



INTERNATIONAL ANESTHESIA RESEARCH SOCIETY

ANNUAL MEETING 2023



April 14-16, 2023
Final Program

CME Information

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the International Anesthesia Research Society and the Society of Critical Care Anesthesiologists (SOCCA). The International Anesthesia Research Society is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

The IARS designates this Live Activity for a maximum of 19.5 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Maintenance Of Certification in Anesthesiology (MOCA®)

The IARS 2023 Annual meeting offers up to 19.5 MOCA points, of which 14.5 points contribute the patient safety CME component of the American Board of Anesthesiology's redesigned Maintenance of Certification in Anesthesiology[™] (MOCA®) program, known as MOCA 2.0®.

Disclosures and additional CME information is available here: <https://meetings.iars.org/general-information/cme/>



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Friday, April 14, 2023

Artificial Intelligence and Machine Learning: Reality and Hype – *Co-Sponsored by the Society for Technology in Anesthesia (STA)*

7:00 am – 8:30 am MT

Room Location: Centennial E-H, Level 3

Moderator: *Jonathan P. Wanderer, MD, MPhil, FASA, FAMIA, Vanderbilt University Medical Center, Nashville, TN*

- 7:00 am – 7:20 am A Primer on AI in Anesthesiology
Hannah Lonsdale, MBChB
Johns Hopkins Medicine, Baltimore, MD
- 7:20 am – 7:40 am Clinical Applications of Artificial Intelligence and Machine Learning in Anesthesiology
Sabry Ayad, MD, MBA, FASA
Cleveland Clinic Lerner College of Medicine of Case Western Reserve University and the Ohio University, Cleveland, OH
- 7:40 am – 8:00 am Clinical Applications of Artificial Intelligence and Machine Learning in Critical Care
Ronald G. Pearl, MD, PhD
Stanford University Medical Center, Palo Alto, CA
- 8:00 am - 8:20 am A Path Forward: Solutions and Future Applications
Matthew Zapf, MD
Vanderbilt University Medical Center, Nashville, TN
- 8:20 am – 8:30 am Moderated Discussion and Q&A

Breakfast with Exhibits

8:30 am – 9:00 am MT

Room Location: Centennial Foyer, Level 3

RADAR: Raising Anesthesiology Diversity and Anti-Racism

9:00 am – 10:30 am MT

Room Location: Centennial E-H, Level 3

Moderator: *Scott D. Markowitz, MD, MSOL, Washington University School of Medicine in St. Louis, St. Louis, MO*
and Matthew C. Wixson, MD, Michigan Medicine, Ann Arbor, MI

- 9:00 am – 9:20 am Promoting Inclusivity in Department Practices and Leadership.
Odinakachukwu Ehie, MD, FASA, University of California San Francisco, San Francisco, CA
- 9:20 am – 9:40 am Representation and Improving diversity in departments/practices
Including Diversity and Inclusion Content in Training Programs
Allison D. Mitchell, MD, Washington University School of Medicine in St. Louis, St. Louis, MO
- 9:40 am – 10:00 am Pathways to science, medicine, anesthesiology for a more diverse
group of professionals



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*William McDade, MD, PhD, ACGME
Rush University, Chicago, IL*

10:00 am – 10:30 am Moderated Discussion and Q&A

Coffee Break with Exhibits

10:30 am – 11:00 am MT
Room Location: Centennial Foyer, Level 3

SABM Patient Blood Management (PBM) Update: PBM is a New Standard of Care to Improve Patient Outcomes: Current Research and Evidence-Based Guidelines - Co-Sponsored by the Society for the Advancement of Patient Blood Management (SABM)

11:00 am – 12:00 pm MT
Room Location: Centennial E-H, Level 3
Moderator: Susan M. Goobie, MD, FRCPC, Boston Children's Hospital, Harvard Medical School, Boston, MA

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|---------------------|---|
| 11:00 am – 11:15 am | <p>Patient Blood Management is a New Standard of Care to Optimize Blood Health
<i>Susan M. Goobie, MD, FRCPC
Boston Children's Hospital, Harvard Medical School, Boston, MA</i></p> |
| 11:15 am – 11:30 am | <p>Perioperative Anemia Management to Improve Patient Outcomes
<i>Nicole R. Guinn, MD
Duke University Medical Center, Durham, NC</i></p> |
| 11:30 am – 11:45 am | <p>Bloodless Medicine and Surgery
<i>Steven M. Frank, MD
Johns Hopkins University, Baltimore, MD</i></p> |
| 11:45 am – 12:00 pm | <p>Moderated Discussion and Q&A</p> |

Coffee and Lunch with Exhibits

12:00 pm – 12:30 pm MT
Room Location: Centennial Foyer, Level 3

Post-Roe v Wade: Facts and Implications for Patients, Babies and Us

12:30 pm – 2:00 pm MT
Room Location: Centennial E-H, Level 3
Moderator: Ruth Landau, MD, Columbia University, Irving Medical Center, New York, NY

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| 12:30 pm – 12:55 pm | <p>The Legal Implications of Roe v. Wade and Planned Parenthood v. Casey Repeals
<i>Alyssa M. Burgart, MD, MA
Stanford University, Palo Alto, CA</i></p> |
| 12:55 pm – 1:20 pm | <p>Maternal Health Statistics in the United States in 2023.
<i>Ruth Landau, MD
Columbia University, Irving Medical Center, New York, NY</i></p> |



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1:20 pm – 1:45 pm Perioperative and Pain Medicine Implications for Anesthesiologists
Caitlin D. Sutton, MD
Baylor College of Medicine, Texas Children’s Hospital, Houston, TX

1:45 pm – 2:00 pm Moderated Discussion and Q&A

Coffee Break with Exhibits

2:00 pm – 2:30 pm MT
Room Location: Centennial Foyer, Level 3

Enhanced Recovery Programs in 2023: Opportunities and Challenges - Co-Sponsored by the American Society of Enhanced Recovery (ASER)

2:30 pm – 4:00 pm MT
Room Location: Centennial E-H, Level 3
Moderator: Vijaya Gottumukkala, MBBS, MD, FRCA, The University of Texas MD Anderson Cancer Center, Houston, TX

2:30 pm – 2:55 pm Patient preoperative optimization to minimize postoperative morbidity
Jeanna D. Blitz, MD
Duke University Medical Center, Durham, NC

2:55 pm – 3:20 pm Choosing cost-effective and efficacious regional analgesia techniques
Nadia Hernandez, MD
University of Houston Health Sciences Center, Houston, TX

3:20 pm – 3:45 pm Machine Learning to Identify Optimal Perioperative Pathways
Michael Burns, MD
University of Michigan, Ann Arbor, MI

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

Coffee Break with Exhibits

4:00 pm – 4:30 pm MT
Room Location: Centennial Foyer, Level 3

The Nuts and Bolts of Doing a Good Manuscript Peer Review

4:30 pm – 6:00 pm MT
Room Location: Capitol 5-7, Level 4

Facilitators:

Thomas Vetter, MD, MPH, MFA, University of Texas at Austin, Austin, TX
Jean-François Pittet, MD, DEAA, University of Alabama at Birmingham, Birmingham, AL
Angela Enright, OC, MBBCh, FRCPC, University of British Columbia, Victoria, BC, Canada
Paloma Toledo, MD, MPH, University of Miami, Miami, FL

Scholars’ Reception

5:15 pm – 6:15 pm MT



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Room Location: Capitol 5-7 Foyer, Level 4

Networking Mentors:

- Suzanne Bennett, MD, Univ of Cincinnati College of Med, Cincinnati, OH
- Miguel Cobas, MD, Jackson South Medical Center, Palmetto Bay, FL
- Brigid Flynn, MD, University of Kansas Medical Center, Kansas City, KS
- Erin Hennessey, MD, Stanford Hospital and Clinics, Redwood City, CA
- Craig Jabaley, MD, Emory University, Atlanta, GA
- Oluwaseun Johnson-Akeju, MD, MGH, Lexington, MA
- Ashish Khanna, MD,MS, FCCP, FCCM,FASA, Wake Forest University School of Medicine, Winston-Salem, NC
- Linda Liu, MD, UC San Francisco, Brisbane, CA
- George Mashour, MD, PhD, University of Michigan, Ann Arbor, MI
- Dolores Njoku, MD, Washington University in St. Louis, St. Louis, MO
- Mark Nunnally, MD, NYU Langone Health, New York, NY
- Warren Sandberg, MD, PhD, Vanderbilt University Medical Center, Brentwood, TN
- Kristin Schreiber, MD, PhD, Brigham and Women's Hospital, Boston, MA
- Shahla Siddiqui, MD, MS, FCCM, Beth Israel Deaconess Medical Center, Newton, MA
- Lena Sun, MD, Columbia University, New York, NY
- Santhanam Suresh, MD MBA FASA, Ann & Robert H. Lurie Children's Hospital of Chicago, Evanston, IL
- Vivianne Tawfik, MD, Stanford University, Stanford, CA
- Michael Wall, MD, University of Minnesota, Minneapolis, MN
- Zhongcong Xie, MD, PhD, Massachusetts General Hospital and Harvard Medical School, Andover, MA

Aligned Session with IARS, AUA and SOCCA: *Anesthesia & Analgesia* Sponsored Journal Symposium: Moving the Needle: Strategies for Reducing Healthcare Disparities and Increasing Health Equity

6:15 pm – 7:30 pm MT

Room Location: Centennial E-H, Level 3

Moderator: Thomas Vetter, MD, MPH, MFA, University of Texas at Austin, Austin, TX

- 6:15 pm – 6:20 pm Introduction
Thomas Vetter, MD, MPH, MF
University of Texas at Austin, Austin, TX
- 6:20 pm – 6:35 pm Why Patient and Stakeholder Engagement is Important to Advance Equity
Romana Hasnain-Wynia, PhD
Denver Health, Denver, CO
- 6:35 pm – 6:50 pm The Future of Quality and Safety Includes Health Equity: What the Anesthesiologist Needs to Know
Mofya S. Diallo, MD, MPH



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University of Southern California, Children's Hospital of Los Angeles, Los Angeles, CA

- 6:50 pm – 7:05 pm A Case for Personalized Mentoring
Olubukola Nafiu, MD, MS
Nationwide Children's Hospital, Columbus, OH

- 7:05 pm – 7:20 pm Creating the Framework for Medical Journals to Improve Health Outcomes
Paloma Toledo, MD, MPH
University of Miami, Miami, FL

- 7:20 pm – 7:30 pm Moderated Discussion and Q&A

Alignment Reception with IARS, AUA and SOCCA

7:30 pm – 9:30 pm MT

Room Location: Centennial Foyer, Level 3



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Saturday, April 15, 2023 - *IARS, AUA and SOCCA Aligned Meeting Day*

Continental Breakfast

7:30 am – 8:00 am MT

Room Location: Centennial Foyer, Level 3

Opening Session and T.H. Seldon Memorial Lecture

8:00 am – 9:30 am MT

Room Location: Centennial E-H, Level 3

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|-------------------|--|
| 8:00 am – 8:05 am | Welcome Comments
<i>Santhanam Suresh, MD, MBA, FAAP</i>
<i>Lurie Children's Hospital, Chicago, IL</i> |
| 8:05 am – 8:10 am | Intro to the Seldon Lecture
<i>Beverley A. Orser, MD, PhD, FRCPC, FCAHS, FRSC</i>
<i>University of Toronto, Toronto, Ontario, Canada</i> |
| 8:10 am – 9:10 am | Imaging Pain, Pain Relief and Altered States of Anaesthesia-induced Consciousness
<i>Irene Tracey, MA (Oxon), DPhil., FRCA (Hon), FMedSci, CBE</i> <ul style="list-style-type: none">• <i>Vice-Chancellor at the University of Oxford</i>• <i>Professor of Anaesthetic Neuroscience</i>• <i>Founding member of Wellcome Centre for Integrative Neuroimaging</i> |
| 9:10 am – 9:30 am | Moderated Discussion and Q&A |

Coffee Break with Exhibits

9:30 am – 10:00 am MT

Room Location: Centennial Foyer, Level 3

IARS, AUA, SOCCA and eSAS Scholars' Day Program

10:00 am – 5:00 pm MT



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Concurrent Sessions

10:00 am – 11:00 am MT

1. **AUA: Update on Repurposing Anesthetics for Psychiatric Disorders**

Room Location: Centennial E-H, Level 3

Moderator: Beverley A. Orser, MD, PhD, FRCPC, FCAHS, FRSC, University of Toronto, Toronto, ON, Canada

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| 10:00 am – 10:15 am | Nitrous Oxide for Treatment-Resistant Depression
<i>Peter Nagele, MD, MSc</i>
<i>University of Chicago, Chicago, IL</i> |
| 10:15 am – 10:30 am | An Update on Ketamine for Psychiatric Disorders
<i>Boris Heifets, MD, PhD</i>
<i>Stanford University, Palo Alto, CA</i> |
| 10:30 am- 10:45 am | Antidepressant Effects of Propofol: Role of Slow Wave Sleep?
<i>Ben Palanca, MD, PhD</i>
<i>Washington University School of Medicine, St. Louis, MO</i> |
| 10:45 am – 11:00 am | Moderated Discussion and Q&A |

2. **SOCCA: Anesthesiology to the Rescue: Managing the Unstable Patient in the OR, PACU, ICU and Beyond**

Room Location: Mineral D-G, Level 3

Moderator: Ronald G. Pearl MD, PhD, Stanford University Medical Center, Palo Alto, CA

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| 10:00 am – 10:15 am | Still My Patient After Leaving the PACU and ICU: Preventing and Responding to RRTs
<i>Ashish K. Khanna, MD, MS, FCCP, FCCM, FASA</i>
<i>Wake Forest University School of Medicine, Winston-Salem, NC</i> |
| 10:15 am – 10:30 am | PACU as Triage Point for Prediction of Postoperative Outcomes
<i>Toby Weingarten, MD</i>
<i>Mayo Clinic, Rochester, MN</i> |
| 10:30 am- 10:45 am | Anesthesia ACLS is Different from ACLS
<i>Talia Ben-Jacob, MD, MS</i>
<i>Cooper University Health Care, Camden, NJ</i> |
| 10:45 am – 11:00 am | Moderated Discussion and Q&A |

3. **Postpartum Hemorrhage: Novel Assessments to Guide Perioperative Management and Improve Outcomes -**

Co-Sponsored by the Society for Obstetric Anesthesia and Perinatology (SOAP) 

Room Location: Mineral A-C, Level 3

Moderator: Jaime Daly, MD, University of Colorado, School of Medicine, Aurora, CO

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| 10:00 am – 10:12 am | Compensatory Reserve Index (CRI):
<i>Cristina Wood, MD</i>
<i>University of Colorado, School of Medicine, Aurora, CO</i> |
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- 10:12 am – 10:24 am Systems to Assist in Assessment of Qualitative Blood Loss
Michaela K. Farber, MD
Brigham and Women's Hospital, Boston, MA
- 10:24am - 10:36 am ROTEM/TEG in Postpartum Hemorrhage
Alexander Butwick, MBBS, FRCA, MS
Stanford University, School of Medicine, Palo Alto, CA
- 10:36 am – 11:48 am Transthoracic Echocardiography (TTE) use in Postpartum Hemorrhage
Clemens Ortner, MD, MS, DESA
Stanford University, School of Medicine, Palo Alto, CA
- 11:48 am – 12:00 pm Moderated Discussion and Q&A

Ticketed PBLD: What is New in Management of Cirrhotic Patient for a TIPS Procedure?

10:00 am – 11:00 am MT

Room Location: Marble, Level 4

Moderator: Marina Moguilevitch, MD, Albert Einstein College of Medicine, Bronx, NY

Poster Session G

11:00 am – 12:00 pm MT

Ticketed PBLD: Tonsillectomy in a Child - Avoid the Pitfalls

11:00 am – 12:00 pm MT

Room Location: Marble, Level 4

Moderator: Kimmo T. Murto, MD, FRCPC, Children's Hospital of Eastern Ontario, Ottawa, ON, Canada

Putting Electronic Data to Work at the Bedside - Clinical Decision Support for the 21st Century Clinician

11:00 am – 12:00 pm MT

Room Location: Mineral A-C, Level 3

Moderator: Jeanine P. Wiener-Kronish, MD, Massachusetts General Hospital, Boston, MA

- 11:00 am – 11:15 am Introducing the Electronic Safety Net
Kyan C. Safavi, MD, MBA
Massachusetts General Hospital, Boston, MA
- 11:15 am – 11:30 am Opportunities to Improve Maternal Safety Using Big Data
Vesela P. Kovacheva, MD PhD
Brigham and Women's Hospital, Harvard Medical School, Boston, MA
- 11:30 am – 11:45 am Predictive Algorithms in the Cardiac ICU
Michael R. Mathis, MD
University of Michigan Medical School, Ann Arbor, MI
- 11:45 am – 12:00 pm Moderated Discussion and Q&A



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When it's Right to be Wrong: Surprising and Hypothesis-Disproving Studies from the Recent Perioperative Medicine Literature

12:00 pm – 1:00 pm MT

Room Location: Centennial E-H, Level 3

Moderator: Miles Berger, MD PhD, Duke University Medical Center, Durham, NC

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|---------------------|--|
| 12:00 pm – 12:15 pm | Long Term Cognitive Decline after Coronary Artery Bypass Grafting vs PCI- Wherefore Art Thou, Perioperative Neurocognitive Disorders?
<i>Elizabeth Whitlock, MD, MS</i>
<i>University of California San Francisco, San Francisco, CA</i> |
| 12:15 pm – 12:30 pm | Obstructive Sleep Apnea and Perioperative Neurocognitive Disorders: Surprising Results from the SANDMAN Study
<i>Michael J. Devinney, MD, PhD</i>
<i>Duke University Medical Center, Durham, NC</i> |
| 12:30 pm- 12:45 pm | Getting Older Doesn't Mean Late Rising - Surprising Results from the TORIE Study on the Effect of Age on Latency to Emergence from General Anesthesia
<i>Partick McCormick, MD</i>
<i>Memorial Sloan Kettering Cancer Center, New York, NY</i> |
| 12:45 pm – 1:00 pm | Moderated Discussion and Q&A |

Lunch and Coffee with Exhibits

1:00 pm – 1:30 pm MT

Room Location: Centennial Foyer, Level 3

Concurrent Sessions

1:30 pm – 2:30 pm MT

1. AUA: Social Determinants of Perioperative Outcomes: How Anesthesiologists Can Transform Care for Vulnerable Patient Populations

Moderator: Solmaz P. Manuel, MD, University of California San Francisco, San Francisco, CA

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|-------------------|---|
| 1:30 pm – 1:45 pm | Providing Equitable Maternal Care
<i>Allison Lee, MD, MS</i>
<i>Columbia University Medical Center, New York, NY</i> |
| 1:45 pm – 2:00 pm | Incorporating Social Determinants in Your Practice to Improve Outcomes for All
<i>Odinakachukwu Ehie, MD, FASA</i>
<i>University of California San Francisco, San Francisco, CA</i> |
| 2:00 pm- 2:15 pm | Disparities in Clinical Research and Their Impact
<i>Olubukola Nafiu, MD, MS</i>
<i>Nationwide Children's Hospital, Columbus, OH</i> |
| 2:15 pm – 2:30 pm | Moderated Discussion and Q&A |



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2. SOCCA: When the Anesthesia Machine Ventilator Is Not Enough

Moderator: Ross Blank, MD, University of Michigan Health, Ann Arbor, MI

- 1:30 pm – 1:45 pm Overview of Anesthesia Machine vs ICU Ventilators
*Ross Blank, MD
University of Michigan Health, Ann Arbor, MI*
- 1:45 pm – 2:00 pm Advanced Ventilation Techniques in the Operating Room
*Oliver Panzer, MD
Hospital for Special Surgery, New York, NY*
- 2:00 pm- 2:15 pm Perioperative Use of ECMO
*Bhoumesh Patel, MD
Yale School of Medicine, New Haven, CT*
- 2:15 pm – 2:30 pm Moderated Discussion and Q&A

3. A Pragmatic Discussion on Intraoperative Hypotension

Room Location: Centennial E-H, Level 3

Moderator: *Richard P. Dutton, MD, MBA, US Anesthesia Partners*

- 1:30 pm – 1:45 pm The Demographics of IOH in the Community: Where, When, and Who?
Wael Saasouh, MD, Detroit Medical Center, Detroit, MI
- 1:45 pm – 2:00 pm What are the Future Directions in IOH Research? How can we Collaborate to Learn More?
Anna L. Christensen, PhD, Mathematica, Washington DC
- 2:00 pm- 2:15 pm Can we Make a Difference? Exploring Clinician Variation in IOH Incidence
Josh Lumbley, MD, Northstar Anesthesia, Columbus OH
- 2:15 pm – 2:30 pm Moderated Discussion and Q&A

4. Controversies in Enhanced Recovery Programs after a Decade of Implementation - Co-Sponsored by the American Society of Enhanced Recovery (ASER)

Moderator: Anoushka Afonso, MD, Memorial Sloan Kettering, New York, NY

- 1:30 pm – 1:45 pm Carbohydrate Loading and Preoperative Nutrition: What is the Evidence?
*Traci Hedrick, MD
University of Virginia Health, Charlottesville, Virginia*
- 1:45 pm – 2:00 pm Do you Need a Device for That? Optimal Intraoperative Fluid and Hemodynamic Management
*Tong J. Gan, MD, MBA, MHS, FASA, FRCA
Stony Brook University Medical Center, Stony Brook, NY*
- 2:00 pm- 2:15 pm Anesthetics and Outcomes: Does the Technique Matter?
Anoushka Afonso, MD



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Memorial Sloan Kettering Cancer Center, New York, NY

2:15 pm – 2:30 pm Moderated Discussion and Q&A

Ticketed PBLD: Sedation for High-Risk Patients - The ABCs of Avoiding Disasters

1:30 pm – 2:30 pm MT

Mary Beth Brady, MD, Johns Hopkins University School of Medicine, Baltimore, MD, Laeben Lester, MD, Johns Hopkins University School of Medicine, Baltimore, MD and Ashley Yager, MD, UT Southwestern Medical Center, Dallas, TX

Coffee Break with Exhibits

2:30 pm – 3:00 pm MT

Room Location: Centennial Foyer, Level 3

Poster Session H

3:00 pm – 4:00 pm MT

International Science Symposium: Impact of Innovation and Technology in Critical Care - Past and Future

4:00 pm – 5:30 pm MT

Room Location: Centennial E-H, Level 3

Moderator: Beverley A. Orser, MD, PhD, FRCPC, FCAHS, FRSC, University of Toronto, Toronto, ON, Canada

- 4:00 pm – 4:05 pm Introduction
Beverley A. Orser, MD, PhD, FRCPC, FCAHS, FRSC, University of Toronto, Toronto, ON, Canada
- 4:05 pm – 4:35 pm The Autumn Ghost: How the Battle Against a Polio Epidemic Revolutionized Modern Medical Care
Hannah Wunsch, MD, MSc, University of Toronto, Toronto, ON, Canada
- 4:35 pm – 4:50 pm Recorded Interview with Selma Calmes
Selma H. Calmes, MD retired as Chairman and Professor, Department of Anesthesiology, Olive View-UCLA Medical Center, Sylmar, California

and
Hannah Wunsch, MD, MSc, University of Toronto, Toronto, ON, Canada
- 4:50 pm – 5:20 pm How Cutting-Edge Technologies are Modifying Clinical Practice
James Blum, MD, University of Iowa, Iowa City, IA
- 5:20 pm – 5:30 pm Moderated Q&A



INTERNATIONAL ANESTHESIA RESEARCH SOCIETY ANNUAL MEETING 2023



April 14-16, 2023
Final Program

Sunday, April 16, 2023

Continental Breakfast with Exhibits

7:30 am – 8:00 am MT

Room Location: Centennial Foyer, Level 3

Sepsis Research from Bench to Bedside - Insights from Young Investigators - Co-Sponsored by the Early-Stage Anesthesiology Scholars (eSAS)

8:00 am – 9:00 am MT

Room Location: Centennial E-H, Level 3

Moderator: Kathryn Rosenblatt, MD, Johns Hopkins University School of Medicine, Baltimore, MD

- | | |
|-------------------|--|
| 8:00 am – 8:15 am | Targeting Toll-Like Receptors in Sepsis: from Bench to Clinical Trials.
<i>Brittney Williams, MD</i>
<i>University of Maryland, Baltimore, Baltimore, MD</i> |
| 8:15 am – 8:30 am | Exploring the Role of the Gut Microbiota in the Development of Post-Op Sepsis: Moving Beyond Simply Associated.
<i>Mara A. Serbanescu, MD</i>
<i>Duke University, Durham, NC</i> |
| 8:30 am – 8:45 am | Improving Neurological Outcomes in Sepsis using Personalized Cerebrovascular Targets
<i>Kathryn Rosenblatt, MD</i>
<i>Johns Hopkins University School of Medicine, Baltimore, MD</i> |
| 8:45 am – 9:00 am | Moderated Discussion and Q&A |

Coffee Break with Exhibits

9:00 am – 9:30 am MT

Room Location: Centennial Foyer, Level 3

Kosaka Best Abstracts Session

9:30 – 11:00 am MT

Room Location: Centennial E-H, Level 3

Moderators: George A. Mashour, MD, PhD, University of Michigan Medical School, Ann Arbor, MI, Vivianne Tawfik, MD, PhD, Stanford Medicine, Palo Alto, CA, Y. S. Prakash, M.D., PH.D., Mayo Clinic, Rochester, MN, Max B. Kelz, MD PhD, University of Pennsylvania, Philadelphia, PA

9:30 am – 9:35 am Introduction

Top Clinical Research Presentations

9:35 am – 9:43 am

The causes of hypoxemia and their relative contribution in COVID-19 respiratory failure: a combined Multiple Inert Gas Elimination Technique and Dual-Energy Computed Tomography study



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Mattia Busana, MD

9:43 am – 9:51 am

University Medical Center Goettingen, Goettingen, Germany
Lung entropic hysteresis: The concept of retained energy in mechanically ventilated ARDS patients

Aiman Suleiman, MD, MSc

Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA

9:51 am – 9:59 am

Effect of simulated blood pressure elevation during hypotensive noncardiac surgical procedures upon 30-day all-cause postoperative mortality as projected by the sluscore
Wolf Stapelfeldt, MD

Richard L. Roudebush VA Medical Center, Indianapolis, IN

Top Basic Science Presentations

9:59 am – 10:07 am

Tissue-protective and immunomodulatory functions of mature B cells in a murine model of hyperoxic lung injury

Dusan Hanidziar, MD, PhD

Massachusetts General Hospital, Boston, MA

10:07 am – 10:15 am

Discovery of a New Quinone Anesthetic Leads to Identification of a Novel Pharmacological Target in Mice

Richard Levy, MD

NY Presbyterian Hospital - Columbia University

10:15 am – 10:23 am

Enolase-2 in circulating extracellular vesicles as a biomarker to predict the severity of traumatic brain injury in male mice

Balaji Krishnamachary, Ph.D

University of Maryland School of Medicine, Baltimore, MD

Top Scholars Presentations

10:23 am – 10:31 am

The influence of intraoperative opioid administration on postoperative pain and opioid requirements

Laura A. Santa Cruz Mercado, MD

Beth Israel Deaconess Medical Center, Boston, MA

10:31 am – 10:39 am

Neonatal sevoflurane-exposed and unexposed male rat cagemates affect each other's neurodevelopmental phenotypes

Lingsha Ju, MD, MSc

University of Florida, Gainesville, FL

10:39 am – 10:47 am

Hispanic ethnicity and postoperative discharge to a nursing home: A New York City hospital retrospective study

Annika Witt, BSc

Montefiore Medical Center, Bronx, NY



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10:47 am – 10:53 am

Judges Deliberate

10:53 am – 11:00 am

Winners Announced

Ticketed PBLD: Professional Identity Formation and Its Importance for the Career Development of Anesthesiologists

10:00 am – 11:00 am MT

Room Location: Marble, Level 4

S. Kendall Smith, MD, PhD, Washington University School of Medicine in St. Louis, St. Louis, MO

Coffee Break with Exhibits

11:00 am – 11:30 am MT

Room Location: Centennial Foyer, Level 3

Poster Session I

11:30 am – 12:30 pm MT

Room Location: Centennial A-D, Level 3

Ticketed PBLD: Anesthetic Management of Patients with Placenta Accreta Spectrum (PAS)

11:30 am – 12:30 pm MT

Room Location: Marble, Level 4

Iryna Chugaieva, MD, University of Minnesota Medical Center, Minneapolis, MN

Lunch with Exhibits

12:30 pm – 1:30 pm MT

Coffee Break with Exhibits

1:30 pm – 2:00 pm MT

Room Location: Centennial Foyer, Level 3

Ticketed PBLD: Non-Obstetric Surgery on a Pregnant Patient with Recent COVID-19 Infection: Anesthetic Considerations

2:00 pm – 3:00 pm MT

Room Location: Marble, Level 4

Ioannis Angelidis, MD, MSPH, New York University Langone Medical Center, New York, NY

Concurrent Sessions

2:00 pm – 3:00 pm MT

1. Improving Patient Outcomes Through Prehabilitation - Innovative Approaches from Young Investigators -

Co-Sponsored by the Early-Stage Anesthesiology Scholars (eSAS) 

Room Location: Mineral D-G, Level 3

Moderator: Kimberly F. Rengel, MD, Vanderbilt University Medical Center, Nashville, TN

2:00 pm – 2:15 pm

Leveraging Wearable Activity Monitors for Prehabilitation
Daniel S. Rubin, MD, MS



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University of Chicago, Chicago, IL

2:15 pm- 2:30 pm Prehabilitation and Medical Optimization
Kimberly F. Rengel, MD
Vanderbilt University Medical Center, Nashville, TN

2:30 pm – 2:45 pm How Modifiable is Peri-Operative Risk: Patient Factors?
Douglas A. Colquhoun, MB ChB, MPH, MSc
University of Michigan, Ann Arbor, MI

2:45 pm – 3:00 pm Moderated Discussion and Q&A

2. Update on SmartTots Initiative and Funded Research

Room Location: Centennial E-H, Level 3

Moderator: Dean B. Andropoulos, MD, MHCM, Texas Children’s Hospital, Baylor College, Houston, TX

2:00 pm – 2:05 pm Introduction
Dean B. Andropoulos, MD, MHCM, Texas Children’s Hospital, Baylor College, Houston, TX

2:05 pm- 2:20 pm Update on SmartTots Initiative
Santhanam Suresh, MD
Lurie Children's Hospital, Chicago, IL

2:20 pm – 2:35 pm Role of Mossy Fiber Terminals in Early Anesthesia Neurotoxicity
Jimcy Platholi, MS, PhD
Weill Cornell Medicine, New York, NY

2:35 pm – 2:50 pm Neurodevelopmental Outcome After Standard vs. Low-Dose Sevoflurane: The TREX Trial
Peter Szmuk, MD
UT Southwestern Medical Center, Dallas, TX

2:50 pm – 3:00 pm Moderated Discussion and Q&A

3. Enhanced Recovery After Hemorrhage: A New 'ERAH' in Pediatric Patient Blood Management - Co-Sponsored by SPA Patient Blood Management Special Interest Group

Room Location: Capitol 1-4, Level 4

Moderator: Nina A. Guzzetta, MD, FAAP, Emory University, Children’s Healthcare of Atlanta, Atlanta, GA

2:00 pm – 2:15 pm Pediatric Patient Blood Management and Massive Hemorrhage Protocols: Thinking Beyond the Massive Transfusion Protocol
Susan M. Goobie, MD, FRCPC
Boston Children’s Hospital, Harvard Medical School, Boston, MA

2:15 pm- 2:30 pm Goal-Directed Therapy, Hemostatic Adjuncts and Coagulation Monitoring in Pediatric Massive Hemorrhage
Thorsten Haas, MD
University of Florida - College of Medicine, Gainesville, FL



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- 2:30 pm – 2:45 pm Pediatric Massive Hemorrhage Protocols and Quality Metrics
Kimmo T. Murto, MD, FRCPC
Children's Hospital of Eastern Ontario, Ottawa, ON, Canada
- 2:45 pm – 3:00 pm Moderated Discussion and Q&A

4. Anesthesia and Analgesia and The Society for the Advancement of Geriatric Anesthesia (SAGA) Sponsored Symposium on Geriatric Anesthesia: Perioperative Strategies for Older Adults - A Multidisciplinary Approach

Room Location: Mineral A-C, Level 3

Moderator: *Charles Hugh Brown IV, M.D., Johns Hopkins Medicine, Baltimore, MD*

- 2:00 pm – 2:15 pm Special Considerations for the Preoperative Evaluation and Optimization of Older Adult
Jeanna Blitz, MD, FASA
Duke University, Durham, NC
- 2:15 pm- 2:30 pm Talk TBD
Teresa Jones, MD
University of Colorado School of Medicine
Aurora, CO
- 2:30 pm – 2:45 pm Frailty Assessment by Anesthesiologists: Why and how
Itay Bentov MD, PhD
University Of Washington School of Medicine, St. Louis, MO
- 2:45 pm – 3:00 pm Moderated Discussion and Q&A

Poster Session J

3:00 pm – 4:00 pm MT

Room Location: Centennial A-D, Level 3

Concurrent Sessions

4:00 pm – 5:00 pm MT

1. The Anesthesia Workforce – Who's Doing the Work? - Co-Sponsored by the World Federation of Societies of Anaesthesiologists (WFSA)

Room Location: Centennial E-H, Level 3

Moderator: *Tyler Law, MD, University of California, San Francisco, San Francisco, CA*

- 4:00 pm – 4:15 pm Mapping the Global Workforce – the WFSA Approach
Tyler Law, MD
University of California, San Francisco, San Francisco, CA
- 4:15 pm- 4:30 pm Bringing Some Sense to African Training Models
Fredfly Bulamba, Busitema University, Mbale, Uganda. WFSA Global Anesthesia Workforce Study Co-Lead



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- 4:30 pm – 4:45 pm Nurse Anesthetists – A Global Perspective
Jackie Rowles, PhD, CRNA, Texas Christian University and International Federation of Nurse Anesthetists, GAWS Nurse Anesthetist Focal Point
- 4:45 pm – 5:00 pm Moderated Discussion and Q&A

2. Mentorship Programs in Anesthesiology Departments - From Residency to Faculty

Room Location: Centennial E-H, Level 3

Moderators: Anna Woodbury, MD, MSCR, Emory University, Atlanta, GA and Bola Faloye, MD, Emory University, Atlanta, GA

- 4:00 pm – 4:15 pm Mentor Education - What Makes a Good Mentor?
*Emily Methangkool, MD, MPH
University of California Los Angeles, Los Angeles, CA*
- 4:15 pm- 4:30 pm Mentoring - Resource Management
*Anne Cherry, MD, FASE
Duke University, Durham, NC*
- 4:30 pm – 4:45 pm Building a Mentorship Program - Building Blocks, Road Blocks, Trail Blazing
*Bola Faloye, MD
Emory University, Atlanta, GA*
- 4:45 pm – 5:00 pm Moderated Discussion and Q&A