

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 anesthesiology 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.

THURSDAY, OCTOBER 11, 2012

6:30 am Registration

6:30 - 7:30 am Continental Breakfast with Exhibitors

7:45 - 8:00 am Welcome

Lynn D. Martin, MD, MBA, FAAP; Randall P. Flick, MD, MPH, FAAP; Jayant K. Deshpande, MD, MPH, FAAP; Nancy L. Glass, MD, MBA, FAAP

8:00 - 8:40 am Keynote: The Science of Safety

Peter J. Pronovost, MD, PhD, FCCM (USA)
Moderator: Marcin Rawicz, MD, PhD (Poland)

8:40 - 8:50 am Discussion

Session I : Providing Safe Perioperative Care to Children Around the World

Moderator: Giorgio Ivani, MD (Italy)

8:50 - 9:10 am Improving the Safety of Pediatric Anesthesia Care in the Less Developed World

Isabeau Walker, BSc, MB, BChir, FRCA (United Kingdom)

9:10 - 9:30 am World Health Organization (WHO) Emergency and Essential Surgical Care program

Meena Cherian, MD, PhD (Switzerland)

9:30 - 9:50 am Saving Lives Through Safer Surgery: The LifeBox Project

Angela Enright, MB, FRCPC (Canada)

9:50 - 10:00 am Discussion

10:00 - 10:30 am Break with Exhibitors – Poster Viewing

Session II: The Cutting Edge - New Technologies in Pediatric Anesthesia

Moderator: Shoichi Uezono, MD (Japan)

10:30 - 10:45 am Pulse Oximetry Based Hemoglobin Determination

Helen Holtby, MBBS, FRCP(C) (Canada)

10:45 - 11:00 am Continuous Cardiac Output Monitoring

Justin Skowno, MB, ChB (UCT), FCA (SA), FANZCA, (Australia)

11:00 - 11:15 am The Electronic Record and the Use of Data Sniffers

Daryl J. Kor, MD (USA)

11:15 - 11:25 am Discussion

11:25 - 11:40 am Best Oral Abstract: Australasia

Moderator: Katsuyuki Miyasaka, MD (Japan)

Session III: Clinical Challenges - Interactive case discussion

Moderator: Andrew J. Davidson, MBBS, MD, FANZCA (Australia)

11:45 am - 12:30 pm Case Scenario/Several Issues

Issue 1 - Serene Lim, MD (Singapore)

- Questions to Audience with Response
- Review of the Literature
- Re-query Audience
- Questions

Issue 2 - Snehalata Dhayagude, MBBS, DA (Lon) FFACS (ENG) (India)

- Questions to Audience with Response
- Review of the Literature
- Re-query Audience
- Questions

Issue 3 - Walid Habre, MD, PhD (Switzerland)

- Questions to Audience with Response
- Review of the Literature
- Re-query Audience
- Questions

12:30 - 12:45 pm Best Oral Abstract: Europe

Moderator: Piedad Echeverry, MD (Columbia)

12:45 - 1:30 pm Lunch with Posters and Exhibitors

1:30 - 2:45 pm Walk Around Posters – Moderators (Teams of two)

Mario Jose Da Conceição, MD, PhD (Brazil) and Singaravelu Ramesh, MD (India)

Suneerat Kongsayreepong, MD (Thailand) and Niall C. Wilton, MBBS, MRCP, FRCA (New Zealand)

Phuoc Nguyen Tan, MD (Viet Nam) and Peter Bell, MD (Antigua)

Thomas Engelhardt, MD, PhD, FRCA (Canada) and Zuo Yunxia, MD, PhD (China)

Rebecca Jacob, MBS, DA, MD (India) and Jiamin Zhang, MD (China)

Session IV: International Advocacy for Education and Safety

Moderator: Shobha Malviya, MD, FAAP (USA)

2:50 - 3:20 pm Humanitarian Delivery of Safe Anesthesia and Surgery: Raising the Bar

K A Kelly McQueen, MD, MPH (USA)

3:20 - 3:30 pm Discussion

3:30 - 3:55 pm Break with Exhibitors

3:55 - 4:15 pm Audits, Incidents & QI Databases: Lessons and Opportunities for International Cooperation

Donald C. Tyler, MD, MBA (USA)

4:15 - 4:35 pm Education as the Foundation of Safety: Training Programs in the Less Developed World

Zipporah Gathuya, MBChB, MMED (Kenya)

4:35 - 4:45 pm Discussion

4:45 - 5:00 pm Best Oral Abstract: Americas

Moderator: Mark Crawford, MBBS, FRCPC (Canada)

5:15 - 6:45 pm Wine and Cheese Reception with Exhibitors

7:00 pm Faculty Dinner (By invitation only)

NOTE:

The program schedule is subject to change.
Please visit www.internationalassembly2012.org for updates.

Register for the IAPA Meeting NOW!

Visit 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.

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, MMed (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 Willschke, 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 Efrat, 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 Lönnqvist, MD, DEAA, 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 Granry, MD (France); James Fehr, MD (USA); William Waldrop, MD (USA); Michel Chen, MD (USA); Samuel A. Mireles, MD (USA); Ankeet Udani, 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**
Anshuman 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 Børke, 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); Eugenie 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 headquarter Marriott Wardman Park Hotel. Shuttle transportation will also be available from the Marriott Wardman Park.

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Photo Credit: Destination DC

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, FRCP(C)

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

Keynote: 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 Willschke 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 Marhofer 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 scenarios and techniques useful in simulation. Participants will also learn how to manage a variety of complex emergent situations common to pediatric anesthesia through the use of simulation.

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.

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.