.org
WELCOME TO THE FIRST INTERNATIONAL ASSEMBLY FOR PEDIATRIC ANESTHESIA

The first International Assembly of Pediatric Anesthesia will be held October 11-12, 2012 at the Marriott Wardman Park Hotel in Washington, D.C. The meeting precedes the American Society of Anesthesiologists meeting, also in Washington D.C., and is intended to bring pediatric anesthesiologists from around the world to celebrate improvements in quality and safety, as well as the 25th Anniversary of the Society for Pediatric Anesthesia.

The theme of the meeting is “Safety Knows No Borders” and will feature speakers from more than 30 countries, with a keynote lecture by Peter J. Pronovost, MD, PhD, FCCM. Dr. Pronovost, an anesthesiologist-intensivist, is a recipient of a McArthur Genius Grant, currently serves as an advisor to the World Health Organization, and is the best-selling author of; Safe Patients, Smart Hospitals: How One Doctor’s Checklist Can Help Us Change Health Care from the Inside Out.

Other meeting highlights include interactive case management sessions, hands-on workshops; problem based learning discussions and abstracts submitted by young scholars from around the world. The International Scholars program provides financial support to promising young faculty from resource poor countries, allowing recipients to attend and participate in the meeting.

Washington D.C. is a beautiful location for the Assembly. The city is easily accessible from domestic and international locations. A truly cosmopolitan city, it is home to an enormous variety of museums, monuments, and galleries most of which are free of charge. Hotels, public transportation and shopping are readily accessible and absolutely world class.

EDUCATION MISSION STATEMENT
The International Assembly for Pediatric Anesthesia will focus on topics of interest to those who provide anesthesia, sedation, pain management, and critical care services to infants and children around the world. The overall goals for attendees of the program are to reinforce and enhance their existing fund of knowledge, to introduce them to new and state-of-the-art techniques and information that affect their practice and improve the perioperative/critical care of pediatric patients.

TARGET AUDIENCE
The program is intended for anesthesiologists and other practitioners who care for children in their practice of anesthesiaology and/or critical care medicine from around the world. It is also intended for clinical and basic science researchers whose areas of investigation relate to pediatric anesthesia/critical care, as well as physicians and healthcare providers interested in learning more about the practice of 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 Live activity for a maximum of 15 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

AMERICANS WITH DISABILITIES ACT (ADA)
The Society for Pediatric Anesthesia has fully complied with the legal requirements of the ADA and the rules and regulations thereof. If any participant in this educational activity is in need of accommodations, please contact SPA at (804) 282-9780 by September 1, 2012 in order to receive service.

REGISTRATION DEADLINE
Responses to previous SPA programs have been very positive. We recommend that you confirm your registration as early as possible. The deadline for Early Registration is September 21, 2012.

Hotel Reservations
The Marriott Wardman Park Hotel will serve as the headquarter hotel for the meeting. We encourage you to take advantage of the low group rates and stay for the ASA’s Annual Meeting immediately following the International Assembly.

All IAPA guests staying at the Marriott Wardman Park will receive a complimentary Metro card for travel around Washington DC and the ASA annual meeting at the Convention Center. The Marriott Wardman Park has a Metro stop at the hotel entrance.

The cutoff date is September 18, 2012. Rooms and rates are subject to availability. Visit www.internationalassembly2012.org to make your reservations today.
### Session I: Providing Safe Perioperative Care to Children Around the World
Moderator: Giorgio Ivani, MD (Italy)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>8:50 - 9:10 am</td>
<td>Improving the Safety of Pediatric Anesthesia Care in the Less Developed World</td>
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<td>Isabeau Walker, BSc, MB, BChir, FRCA (United Kingdom)</td>
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<td>9:10 - 9:30 am</td>
<td>World Health Organization (WHO) Emergency and Essential Surgical Care program</td>
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<td>Meena Cherian, MD, PhD (Switzerland)</td>
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<td>9:30 - 9:50 am</td>
<td>Saving Lives Through Safer Surgery: The LifeBox Project</td>
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<td>Angela Enright, MB, FRCPC (Canada)</td>
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<tr>
<td>9:50 - 10:00 am</td>
<td>Discussion</td>
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<tr>
<td>10:00 - 10:30 am</td>
<td>Break with Exhibitors – Poster Viewing</td>
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### Session II: The Cutting Edge - New Technologies in Pediatric Anesthesia
Moderator: Shoichi Uezono, MD (Japan)

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<tr>
<td>10:30 - 10:45 am</td>
<td>Pulse Oximetry Based Hemoglobin Determination</td>
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<td>Helen Holtby, MBBS, FRCP(C) (Canada)</td>
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<td>10:45 - 11:00 am</td>
<td>Continuous Cardiac Output Monitoring</td>
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<td>Justin Skowno, MB, ChB (UCT), FCA (SA), FANZCA, (Australia)</td>
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<td>11:00 - 11:15 am</td>
<td>The Electronic Record and the Use of Data Sniffers</td>
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<td>Daryl J. Kor, MD (USA)</td>
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<td>11:15 - 11:25 am</td>
<td>Discussion</td>
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<tr>
<td>11:25 - 11:40 am</td>
<td>Best Oral Abstract: Australasia</td>
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<td>Moderator: Katsuyuki Miyasaka, MD (Japan)</td>
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### Session III: Clinical Challenges - Interactive case discussion
Moderator: Andrew J. Davidson, MBBS, MD, FANZCA (Australia)

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<th>Time</th>
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<tr>
<td>11:45 am - 12:30 pm</td>
<td>Case Scenario/Several Issues</td>
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#### Issue 1 - Serene Lim, MD (Singapore)
- Questions to Audience with Response
- Review of the Literature
- Re-query Audience
- Questions

### Session IV: International Advocacy for Education and Safety
Moderator: Shobha Malviya, MD, FAAP (USA)

<table>
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<tr>
<td>2:50 - 3:20 pm</td>
<td>Humanitarian Delivery of Safe Anesthesia and Surgery: Raising the Bar</td>
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<td>K A Kelly McQueen, MD, MPH (USA)</td>
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<tr>
<td>3:20 - 3:30 pm</td>
<td>Discussion</td>
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<td>3:30 - 3:55 pm</td>
<td>Break with Exhibitors</td>
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<tr>
<td>3:55 - 4:15 pm</td>
<td>Audits, Incidents &amp; QI Databases: Lessons and Opportunities for International Cooperation</td>
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<td>Donald C. Tyler, MD, MBA (USA)</td>
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<tr>
<td>4:15 - 4:35 pm</td>
<td>Education as the Foundation of Safety: Training Programs in the Less Developed World</td>
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<td>Zipporah Gathuya, MBChB, MMED (Kenya)</td>
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<tr>
<td>4:35 - 4:45 pm</td>
<td>Discussion</td>
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<tr>
<td>4:45 - 5:00 pm</td>
<td>Best Oral Abstract: Americas</td>
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<td>Moderator: Mark Crawford, MBBS, FRCPC (Canada)</td>
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<tr>
<td>5:15 - 6:45 pm</td>
<td>Wine and Cheese Reception with Exhibitors</td>
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<td>7:00 pm</td>
<td>Faculty Dinner (By invitation only)</td>
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### Register for the IAPA Meeting NOW!
Visit [www.internationalassembly2012.org](http://www.internationalassembly2012.org) to register for the meeting today. Workshop and PBLD registration will be available online in June 2012. If you register early, you will receive priority registration for workshops and PBLDs.

### NOTE:
The program schedule is subject to change. Please visit [www.internationalassembly2012.org](http://www.internationalassembly2012.org) for updates.
FRIDAY, OCTOBER 12, 2012

6:45 - 7:45 am  PBLDs with Continental Breakfast
6:45 - 7:45 am  Continental Breakfast with Exhibitors
8:00 - 8:10 am  Installation of New SPA Officers

Session V: Ensuring Drug Safety
Moderator: Johan Diedericks, MMmed (Anes), FCA (SA), BA (South Africa)

8:10 - 8:40 am  Keynote: IARS Lecture - SmartTots
   Michael F. Roizen, MD (USA)
8:40 - 8:50 am  Discussion
8:50 - 9:30 am  Anesthetics and the Developing Brain: Time for a Change in Practice?
   Moderator: Peter J. Davis, MD (USA)
   – Pro: Laszlo Vutskits, MD, PhD (Switzerland)
   – Con: Tom Hansen, MD, PhD (Denmark)
9:30 - 10:10 am  Nitrous Oxide: Is it Needed Anymore?
   Moderator: Bruno Marciniak, MD (France)
   – Pro: Victor C. Baum, MD (USA)
   – Con: Harald Willischke, MD (Austria)
10:10 - 10:20 am  Discussion
10:20 - 10:40 am  Break with Exhibitors
10:40 - 10:55 am  Best Oral Abstract: Africa/Middle East
   Moderator: Hussein Abu-Khudair, MBBS (Jordan)
10:55 - 11:10 am  Abstract Awards – Moderator: Rachel Efret, MD (Israel)
11:10 - 11:20 am  Discussion
11:20 - 11:50 am  The Role of Specialty Societies in Safe Care
   Nigel Turner, MB ChB, PhD, MMEd, FRCA, EDICM (The Netherlands)
   Moderator: Per-Arne Lönngqvist, MD, DEA, FRCA, PhD (Sweden)
11:50 am - 12:10 pm  Future International Collaborations in Pediatric Anesthesia
12:10 - 12:20 pm  Discussion
12:20 - 1:30 pm  Lunch on Own

Session VI: Parallel Interactive Sessions
Moderators: Manoj Karmakar, MD, DA (UK), FRCA, FHKCA, FHKAM (Hong Kong, China); Karin Becke, MD (Germany)

1:30 - 2:00 pm  Session A: Pediatric Simulation - Scenarios & Principles
   David J. Murray, MD (USA)
   Session B: Everyday Regional
   Peter Marhofer, MD (Austria)
2:00 - 2:15 pm  Discussion

2:15 - 2:45 pm  Session C: Ultrasound for Vascular Access
   Stuart Hall, MD (USA)
   Session D: New Techniques in Airway Management
   Patrick Farrell, MBBS, FRCA, FANZCA (Australia)
2:45 - 3:00 pm  Discussion

Session VII: Workshops

3:00 - 5:00 pm  Simulation in Pediatric Anesthesia
   Anita Honkanen, MD (USA); David Murray, MD (USA);
   Jean-Claude Grany, MD (France); James Fehr, MD (USA);
   William Waldrop, MD (USA); Michel Chen, MD (USA);
   Samuel A. Mireles, MD (USA); Ankeet Udayani, MD (USA);
   RJ Ramamurthi, MD (USA); Rebecca E. Claire, MD (USA)
3:00 - 5:00 pm  Ultrasound for Central Venous Line Insertion
   Gregory J. Schears, MD (USA); Ehrenfried Schindler, MD (Germany) Stuart Hall, MD (USA)
3:00 - 5:00 pm  The Difficult Pediatric Airway
   Arshunam Sharma, MD, MBA (USA); Rani A. Sunder,
   MD (India); Patrick Farrell, MBBS, FRCA, FANZCA (Australia)
3:00 - 4:30 pm  Basics of Ultrasound for Regional Anesthesia
   Santhanam Suresh, MD, FAAP (USA); Giorgio Ivani, MD
   (Italy); Adrian Bösenberg, MB, ChB, FFA (USA); Estela
   Melman, MD (Mexico); Vrushali Ponde, MD (India)
3:00 - 3:45 pm  Forming a Pediatric Society in Your Country
   Myron Yaster, MD (USA); Wenche Bakken Berke, MD, PhD
   (Norway) Nigel Turner, MB ChB, PhD, MMEd, FRCA, EDICM
   (The Netherlands)
3:45 - 4:30 pm  Establishing a Pediatric Pain Service
   Sabine Kost-Byerly, MD, FAAP (USA); George Chalkiadis,
   MBBS, DA, FANZCA (Australia)
3:00 - 3:45 pm  Implementing Checklists
   Daniel Low, BMedSci, BMBS, MRCPCH, FRCA (USA);
   Eugene Heitmiller, MD, FAAP (USA) Isabeau Walker,
   BSc, MB, BCHir, FRCA (UK)
3:45 - 5:00 pm  Pediatric Anesthesia Editors Workshop: Writing for Journal Publication
   Robert H. Friesen, MD (USA); Andrew J. Davidson,
   MBBS, FANZCA (Australia); Alison Kinder-Ross, MD
   (USA); Walid Habre, MD, PhD (Switzerland)
6:00 - 9:00 pm  Closing Reception at the National Zoo

Closing Reception at the Smithsonian National Zoo’s “GREAT CAT” Exhibit

Join your colleagues from around the world for the IAPA closing reception at the renowned Smithsonian National Zoo. The reception will be held on Friday, October 12 in the amazing “Great Cat” exhibit.

The reception is a short 4 block walk from the headquarters Marriott Wardman Park Hotel. Shuttle transportation will also be available from the Marriott Wardman Park.
FACULTY

Hussein Y. Abu-Khudair MBBS, FAAP
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Myron Yaster MD
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Baltimore, MD

Zuo Yunxia MD, PhD
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Chengdu, Sichuan, China

Jianmin Zhang MD
Beijing Children's Hospital
Beijing, China
LEARNING OBJECTIVES

Thursday, October 11, 2012

KEYNOTE: THE SCIENCE OF SAFETY
Peter J. Pronovost MD, PhD, FCCM
At the conclusion of this lecture participants will have learned the history of the recent national focus on safety in health care. Participants will also learn the most commonly employed approaches to improving patient safety.

SESSION I: PROVIDING SAFE PERIOPERATIVE CARE TO CHILDREN AROUND THE WORLD
Improving the Safety of Pediatric Anesthesia Care in the Less Developed World
Isabeau Walker BSc MB BChir FRCA
At the conclusion of this lecture participants will have learned how principles of safe anesthesia care are applied in low and middle income countries. Participants will also learn what safety problems are unique to this setting.

World Health Organization (WHO) Emergency and Essential Surgical Care program
Meena Cherian MD
At the conclusion of this lecture participants will have learned of the major aspects of this program. Participants will also learn how the program is being implemented around the world.

Saving Lives Through Safer Surgery: The LifeBox Project
Angela Enright MB, FRCPC
At the conclusion of this lecture participants will have learned of the essential aspects of the lifebox project. Participants will also learn of how individuals and societies may participate in the initiative.

SESSION II: THE CUTTING EDGE: NEW TECHNOLOGIES IN PEDIATRIC ANESTHESIA
Pulse Oximetry Based Hemoglobin Determination
Helen Holtby MBBS, FRCP(C)
At the conclusion of this lecture participants will have learned the physiologic principles upon which the technology is based. Participants will also learn the appropriate clinical applications for Pulse oximetry based hemoglobin determination.

Continuous Cardiac Output Monitoring
Justin Skowno MBChB (UCT), FCA(SA), FANZCA
At the conclusion of this lecture participants will have learned the physiologic principles upon which this technology is based. Participants will also learn the appropriate clinical applications for this technology.

The Electronic Record and the Use of Data Sniffers
Daryl J. Kor MD
At the conclusion of this lecture participants will have learned how the medical record can be used to detect adverse events in real-time. Participants will also learn how the technology can be applied to a variety of clinical situations.

SESSION III: CLINICAL CHALLENGES - INTERACTIVE CASE DISCUSSION
Case Scenario/Several Issues
Serene Lim Siu Tin MD; Snehalata Dhayagude MBBS, DA (Lon), FFARCS (Eng); Walid Habre MD, PhD
At the conclusion of this lecture participants will have learned the evidence supporting various common clinical problems. They will also have the opportunity to interact directly with the speaker to refine practice.

SESSION IV: INTERNATIONAL ADVOCACY FOR EDUCATION AND SAFETY
Humanitarian Delivery of Safe Anesthesia and Surgery: Raising the Bar
KA Kelly McQueen MD, MPH
At the conclusion of this lecture participants will have learned the limits of anesthesia and surgical care currently available in the less developed world. Participants will also learn what solutions are proposed to improve access and safety.

Audits, Incidents & QI Databases: Lessons and Opportunities for International Cooperation
Donald C. Tyler MD, MBA
At the conclusion of this lecture participants will have learned how audits and databases can be used to improve anesthesia safety. Participants will also learn how audits and databases can be used to foster international cooperation.

Education as the Foundation of Safety: Training Programs in the Developing World
Zipporah Gathuya MD
At the conclusion of this lecture participants will have learned of the various training programs that have been established in low and middle income countries. Participants will also learn of opportunities to participate in international education.

Friday, October 12, 2012

SESSION V: ENSURING DRUG SAFETY
Keyote: IARS Lecture – Smarttots
Michael F. Roizen MD
At the conclusion of this lecture participants will have learned of the Smarttots as it pertains to anesthetic related neurotoxicity in the young. Participants will also learn of the opportunities for research support and funding from Smarttots.

Anesthetics and the Developing Brain: Time for a Change in Practice?
Moderator: Peter J. Davis MD
Pro: Laszlo Vutskits MD, PhD; Con: Tom Hansen MD, PhD
At the conclusion of this lecture participants will have learned of the clinical data relating to anesthetic related neurotoxicity in the young. Participants will also learn of the recommendations for and against practice change.
LEARNING OBJECTIVES

Nitrous oxide: Is it Needed Anymore?
Moderator: Bruno Marciniak MD
Pro: Victor C. Baum MD; Con: Harald Willischke MD
At the conclusion of this lecture participants will have learned of the emerging data that questions the continued use of nitrous oxide in pediatric anesthesia. Participants will also learn of opposing views suggesting that nitrous oxide remains safe and effective.

The Role of Specialty Societies in Safe Care
Nigel Turner MB ChB, PhD, MMEd, FRCA, EDICM
At the conclusion of this lecture participants will have learned of the importance of specialty societies in providing information and support for safety initiatives. Participants will also learn of the potential to translate lessons learned to colleagues around the world through their respective societies.

SESSION VI: PARALLEL INTERACTIVE SESSIONS

Pediatric Simulation; Scenarios & Principles
David J. Murray MD
At the conclusion of this lecture participants will have learned how to develop simulation scenarios for pediatric anesthesia. Participants will also learn of specific scenarios that can be used in their setting.

Everyday Regional
Peter Marholer MD
At the conclusion of this lecture participants will have learned of common regional anesthetic techniques that can be used in virtually any setting. Participants will also learn principles of safe care for patients undergoing regional procedures.

Ultrasound for Vascular Access
Stuart Hall MD
At the conclusion of this lecture participants will have learned specific vascular access techniques that employ the use of ultrasound. Participants will also learn of principles of safe care when seeking vascular access.

New Techniques in Airway Management
Patrick Farrell MBBS, FRCA, FANZCA
At the conclusion of this lecture participants will have learned of new techniques that can be employed to safely secure the airway in children. Participants will also learn principles of safe airway care regardless of the setting or technique.

SESSION VII: WORKSHOPS

Simulation in Pediatric Anesthesia
Anita Honkanen MD; David Murray MD; Jean-Claude Granry MD
At the conclusion of this workshop participants will have learned through hands-on experience how to employ new techniques for securing the airway. Participants will also learn how to apply principles of safe care in the setting of airway management.

The Difficult Pediatric Airway
Anshuman Sharma MD, MBA; Enrique Jose Monclus Diaz MD; Patrick Farrell MBBS, FRCA, FANZCA
At the conclusion of this workshop participants will have learned through hands-on experience how to employ new techniques for securing the airway. Participants will also learn how to apply principles of safe care in the setting of airway management.

Basics of Ultrasound for Regional Anesthesia
Santhanam Suresh MD; Giorgio Ivani MD; Adrian Bösenberg MB, ChB, FFA; Estela Melman MD; Vrushali Ponde MD
At the conclusion of this workshop participants will understand basic ultrasound physics, knobology and optimization of images in commonly used ultrasound machines; identify common nerves including femoral, brachial plexus, truncal and sciatic nerves, as well as surrounding structures; and demonstrate competence in needle advancement under real time ultrasound guidance on phantom models.

Forming a Pediatric Society in Your Country
Myron Yaster MD; Wenche Bakken Børke MD; Nigel Turner MB ChB, PhD, MMEd, FRCA, EDICM
At the conclusion of this workshop participants will have learned through one on one interaction how to begin the process of establishing a specialty society in their home country. Participants will also learn how to use a specialty society to foster safe care.

Establishing a Pediatric Pain Service
Sabine Kost-Byerly MD, FAAP; George Chalkiadis MBBS, DA (Lon), FANZCA
At the conclusion of this workshop participants will have learned through one on one interaction how to begin the process of establishing a pediatric pain service in their institution. Participants will also learn how to organize the pain service to provide safe pain management to children.

Implementing Checklists
Daniel Low MD; Eugenie Heitmiller MD, FAAP; Isabeau Walker BSc MB BChir FRCA
At the conclusion of this workshop participants will have learned through one on one interaction how to begin the process of implementing safety checklists in their practice. Participants will also learn how the use of checklists will foster a culture of safety.

Pediatric Anesthesia Editors: Writing for Journal Publication
Robert H. Friesen MD; Andrew J. Davidson MBBS, FANZCA; Allison Kinder Ross MD; Walid Habre MD, PhD
At the conclusion of this workshop participants will have learned through one on one interaction how to critically review a manuscript. Participants will also learn the basics of manuscript preparation.

Ultrasound for Central Venous Line Insertion
Gregory J. Schears MD; Ehrenfried Schindler MD; Stuart Hall MD
At the conclusion of this workshop participants will have learned through hands-on experience how to employ ultrasound for central venous line insertion. Participants will also learn how to apply principles of safe care in the setting of placement of central venous lines.