

Society for Pediatric Anesthesia



education • research • patient safety

OCTOBER 10, 2014

Sheraton New Orleans
New Orleans, Louisiana

28th Annual Meeting



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

About This Meeting

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



James J. Fehr, MD, FAAP
*Annual Meeting
Program Chair*

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 Nawlins.

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 headquarter 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 ASA's preferred hotels and is on the ASA bus route.

CONVENIENT ONLINE REGISTRATION

Visit www.pedsanesthesia.org to register for the meeting.

Printable registration forms will also be available.

Registration rates will increase after September 12, 2014.

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. Visit www.pedsanesthesia.org for the link to the hotel reservation site.

MOCA Highlights

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[®].

SAVE THE DATES

PEDIATRIC ANESTHESIOLOGY

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

2015

MARCH 13 - 15, 2015
Arizona Biltmore • Phoenix, AZ



Society for Pediatric Anesthesia



education • research • patient safety

Scientific Program

6:00 am – 5:00 pm	Registration
6:30 – 7:30 am	PBLDs with Breakfast
6:30 – 7:30 am	Continental Breakfast with Exhibitors
7:45 – 8:00 am	Introduction and Welcome Nancy L. Glass, MD, MBA, FAAP; James J. Fehr, MD, FAAP


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

Noon – 12:15 pm	SPA Board of Directors Induction Ceremony
12:15 – 1:15 pm	Lunch with Exhibitors


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
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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 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)

- Straightening out your life can be difficult; incision and drainage after a VEPTR placement
Joseph D. Tobias MD; Vidya T. Raman MD
- Anesthetic Misadventures with Long QT Syndrome
Cesar Rodriguez-Diaz, MD; Ingrid B. Hollinger MD, FAAP
- Intra-operative metabolic acidosis: An evaluation of mitochondrial disorders and malignant hyperthermia
Barbara Vickers MD; Sabine Kost-Byerly MD
- 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
- 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
- Extreme Hyperthermia Riddles —MH and beyond
Mohanad Shukry MD; Lena Mayes MD
- "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
- 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
- Perioperative Concerns in a Patient with Sickle Cell Disease, Moyamoya Syndrome and a Basilar Artery Aneurysm Presenting for Dental Extractions
John Fiadjoe MD; Grace Hsu MD
- Noncardiogenic Pulmonary Edema following Protamine Administration Requiring ECMO Initiation in a 5 year-old Patient
Julie A. McWhorter MD; R. Blaine Easley MD
- 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
- 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
- Cardiac arrest during emergency craniotomy for a 6 day old neonate with elevated ICP and impending herniation from intracranial mass
Naiyi Sun MD; Brenda Golianu MD
- "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
- 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

Faculty

Steven M. Auden, MD, FAAP

Kosair Children's Hospital
Louisville, KY

Alina V. Bodas, MD

The Cleveland Clinic
Cleveland, OH

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Saint Louis Children's Hospital
Saint Louis, MO

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The Children's Hospital of Philadelphia
Philadelphia, PA

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The Children's Hospital of Philadelphia
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Stanford, CA

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Children's National Medical Center
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Cincinnati, OH

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Naiyi Sun, MD

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Joseph D. Tobias, MD

Nationwide Children's Hospital
Columbus, OH

Barbara Vickers, MD

The Johns Hopkins University
Baltimore, MD

David B. Waisel, MD

Boston Children's Hospital
Boston, MA

Tammy Wang, MD, FAAP

Lucile Packard Children's Hospital
at Stanford University
Stanford, CA

Myron Yaster, MD

Johns Hopkins Children's Center
Baltimore, MD

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



Dr. Yaster

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

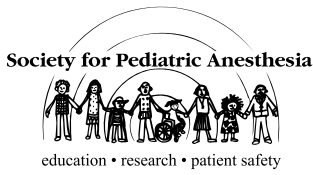
GUEST SPEAKERS

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”



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Scientific Program Registration Form

If paying by check, please make checks payable to **SPA** and mail to:

2209 Dickens Road, Richmond, VA 23230-2005; Phone: (804) 282-9780; Fax: (804) 282-0090; e-mail: spa@societyhq.com

PLEASE PRINT OR TYPE

Name _____ Degree _____ First Name for Badge _____
Last First MI

Preferred Mailing Address _____

City / State / Zip _____ Email Address* _____

Office Phone _____ Home Phone _____ Fax # _____

***E-mail required for registration confirmation.**

	Through 9/12/14	After 9/12/14	
<input type="checkbox"/> SPA Member - US & Canada	\$275	\$325	= \$ _____
<input type="checkbox"/> Non-Member - US & Canada	\$400	\$450	= \$ _____
<input type="checkbox"/> SPA Member - International	\$175	\$200	
<input type="checkbox"/> Non-Member - International	\$300	\$350	= \$ _____
<input type="checkbox"/> Resident <input type="checkbox"/> Fellow*	\$175	\$200	= \$ _____
<input type="checkbox"/> SPA Member - Retired	\$175	\$200	
<input type="checkbox"/> Allied Health	\$200	\$250	= \$ _____
<input type="checkbox"/> PBLD Discussions	\$35	\$50	= \$ _____
Enter your choice of PBLD Table # from Page 3: First Choice: _____ Second Choice: _____ Third Choice: _____			
<input type="checkbox"/> Accompanying Person(s) # _____ @	\$35	\$50	= \$ _____
Accompanying Person(s) Name(s): _____			
<input type="checkbox"/> 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? Website Printed Program Postcard Mailing
 Word of mouth ASA Calendar of Meetings Other _____

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

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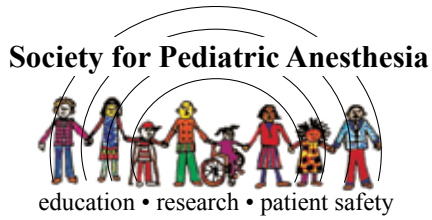
Signature _____ Printed Name on Card _____

Credit Card Billing Address: _____ Credit Card Zip Code: _____

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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