

SOCIETY FOR PEDIATRIC ANESTHESIA  
**SPA-AAP Pediatric Anesthesiology 2024**  
April 12 - 14, 2024  
Anaheim, CA

**ON-DEMAND SESSION: Sparking Joy in the Workplace: Creating a Culturally Competent Environment**

Moderators: *Norah R. Janosy, MD; Tomas A. Lazo, MD; Scott D. Markowitz, MD, MSOL, FAAP*  
**Fostering Community - Igniting the Spark for a Sustainable Workforce**  
Fiona M. Patrao, MD

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* Discuss the role of leadership in creating a culture of community and well-being.*
- \* Describe the connection between healthcare provider well-being and patient safety.*
- \* Identify effective strategies for building a sustainable and engaged workforce.*

**Nurturing the Spark to Create Spaces Where Everyone's Light Shines- Strategies for Supporting Diversity and Inclusion**

Elisha Peterson, MD, FAAP

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* Recognize how mentorship and sponsorship support diversity.*
- \* Define Allyship.*
- \* Discuss the role of term limits for leadership in enhancing diversity.*

**Empowering Excellence: Harnessing Women's Leadership to Transform the Workplace**

Nicole C. McCoy, MD

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* Cite characteristics that distinguish woman leaders.*
- \* Describe the evidence that women leadership leads to organizational success.*
- \* List two actionable steps to support women and women leaders in the workplace.*

**Q & A Discussion ON-DEMAND SESSION: Supraglottic Airways: A New Hope or Revenge of the Larynx?**

Moderators: *John Fiadjo, MD; Mary Lyn Stein, MD*  
**This is the Way: A Practical Approach to LMA Use for Adenotonsillectomy**  
Ammar N. Yamani, MD

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* Address safety concerns of using LMA vs ETT for adenotonsillectomy.*
- \* Discuss patient selection criteria when considering LMA for adenotonsillectomy.*
- \* Pointers and Pitfalls of LMA application for adenotonsillectomy surgery.*

**Airway Advancements: Supraglottic Airway Devices and Their Applications**

Senthil G. Krishna, MD

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* Identify and differentiate the types of supraglottic airways.*
- \* Select appropriate supraglottic airway for specific scenarios.*
- \* Demonstrate proper insertion and maintenance of supraglottic airways.*

**Airway Management and the Larynx: Splitting, Not Splintering, the Uprights**

Joel Portnoy, MD

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* Review basic laryngeal and phonatory anatomy.*
- \* Understand the risks of laryngeal injuries occur during airway management.*
- \* Create an action plan for avoiding, and identifying laryngeal injuries.*

**Airway Management for Patients Who Have an Upper Respiratory Infection**

Philipp J. Houck, MD

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* Choose the appropriate airway device for children who have an upper respiratory tract infection.*
- \* Decide when to remove an airway device under deep anesthesia versus removing it after the emergence from anesthesia.*
- \* Optimize patients prior to their anesthetic to minimize the risk of perioperative respiratory adverse events.*

**Q & A Discussion ON-DEMAND SESSION: A Dream is a State that Anesthesia Makes - Intravenous versus Inhalational Maintenance in Pediatric Anesthesia**

*Moderators: Laura Gilbertson, MD; Ravi D. Shah, MD***Anesthetic Maintenance for Pediatric Patients - The Volatile Debate**

Michael Puglia, MD, PhD

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* Identify children who may benefit from TIVA.*
- \* Critique different factors associated with anesthetic maintenance agents that may modify practice patterns.*
- \* Continue to improve their devised anesthetic maintenance plans.*

**Computer-Assisted Delivery of Anesthesia Care**

Emery N. Brown, MD, PhD

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* Understand the role that EEG-derived indices have played in delivering patient care.*
- \* Understand the role of target-controlled infusions in managing anesthetic state.*
- \* Understand the potential for closed loop anesthesia delivery systems for managing anesthetic state.*

**Beauty and the Beast: A Tale of the Environmental Considerations of TIVA and Volatile Anesthetics**

Diane W. Gordon, MD

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* Categorize and contrast the environmental impacts of volatile anesthetics versus TIVA.*
- \* Identify and eradicate personal behaviors that increase the environmental impact of a volatile-based anesthetic and TIVA.*
- \* List at least 3 systems solutions that reduce the environmental impact of TIVA.*

**Propofol Regulation and Substance Abuse Risk**

Paul Earley, MD, DFASAM

*Objectives:*

*Upon completion of this presentation, the participant will be able to:*

- \* List the prevalence and consequences of propofol misuse.*
- \* Describe the components of the treatment of propofol misuse.*
- \* Delineate complication associated with return to work after a course of propofol dependence.*

**Q & A Discussion ON-DEMAND SESSION: Flash Rounds - Hot Topics in Pediatric Anesthesia**

*Moderators: Justin B. Long, MD, MHI, FAAP; Sarah Titler, MD*

*Objectives:*

*Upon completion of this session, the participant will be able to:*

- \* Describe the current topics that are most timely in pediatric anesthesiology education and research.*
- \* Propose changes to practice based on the most recent literature.*

**Insulin Pump Management and Guidelines**

Audra Webber, MD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Understand that perioperative glucose values are more predictive of adverse outcomes than HbA1C.
- \* Know that the patient's basal rate on their insulin pump can be continued unchanged for minor procedures.

**You Must Be at Least this Tall to Ride this Ride - Update on Neonatal and Infant Perioperative Risk**

Peggy Vogt, MD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Compare the overall risk for neonates and infants undergoing anesthesia to older patients.
- \* Discuss the factors most related to increased risk under anesthesia for our youngest patient population.

**Disaster Preparedness**

Josh Stopak, MD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Increase anesthesiologists understanding of disaster preparedness.
- \* Illustrate the importance of anesthesiologists being at the forefront of disaster preparedness.

**Neurodevelopmental Impact of Anesthesia and Sedation in Children with Congenital Heart Disease**

Allan Simpao, MD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Outline the recent literature on the specific impacts of various anesthetics used in pediatric cardiac surgery.
- \* Describe whether exposure to volatile anesthetic agents, opioids, benzodiazepines, dexmedetomidine, and ketamine correlate with abnormal neurodevelopmental scores in children with congenital heart disease.
- \* Appraise the risks and benefits of particular anesthetics when administered to children with congenital heart disease.

**How Accurate is NIBP During Anesthesia for Children?**

Richard Beringer, MD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Describe the current topics that are most timely in pediatric anesthesiology education and research.
- \* Propose changes to practice based on the most recent literature.

**Fentanyl Dosing in Pediatric Obesity**

Debnath Chatterjee, MD, FAAP

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Describe the current topics that are most timely in pediatric anesthesiology education and research.
- \* Propose changes to practice based on the most recent literature.

**Q & A Discussion****THURSDAY, APRIL 11, 2024**

6:00 AM – 5:00 PM

**Registration**

Location: Platinum Registration

**WORKSHOP SESSION****5:00 PM - 7:00 PM PT**

5:00 PM – 7:00 PM

**WORKSHOP: Addressing Microaggressions in the Perioperative Space**

Coordinator: Anushree K. Doshi, MD; Elizabeth O'Brien, MD

Lynda R. Arai, MD; Jennifer Babia-Espiritu, CRNA; Jennifer L. Chiem, MD; Shofolohan DaSilva; Heather Farrell, MSN, CRNA; Annery Garcia-Marcinkiewicz, MD, MSCE; Judith Jones, MD; Shanique Kilgallon, MD; Marc Parris, MD, MPH

*Objectives:*

*Upon completion of this workshop, participants will be able to:*

*\* Define microaggressions and the four main subtypes.*

*\* Recognize the consequences of microaggressions in medicine.*

*\* Expose participants to examples of microaggressions in the OR through role-playing sessions and video examples.*

*\* Introduce the ERASE framework (Expect mistreatment will happen, Recognize episodes of mistreatment, Address the situation in real time, Support the learner after the event, Establish/Encourage a positive culture) and apply this framework to real-world situations using language examples from a pre-established 16-item toolkit.*

Location: Orange County Ballroom 4

**WORKSHOP SESSION  
5:00 PM - 7:30 PM PT**

5:00 PM – 7:30 PM

**WORKSHOP: Pediatric Advanced Ultrasound Guided Regional Anesthesia Workshop**

*Coordinator: Chris D. Glover, MD*

Trevor Adams, MD; Tarun Bhalla, MD, MBA, FASA, FAAP; Adrian T. Bosenberg, MB, ChB, FFA; Candice M. Burrier, MD; Clint Fuller, MD; Arjunan Ganesh, MBBS; Hussam Ghabra, MD; Nihar V. Patel, MD; Kesavan Sadacharam, MD; Amod Sawardekar, MD, MBA; Ravi D. Shah, MD; Rani A. Sunder, MD; Angelica A. Vargas, MD; Keziah Vargas, MD

*Objectives:*

*Upon completion of this workshop, participants will be able to:*

*\* Differentiate ultrasound probes for various age groups in the performance of advanced ultrasound guided regional blocks.*

*\* Demonstrate the anatomy using ultrasound guidance for advanced peripheral nerve blocks including upper and lower extremity, truncal, and head and neck blocks.*

*\* Distinguish the optimal regional anesthetic technique based on case presentations through scanning and performance of the advanced peripheral nerve blocks utilized in pediatric anesthesia practice.*

Location: La Jolla Ballroom - Lower Level

**SPPM/SPA WORKSHOP SESSION  
5:15 PM - 6:45 PM PT**

**Visit [sppmmmg.org](http://sppmmmg.org) for more information!**

5:15 PM – 6:45 PM

**SPPM/SPA WORKSHOP: We've Got Your Back: Hands-On Ultrasound Skills for Neuraxial Procedures and a Guide to Create Your Own Phantom**

Location: Grand Ballroom AB

**SPPM/SPA WORKSHOP SESSION  
5:15 PM - 7:15 PM PT**

**Visit [sppmmmg.org](http://sppmmmg.org) for more information!**

5:15 PM – 7:15 PM

**SPPM/SPA WORKSHOP: Basic Ultrasound Guided Regional Anesthesia with Simulation Training**

Location: Grand Ballroom CD

**FRIDAY, APRIL 12, 2024**

6:00 AM – 5:00 PM

**Registration**

Location: Platinum Registration

**BREAKFAST WITH EXHIBITORS  
6:00 AM - 7:30 AM PT**

7:30 AM – 7:45 AM

**Welcome and Outline of Educational Program**

Debnath Chatterjee, MD, FAAP; Jim Fehr, MD; Justin B. Long, MD, MHI, FAAP

Location: Marquis Ballroom Center

**SESSION I: Part of Your World - Caring for Children with Autism**

Moderators: Lisa M. Einhorn, MD; Julie Williamson, DO

7:45 AM – 8:00 AM

**Autism and Neurodiversity - New Terminology**

Ingrid Moreno Duarte, MD, FASE

Objectives:

*Upon completion of this presentation, the participant will be able to:*

- \* *Shed light on the evolving terminology in autism and neurodiversity, providing a shared understanding of the diverse spectrum of conditions.*
- \* *Promote inclusive language and culture that values the unique qualities of neurodivergent individuals.*
- \* *Underscore the significance of integrating neurodiversity considerations into perioperative care protocols for a more inclusive healthcare approach.*

8:00 AM – 8:15 AM

**Autism and Neurodiversity in the Perioperative Environment**

Greta Duncan Wiebe, MD

Objectives:

*Upon completion of this presentation, the participant will be able to:*

- \* *Identify the importance of individualized person-centered care for the neurodiverse patient.*
- \* *Identify common sensory sensitivities and management strategies.*
- \* *Discuss the importance of interdisciplinary coordinate for neurodiverse patients.*

8:15 AM – 8:30 AM

**Current Theories on the Symptoms of Autism**

Lynne M. Sterni, MD

Objectives:

*Upon completion of this presentation, the participant will be able to:*

- \* *Summarize current theories regarding the etiology of autism spectrum disorder.*
- \* *Identify scientifically disproved causes of autism, often propagated through popular culture.*

8:30 AM – 8:45 AM

**Prepping the Autistic Patient Using Evidence-Based Strategies**

Connie Kasari, PhD

Objectives:

*Upon completion of this presentation, the participant will be able to:*

- \* *Identify 2 challenges an autistic patient may encounter during a medical procedure.*
- \* *Recommend 2 strategies that may help patient to comply with medical procedure.*
- \* *Identify at least 2 follow up strategies if initial strategy does not work.*

8:45 AM – 9:00 AM

**Q & A Discussion****SESSION II: Seeing Through the Eyes of a Child - Pediatric Ophthalmic Anesthesia**

Moderators: Bishr Haydar, MD; Joanne E. Shay, MD

9:00 AM – 9:15 AM

**Thinking Outside the Orbit: How Ophthalmic Regional Anesthesia Can Benefit the Pediatric Patient Undergoing Eye Surgery**

Alecia S. Stein, MD

Objectives:

*Upon completion of this presentation, the participant will be able to:*

- \* *Contrast the anatomical differences in the pediatric and adult eye and orbit.*
- \* *Differentiate the risks and benefits of extraconal (peri-bulbar) versus intraconal (retro-bulbar) needle-based blocks in the pediatric population.*
- \* *Discuss the optimal dosage and volume requirements for effective analgesia in a needle-based pediatric eye block for postoperative pain control.*
- \* *List the evidence supporting the utility of ophthalmologic regional anesthesia for children and infants undergoing eye surgery.*

9:15 AM – 9:30 AM

**ROP Considerations and Anesthesia**

Katherine Bailey, MD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Summarize the ophthalmologic management of Retinopathy of Prematurity (ROP).
- \* Summarize the standard anesthetic management for treatment of ROP.
- \* Assess patient suitably for management with novel anesthetic techniques including General Anesthesia Without Airway (GAWA).
- \* Implement novel anesthetic techniques used for treatment of Retinopathy of Prematurity including the use of Humidified High Flow Nasal Cannula (HHFNC).

9:30 AM – 9:40 AM

**Intra-arterial Chemotherapy for Retinoblastoma**

John B. Eck, MD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Review the rationale for targeted chemotherapeutic treatment of ocular malignancy in children.
- \* Understand the specific aspects of anesthesia care recommended during intra-arterial chemotherapy procedures.
- \* Describe the unique potential intra-procedure complications associated with retinal artery chemotherapy administration.

9:40 AM – 9:50 AM

**Q & A Discussion****COFFEE BREAK WITH EXHIBITORS****9:50 AM - 10:20 AM PT****SESSION III: Imagination Beyond Your Own - Artificial Intelligence and Anesthesiology***Moderators: Justin B. Long, MD, MHI, FAAP; Jonathan M. Tan, MD, MPH, MBI, FASA*

10:20 AM – 10:35 AM

**Traditional AI and Machine Learning Applications in Anesthesiology**

Vikas N. O'Reilly-Shah, MD, PhD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Explain the basic principles and techniques of traditional AI and machine learning as applied to anesthesiology.
- \* Discuss examples of current uses of traditional AI and machine learning in areas like perioperative risk prediction, closed-loop anesthesia delivery, and patient monitoring.
- \* Evaluate the strengths and limitations of traditional AI approaches compared to newer deep learning techniques for anesthesia applications.

10:35 AM – 10:50 AM

**Deep Learning and Neural Network Applications in Anesthesiology**

Hannah Lonsdale, MBChB

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Discuss the similarities and differences between deep learning and other forms of artificial intelligence.
- \* Critically appraise current and future clinical applications of deep learning in pediatric anesthesiology.
- \* Explain the barriers to development and implementation of machine learning-based tools in pediatric anesthesiology.

10:50 AM – 11:05 AM

**Generative AI and Machine Vision in Anesthesia**

Clyde Matava, MD, MBChB

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Critically review the current advances in generative AI and machine learning for anesthesia.
- \* Implement strategies that help implement Generative AI and Machine Vision techniques within their research, quality or education endeavors.

11:05 AM – 11:15 AM

**Q & A Discussion****SESSION IV: AAP Advocacy Session: Human Trafficking***Moderators: Lynn R. Correll, MD, PhD, FASA, FAAP, ABOIM; Christina D. Diaz, MD, FASA, FAAP*

11:15 AM – 12:00 PM

**Human Trafficking - Identification and Healthcare Response to Sex Trafficking of Minors**

Angela Rabbitt, DO, FAAP

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Discuss the identification and recommendations for screening of sex trafficking from the perspectives of youth with lived experience.
- \* Review vulnerabilities of youth that predispose to coercion by traffickers.
- \* Discuss youth and young adult's perspectives of healthcare and community responses that aid in exiting and recovering from a trafficking situation.

12:00 PM – 12:10 PM

**Q & A Discussion**

12:10 PM – 12:30 PM

**Robert M. Smith Award - Elliot J. Krane, MD****LUNCH WITH EXHIBITORS****12:30 PM - 1:30 PM PT****SESSION V: SPA-SPPM-ASRA JOINT SESSION - Guardians of the Analgesic Galaxy***Moderators: Karen R. Boretsky, MD; Melissa M. Masaracchia, MD*

1:30 PM – 1:50 PM

**Infant Spinals: When, What, and How**

Ashlee Holman, MD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Examine suitable uses for spinal anesthesia in pediatric surgery.
- \* Describe the benefits of pediatric spinal anesthesia for patients, families, and surgeons.
- \* Provide strategies for implementation of a successful pediatric spinal anesthesia program.

1:50 PM – 2:10 PM

**Adjuvant Adventures: A Galactic Quest in Pediatric Regional Anesthesia**

Michelle S. Kars, MD, FAAP

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Provide an overview of the techniques current evidence for incorporating adjuvant medications in various peripheral nerve blocks.
- \* Explain the pharmacological properties of common adjuvant medications used in pediatric regional regional blocks.
- \* Address potential risks, complications, and age-related factors that may influence the selection and administration of adjuvants.

2:10 PM – 2:30 PM

**Liposomal Bupivacaine in Children: What Do We Know?**

Nihar V. Patel, MD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Explore the pharmacology of liposomal bupivacaine.
- \* Review the literature for the use of liposomal bupivacaine in pediatrics.
- \* Discuss clinical applications of liposomal bupivacaine.
- \* Explore possible pathway(s) for liposomal bupivacaine in pediatrics.

2:30 PM – 2:45 PM

**Q & A Discussion****ICE CREAM BREAK WITH EXHIBITORS****2:45 PM - 3:00 PM PT****WORKSHOP SESSION****3:00 PM - 4:30 PM PT**

3:00 PM – 4:30 PM

**WORKSHOP: Immersive Technologies in Perioperative Anxiety and Chronic Pain Management***Coordinator: Thomas Caruso, MD, PhD, FASA; Ellen Ya-Ping Wang, MD*

Lenard Babus, MD; Kathleen Chen, MD; Clint Fuller, MD; Justin Libaw, MD; Kim-Phuong Thi Nguyen, MD; Vanessa A. Olbrecht, MD, MBA, FASA; Asheen Rama, MD; Samuel Rodriguez, MD; Jina Sinskey, MD; Jonathan M. Tan, MD, MPH, MBI, FASA; Romy Yun, MD

*Objectives:*

*Upon completion of this workshop, participants will be able to:*

- \* List several types of immersive technology and identify various resource available that may be useful to helping reduce anxiety and acute and chronic pain.*
- \* Describe ways to modify currently available technology for use in different practices.*
- \* Discuss the benefits of decreased pharmacologic interventions in achieving anxiolysis and improved analgesia.*
- \* Review modalities such as virtual reality, video/computer games, movies etc and the various scenarios where they are useful.*

Location: Orange County Ballroom 1

**WORKSHOP SESSION  
3:00 PM - 5:00 PM PT**

3:00 PM – 5:00 PM

**WORKSHOP: Advanced Techniques for Peripheral Vascular Access**

*Coordinator: Gregory J. Schears, MD*

Franklin B. Chiao, MD; Andrea Dutoit, MD; Peace Eneh, MD, MPH; Julia A. Galvez Delgado, MD, MBI, FASA; Stephen J Gleich, MD, FAAP, FASA; Dawit T. Haile, MD; Katie Handlogten, MD; Frederick Kuo, MD; Elaina Lin, MD; Jessica Lorenz, MD; Joseph W. McSoley, MD; Olivia Nelson, MD; Michael E Nemerget, MD; Elizabeth O'Brien, MD; Kaitlyn Pellegrino, MD; Kim Strupp, MD; Ashley Wong Grossman, MD; Luis M. Zabala, MD

*Objectives:*

*Upon completion of this workshop, participants will be able to:*

- \* Learn a very reliable, precise means of obtaining peripheral access using ultrasound guidance.*
- \* Discuss the value of NIR with peripheral venous access planning and achievement.*
- \* Practice use and understand implications of intraosseous catheters to obtain venous access.*
- \* Discuss problems related to difficult vascular access and solutions to help meet patient needs.*
- \* Learn the importance of pre-access assessment and how you can help improve a patient's hospital experience by understanding their vascular access needs and viable venous targets.*

Location: Grand Ballroom E

**WORKSHOP SESSION  
3:00 PM - 5:30 PM PT**

3:00 PM – 5:30 PM

**WORKSHOP: Pediatric Advanced Ultrasound Guided Regional Anesthesia Workshop**

*Coordinator: Chris D. Glover, MD*

Trevor Adams, MD; Tarun Bhalla, MD, MBA, FASA, FAAP; Adrian T. Bosenberg, MB, ChB, FFA; Candice M. Burrier, MD; Clint Fuller, MD; Arjunan Ganesh, MBBS; Hussam Ghabra, MD; Nihar V. Patel, MD; Kesavan Sadacharam, MD; Amod Sawardekar, MD, MBA; Ravi D. Shah, MD; Rani A. Sunder, MD; Angelica A. Vargas, MD; Keziah Vargas, MD

*Objectives:*

*Upon completion of this workshop, participants will be able to:*

- \* Differentiate ultrasound probes for various age groups in the performance of advanced ultrasound guided regional blocks.*
- \* Demonstrate the anatomy using ultrasound guidance for advanced peripheral nerve blocks including upper and lower extremity, truncal, and head and neck blocks.*
- \* Distinguish the optimal regional anesthetic technique based on case presentations through scanning and performance of the advanced peripheral nerve blocks utilized in pediatric anesthesia practice.*

Location: La Jolla Ballroom - Lower Level

**WORKSHOP SESSION  
3:00 PM - 6:00 PM PT**

3:00 PM – 6:00 PM

**WORKSHOP: Ultrasound-Guided Caudal Block, Single Injections, with Catheter Advanced Cephalad at the Lumbar or Thoracic Spine Level**

*Coordinator: Mihaela Visoiu, MD*

Harshad G. Gurnaney, MBBS, MPH; Michael D. Nicolay, MD; Lu'ay Nubani, MD; Jonathan M. Tan, MD, MPH, MBI, FASA



**Objectives:**

Upon completion of this workshop, participants will be able to:

- \* Recognize ultrasound landmarks for performing caudal single-injection nerve blocks and catheters.
- \* Learn how to perform ultrasound-guided caudal single-injection blocks.
- \* Learn how to place caudal epidural catheters in advanced cephalad at the lumbar or thoracic level and to confirm the catheters' tip at the desired spinal level.
- \* Learn to avoid complications such as needle placement under the coccyx, subcutaneously, or inside the dural sac.

Location: Elite Ballroom

3:00 PM – 6:00 PM

**WORKSHOP: Difficult Airway Workshop**

Coordinator: Julianna Clark-Wronski, MD; Febina Padiyath, MD; Luis Sequera Ramos, MD; Christopher G. Ward, MD

Nicholas Burjek, MD; Goretti Chiang, DO; Rodrigo Daly Guris, MD; Elizabeth Eastburn, DO; Annery Garcia-Marcinkiewicz, MD, MSCE; Cheryl K. Gooden, MD, FAAP; Emily Hesselink, MD; Grace Hsu, MD; Bjorn Jensen, MD; Ji Yeon Jemma Kang, MD; Leili Khorassani, MD; Alina Lazar, MD; Sang Le, MD; Carl Lo, MD; Maria Matuszczak, MD; Bridget L. Muldowney, MD; Michale S. Ok, MD; Ayodele Oke, MD; Marc Parris, MD, MPH; Amish Patel, MD; Vikram P. Patel, MD, MBBS; Elizabeth S. Pealy, MD; Mitchell Phillips, MD; Deepika Rao, MD; Matthew Rowland, MD; Lisa Sohn, MD; Brian P. Struyk, MD; T. Wesley Templeton, MD, FASA; Olga Wolke, MD; Jennifer Yoo, MD

**Objectives:**

Upon completion of this workshop, participants will be able to:

- \* Recognize situations and pediatric syndromes in which alternative methods for securing the airway may be necessary.
- \* Develop a systematic anatomic and physiologic approach to the assessment of the difficult airway and to planning airway management.
- \* Describe new devices and technologies for securing the airway and what their indications and limitations are.
- \* Utilize above devices and technologies for securing the airway.

Location: Marquis Ballroom Northwest

**PBLD & ROUND TABLE DISCUSSIONS SESSION 1**

**3:00 PM - 4:20 PM PT**

3:00 PM – 4:20 PM

**PBLD 1: Pediatric Extracorporeal Life Support (ECLS): A Crash Course in Crashing onto ECMO**

Faith J. Ross, MD; Michael Wadle, MD

**Objectives:**

Upon completion of this PBLD, the participant will be able to:

- \* Identify, distinguish, and evaluate different types of ECMO cannulation.
- \* Better understand ECMO mechanics and troubleshooting problems in cannulated pediatric patients.
- \* Better appreciate the nuances of hemodynamic and anticoagulation management in pediatric patients cannulated with ECMO devices.
- \* Become more adept at managing cannulated patients in the operating room.

Location: Grand Ballroom F

3:00 PM – 4:20 PM

**PBLD 2: Mediastinal Mass: Challenges and Considerations, When to Call ECMO?**

Martina Gomez Downard, MD, FASA; Lan Chi Tran, MD

**Objectives:**

Upon completion of this PBLD, the participant will be able to:

- \* Recognize the clinical presentation of a mediastinal mass and superior vena cava (SVC) syndrome.
- \* Discuss physiological concerns of a mediastinal mass to include pleural and pericardial effusions.
- \* Identify key perioperative concerns and anesthetic risks of children with mediastinal mass and implications for medical and surgical planning.
- \* Review resource management, including ECMO and point-of-care ultrasound exams.
- \* Discuss team building and communication skills in the operating room.

Location: Grand Ballroom F

3:00 PM – 4:20 PM

**PBLD 3: Knocking Out Microaggressions: Surviving the Bumps and Jabs on the Job**

Anne C. Boat, MD; Mitchell Phillips, MD

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

- \* Demonstrate proficiency in recognizing various forms and manifestations of microaggressions.*
- \* Analyze microaggressions using the Microaggression Triangle model.*
- \* Engage in critical self-reflection to identify personal biases and assumptions contributing to microaggressions in the operating room.*
- \* Demonstrate the ability to assess and challenge these biases, fostering a more inclusive and respectful environment.*

Location: Grand Ballroom F

3:00 PM – 4:20 PM

**PBLD 4: The Impossible Airway: Managing the 'Can't Intubate, Can't Ventilate' Neonate Presenting with Respiratory Failure**

Semerjit Bains, MD; Shawn Jackson, MD, PhD

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

- \* Review the pathophysiology and relevant anatomy of severe neonatal laryngotracheal stenosis, including etiologies, presentation, and medical and surgical treatment options.*
- \* Discuss surgical approaches and their perioperative challenges, focusing on airway and management, ventilation strategies and the use of heliox, and the potential need for tracheostomy.*
- \* Assess anesthetic options during airway interventions, including the use of volatile vs. intravenous anesthetic management.*
- \* Recognize key 'red flag' factors during the perioperative assessment and the importance of interdisciplinary team preparation.*
- \* Discuss the use of extracorporeal membrane oxygenation (ECMO) as a rescue strategy in decompensating patients with multi-level laryngotracheal stenosis.*

Location: Grand Ballroom F

3:00 PM – 4:20 PM

**PBLD 5: The Cerebral Palsy Patient - Providing Adequate Pain Management in a Routine Surgery**

Rachel K. Garza, MD; Kasey Lierz, MD

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

- \* Cerebral palsy is a spectrum of permanent neurodevelopmental disorders that affects an individual's muscle tone, motor functions, movement, and posture caused by injury or abnormal development of the immature brain. Recognize how these unique neurodevelopmental characteristics affect the patient's surgical experience regarding pain management intra and post operatively.*
- \* Identify the risks, benefits, and appropriate utilization of different pain management approaches to the cerebral palsy patient such as regional nerve block, epidural injection or infusion, and opioid use.*
- \* Understand the importance of diplomatic and patient centered discussions with the caregiver and surgical team regarding the pain management plan in the cerebral palsy patient.*

Location: Grand Ballroom F

3:00 PM – 4:20 PM

**RTD 1: Getting Your First Clinical Research Grant/Funding**

Vidya Chidambaran, MBBS, MD; Jennifer K. Lee, MD

*Objectives:*

*Upon completion of the Round Table Discussion, the participant will be able to:*

- \* Initiate scholarly endeavors and manage challenging clinical and professional scenarios.*
- \* Develop a personalized approach for initiating scholarly projects and explore various techniques for dealing with difficult or controversial clinical and professional situations.*

Location: Grand Ballroom F

3:00 PM – 4:20 PM

**RTD 2: Forging the Path Ahead: Enhancing Professional Fulfillment Through Trust, Purpose and Engagement**

Stephanie Black, MD, EdM; Laura Petrini, MD

*Objectives:*

*Upon completion of the Round Table Discussion, the participant will be able to:*

- \* Initiate scholarly endeavors and manage challenging clinical and professional scenarios.*
- \* Develop a personalized approach for initiating scholarly projects and explore various techniques for dealing with difficult or controversial clinical and professional situations.*

Location: Grand Ballroom F

### SEMINARS SESSION 1 3:00 PM - 4:20 PM PT

3:00 PM – 4:20 PM

#### SEMINAR 1: Taking the Drama Out of Trauma: A Pediatric Trauma Update

Coordinator: Meera Gangadharan, MBBS, FAAP; Kristin L. Richards, MD

James G. Cain, MD, MBA, FASA, FAAP; Amy Graham-Carlson, MD; Denisa Haret, MD; Kristyn B. Ingram, MD; Cathie T. Jones, MD; Kirk Lalwani, MBBS, FRCA, MCR; Preethy Mathew, MD; Carl L. McMullen, DO; Anna Maria Onisei, MD; Ruchik Sharma, MD; Michelle Sheth, MD; Katherine M. Slogic, MD; Josh Stopak, MD; Maxwell Teets, MD; Monica S. Vavilala, MD; Clementine Vo, DO

#### Objectives:

Upon completion of this seminar, the participant will be able to:

- \* Assess a pediatric trauma patient based on the principles described in the latest advanced trauma life support student course manual.
- \* Describe three components of damage control resuscitation.
- \* Critique the latest recommendations of the Brain Trauma Foundation for pediatric traumatic brain injury.
- \* Analyze three error traps in pediatric trauma such as hypovolemia, blunt cerebrovascular injury and missed cases of non-accidental trauma.

Location: Grand Ballroom AB

3:00 PM – 4:20 PM

#### SEMINAR 2: "Are You Prepared for Challenging Interactions?" Practical Approaches and Medicolegal Aspects to Handling Challenging Parental interactions and Disclosing Unanticipated Events

Coordinator: Lisa Caplan, MD; Youstina Sawires, MD

Tanna J. Boyer, DO, MS; Priscilla J. Garcia, MD; Ranu R. Jain, MD; Sabina Khan, MD; Kenneth L. Wayman, MD; Chelsea A. Willie, MD

#### Objectives:

Upon completion of this seminar, the participant will be able to:

- \* Identify two benefits of parental presence.
- \* Identify and recognize one method to managing a challenging parental encounter.
- \* Identify and demonstrate three methods to deliver difficult news to a family.
- \* Differentiate medical negligence, unanticipated event, medical error, serious safety event, and sentinel event.
- \* Review and describe an established protocol for disclosing an unanticipated outcome.

Location: Grand Ballroom CD

### PBLD & ROUND TABLE DISCUSSIONS SESSION 2 4:40 PM - 6:00 PM PT

4:40 PM – 6:00 PM

#### PBLD 6: Airway Emergency During Lefort Osteotomy!

Robert S. Greenberg, MD; Logan Williams, MD

#### Objectives:

Upon completion of this PBLD, the participant will be able to:

- \* Describe the key features of Le Fort Maxillofacial surgery.
- \* Recognize key risks in managing the airway in LeFort Facial surgery.
- \* Describe strategies for clear, timely, and collaborative communication among the OR team.
- \* Describe the different etiologies of "air leak" intraoperatively in Le Fort procedures.
- \* Describe option for managing an acute, near complete air leak intraoperatively in Le Fort procedures.

Location: Grand Ballroom F

4:40 PM – 6:00 PM

#### PBLD 7: My Head Hurts: Anesthetic Considerations for Craniosynostosis Repair in a Patient with Glenn Physiology

Catherine A. Dietrich, MD; Kaitlin Flannery, MD, MPH

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

- \* Describe single ventricle anatomy and physiology with a focus on superior cavopulmonary connections (SCPC), also known as bidirectional Glenn's (BDG).*
- \* Discuss the preoperative assessment and anesthetic considerations for patients with BDGs undergoing non-cardiac surgery.*
- \* Explain how Glenn physiology will impact perioperative management in a patient undergoing a craniostomy repair.*
- \* Explain what elements of management may be more or less challenging than in a patient without congenital heart disease.*

Location: Grand Ballroom F

4:40 PM – 6:00 PM

**PBLD 8: Sick Cell Anemia and One Lung Ventilation, is that possible?!**

Meaghan Fuhrmann, MD; Jamie Sinton, MD

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

- \* Contrast expectant vs. surgical management options in congenital lobar emphysema.*
- \* Debate competing priorities in managing sickle cell disease and one lung ventilation.*
- \* List post-operative pain control options in patients with sickle cell disease.*

Location: Grand Ballroom F

4:40 PM – 6:00 PM

**PBLD 9: Anesthetic Management of Surgical Repair of Tracheobronchomalacia**

Frederick Kuo, MD; Carlos J. Munoz, MD

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

- \* Discuss options for airway and anesthetic management in cases where dynamic rigid bronchoscopy is necessary to evaluate the airway.*
- \* Review pre-operative workup and indications for surgical airway repair.*
- \* Describe the typical sequence of events and anticipated complications during airway and associated vascular surgery, as well as major thoracic surgery in general.*
- \* Discuss options for and risks of airway and anesthetic management during airway and associated vascular surgery.*
- \* Discuss post-operative management following airway surgery.*

Location: Grand Ballroom F

4:40 PM – 6:00 PM

**PBLD 18: Waste Not, Want Not: Creating a Roadmap to Sustainability in the OR**

Wanda Chin, MD; Neeta Singh, MD

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

- \* Discuss the role of the pediatric anesthesiologist in adopting sustainability practices in the OR.*
- \* Discuss methods to evaluate and quantify an anesthesia department's carbon footprint.*
- \* Assess the optimal pediatric induction, inhalational versus intravenous. Debate the role of nitrous oxide in mask induction and its utility versus its environmental impact.*
- \* Define a circle economy and examine the role of recycling and reprocessing in achieving sustainability.*
- \* Develop a roadmap for "greening" the OR by identifying carbon and waste intensive practices.*

Location: Grand Ballroom F

4:40 PM – 6:00 PM

**RTD 4: How to Excel as a Journal Peer Reviewer**

Lynne Gerson Maxwell, MD, FAAP; Olubukola O. Nafiu, MD, FRCA, MS

*Objectives:*

*Upon completion of the Round Table Discussion, the participant will be able to:*

- \* Initiate scholarly endeavors and manage challenging clinical and professional scenarios.*
- \* Develop a personalized approach for initiating scholarly projects and explore various techniques for dealing with difficult or controversial clinical and professional situations.*

Location: Grand Ballroom F

4:40 PM – 6:00 PM

**RTD 5: Pathways to Leadership in Professional Societies for Early and Mid-career Faculty**

Nina Deutsch, MD; Peggy P. McNaull, MD

*Objectives:*

*Upon completion of the Round Table Discussion, the participant will be able to:*

*\* Initiate scholarly endeavors and manage challenging clinical and professional scenarios.*

*\* Develop a personalized approach for initiating scholarly projects and explore various techniques for dealing with difficult or controversial clinical and professional situations.*

Location: Grand Ballroom F

**SEMINARS SESSION 2  
4:40 PM - 6:00 PM PT**

4:40 PM – 6:00 PM

**SEMINAR 3: Advanced Seminar in Quality Improvement, Safety and Performance Management**

*Coordinator: Imelda Tjia, MD*

Robert M. Brustowicz, MD, FAAP, FACMQ; David W. Buck, MD; Rajeev S. Iyer, MD; Megha K. Kanjia, MD; Rahul Koka, MD, MPH; Sally E. Rampersad, MB DCH FRCA; Laura Schleelein, MD; Anna M. Varughese, MD, MPH

*Objectives:*

*Upon completion of this seminar, the participant will be able to:*

*\* Explain the utility of graphs, diagrams and charts used in advanced QI analytical methods.*

*\* Experience a practical exercise to construct a control chart using data.*

*\* Compare and contrast the advanced safety principles (Safety I vs. Safety II vs. Safety III).*

*\* Articulate the advantages of using the Lean framework and when to use it.*

Location: Grand Ballroom AB

4:40 PM – 6:00 PM

**SEMINAR 4: First Steps in Transforming Culture in Well-being: Selecting Evidence-based Interventions to Promote an Environment of Well-Being**

*Coordinator: Rebecca Margolis, DO, FAOCA; Jina Sinskey, MD*

Stephanie Black, MD, EdM; Norah R. Janosy, MD; Samuel D. Yanofsky, MD, MEd

*Objectives:*

*Upon completion of this seminar, the participant will be able to:*

*\* Identify current organizational activities that support physician well-being.*

*\* Identify an existing need (gap) in physician well-being at your institution.*

*\* Discuss evidence-based interventions that can promote well-being.*

*\* Develop a customized mini change plan to promote cultural change and clinician well-being in your workplace.*

Location: Grand Ballroom CD

**EXHIBITOR RECEPTION  
5:30 PM - 7:30 PM PT**

**SATURDAY, APRIL 13, 2024**

6:00 AM – 5:00 PM

**Registration**

Location: Platinum Registration

**CONTINENTAL BREAKFAST WITH EXHIBITORS  
6:00 AM - 7:30 AM PT**

6:15 AM – 7:15 AM

**Moderated Case Report Posters**

Moderators: Titilopemi Aina-Jones, MD, MPH, FAAP, FASA; Carlos Javier Campos Lopez, MD, FAAP; Jerry Chao, MD, MS; Eric Cheon, MD; Priti G. Dalal, MBBS, MD, FRCA; Richard M. Dsida, MD; John Fiadjo, MD; Meera Gangadharan, MBBS, FAAP; Harshad G. Gurnaney, MBBS, MPH; Bishr Haydar, MD; Rajeew S. Iyer, MD; Alina Lazar, MD; Maria Matuszczak, MD; Christian Mpody, MD, PhD, MBA; Olubukola O. Nafiu, MD, FRCA, MS; Vanessa A. Olbrecht, MD, MBA, FASA; David M. Polaner, MD, FAAP; Michael Puglia, MD, PhD; Radhamangalam J. Ramamurthi, MD, FRCA; Vidya T. Raman, MD, MBA, FASA, FAAP; Arundathi M. Reddy, MBBS, MBA; Emmett E. Whitaker, MD

**Objectives:**

Upon completion of this session, the participant will be able to:

- \* Discuss the latest scientific studies that are being performed in pediatric anesthesia to advance the specialty.
- \* Discuss the advantages and disadvantages of new techniques and data related to pediatric anesthesiology studies.
- \* Understand specific lessons learned from the literature as they relate to various aspects of pediatric anesthesia, including regional, cardiac, and pain management.

Location: Grand Ballroom EF

**SESSION I: Healthcare in a Time of Crisis - Experiences in Ukraine**

Moderators: Mohammed Iqbal Ahmed, MBBS; Yuanting Zha, MD

7:30 AM – 7:45 AM

**International Scholar Lecture - Providing Care in Ukraine**

Andrii Vysotskyi, MD

**Objectives:**

Upon completion of this presentation, the participant will be able to:

- \* Describe the impacts of war on the healthcare system in Ukraine.
- \* Apply principles of vigilance to monitoring standards of care in extremely constrained medical systems.
- \* Illustrate the human impacts of war as experienced by children engaging with the healthcare system in Ukraine.

7:45 AM – 8:00 AM

**Heading Into a War Zone - Medical Mission in Ukraine**

Clementine Vo, DO

**Objectives:**

Upon completion of this presentation, the participant will be able to:

- \* Explore the logistical hurdles and complexities associated with conducting a short-term medical mission in a country at war.
- \* Analyze the distinctive cultural challenges faced by health care professionals when participating in medical missions as visitors to a country at war.
- \* Illustrate the necessity for an innovative and adaptable mindset in the context of providing anesthesia safely in a country with challenging resources.

8:00 AM – 8:10 AM

**Q & A Discussion****SESSION II: AAP Ask the Experts: Pediatric Obesity in the Perioperative Setting**

Moderators: Debnath Chatterjee, MD, FAAP; Brittany L. Willer, MD

8:15 AM – 8:45 AM

**Pediatric Metabolic and Bariatric Surgery: Evidence, Outcomes, and Ongoing Challenges**

Marc Michalsky, MD, MBA, FACS, FASMBS, FAAP

**Objectives:**

Upon completion of this presentation, the participant will be able to:

- \* Become familiar with relevant demographic and co-morbidity data supporting the use of metabolic and bariatric surgery in the pediatric population.
- \* As delineated in recent publications from the American Academy of Pediatrics (i.e. 2019 AAP Policy Statement and 2023 AAP Clinical Practice Guidelines), learners should be able to cite best practice recommendations, including general eligibility criteria for metabolic and bariatric surgery as treatment for severe childhood obesity.
- \* Become familiar with major findings related to the Teen Longitudinal Assessment of Bariatric Surgery (Teen-LABS) study and recognize that a number of key challenges remain regarding current and future access to care.

8:45 AM – 9:15 AM

**Anesthetic Implications of Pediatric Obesity and its Management**

Jessica Berger, MD

**Objectives:**

Upon completion of this presentation, the participant will be able to:

- \* Summarize the impact of general anesthesia on the physiology of the obese pediatric patient.
- \* Describe the pharmacologic effects of glucagon-like peptide (GLP) 1 receptor agonists and implications for patients under general anesthesia.
- \* Assess the obese patient's risk for aspiration using point of care gastric ultrasound.
- \* Develop a safe, comprehensive anesthetic plan for the obese pediatric patient.

9:15 AM – 9:30 AM

**Q & A Discussion****COFFEE BREAK WITH EXHIBITORS****9:30 AM - 10:00 AM PT****SESSION III: Poster Presentations and Awards**

Moderators: Rajeev S. Iyer, MD; Mary F. Landrigan-Ossar, MD, PhD, FAAP, FASA

10:00 AM – 10:20 AM

**Lightning Abstracts****Objectives:**

Upon completion of this session, the participant will be able to:

- \* Discuss the latest scientific studies that are being performed in pediatric anesthesia to advance the specialty.
- \* Discuss the advantages and disadvantages of new techniques and data related to pediatric anesthesiology studies.
- \* Understand specific lessons learned from the literature as they relate to various aspects of pediatric anesthesia, including regional, cardiac and pain management.

10:20 AM – 10:50 AM

**Poster Award/Oral Presentations****Objectives:**

Upon completion of this session, the participant will be able to:

- \* Discuss the latest scientific studies that are being performed in pediatric anesthesia to advance the specialty.
- \* Discuss the advantages and disadvantages of new techniques and data related to pediatric anesthesiology studies.
- \* Understand specific lessons learned from the literature as they relate to various aspects of pediatric anesthesia, including regional, cardiac and pain management.

10:50 AM – 11:00 AM

**Q & A Discussion**

11:00 AM – 12:30 PM

**Moderated Posters**

Moderators: Carlos Javier Campos Lopez, MD, FAAP; Jerry Chao, MD, MS; Vidya Chidambaran, MBBS, MD; Priti G. Dalal, MBBS, MD, FRCA; Divya Dixit, MD; Meera Gangadharan, MBBS, FAAP; Harshad G. Gurnaney, MBBS, MPH; Rajeev S. Iyer, MD; Nathalia Jimenez, MD; Alina Lazar, MD; Helen Lee, MD, MPH; Christian Mpody, MD, PhD, MBA; Olubukola O. Nafiu, MD, FRCA, MS; Patrick N. Olomu, MD, FRCA; Olutoyin Olutoye, MD, M.Sc, FAAP; David M. Polaner, MD, FAAP; Michael Puglia, MD, PhD; Radhamangalam J. Ramamurthi, MD, FRCA; Vidya T. Raman, MD, MBA, FASA, FAAP; Arundathi M. Reddy, MBBS, MBA; Emmett E. Whitaker, MD

**Objectives:**

Upon completion of this session, the participant will be able to:

- \* Discuss the latest scientific studies that are being performed in pediatric anesthesia to advance the specialty.
- \* Discuss the advantages and disadvantages of new techniques and data related to pediatric anesthesiology studies.
- \* Understand specific lessons learned from the literature as they relate to various aspects of pediatric anesthesia, including regional, cardiac and pain management.

Location: Grand Ballroom EF

**LUNCH WITH EXHIBITORS****12:30 PM - 1:30 PM PT****WORKSHOP SESSION****2:00 PM - 4:00 PM PT**

2:00 PM – 4:00 PM

**WORKSHOP: Advanced Techniques for Peripheral Vascular Access**

Coordinator: Gregory J. Schears, MD

Franklin B. Chiao, MD; Andrea Dutoit, MD; Peace Eneh, MD, MPH; Julia A. Galvez Delgado, MD, MBI, FASA; Stephen J Gleich, MD, FAAP, FASA; Dawit T. Haile, MD; Katie

Handlogten, MD; Frederick Kuo, MD; Elaina Lin, MD; Jessica Lorenz, MD; Joseph W. McSoley, MD; Olivia Nelson, MD; Michael E Nemergut, MD; Elizabeth O'Brien, MD; Kaitlyn Pellegrino, MD; Kim Strupp, MD; Ashley Wong Grossman, MD; Luis M. Zabala, MD

*Objectives:*

*Upon completion of this workshop, participants will be able to:*

- \* Learn a very reliable, precise means of obtaining peripheral access using ultrasound guidance.*
- \* Discuss the value of NIR with peripheral venous access planning and achievement.*
- \* Practice use and understand implications of intraosseous catheters to obtain venous access.*
- \* Discuss problems related to difficult vascular access and solutions to help meet patient needs.*
- \* Learn the importance of pre-access assessment and how you can help improve a patient's hospital experience by understanding their vascular access needs and viable venous targets.*

Location: Grand Ballroom E

2:00 PM – 4:00 PM

**WORKSHOP: One-Lung Ventilation in Pediatric Patients**

*Coordinator: Angela Chen, MD; Shazia Mohammad, MD; Michael Tulio, MD*

Carlos Javier Campos Lopez, MD, FAAP; Catherine Chen, MD; Kelly Chilson, MD; Richard M. Dsida, MD; Vincent Hsieh, MD; Sabina Khan, MD; Alina Lazar, MD; Chyong-jy Joyce Liu, DO; Rebecca Margolis, DO, FAOCA; Emad B. Mossad, MD; Graeme Segal, MD; Jamie Sinton, MD; T. Wesley Templeton, MD, FASA; Premal Trivedi, MD

*Objectives:*

*Upon completion of this workshop, participants will be able to:*

- \* Describe the indications for one-lung ventilation (OLV) in children and the procedures that may require OLV in children.*
- \* Compare and contrast the physiologic changes induced by OLV in children versus adults.*
- \* Review current choices for OLV in infants, children, and adolescents.*
- \* Assess the pros and cons of these different strategies and devices.*
- \* Successfully demonstrate how to perform lung isolation using a range of devices.*

Location: Marquis Ballroom Northwest

2:00 PM – 4:00 PM

**WORKSHOP: Influx! The Mass Casualty Preparedness Game**

*Coordinator: Robert S. Greenberg, MD; Deborah A. Schwengel, MD*

Anthony Divito, MD; Heather Hayanga, MD

*Objectives:*

*Upon completion of this workshop, participants will be able to:*

- \* List key objectives of mass casualty response.*
- \* Discuss the value of incident command and how it functions in mass casualty incidents.*
- \* Demonstrate the principles of triage in mass casualty events.*
- \* Discuss the interdependence of team members and the challenges of maintaining surge capacity, supplies and staff.*

Location: Grand Ballroom JK

**WORKSHOP SESSION  
2:00 PM - 4:30 PM PT**

2:00 PM – 4:30 PM

**WORKSHOP: Comprehensive Pediatric Point-of-Care (POCUS) Workshop**

*Coordinator: Mohammad Esfahanian, MD; Stephanie Pan, MD*

Corrie T. M. Anderson, MD; Dean B. Andropoulos, MD, MHCM; Karen R. Boretzky, MD; Elaina Lin, MD; Ellen Ya-Ping Wang, MD

*Objectives:*

*Upon completion of this workshop, participants will be able to:*

- \* Recognize the differences in each systems-based pediatric POCUS assessment as compared to the adult counterpart.*
- \* Apply airway and pulmonary ultrasound to evaluate endotracheal intubations, endotracheal tube sizing, and airway and pulmonary pathology.*
- \* Utilize gastric ultrasound to categorize the risk of aspiration.*
- \* Review the Focused Assessed Transthoracic Echocardiography (FATE) exam to evaluate cardiovascular causes of hypotension and identify diminished systolic function, pericardial*



*effusion, and valvular dysfunction.*

*\* Acquire the skills to perform a Focused Assessment with Sonography for Trauma (FAST) exam to identify the presence of free intraperitoneal and pericardial fluid.*

Location: Elite Ballroom

## **WORKSHOP SESSION 2:00 PM - 5:00 PM PT**

2:00 PM – 5:00 PM

### **WORKSHOP: Implementing Infant Spinal Anesthesia in Your Practice**

*Coordinator: Ashlee Holman, MD; Chang Amber Liu, MD*

*Jerry Chao, MD, MS; Benjamin Farber, MD; Grant Heydinger, MD; Emmett E. Whitaker, MD*

*Objectives:*

*Upon completion of this workshop, participants will be able to:*

*\* Learn the advantageous clinical properties of spinal anesthesia in infants.*

*\* Learn strategies for successful placement of spinal anesthesia in infants including:*

*a. Familiarization with equipment and pharmacologic agents/dosing for spinal anesthesia.*

*b. Techniques for successful technical administration of the spinal block.*

*\* Learn strategies to implement spinal anesthesia in their practice including:*

*a. Guidance on informed consent conversations with parents and caregivers.*

*b. How to recruit surgical champions and earn buy-in from the Department of Anesthesiology.*

*c. Preparation of perioperative staff before performing spinal anesthesia.*

*d. Care of the infant under spinal anesthesia in the OR.*

*e. Troubleshooting once surgery is underway.*

Location: Grand Ballroom GH

## **PBLD & ROUND TABLE DISCUSSIONS SESSION 3 2:00 PM - 3:20 PM PT**

2:00 PM – 3:20 PM

### **PBLD 10: What Am I Doing Wrong? Yesterday I Couldn't Remove the Femoral Nerve Block Catheter and Today the Supraclavicular One Broke!**

*Michael D. Nicolay, MD; Mihaela Visoiu, MD*

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

*\* Discuss the potential mechanisms for a femoral and supraclavicular nerve blocks catheter that can not be removed.*

*\* Describe appropriate investigations, treatments, and follow-ups when a peripheral nerve block catheter breaks and can not be removed.*

*\* Recognize the potential complications if a peripheral catheter breaks during placement and can not be removed.*

Location: Grand Ballroom F

2:00 PM – 3:20 PM

### **PBLD 11: Managing the Midnight Concurrent Emergencies: When There is Nobody Left to Call**

*Vanessa A. Olbrecht, MD, MBA, FASA; Lance Patak, MD, MBA*

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

*\* Formulate a safe and effective game plan for multi-room concurrency when an additional emergency exceeds staffing capacity.*

*\* Describe a safe and effective approach to a rapidly bleeding airway.*

*\* Know how to manage anaphylaxis, severe bronchospasm and differentiate a suspected failed airway from severe bronchospasm immediately after intubating when no etCO<sub>2</sub> is present.*

*\* Recognize the characteristics of anaphylaxis versus anaphylactoid drug reaction versus delayed transfusion reaction and describe the interventions to diagnose and treat each condition.*

*\* Formulate a disposition plan for a patient who recovers from intraoperative anaphylaxis versus anaphylactoid drug reaction in the setting of no capacity to admit.*

Location: Grand Ballroom F

2:00 PM – 3:20 PM

**PBLD 12: It's a Grade 1 View - Unanticipated Complete Tracheal Rings Diagnosed After Induction of Anesthesia in a Newborn**

Heidi Boules, MD; Piotr Kostyk, MD

*Objectives:**Upon completion of this PBLD, the participant will be able to:*

- \* Recognize the presenting symptoms associated with complete tracheal rings.
- \* Discuss the workup of patients who are diagnosed with complete tracheal rings.
- \* Describe if and how anesthesia impacts the pathophysiology of complete tracheal rings.
- \* Formulate an anesthetic plan to manage and minimize the risks for perioperative complications in children with unrepaired complete tracheal rings.

Location: Grand Ballroom F

2:00 PM – 3:20 PM

**PBLD 13: Pediatric GSW at the Hospital Entrance: Balancing Patient Management with Care Team Safety**

Amy Lee, MD; Tessa Mandler, MD

*Objectives:**Upon completion of this PBLD, the participant will be able to:*

- \* Describe the guidelines related to Code Blue team response.
- \* Explain the principles for scene safety and security of care team members.
- \* Discuss the role of hospital training and policy in regard to securing scene safety.

Location: Grand Ballroom F

2:00 PM – 3:20 PM

**RTD 6: Trainee/early Career Faculty Roundtable: Honing Your Research Idea into a Meaningful Project**

Rajeev S. Iyer, MD; Olutoyin Olutoye, MD, M.Sc, FAAP

*Objectives:**Upon completion of the Round Table Discussion, the participant will be able to:*

- \* Initiate scholarly endeavors and manage challenging clinical and professional scenarios.
- \* Develop a personalized approach for initiating scholarly projects and explore various techniques for dealing with difficult or controversial clinical and professional situations.

Location: Grand Ballroom F

2:00 PM – 3:20 PM

**RTD 7: Pathways to Leadership in Professional Societies for Early and Mid-career Faculty**

John Fiadjoe, MD; Linda J. Mason, MD

*Objectives:**Upon completion of the Round Table Discussion, the participant will be able to:*

- \* Initiate scholarly endeavors and manage challenging clinical and professional scenarios.
- \* Develop a personalized approach for initiating scholarly projects and explore various techniques for dealing with difficult or controversial clinical and professional situations.

Location: Grand Ballroom F

2:00 PM – 3:20 PM

**RTD 8: Unlocking the Potential: Practical Strategies for Engaging and Educating Medical Students in Pediatric Anesthesiology**

Rebecca Nause-Osthoff, MD; Lieu Tran, MD

*Objectives:**Upon completion of the Round Table Discussion, the participant will be able to:*

- \* Identify barriers to medical student participation in pediatric anesthetics.
- \* List broad categories of competencies that can serve as a framework for medical student perioperative education.
- \* Implement a perioperative teaching approach for medical students that showcases elements of pediatric anesthesiology influencing their decision to pursue the specialty, such as personality fit, specialty content, work/life balance, and role model influence.
- \* Be aware of resources that exist to help create an unbiased, effective letter of recommendation.

Location: Grand Ballroom F

2:00 PM – 3:20 PM

**RTD 9: Pediatric Anesthesia in a War Zone: Practical Lessons from the Ukrainian Experience**

Clementine Vo, DO; Andrii Vysotskyi, MD

*Objectives:*

*Upon completion of the Round Table Discussion, the participant will be able to:*

*\* Initiate scholarly endeavors and manage challenging clinical and professional scenarios.*

*\* Develop a personalized approach for initiating scholarly projects and explore various techniques for dealing with difficult or controversial clinical and professional situations.*

Location: Grand Ballroom F

**SEMINARS SESSION 3  
2:00 PM - 3:20 PM PT**

2:00 PM – 3:20 PM

**SEMINAR 5: Leveraging Social Media To Better Your Professional Career**

*Coordinator: Sean Barnes, MD*

Matthew G. DiGiusto, MD; Sapna Kudchadkar, MD, PhD, FCCM; Jina Sinskey, MD

*Objectives:*

*Upon completion of this seminar, the participant will be able to:*

*\* Compare social media platform benefits and identify the best social media platforms for use in one's professional career.*

*\* Discuss strategies to leverage these platforms to grow their professional network and promote collaboration.*

*\* Small group sessions will allow participants to demonstrate their current social media practices and how they can apply these newly acquired skills in real time.*

Location: Grand Ballroom AB

2:00 PM – 3:20 PM

**SEMINAR 6: You Have Arrived... Tools to Soften the Transition to Junior Attending**

*Coordinator: Tanna J. Boyer, DO, MS; Lisa Caplan, MD*

Kimberly R. Blasius, MD; Priti G. Dalal, MBBS, MD, FRCA; Daniel Germeroth, DO; Martha Herbst, MD; Shivani K. Patel, MD; Jamie Rubin, MD; Chelsea A. Willie, MD; David A. Young, MD, MEd, MBA

*Objectives:*

*Upon completion of this seminar, the participant will be able to:*

*\* Acknowledge gaps in knowledge, competence, and performance that exist in everyone as they graduate from pediatric anesthesia fellowship.*

*\* Experiment with different ways to react to and grow from common stressful situations in clinical and academic practice as a newer faculty member via simulation and debriefing with good intention.*

*\* Help attendees assess and formulate a plan to grow as junior faculty members and superb pediatric anesthesiologists.*

Location: Grand Ballroom CD

**PBLD & ROUND TABLE DISCUSSIONS SESSION 4  
3:40 PM - 5:00 PM PT**

3:40 PM – 5:00 PM

**PBLD 14: UPT a Creek Without a Paddle: Approaching the Adolescent with an Unexpected Positive Preoperative HCG in a Post-Dobbs World**

Joseph M. Sisk, MD; Adam Suchar, MD

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

*\* Discuss the utility and validity of HCG testing at various stages of pregnancy.*

*\* Devise a strategy for holding sensitive discussions.*

*\* Employ screening for sexual abuse.*

*\* Recognize the physiologic, psychologic, and social implications of pregnancy in an adolescent.*

*\* Discuss the legal implications of pregnancy in an adolescent in the "post-Dobbs" era.*

Location: Grand Ballroom F

3:40 PM – 5:00 PM

**PBLD 15: Mitochondrial Disorder, Cardiac Biopsy, and Metabolic Consequences**

Stephanie N. Grant, MD; Peggy Vogt, MD

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

- \* Discuss co-morbidities associated with Mitochondrial Disorders.*
- \* Discuss perioperative considerations for patients with Mitochondrial Disorders.*
- \* Discuss the mechanism of anesthetic medications on mitochondrial function and the implications in patients with Mitochondrial Disorders.*
- \* Discuss potential complications associated with Mitochondrial Disorders that can happen in the perioperative period.*
- \* Develop a perioperative anesthetic plan for patients with Mitochondrial Disorders.*

Location: Grand Ballroom F

3:40 PM – 5:00 PM

**PBLD 16: Avoiding the 'Hindsight is 20/20' Scenario with Foreign Body Aspiration**

Lauren Thornton, MD; Mirjana Vustar, MD

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

- \* Identify multifactorial etiologies that may contribute to a patient's clinical presentation of respiratory distress.*
- \* Discuss algorithms for management of a foreign body in the airway.*
- \* Develop a plan for treatment of intraoperative hypoxia and cardiopulmonary instability.*
- \* Discuss early diagnosis and treatment of anaphylaxis and anaphylactoid reactions.*

Location: Grand Ballroom F

3:40 PM – 5:00 PM

**PBLD 17: Just Because You Can, Does It Mean You Should: Ethical and Legal Considerations for Concurrent Surgeries**

Amy M. Babb, MD; Calvin Kuan, MD

*Objectives:*

*Upon completion of this PBLD, the participant will be able to:*

- \* Review the definition of overlapping vs concurrent surgeries.*
- \* Discuss the ethical and medico-legal issues of participating in concurrent surgeries.*
- \* Understand the legal implications of anesthesiologist's documentation for concurrent surgeries.*
- \* Understand how requirements for billing by the attending surgeon affects decisions for concurrent surgeries.*

Location: Grand Ballroom F

3:40 PM – 5:00 PM

**RTD 10: Wellness as Pathway to Leadership/Promotion**

Jina Sinskey, MD; Amy E. Vinson, MD

*Objectives:*

*Upon completion of the Round Table Discussion, the participant will be able to:*

- \* Initiate scholarly endeavors and manage challenging clinical and professional scenarios.*
- \* Develop a personalized approach for initiating scholarly projects and explore various techniques for dealing with difficult or controversial clinical and professional situations.*

Location: Grand Ballroom F

3:40 PM – 5:00 PM

**RTD 11: Pathways to Institutional Leadership for Mid-career Faculty**

Jayant K. Deshpande, MD, MPH, FAAP; Randall P. Flick, MD, MPH, FAAP; Eugenie S. Heitmiller, MD, FAAP

*Objectives:*

*Upon completion of the Round Table Discussion, the participant will be able to:*

- \* *Initiate scholarly endeavors and manage challenging clinical and professional scenarios.*
- \* *Develop a personalized approach for initiating scholarly projects and explore various techniques for dealing with difficult or controversial clinical and professional situations.*

Location: Grand Ballroom F

3:40 PM – 5:00 PM

**RTD 12: How to Effectively Plan for Academic Promotion and Create an Individualized Action Plan**

Herodotos Ellinas, MD; Kirk Lalwani, MBBS, FRCA, MCR; David A. Young, MD, MEd, MBA

*Objectives:*

*Upon completion of the Round Table Discussion, the participant will be able to:*

- \* *Initiate scholarly endeavors and manage challenging clinical and professional scenarios.*
- \* *Develop a personalized approach for initiating scholarly projects and explore various techniques for dealing with difficult or controversial clinical and professional situations.*

Location: Grand Ballroom F

**SEMINARS SESSION 4  
3:40 PM - 5:00 PM PT**

3:40 PM – 5:00 PM

**SEMINAR 7: Allyship - What Actions Can We Take?**

*Coordinator: Jennifer Lau, MD; Tomas A. Lazo, MD*

Uma R. Parekh, MBBS, FRCA; Leelach Rothschild, MD

*Objectives:*

*Upon completion of this seminar, the participant will be able to:*

- \* *Explain two key examples of allyship that can be demonstrated in your training or specialty in the reflection exercise.*
- \* *Distinguish two key differences between performative allyship and true allyship in a small group activity.*
- \* *Self-reflect on one's own broad spectrum of privilege by identifying at least 2 privileges one holds in a small group exercise.*
- \* *Develop an action plan for sponsoring or mentoring that mirrors the concept of allyship in the reflection exercise.*
- \* *Develop as allies and accomplices in equity by practicing conversations around discrimination through the role model exercise.*

Location: Grand Ballroom AB

3:40 PM – 5:00 PM

**SEMINAR 8: Database Logistics for Anesthesiologists: Cultivating the Skills to Navigate Registries and Multicenter Studies**

*Coordinator: Lindsay Brown, MD; Theodora Wingert, MD*

Annery Garcia-Marcinkiewicz, MD, MSCE; Meredith Kato, MD; Lisa Lee, MD

*Objectives:*

*Upon completion of this seminar, the participant will be able to:*

- \* *Discuss the step-by-step, logistic and practical elements involved in creating a data repository (e.g. REDCap) and the components necessary to creating study metrics with strong, objective definitions that will form the foundation for strong research studies.*
- \* *Delineate the necessary steps involved in data cleaning and validation, with an emphasis on practical steps to address missing values, outliers, and inconsistencies in order to prepare a dataset for analysis or model creation.*
- \* *Demonstrate some basic elements of database management, such as joining and organizing datasets and data extracts from multiple institutions, with an emphasis on acquiring knowledge to facilitate communication with research collaborators and computer science professionals.*
- \* *Discuss some of the practicalities of data sharing and data governance, with an emphasis on ensuring a knowledgebase to facilitate ethical and productive research.*

Location: Grand Ballroom CD

**SUNDAY, APRIL 14, 2024**

6:00 AM – 10:00 AM

**Registration**

Location: Platinum Registration

**CONTINENTAL BREAKFAST****6:30 AM - 7:30 AM PT****Advanced Practice Provider Symposium***Moderators: Shannon Hoy, DNP, CRNA, NNP; Lisa Jones, MSN, APN, CRNA*

8:15 AM – 9:15 AM

**APP PBLD 1: Nuances of Helping**

George Higgins, DNAP, CRNA; Jonathan M. Tan, MD, MPH, MBI, FASA

*Objectives:**Upon completion of this APP PBLD, the participant will be able to:*

- \* Discuss elements of situational awareness when arriving at an emergency.
- \* Give examples of being an in-person cognitive aid.
- \* Recall techniques to offload work in an anesthesia emergency.

8:15 AM – 9:15 AM

**APP PBLD 2: Considerations in the Management of an ASD Closure Device Embolization in the Cardiac Catheterization Lab**

Caren Bergdahl, DNP, CRNA; Rachelle Gerke Behnke, DNP, CRNA; Tamra Kelly, CRNA, DNP

*Objectives:**Upon completion of this APP PBLD, the participant will be able to:*

- \* Develop an anesthetic plan to manage such a patient, focusing specifically on the risks and benefits of different strategies for induction, maintenance, and postoperative care.
- \* Identify signs and symptoms associated with an embolized ASD closure device.
- \* Compare emergency action plans to mobilize a patient from the recovery area to the operative suite.

8:15 AM – 9:15 AM

**APP PBLD 3: Mediastinal Mass-Best Practices for the Anesthesia Provider**

Meg Christopher, MSN, CRNA; Elena Occident, DNAP, CRNA; Eric Vu, MD

*Objectives:**Upon completion of this APP PBLD, the participant will be able to:*

- \* Understand and recognize the potential physiologic effects on a patient with a mediastinal mass.
- \* Identify anesthetic implications and complications for a patient with a mediastinal mass.
- \* Discuss current best practice anesthesia guidelines for the care of a patient with a mediastinal mass.
- \* Describe emerging research related to anesthetic techniques for patients with a mediastinal mass.
- \* Discuss current anesthesia practitioners experiences caring for patients with mediastinal masses.

8:15 AM – 9:15 AM

**APP PBLD 4: RUN DIC: An Intra-Operative Case of DIC and Additional Methods to Stop Intra-Operative Bleeding During Mass Transfusion Protocol**

Cyle Plumer, CRNA; Kunal Sualy, MD

*Objectives:**Upon completion of this APP PBLD, the participant will be able to:*

- \* Define DIC and understand the ISTH DIC scoring system.
- \* Identify patients who are at risk for DIC.
- \* List pharmacological interventions to combat DIC.
- \* Identify blood products outside of PRBC's, FFP, and platelets that can be used for DIC.
- \* Understand the difference between TEG and ROTEM for interpreting coagulation.

7:00 AM – 7:30 AM

**Anesthesia and Autism Spectrum Disorders: Adaptive Care Plans and New Perspectives**

Ann Veys, CRNA, MSNAP

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Identify the current diagnostic criteria of ASD.
- \* Describe benefits to patient and staff in implementing adaptive strategies.
- \* Examine patient and parental perspectives in ASD.
- \* List resources for implementing system wide adaptive care plans.

7:30 AM – 8:00 AM

**My Next Patient is 44...is That Years or Months? Considerations for Anesthesia in the Adult Congenital Heart Disease (ACHD) Population**

Lisa A. Durako, CRNA

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* List the most common lesion in ACHD.
- \* Understand where/who is best suited to care for this population based on stratification.
- \* Discuss special considerations for anesthetic management of ACHD.

8:00 AM – 8:15 AM

**Q & A Discussion**

9:15 AM – 9:45 AM

**Parental Decision Making for Surgery and Anesthesia**

Audrey Rosenblatt, PhD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Discuss medicolegal implications of informed consent and how it differs from the decision-making process.
- \* Understand the parental lived experience of decision-making.
- \* Present research findings describing the experiences of parents making anesthesia and surgical decisions for young children.
- \* Discuss the potential impact of neurotoxicity risks on parental decision-making.

9:45 AM – 10:15 AM

**Pediatric Bariatric Program and Anesthetic Considerations**

Martha Vera, CRNA

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Discuss obesity and its prevalence in the pediatric population.
- \* Review the physiologic effects.
- \* Review treatment modalities (including surgical treatment).
- \* Discuss preoperative optimization, intraoperative considerations, and postoperative care.

10:15 AM – 10:30 AM

**Q & A Discussion****SESSION I: Research Updates***Moderators: Helen Lee, MD, MPH; Olubukola O. Nafiu, MD, FRCA, MS*

7:30 AM – 8:00 AM

**Updates from SPA Young Investigator Research Grant Recipients**

Lisa M. Einhorn, MD; Brittany L. Willer, MD

*Objectives:**Upon completion of this presentation, the participant will be able to:*

- \* Discuss the latest scientific studies that are being performed in pediatric anesthesia to advance the specialty.
- \* Discuss the advantages and disadvantages of new techniques and data related to pediatric anesthesiology studies.
- \* Understand specific lessons learned from the literature as they relate to various aspects of pediatric anesthesia, including regional, cardiac and pain management.

8:00 AM – 8:20 AM

**Updates from DEI MDMP Award Recipients**

Emmanuel Alalade, MD; Joelle B. Karlik, MD; Clarice Nguyen, MD

*Objectives:**Emmanuel Alalade, MD & Joelle Karlik MD -- The Morehouse Medical School Pathway Project**Upon completion of this presentation, the participant will be able to:*

- \* Describe the creation of a pathway program to promote diversity in anesthesiology residency and workforce.
- \* Describe barriers and facilitators for these pathway programs and discuss sustainability work.

*Clarice Nguyen, MD & James Xie MD -- Understanding Disparities in Caudal Epidural Analgesia Among Emergent English Proficiency (EEP) Families**Upon completion of this presentation, the participant will be able to:*

- \* Define contributing factors to receipt of caudal epidural analgesia in children of EEP families.
- \* Describe the use of qualitative methods in EDI research to elicit information from different stakeholder groups.

8:20 AM – 8:30 AM

**Q & A Discussion****SESSION II: From The Editors - Notable Papers From the Past Year**

Moderators: Jim Fehr, MD; Jina Sinskey, MD

**Objectives:**

Upon completion of this session, the participant will be able to:

- \* Critically review the notable pediatric anesthesia papers published in the last year from Anesthesiology, Anesthesia & Analgesia, and Pediatric Anesthesia.

8:30 AM – 8:50 AM

**Pediatric Anesthesia**

Susan M. Goobie, MD

8:50 AM – 9:10 AM

**Anesthesiology**

Julia A. Galvez Delgado, MD, MBI, FASA

9:10 AM – 9:30 AM

**Anesthesia & Analgesia**

James A. DiNardo, MD

9:30 AM – 9:45 AM

**Q & A Discussion****SESSION III: Critical Care Medicine SIG/What Would SPA Do?**

Moderators: Justin L. Lockman, MD, MEd, FAAP; Chelsea A. Willie, MD

9:45 AM – 10:00 AM

**Mechanical Ventilation for Pediatric ARDS**

Patrick A. Ross, MD

**Objectives:**

Upon completion of this presentation, the participant will be able to:

- \* Discuss ventilation guidelines from the Pediatric Lung Injury Consensus Conference.
- \* Contrast ventilator management strategies for patients with poor versus normal respiratory compliance.
- \* Formulate an operative management strategy for patients in the OR with lung injury.

10:00 AM – 10:15 AM

**ECMO...Please No? Anesthetic Considerations for Non-Cardiac Surgery on ECMO**

Ethan Sanford, MD

**Objectives:**

Upon completion of this presentation, the participant will be able to:

- \* Learn a framework for consideration of "ECMO back-up" for non-cardiac procedures.
- \* Discuss alternative monitoring modalities (CDI), changes in common anesthetic monitors (temp control on ECMO, CO2 monitoring, arterial line/gas analysis). The learner will be able to anticipate monitoring needs for procedural care.
- \* Describe the most common complications of ECMO and understand short- and long-term risks associated with anticoagulation management for children on EMCO undergoing anesthesia and surgery.

10:15 AM – 10:30 AM

**Q & A Discussion****MOCA Simulation @ SPA****Separate Registration Required. In-Person Attendees Only**

10:30 AM – 6:00 PM

**MOCA Simulation @ SPA**

Moderator: Dolores B. Njoku, MD

Natalie R. Barnett, MD; Vera V. Borzova, MD; Jason Butchko, RN; Anushree K. Doshi, MD; Preeti George, MD; Harshad G. Gurnaney, MBBS, MPH; Roberta L. Hales, MHA, RRT-NPS, RN; Thomas Lockhart, MD; Christine L. Mai, MD; Drew McClure; Shivani K. Patel, MD; Pat Rodia; Joanne E. Shay, MD; Devika Singh, MD; Pravin A. Taneja, MD; Scott C. Watkins, MD; Ashley Weinhold, MD



**Objectives:**

Participation in the one-day, high-fidelity simulation MOCA course offered by the Society for Pediatric Anesthesia (SPA) as an add-on activity to the SPA-AAP Pediatric Anesthesiology Meeting will fulfill the Part IV requirement of the American Board of Anesthesiology's Maintenance of Certification in Anesthesiology Program.

Upon completion of this workshop, participants will be able to:

- \* Assess and improve their practice in areas such as crisis management in a simulation setting at an ASA-endorsed activity.
- \* Realistically recreate challenging clinical cases to allow participants to problem-solve in a manner that is similar to actual clinical experience.
- \* Improve their skills in practice-based learning and improvement
- \* Refresh and refine teamwork, communication and crisis resource management skills with colleagues from various types of clinical practices.

NOTE: Lunch will be included.

1:00 PM – 5:00 PM

**Wake Up Safe Workshop**

Moderator: *Neha Patel, MD*

David W. Buck, MD; Abby V. Hess, DNP, APRN, FNP-BC; Lynn D. Martin, MD, MBA, FAAP; Jami E. Miller, MD; Brian Mittman, PhD; Tyler Morrissey, MD; Imelda Tjia, MD

**Objectives:**

Title: *Implementation Science*

Presenter: *Brian Mittman, PHD*

Founding Co-Editor in Chief *Emeritus, Implementation Science*

Member, *Methodology Committee, Patient-Centered Outcomes Research Institute; Kaiser Permanente*

**Objectives:**

- \* Discuss the synthesis of implementation and improvement science principles and approaches
- \* Highlight use case examples of implementation science in healthcare
- \* Guidance for use of implementation science approaches
- \* Introduce how implementation science can be applied to collaborative projects

Title: *Clinical Innovation & Quality Improvement*

Presenter: *Abby Hess APRN, DNP and David W. Buck MD*

*Cincinnati Children's Hospital*

**Objectives:**

- \* Understand why clinicians are vital to healthcare innovation
- \* Identify the synergy between QI and the Design Thinking Innovation Process
- \* Present an innovation case-study using Design Thinking framework
- \* Discuss resources that can help move innovative ideas forward

Title: *Wake Up Safe Member Quality Improvement Projects and Collaboratives*

Presenters: *Imelda Tjia MD; Lynn D. Martin MD, MBA, FAAP; Jami E. Miller MD; Tyler Morrissey MD*

**Objectives:**

- \* Review adverse outcomes, problems, and applied solutions
- \* Highlight implementation of a project
- \* Discuss limitations and next steps in improvement

Location: Orange County 3