Society for Pediatric Anesthesia

education • research • patient safety

28th Annual Meeting

OCTOBER 10, 2014
Sheraton New Orleans
New Orleans, Louisiana

Please visit www.pedsanesthesia.org for program and registration information.
WELCOME!

The pulsating sounds of a jazz band…the bibulous banter heard nightly on Bourbon Street…the mighty Mississippi moving powerfully forward to the Gulf of Mexico. This is the place where American history lingers, from the War of 1812 to the Civil War, from the Jazz Age to hip hop and beyond. New Orleans, an American city like no other and a most suitable place to refresh one’s mind, to take stock of one’s actions and to assess one’s perspectives.

It is my distinct pleasure to invite you to attend the 28th Annual Meeting of the Society for Pediatric Anesthesia in the warm and inviting embrace of New Orleans. The Crescent City has a long history as a hospitable site for the SPA meeting and this year’s gathering promises to uphold the highest traditions of the SPA by gathering experts on topics which challenge and perplex us.

Opening the meeting are two gifted scientist-anesthesiologists, Dr. Emery Brown and Dr. George Mashour, who will be discussing the mechanisms of consciousness and monitoring of the pediatric brain under anesthesia. The second session will be an exploration of the toxic effects of anesthetics by three talented SPA members, Dr. Rick Levy will discuss carbon monoxide and its toxic effects, Dr. Jason Maynes will explore the effect of anesthetics on mitochondrial dynamics and Dr. Andreas Loepke will review the neurotoxic effects of anesthetics on immature neurons and the child’s vulnerable brain.

An appetizing lunch and dessert will be followed by the pleasure of a lecture by Dr. David Dinges from the University of Pennsylvania, an international authority on sleep deprivation. This stimulating talk will highlight the challenges we all confront with our trainees, our patients and ourselves and his erudition and expertise will serve as healthy tonics against postprandial somnolence. The afternoon will tackle challenging situations confronting all pediatric anesthesiologists. Dr. Martin Drell, the immediate past president of the Academy of Child and Adolescent Psychiatry, will discuss when bad things happen to good kids, exploring the psychosocial dimensions and psychiatric perspectives of the impact of illness and hospitalization on children. Dr. Susan Staudt will discuss conflict resolution and techniques we might use in our own practice. Finally, Dr. Nancy Glass, our current society president, will honor us with a closing discussion of the anesthesiologist’s role in the care of the dying child.

And, just in time for the press, as an added bonus the Society for Pediatric Anesthesia announces (drumroll please) that the presentation of the first SPA Lifetime Achievement Award will occur at the 2014 Fall meeting to honor an individual whose outstanding contributions to our specialty and significant impact on the perioperative care of children is incontestable. The first recipient of this prestigious award will be Dr. Myron Yaster, SPA founding father and pediatric anesthesiologist extraordinaire. So New Orleans is where you will want to be on Friday, October 10th to join Myron’s family and friends immediately following lunch to congratulate Dr. Yaster as he is bestowed this premier award.

This will make for a most notable day. However, there is one element that could be missing from this meeting, one thing that would make it perfect. And that ingredient is YOU. So please come to the 28th Annual Meeting of the SPA. This promises to be your best chance this fall to join your colleagues for a fun filled educational day in festive Nawalns.

Education Mission Statement

The Annual 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 techniques and information that affect their practice and improve the perioperative/critical care of pediatric patients.

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 Live activity for a maximum of 8 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 12, 2014 in order to receive service.

Registration Deadline

Responses to previous SPA Annual Meeting programs have been very positive. We recommend that you confirm your registration as early as possible. The deadline for Early Registration is September 12, 2014.

Housing

Book your hotel accommodations at the SPA headquarters hotel in New Orleans NOW! The Sheraton New Orleans Hotel is now accepting reservations for the SPA 28th Annual Meeting.

Please note: SPA’s group room rates are the same as the ASA rates and are available October 8 – October 15, 2014, which includes the ASA Annual Meeting dates.

The Sheraton, the site of the SPA 28th Annual Meeting, is one of ASAs preferred hotels and is on the ASA bus route.
The Society for Pediatric Anesthesiology is pleased to offer several opportunities to help fulfill your American Board of Anesthesiology Maintenance of Certification in Anesthesiology (MOCA)* Part II Patient Safety requirements at the SPA 28th Annual Meeting!

By attending the following sessions, you are eligible to receive up to two (2) credits that may be applied towards Part II: Lifelong Learning and Self-Assessment- Patient Safety requirements.

- Panel Presentation: Anesthetic Neurotoxicity: Vulnerability of the Immature Brain or of Immature Neurons? – Andreas W. Loepke MD, PhD, FAAP
- Lecture: Sleep Deprivation – David F. Dinges PhD
- Panel Presentation: Anesthesia Care Provision Following Conflict with a Colleague or Worse…a Parent – Susan R. Staudt MD

Please plan on attending these interesting and informative sessions!!

This patient safety activity helps fulfill the patient safety CME requirement for Part II of the Maintenance of Certification in Anesthesiology Program (MOCA) of the American Board of Anesthesiology (ABA). Please consult the ABA website, www.theABA.org, for a list of all MOCA requirements.

Maintenance of Certification in Anesthesiology Program* and MOCA® are registered certification marks of The American Board of Anesthesiology®.
Scientific Program

**Session I: Mechanisms of Consciousness**
*Moderator: Eugenie S. Heitmiller, MD*

- **8:00 – 8:45 am** Monitoring the Pediatric Brain Under General Anesthesia
  Emery N. Brown, MD, PhD
- **8:45 – 9:30 am** Consciousness and Anesthesia
  George A. Mashour, MD, PhD
- **9:30 – 9:45 am** Discussion
- **9:45 – 10:15 am** Break with the Exhibitors

**Session II: Toxic Agents**
*Moderator: Lena Sun MD*

- **10:15 – 10:45 am** Anesthetic Neurotoxicity: Vulnerability of the Immature Brain or of Immature Neurons?
  Andreas W. Loepeke, MD, PhD, FAAP
- **10:45 – 11:15 am** How Off-Target is Your Anesthesia? Effects on the Mitochondria, Autism and Cancer Metastasis
  Jason Maynes, MD, PhD
- **11:15 – 11:45 am** Carbon Monoxide: Toxicity and Potential Therapeutic Agent
  Richard J. Levy, MD
- **11:45 am – Noon** Discussion

**Session III: SPA Lifetime Achievement Award**
*Moderator: Lynne Gerson Maxwell, MD*

- **1:15 – 1:45 pm** Presentation of Inaugural SPA Lifetime Achievement Award
  Myron Yaster, MD

**Session IV: Sleep Deprivation**
*Moderator: Myron Yaster, MD*

- **1:45 – 2:45 pm** Sleep Deprivation
  David F. Dinges, PhD
- **2:45 – 3:00 pm** Discussion
- **3:00 – 3:30 pm** Break with the Exhibitors

**Session V: Challenging Patients, Parents and Situations**
*Moderator: Nina Deutsch, MD*

- **3:30 – 4:15 pm** When Bad Things Happen to Good Kids
  Martin J. Drell, MD
- **4:15 – 4:45 pm** Anesthesia Care Provision Following Conflict with a Colleague or Worse... a Parent
  Susan R. Staudt, MD
- **4:45 – 5:15 pm** The Role of the Anesthesiologist in the Care of the Dying Child
  Nancy L. Glass, MD, MBA, FAAP
- **5:15 – 5:30 pm** Discussion
- **5:30 – 7:30 pm** Reception

**Problem-Based Learning Discussions (PBLDs)**

1. Straightening out your life can be difficult; incision and drainage after a VEPTR placement
   Joseph D. Tobias MD; Vidya T. Raman MD

2. Anesthetic Misadventures with Long QT Syndrome
   Cesar Rodriguez-Diaz, MD; Ingrid B. Hollinger MD, FAAP

3. Intra-operative metabolic acidosis: An evaluation of mitochondrial disorders and malignant hyperthermia
   Barbara Vickers MD; Sabine Kost-Byerly MD

4. How Can a Thoracic Epidural Catheter be Safely Discontinued in the Post-operative Setting of Coagulopathy, Thrombocytopenia, and Mechanical Ventilation?
   Rebecca Hong MD; Margaret Stewart MD; Guest Moderator: Stephen R. Hays MD, FAAP

5. I don't have the faintest idea of what to do! A 9-year-old with recurrent syncope presents with acute appendicitis.
   Nathaniel Greene MD; Lisa Caplan MD; Guest Moderator: Marco Corridore MD

6. "Give me oxy NOW!!" Acute pain management in the adolescent with chronic pain, substance abuse and poor coping skills
   Evelyn C. Monico MD; Nicholas J. Kassebaum MD; Guest Moderator: Constance Monitto MD

7. Bowel obstruction and CDH recurrence after VEPTR insertion on a child with thoracic insufficiency and pulmonary hypertension.
   Jorge A. Galvez MD; Mohamed A. Rehman MD

8. Perioperative Management of Acute and Recurrent Thrombosis of a Blalock-Taussig Shunt in a Neonate with Hypoplastic Left Heart Syndrome
   Thomas E. Cox MD; Jacob Christensen MD

9. Perioperative Concerns in a Patient with Sickle Cell Disease, Moyamoya Syndrome and a Basilar Artery Aneurysm
   John Fiadjo MD; Grace Hsu MD

10. Noncardiogenic Pulmonary Edema following Protamine Administration
    Julie A. McWhorter MD; R. Blaine Easley MD

11. A request to administer anesthesia for a brain dead child- where do you draw the line?
    Tammy Wang MD, FAAP; Calvin Kuan MD, FAAP; Guest Moderator: David B. Waisel MD

12. Management of TEF in a 29 Week Old, Extremely Low Birth Weight Neonate with Tetralogy of Fallot
    Alina V. Bodas MD; Elizabeth Jansen MD; Guest Moderator: Laura K. Diaz MD

13. Cardiac arrest during emergency craniotomy for a 6 day old neonate with elevated ICP and impending herniation from intracranial mass
    Naiyi Sun MD; Brenda Goliama MD

14. "You've GOT to see this CT scan!!" Rapidly Expanding Recurrent Neck Mass in a 10 Month Old
    Melissa Brooks Peterson MD; Judit Szolnoki MD FAAP

15. Bowel obstruction and CDH recurrence after VEPTR insertion on a child with thoracic insufficiency and pulmonary hypertension.
    Jorge A. Galvez MD; Mohamed A. Rehman MD
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Program Objectives

Session I: Mechanisms of Consciousness

Monitoring the Pediatric Brain Under General Anesthesia
Emery N. Brown MD, PhD
Upon completion of this session, the participant will be able to:
1. Describe how the neural circuit mechanisms of anesthetic action relate to measured EEG patterns.
2. Summarize the differences in the neural circuitry of the pediatric and the adult brains.
3. Describe the differences in EEG responses of the pediatric and adult brains to anesthetics.
4. Describe how 1-3 can be used to develop a rationale approach to monitoring the pediatric brain under general anesthesia.

Consciousness and Anesthesia
George A. Mashour MD, PhD
Upon completion of this session, the participant will be able to:
1. Distinguish between wakefulness and consciousness.
2. Describe three current theories of consciousness.
3. Describe how general anesthetics act through neural processes supporting consciousness.

Session II: Toxic Agents

Anesthetic Neurotoxicity: Vulnerability of the Immature Brain or of Immature Neurons?
Andreas W. Loepke MD, PhD, FAAP
Upon completion of this session, the participant will be able to:
1. Describe the relationship between susceptibility to anesthesia-induced neurodegeneration and age of the organism vs. age of the neuron.
2. Recognize the potential clinical implications of this distinction.

How Off-Target is Your Anesthesia? Effects on the Mitochondria, Autism and Cancer Metastasis
Jason Maynes MD, PhD
Upon completion of this session, the participant will be able to:
1. Review how mitochondrial dynamics are altered by anesthetics.
2. Describe how epigenetic alterations by anesthetics can lead to cancer growth.
3. Tell why autistic patients can be adversely affected by anesthetics.

Carbon Monoxide: Toxicity and Potential Therapeutic Agent
Richard J. Levy MD
Upon completion of this session, the participant will be able to:
1. Review mechanisms of overt and sub clinical CO toxicity.
2. Describe effects of CO exposure on neurodevelopment.
3. Review potential therapeutic applications for CO.

Session IV: Sleep Deprivation

Human Performance: Resiliency and Vulnerability to Sleep Loss
David F. Dinges PhD
Upon completion of this session, the participant will be able to:
1. Recognize that performance is neurobehavioral and genetically modulated by sleep need and circadian rhythms.
2. Recognize performance deficits resulting from acute and cumulative provocations of sleep and circadian neurobiology.
3. Recognize that effective “fatigue management” means appreciating how to use countermeasures correctly and identifying individual phenotypic vulnerability to sleep loss.

Session V: Challenging Patients, Parents and Situations

When Bad Things Happen to Good Kids
Martin J. Drell MD
Upon completion of this session, the participant will be able to:
1. Develop a greater appreciation of the biopsychosocial model of disease and illness.
2. Review the approach of a child and adolescent psychiatrist to stressful events in children with a focus on hospitalization.
3. Recognize interventions to minimize the risks of illness and hospitalization.

Anesthesia Care Provision Following Conflict with a Colleague or Worse... a Parent
Susan R. Staudt MD
Upon completion of this session, the participant will be able to:
1. Recite the five common modes of conflict resolution.
2. Recognize some advantages and disadvantages of each style.
3. Consider your personal comfort with each style; commit to expanding your skills in using one mode you currently underutilize within the next year.

The Role of the Anesthesiologist in the Care of the Dying Child
Nancy L. Glass MD, MBA, FAAP
Upon completion of this session, the participant will be able to:
1. Name key developmental issues for dying children, from birth to young adulthood.
2. Develop a plan for managing the most common end of life symptoms.
3. Mobilize resources for assisting with psychosocial and family issues.

Meeting Highlights

The Society for Pediatric Anesthesia will present the first SPA Lifetime Achievement Award to Dr. Myron Yaster.

GUEST SPEAKERS
Emery N. Brown MD, PhD – “Monitoring the Pediatric Brain Under General Anesthesia”
George A. Mashour MD, PhD – “Consciousness and Anesthesia”
David Dinges, PhD – “Human Performance: Resiliency and Vulnerability to Sleep Loss”
Martin J. Drell MD – “When Bad Things Happen to Good Kids”
If paying by check, please make checks payable to SPA and mail to:
2209 Dickens Road, Richmond, VA 23230-2005; Phone: (804) 282-9780; Fax: (804) 282-0090; e-mail: spa@societyhq.com

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*E-mail required for registration confirmation.

Through 9/12/14  After 9/12/14
☐ SPA Member - US & Canada $275 $325 =   $___________
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Enter your choice of PBLD Table # from Page 3: First Choice:__________  Second Choice:__________  Third Choice:__________
☐ Accompanying Person(s) #_____ @ $35 $50 =   $___________
Accompanying Person(s) Name(s):____________________________________________________________________________________________
☐ SPA Patient Safety Education and Research Fund Donation‡ ($50 is suggested) =   $___________

Meeting Total: =   $___________

Accompanying Person Fee includes: Entrance to Exhibit Hall, Reception, and Continental Breakfast.
‡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  ☐ SPPM

How did you hear about the meeting?
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Refund Policy: Full refund less $50 administrative fee through August 29, 2014; 50% refund August 30 – September 12, 2014; No refunds after September 12, 2014. Refunds determined by date written cancellation is received.

Hotel/Lodging Information: The 2014 Annual Meeting will be held at the Sheraton New Orleans in New Orleans, LA. Hotel reservations must be made through the ASA Housing Bureau. To make hotel reservations online, please visit www.pedsanesthesia.org for a link to the ASA Housing Site.

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