Friday, March 18, 2022

Plenary: Perioperative Mental Health: From Neural circuits to Implementation
10:00 am – 11:00 am HST
Moderator: Ben Palanca, MD, PhD, Washington University in St. Louis, St. Louis, MO

10:00 am – 10:15 am
Neural Circuits and Systems Implicated in the Antidepressant Effects of Ketamine
Boris Heifets, MD, PhD
Stanford University School of Medicine, Palo Alto, CA

10:15 am – 10:30 am
Seizure, Sedation, and Sleep: Novel Antidepressant Markers and Pharmacologic Interventions
Ben Palanca, MD, PhD
Washington University in St. Louis, St. Louis, MO

10:30 am - 10:45 am
The Role of Targeted Mental Health Interventions to Improve Perioperative Outcomes
Renee El-Gabalawy, MA, PhD
University of Manitoba, Winnipeg, Canada

10:45 am – 11:00 am
Moderated Discussion and Q&A

Ticketed Workshop: (Slightly) Advanced Statistics: Propensity Score Matching and Time-to-Event Analyses
11:00 am – 2:00 pm HST
Moderator: Lisa Lee, MD, MS
Speaker: Thomas Austin, MD, MS Stat

Plenary: MAC, Models, Mitochondria & Metabolism
11:15 am – 12:15 pm HST
Moderator: Philip Morgan, MD, University of Washington, Seattle, WA

11:15 am – 11:30 am
Volatile Anesthetics in Fly Models of Mitochondrial Disease
Misha Perouansky, MD
University of Wisconsin- Madison, Madison, WI

11:30 am – 11:45 am
Anesthetic Sensitivity in Patients with Mitochondrial Abnormalities
Vince Hsieh, MD
Seattle Children’s Hospital, Seattle, WA

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11:45 am- 12:00 pm  A Metabolic Mechanism of Action for Volatile Anesthetics: A Failure of Presynaptic Endocytosis
Margaret Sedensky, MD
University of Washington, Seattle, WA

12:00 pm – 12:15 pm  Moderated Discussion and Q&A

Problem-Based Learning Discussion: Can there be “Against Medical Advice” Discharge to Home from the PACU?
11:15 am – 12:15 pm HST
Karl Poterack, MD, Mayo Clinic College of Medicine and Science, Phoenix, AZ

Break
12:15 pm – 1:15 pm HST

Plenary: Moving Past Burnout, Let's Talk Engagement! Exploring Antecedents of Engagement to Improve Morale, Wellness and Performance
1:30 pm – 2:30 pm HST
Moderator: Elizabeth W Duggan, MD, MA I&O Psychology, University of Alabama Birmingham, Birmingham, AL

Speaker information coming soon.

Problem-Based Learning Discussion: Pudendal Neuralgia: More Common Than You Think
1:30 pm – 2:30 pm HST
Meera Kirpekar, MD, NYU Langone, New York, NY

Break
2:30 pm – 2:45 pm HST

Plenary Session: Applying Molecular and Systems Neuroscience to Develop Reversal Agents for General Anesthesia  
(Co-Sponsored by the Society for Neuroscience in Anesthesiology and Critical Care)
2:45 pm - 3:45 pm HST
Moderator: Ken Solt, MD, Harvard Medical School; Massachusetts General Hospital, Boston, MA

2:45 pm – 3:00 pm  A New Strategy to Reverse General Anesthesia with Caffeine
Zheng Xie, MD, PhD  
*University of Alabama at Birmingham, Birmingham, AL*

3:00 pm – 3:15 pm  
Inducing Emergence from General Anesthesia with Flumazenil and Atipamezole  
*Paul S Garcia, MD, PhD*  
*University of Chicago, Chicago, IL*

3:15 pm – 3:30 pm  
Activating Dopaminergic Neurotransmission to Reverse General Anesthesia  
*Ken Solt, MD*  
*Harvard Medical School; Massachusetts General Hospital, Boston, MA*

3:30 pm – 3:45 pm  
Moderated Discussion and Q&A

eSAS Session: Making Mentorship Work  
4:00 pm - 5:00 pm HST  
Moderator: *Kristopher M Schroeder, MD, FASA, University of Wisconsin, Madison, WI*

4:00 pm – 4:15 pm  
Mentorship Benefits to Mentees  
*Shalini Shah, MD*  
*University of California - Irvine, Orange, CA*

4:15 pm – 4:30 pm  
Qualities of Effective Mentors and Mentees  
*Ashley M Shilling, MD*  
*University of Virginia, Charlottesville, VA*

4:30 pm – 4:45 pm  
Mentorship Benefits to Mentors  
*Edward R Mariano, MD, MAS, FASA*  
*Stanford University School of Medicine, Stanford, CA*

4:45 pm – 5:00 pm  
Moderated Discussion and Q&A

Scholars' Program Mentoring and Networking Reception  
5:00 pm – 6:00 pm HST

Aligned Session with IARS, AUA and SOCCA:  *Anesthesia & Analgesia* Sponsored Journal Symposium  
5:45 pm – 7:00 pm HST  
Moderator: *Thomas Vetter, MD, MPH, Deputy Editor-in-Chief, Anesthesia & Analgesia Dell Medical School at the University of Texas at Austin, Austin, TX*

5:45 pm – 6:00 pm  
Authorship: What Counts, Who Counts, Who Cares?
6:00 pm- 6:15 pm  Peer Review: Strengths, Weaknesses, Opportunities and Threats
Hugh Hemmings, MD, PhD, Editor-in-Chief, British Journal of Anesthesia
Weill Cornell Medical College, New York, NY

6:15 pm- 6:30 pm  Show Me the Data: Fabrication and Misconduct
Jean-Francois Pittet, MD, DEAA, Editor-in-Chief, Anesthesia & Analgesia
The University of Alabama at Birmingham, Birmingham, AL

6:30 pm – 6:45 pm  Clinical Anesthesiology Faculty: Pressure to Publish for Promotion
Cynthia Wong, MD, Professor and Chair, Department of Anesthesia
University of Iowa, Iowa City, IA

6:45 pm – 7:00 pm  Moderated Discussion and Q&A
Saturday, March 19, 2022 - IARS, AUA and SOCCA Aligned Meeting Day and Critical Care Day

Problem-Based Learning Discussion: The Nut and Bolts of TEVAR
6:45 am – 7:45 am
Sreekanth Cheruku, MD, MPH, UT Southwestern Medical Center, University Park, TX

Opening Session and T.H. Seldon Memorial Lecture
7:45 am - 9:30 am HST

7:45 am – 7:50 am
Welcome Comments
Christian Werner, MD, Medical Center of Johannes Gutenberg-Universität, Mainz, Germany

7:50 am – 8:00 am
IARS 100th Year Anniversary Video


S. Ramani Moonesinghe, MD, FRCP, FRCA, FFICM
University College London, London, United Kingdom

Moderated Poster Session #1
9:30 am – 10:30 am HST

Ticketed Workshop: Enhanced Recovery with Regional Anesthesia: Ultrasound-Guided Interfascial Plane Blocks Workshop
9:30 am – 12:00 pm HST
Moderator: Sakura Kinjo, MD, University of California, San Francisco School of Medicine, San Francisco, CA
Speakers: Matthias Braehler, MD, Kerstin Kolodzie, MD, PhD, Jean-Louis Horn, MD, Monica Harbell, MD, and Ban Tsui, MD

IARS, AUA, SOCCA and eSAS Scholars’ Program Sessions
10:30 am – 5:00 pm HST
Concurrent Sessions

### 10:30 am – 11:30 am HST

1. **SOCCA Session: RCL: Systemic Anticoagulation and ECMO: Conventional versus Contemporary Approach**
   *Troy Seelhammer, MD, Mayo Clinic, Rochester, MN and Mohammed Hamzah, MD Mayo Clinic, Rochester, MN*

2. **AUA Session: Does Risk Prediction Improve Patient Outcomes**
   **Moderators:** *Joshua Bloomstone, MD, MSc, FASA, Envision Healthcare, Nashville, TN*

   - **10:30 am – 10:45 am**
     **Preoperative Risk Assessment: Available Tools**
     *S. Ramani Moonesinghe, MD, FRCP, FRCA, FFICM*
     *University College London, London, United Kingdom*

   - **10:45 am – 11:00 am**
     **Does it matter? Use of Individualized vs Population-Based Risk Assessment Tools**
     *S. Ramani Moonesinghe, MD, FRCP, FRCA, FFICM*
     *University College London, London, United Kingdom*

   - **11:00 am – 11:15 am**
     **SURPAS: Does Surgical Risk Assessment Alter Surgical Decision Making**
     *Michael Bronsert, PhD*
     *University of Colorado Anschutz Medical Campus, Aurora, CO*

   - **11:15 am – 11:30 am**
     **Moderated Discussion and Q&A**

3. **Joint IARS and WFSA Session: Modern Perioperative Concepts in Patients with Cardiovascular Risk**
   **Moderators:** *Adrian Gelb, MD, University of California, San Francisco, San Francisco, CA and Christian Werner, MD, Medical Center of Johannes Gutenberg-Universität, Mainz, Germany*

   - **10:30 am – 10:45 am**
     **Preoperative Cardiovascular Assessment**
     TBD

   - **10:45 am – 11:00 am**
     **Prehabilitation in Patients at Risk for Perioperative Cardiovascular Events**
     TBD

   - **11:00 am – 11:15 am**
     **Anesthetic Considerations in Patients Undergoing Transcatheter Valve Replacements**
     *Dorothee Bremerich, MD, Medical Center of Johannes Gutenberg-Universität, Mainz, Germany*

   - **11:15 am – 11:30 am**
     **Moderated Discussion and Q&A**
4. **Debate: Opioid Free Anesthesia for Spine Surgery: Harmful Hoax or Imperative Innovation?**
   Moderator: Letha Mathews, MD, Vanderbilt University Medical Center, Nashville, TN

   - 10:30 am – 10:45 am: Rebecca Rigel Donald, MD
     Vanderbilt University Medical Center, Nashville, TN
   - 10:45 am – 11:00 am: Shobana Rajan, MD
     Allegheny Health Network, Pittsburgh, PA
   - 11:00 am – 11:15 am: Rebuttals
   - 11:15 am – 11:30 am: Q&A

**Problem-Based Learning Discussion: “Why Is the Arm Still Numb?” What I Should Know and Do About Peripheral Nerve Injury (PNI) After Regional Anesthesia**

   **10:30 am – 11:30 am**
   Matthias Behrends, MD, University of California San Francisco, San Francisco, CA and Claas Siegmueller, MD, PhD, MBA, University of California San Francisco, San Francisco, CA

**Break**

   **11:30 am – 12:30 pm HST**

**Women in Anesthesia Meet Up**

   **11:30 am – 12:30 pm HST**

**Concurrent Sessions**

   **12:30 pm – 1:30 pm HST**

   1. **AUA Session: Intraoperative Oxygen Administration, Mechanisms, and Outcomes - The Perioperative Sweet Spot?**
      Moderator: Dr. Ines Koerner, MD, PhD, Oregon Health & Science University, Portland, OR

      - 12:30 pm – 12:45 pm: Practice Patterns of Intraoperative Oxygen Administration
        Dr. Frederic (Josh) Billings, MD, MSc
        Vanderbilt University Medical Center, Nashville, TN

      - 12:45 pm – 1:00 pm: Role of Hypoxia-Inducible Transcription Factors During Hepatic Injury
        Cynthia Ju, PhD
        University of Texas at Houston, Houston, TX
1:00 pm – 1:15 pm  Friend or Foe: The Clinical Evidence for Oxygen  
Shahzad Shaefi, MD, MPH  
Beth Israel Deaconess Medical Center, Boston, MA

1:15 pm – 1:30 pm  Moderated Discussion and Q&A

2. SOCCA Session: Panel: Evidence-Based Emergency Airway Management: Past the Tipping Point?  
   Moderator: Craig Jabaley, MD

   12:30 pm – 12:45 pm  Emergency Airway Management: Why Aren't Outcomes Improving?  
   Mary Jarzebowski, MD  
   VA Ann Arbor Healthcare System, Ann Arbor, MI

   12:45 pm – 1:00 pm  Beating the Clock: How to Extend Apnea Time in Critically Ill Patients  
   Rachel Kadar, MD  
   McGaw Medical Center of Northwestern University, Chicago, IL

   1:00 pm – 1:15 pm  Resuscitation Before Intubation: Getting Ahead of the Curve  
   Ravindra Gupta, MD  
   Northwestern University, McGaw Medical Center, Chicago, IL

   1:15 pm – 1:30 pm  Moderated Discussion and Q&A

3. Campfire Session: Medication Errors: Learn from the Experts and Learn from Each Other. Together We Can Solve This Problem  
   Moderator: Jake Abernathy, MD, Johns Hopkins Hospital, Baltimore, MD

   Ken Catchpole, PhD  
   Medical University of South Carolina, Charleston, SC

   Karen Nanji, MD, MPH  
   Harvard Medical School, Massachusetts General Hospital, Boston, MA

   Joyce Wahr, MD, FAHA  
   University of Minnesota Medical School, Minneapolis, MN

4. Novel Approaches to Elucidate the Pathophysiology of Perioperative Neurocognitive Disorders  
   Moderator: Miles Berger, MD, PhD, Duke University Medical Center, Durham, NC

   12:30 pm - 12:45 pm  Molecular Mechanisms of Circadian Rhythm Disruptions in Delirium  
   S Kendall Smith, MD, PhD  
   Washington University School of Medicine in St. Louis, St. Louis, MS
12:45 pm – 1:00 pm  Over-caffeinated: The role of caffeine in boosting Neural Criticality to Reduce Delirium Risk  
Phillip Vlisides, MD  
*University of Michigan Medicine, Ann Arbor, MI*

1:00 pm – 1:15 pm  A Show about Nothing: The role of altered Default Mode Network Activity and Connectivity in Delirium  
Miles Berger, MD, PhD  
*Duke University Medical Center, Durham, NC*

1:15 pm – 1:30 pm  Moderated Discussion and Q&A

**Problem-Based Learning Discussion: Peripartum Cardiomyopathy - Management in Critical Care and Perioperative Setting**

12:30 pm – 1:30 pm HST  
Ioannis (Yanni) Angelidis, MD, MSPH, *University of Chicago, Prizker School of Medicine, Chicago, IL*

Ticketed Workshop: Clinical Use of Transgastric Abdominal Ultrasound (TGAUS)

1:00 pm – 4:00 pm  
**Moderator:** John Klick, MD, FCCP, FASE, FCCM  
**Speakers:** Andre Denault, MD, PhD, Michael Roberts, DO, FASE, Theodore Cios, MD, FASE, Anita Malhotra, MD, Georges Desjardins, MD

Moderated Poster Session #2 – 100 posters total  
1:30 pm – 2:30 pm HST

International Science Symposium: Space Medicine  
2:30 pm – 4:00 pm HST

**Problem-Based Learning Discussion: How to Start and Conduct a Research Project in an Academic Anesthesia Program**

2:30 pm – 3:30 pm HST  
Galina Leyvi, MD, Albert Einstein College of Medicine, Bronx, NY and Sergey Pisklakov, MD, University of Rochester-Strong Memorial Hospital, Rochester, NY

Concurrent Sessions  
4:00 – 5:00 pm HST
1. Dying in Childbirth: Improving Maternal Health and Safety by Advancing Peripartum
   Moderator: Lisa M Leffert, MD, Yale University, New Haven, CT

   4:00 pm – 4:15 pm Maternal Mortality: Modern Trends and Opportunities
   Lisa M Leffert, MD
   Yale University, New Haven, CT

   4:00 pm – 4:15 pm Advances in Postpartum Hemorrhage: Prevention and Treatment
   Alexander J Butwick, MBBS, FRCA, MS
   Stanford University School of Medicine, Stanford, CA

   4:15 pm – 4:30 pm Innovations in Maternal Mental Health and Pain Management in Special Populations
   Grace Lim, MD, MSc
   University of Pittsburgh Medical Center, Pittsburgh, PA

   4:30 pm- 4:45pm Improving Cardiac Outcomes in Pregnancy by Optimizing Anesthesia and Perioperative Care
   Marie-Louise Meng, M.D.
   Duke University, Raleigh, NC

   4:45 pm – 5:00 pm Moderated Discussion and Q&A

2. The Importance of Cultural Competency in Critical Care
   Moderator: Babar Fiza, MD, Emory University, Atlanta, GA

   4:00 pm – 4:15 pm How Cultural Competency Improves Critical Care
   Vivek Moitra, MD
   Columbia University Medical Center, New York, NY

   4:14 pm – 4:30 pm Specific Situations in which Cultural Competency can Prevent Conflict in the ICU
   Linda Liu, MD
   University of California, San Francisco School of Medicine, San Francisco, CA

   4:30 pm – 4:45 pm Teaching Cultural Competency to Critical Care and Anesthesiology Residents, Fellows, and Attendings
   Ebony Hilton, MD
   University of Virginia, Charlottesville, VA

   4:45 pm – 5:00 pm Moderated Discussion and Q&A
3. Patient and Family Centered Care to Achieve Equitable Outcomes in Pediatric Anesthesia. Society for Pediatric Anesthesia-sponsored session
Moderator: Nathalia Jimenez, MD, MPH, Seattle Children’s Hospital, Seattle, WA

4:00 pm – 4:15 pm Addressing Disparities in Pediatric Perioperative Care Through Patient and Family Centered Care.
Nathalia Jimenez, MD, MPH
Seattle Children’s Hospital, Seattle, WA

4:15 pm – 4:30 pm Racial and Ethnic Disparity in Pediatric Surgical Outcome: Desperate Urgency for Action.
Olubukola Nafiu, M.D., FRCA, M.S.
Nationwide Children’s Hospital, Columbus, OH

4:30 pm – 4:45 pm Perioperative Gender-Affirming Care for Transgender and Gender-Diverse Youth.
Travis L Reece-Nguyen, MD, MPH, FAAP
Stanford, Palo Alto, CA

4:45 pm – 5:00 pm Moderated Discussion and Q&A

4. Climbing the Leadership Ladder: How to Navigate Generational Divide and Build Lasting Teams!
Moderator: Jeffrey Berger, MD, MBA, The George Washington University School of Medicine and Health Sciences, Washington, DC

Speaker information coming soon.

5. Preventing Chronic Postsurgical Pain and Opioid Use: From Mechanistic Basis Under the Biopsychosocial Model to Practical Preoperative Assessment, Phenotyping, and Intervention
Moderator: Kristin L Schreiber, MD, PhD, Brigham and Women’s Hospital; Harvard Medical School, Boston, MA

4:00 pm – 4:12 pm Biopsychosocial Model of Pain and Phenotypic Assessment
Kristin L Schreiber, MD, PhD
Brigham and Women’s Hospital; Harvard Medical School, Boston, MA

4:12 pm – 4:24 pm Mechanisms of Centralized Postsurgical Pain
Andrea Nicol, MD, MSc, FASA
University of Kansas Medical Center, Kansas City, KS

4:24 pm – 4:36 pm Pragmatic Preoperative Assessment
Jeanna D Blitz, MD
Duke University School of Medicine, Durham, NC

4:36 pm – 4:48 pm Assessment and Prevention of Persistent Opioid Use after Surgery
Jennifer Hah, MD, MS
Stanford University, Stanford, CA

4:48 pm – 5:00 pm Moderated Discussion and Q&A

Problem-Based Learning Discussion: Anesthetic Considerations in HELLP Syndrome Complicated with Subcapsular Liver Hematoma

4:00 pm – 5:00 pm HST
Heidi Saxton, MD, University of Minnesota, Minneapolis, MN and Monica Lupei, MD, University of Minnesota, Minneapolis, MN

IARS 100th Anniversary Gala

7:00 pm - 9:00 pm HST
Sunday, March 20, 2022

Concurrent Sessions
7:30 am – 8:30 am HST

1. Exploring Clinical Dogma with the “Depth of Anesthesia” Podcast Team

7:30 am – 7:50 am  David Hao, MD, Massachusetts General Hospital, Boston, MA

7:50 am – 8:10 am  Daniel Saddawi-Konefka, MD, MBA, Massachusetts General Hospital, Boston, MA

8:10 am – 8:30 am  Moderated Discussion and Q&A

2. Campfire Session: The Intersectionality of Underrepresented Minority (URM) Chairwomen in Medicine- Debunking the Myths and Stating the Facts Co-sponsored by the ASA Committee on Professional Diversity

Moderator: Tracey Straker, MD, MS, MPH, CBA, FASA, Montefiore Medical Center, Bronx, NY

Karen E. Gibbs, MD
Bridgeport Hospital at Yale, Bridgeport, CT

Alice Coombs, MD
Virginia Commonwealth University, Richmond, VA

Moderated Discussion and Q&A

3. Innovative Session: Point of Care Ultrasound - Sharing Ideas on How to Overcome Implementation Barriers

Moderator: Tim Tran, MD, University of Colorado, Denver, CO

Sara Nikravan, M.D.
Virginia Mason Medical Center, Seattle, WA

Nibras Bughrara, MD
Albany Medical College, Albany, NY

Christine Vo, MD
University of Oklahoma, Oklahoma, OK

Jay Shen, MD
UC Irvine Health, Irvine, CA
4. **Current Trends and Controversies in Pediatric Anesthesiology** *(Co-Sponsored by the European Society for Paediatric Anaesthesiology)*

   *Moderator: Laszlo Vutskits, MD, PhD, University Hospitals of Geneva, Geneva, Switzerland*

   *Speaker information coming soon.*

5. **What's New in Airway Management**

   *Moderator: Narasimhan Jagannathan, MD, Children's Hospital of Chicago, Chicago, IL*

   *Speaker information coming soon.*

**Ticketed Workshop: Airway and Gastric Point-of-Care Ultrasound (POCUS) in Anesthesia**

*7:30 am – 9:30 am HST*

   *Moderator: Kong Eric You-Ten, PhD, MD, FRCPC*

   *Speakers: Fabricio Zasso, MD, Naveed Siddiqui, Cristian Arzola, MD, MSc*

**Problem-Based Learning Discussion: Liver Resection in the Morbidly Obesity Patient with Nonalcoholic Steatohepatitis**

*7:30 am – 8:30 am HST*

   *Gebhard Wagener, MD, Columbia University Medical Center, New York, NY*

**Break**

*8:30 am – 8:45 am HST*

**Kosaka Best Abstracts Awards Session**

*8:45 am - 10:45 am HST*

**Moderated Poster Session #3**

*10:45 am – 11:45 am HST*

**Problem-Based Learning Discussion: Hypertrophic Cardiomyopathy- Common Disease, New Guidelines**

*11:00 am – 12:00 pm HST*

   *Mary Beth Brady, MD, FASE, Johns Hopkins School of Medicine, Baltimore, MD*
Concurrent Sessions
11:45 am – 12:45 pm HST

1. **SmartTots: New Directions in Pediatric Anesthetic Neurotoxicity Research**
   Moderator: Dean Andropoulos, MD
   - 11:45 am – 11:57 am: Novel Neurosteroids
     Vesna Jevtovic-Todorovic, MD, PhD
     University of Colorado, Aurora, CO
   - 11:57 am – 12:09 pm: Imaging Biomarkers of Anesthetic Exposure in Neonates and Infants
     Ashok Panigrahy
   - 12:09 pm – 12:21 pm: Behavioral Phenotype After Anesthetic Exposure in Non-Human Primates
     Viola Neudecker, MD
     Columbia University Medical Center, New York, NY
   - 12:21 pm – 12:33 pm: Behavioral Phenotype In Clinical Studies of Anesthetic Neurotoxicity
     Caleb Ing, MD, MS
     Columbia University College of Physicians and Surgeons, New York, NY
   - 12:33 pm – 12:45 pm: Moderated Discussion and Q&A

2. **Leading Multi-site Perioperative Clinical Trials: What I Know Now but Wish I Had Known Then**
   Rebecca Aslakson, MD, PhD, FAAHPM, FCCM
   Stanford University School of Medicine, Stanford, CA
   Michael Avidan, MBBCh
   Washington University in St. Louis, St. Louis, MO

3. **Ted Talk: Capacity Building versus Short Term Medical Mission Trips**
   Janey Phelps, MD
   UNC Children’s Hospital, Chapel Hill, NC

4. **Development, Implementation, and Maintenance of Machine Learning Models in Anesthesiology**
   Moderator: Michael L Burns, MD, PhD, University of Michigan, Ann Arbor, MI
   - 11:45 am – 12:00 pm: Getting Started in Machine Learning: Tools of the Trade
Hannah Lonsdale, MBChB  
Johns Hopkins University, St Petersburg, FL

12:00 pm- 12:15 pm  
Understanding Artificial Intelligence: Building Interpretable Models  
Parisa Rashidi, PhD  
University of Florida College of Medicine, Gainesville, FL

12:15 pm- 12:30 pm  
Putting Models in Motion: The Good, The Bad and the Ugly of Artificial Intelligence Clinical  
Jonathan Wanderer, MD  
Vanderbilt University School of Medicine, Nashville, TN

12:30 pm – 12:45 pm  
Moderated Discussion and Q&A

5. Buprenorphine in the Perioperative Period: Recommendations from the Multi-society Working Group  
Moderator: Eugene Viscusi, MD, Jefferson University Hospitals, Philadelphia, PA

11:45 am – 12:00 pm  
Eugene Viscusi, MD  
Jefferson University Hospitals, Philadelphia, PA

12:00 pm – 12:15 pm  
Antje Barreveld, MD  
Tufts University School of Medicine, Boston, MA

12:15 pm- 12:30 pm  
Sudheer Potru, DO  
Emory University School of Medicine, Atlanta, GA

12:30 pm – 12:45 pm  
Moderated Discussion and Q&A

Break  
12:45 pm – 1:45 pm HST

Moderated Poster Session #4  
1:45 pm – 2:45 pm HST

Problem-Based Learning Discussion: A Sudden Drop in End- Tital CO2 During a Prove Craniotomy  
1:45 pm – 2:45 pm HST  
Michael Chyfetz, MD, MSc, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY
Ticketed Workshop: Immersive Technologies for Anxiety and Pain Management
1:45 pm – 3:15 pm
Moderator: Thomas Caruso, MD, MEd

Speakers: Clyde Matava, MBChB, DA, MMed; Vanessa Olbrecht, MD, MBA; Sam Rodriguez, MD; Ellen Wang, MD, James Thomas, MD; Romy Yun, MD; Jina Sinskey, MD; Kathleen Chen, MD, MS; Kim-Phuong Nguyen, MD; Rahul G. Baijal, MD; Katrin A. Campbell, MD and Elizabeth Rossmann Beel, MD, MPH

Concurrent Sessions
3:00 pm – 4:00 pm HST

1. **RADAR Session**
   3:00 pm – 3:45 pm  Part 1: Health Disparities Research--Who, What, Where, When, and Why
   Matthew Wixson, MD, University of Michigan, Ann Arbor, MI and Scott Markowitz MD, Washington University in St. Louis, St. Louis, MI

   3:45 pm – 4:30 pm  Part 2: Microaggression and Unconscious Bias--How to Change Culture
   Matthew Wixson, MD, University of Michigan, Ann Arbor, MI and Scott Markowitz MD, Washington University in St. Louis, St. Louis, MI

2. **Campfire Session: Transverse Orientation: Reframing Burnout in Terms of Identity**
   Moderator: Anahat Dhillon, MD, Los Angeles, CA
   Johanna Schwarzenberger, MD
   UCLA, Los Angeles, CA
   Cynthia Wang, MD
   Greater Los Angeles VA Healthcare System, Los Angeles, CA

3. **Panel: Resuscitation in Sepsis and Septic Shock**
   Moderator: Ronald Pearl, MD, PhD, Stanford University School of Medicine, Stanford, CA
   Speaker information coming soon.

4. **Updating the Confusion: Emerging Physiologic Markers of Postoperative Brain Dysfunction**
   (Co-Sponsored by the Society for Neuroscience in Anesthesiology and Critical Care and the Society for Advancement of Geriatric Anesthesia)
   Moderator: Christopher Hughes, MD, MS, FCCM, Vanderbilt University Medical Center, Nashville, TN
3:00 pm – 3:15 pm  EEG Changes as an Indicator of Neurocognitive Resilience  
  Odmara Barreto Chang, MD, PhD  
  University of California San Francisco, San Francisco, CA

3:15 pm – 3:30 pm  Vascular and Endothelial Contributions to Postoperative Brain Dysfunction  
  Marcos Lopez, MD, MS  
  Johns Hopkins University School of Medicine, Baltimore, MD

3:30 pm – 3:45 pm  Cerebral Autoregulation Monitoring to Identify Patients at Risk for Delirium  
  Charles Brown, MD  
  Johns Hopkins University School of Medicine, Baltimore, MD

3:45 pm – 4:00 pm  Moderated Discussion and Q&A

5.  Panel: Moving Past the Single Center Trial: Opportunities and Challenges in Multi-Center Data Collaborations  
  Moderator: Richard H Epstein, MD, Anesthesia Information Systems, Miami, FL

3:00 pm - 3:15 pm  External Validation - Applying Results from Other Centers To Your Practice  
  Robert Freundlich, MD MS MSCI  
  Vanderbilt University Medical Center, Nashville, TN

3:15 pm – 3:30 pm  Federated Learning - Multi-Center Results Without Sharing Data  
  Ira Hofer, MD  
  University of California, Los Angeles David Geffen School of Medicine, Los Angeles, CA

3:30 pm – 3:45 pm  Multi-Center Quality Improvement - Using Different Kinds of Data to Get a Better Picture  
  Amy Shanks, PhD  
  Blue Cross/Blue Shield of Michigan, Detroit, MI

3:45 pm – 4:00 pm  Moderated Discussion and Q&A

Problem-Based Learning Discussion: Fine Tuning the Duration of your Regional Anesthetic: How to Provide Reliable Anesthesia and Superior Analgesia in a Fast-moving Surgical Environment  
3:00 pm – 4:00 pm HST  
Matthias Behrends, MD, University of California San Francisco, San Francisco, CA and Claas Siegmueллер, MD, PhD, MBA, University of California San Francisco, San Francisco, CA