

VIRTUAL

the
ANESTHESIOLOGY[®]
annual meeting
OCTOBER 2-5, 2020

American Society of
Anesthesiologists[®] 

ASA ANNUAL MEETING COMPANION

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DEPARTMENT OF ANESTHESIOLOGY

VANDERBILT  UNIVERSITY
MEDICAL CENTER

MESSAGE FROM THE CHAIR



Congratulations to this year's 2020 ASA participants! Herein, we have compiled a guide to Vanderbilt's activities at the virtual ANESTHESIOLOGY® 2020 annual meeting. To the many contributing Vanderbilt University Medical Center faculty, CRNAs, residents, fellows and staff, whether you're virtually attending the meeting or tending our fundamental clinical mission, thank you.

The ANESTHESIOLOGY® 2020 annual meeting provides us the unique opportunity to learn about and, of course, present cutting edge technology and research in every area of our specialty. I encourage you to network with national and international colleagues as you participate in the scientific and educational sessions. It is through collaboration that we attain the highest levels of success in our rapidly evolving field.

While this year is virtual, I hope you will find the presentations motivating and inspiring as you embark upon new ideas in research, education and perioperative care. And remember to express your sincere thanks to the dedicated members of the department who make our participation in such meetings possible.

Warren S. Sandberg, MD, PhD
Chair, Department of Anesthesiology, Vanderbilt University Medical Center
Chief of Staff, Perioperative and Critical Care Services, Vanderbilt University Adult Hospital
Professor of Anesthesiology, Surgery and Biomedical Informatics, Vanderbilt University School of Medicine

SATURDAY, OCTOBER 3

Oral Presentations: *Simulated Traumatic Brain Injury in Mouse Isolated Neurons Is Not Attenuated by Poloxamer 188 Postconditioning*

9 a.m. - 3 p.m. | Matthias Riess, MD, PhD, FASA

eAbstracts: *Application of MyD88-selective Toll-like Receptor (TLR) Agonist Protection in Nosocomial Infections*

9 a.m. - 3 p.m. | Antonio Hernandez, MD, Naeem Patil, MBBS, PhD, Edward Sherwood, MD, PhD, Julia Bohannon, PhD

eAbstracts: *Transcatheter Aortic Valve Replacement in Patients with Left Ventricular Assist Devices and Aortic Insufficiency: A Case Series Focusing on Anesthetic Considerations*

9 a.m. - 3 p.m. | Christopher Lensing, MD, Susan Eagle, MD, Meredith Kingeter, MD

Quality Improvement Projects: *Massive Transfusion Protocol Check-in*

9 a.m. - 3 p.m. | Leslie Fowler, MEd, Amy Robertson, MD

Quality Improvement Projects: *Facilitating Wellbeing During Transition to Intraoperative Anesthesia with a Structured Peer Mentorship Program*

9 a.m. - 3 p.m. | Monica Bhutiani, MD, MEd, Philip Leisy, MD, Brian Gelfand, MD, Meredith Kingeter, MD

Quality Improvement Projects: *Refocusing Ca-1 Bootcamp Towards Resident Education, Wellness, and Patient Safety*

9 a.m. - 3 p.m. | Monica Bhutiani, MD, MEd, Philip Leisy, MD, Brian Gelfand, MD, Meredith Kingeter, MD

Quality Improvement Projects: *Moderate/Deep Sedation--Are You Safe?*

9 a.m. - 3 p.m. | Shannon Hersey, MD

Medically Challenging Cases: *Lessons Learned From the First Living Donor Liver Transplant at Vanderbilt University Medical Center*

9 a.m. - 3 p.m. | Meredith Kingeter, MD, Kelly Mishra, MD

Medically Challenging Cases: *Rapid Identification of Known Difficult Airway Is Critical for Successful Management of Obstetric Emergencies in Morbidly Obese Women*

9 a.m. - 3 p.m. | Claire Spradling, MD, Jonathan Wanderer, MD, MPhil, David Chestnut, MD, Jeanette Bauchat, MD

Medically Challenging Cases: *Epidural Anesthesia for Cesarean Section in a G1p0 with Congenital Heart Disease in Acute Heart Failure*

9 a.m. - 3 p.m. | Sarah Thomas, MD, Jeanette Bauchat, MD, Susan Eagle, MD

Medically Challenging Cases: *No Platelets, No Problem: Safe Cesarean Section Planning in Severe, Refractory, Immune Thrombocytopenic Purpura*

9 a.m. - 3 p.m. | Claire Spradling, MD, Krishnan Ramanujan, MD, Britany Raymond, MD, Laura Sorabella, MD

Medically Challenging Cases: *Intrathecal Morphine Catheter for Pain Control in Polytrauma*

9 a.m. - 3 p.m. | Krishnan Ramanujan, MD, Clayne Benson, MD, Kevin Furman, DO

Medically Challenging Cases: *Hydroxycobalamin for the Treatment of Refractory Intraoperative Vasoplegia in Patient with History of Alcohol Abuse, Malnutrition, and Angiotensin Receptor Blocker Use*

9 a.m. - 3 p.m. | Erin Brockway, MD, Christopher Canlas, MD, Camila Walters, MD

Medically Challenging Cases: *The Avoidance of General Anesthesia for an Above Knee Amputation in the Setting of Severely Stenotic Heart Valves*

9 a.m. - 3 p.m. | Christopher Tufts, MD, Bret Alvis, MD, Clifford Bowens, MD

Medically Challenging Cases: *Pre-eclampsia, Severe Systemic Lupus Erythematosus, or Both? Care, Concern and Challenges of the Parturient with Lupus Nephritis*

9 a.m. - 3 p.m. | Alyssa Streff, MD, Christian Pearson, DO, Susan Dumas, MD

Medically Challenging Cases: *The Eternal Battle of Head vs. Heart: Treatment of Saddle Pulmonary Embolus with Concurrent Hemorrhagic Stroke*

9 a.m. - 3 p.m. | Brittany Raymond, MD, Arna Banerjee, MBBS

Medically Challenging Cases: *Systemic Cardioplegia for Triple-repeat Aortic Root Repair*

9 a.m. - 3 p.m. | Simon Martin, MD, Jared Cummings, MD, Meredith Kingeter, MD

Medically Challenging Cases: *Acute Right Ventricular Failure due to Myocardial Contusion Following Blunt Chest Trauma*

9 a.m. - 3 p.m. | Holly Ende, MD, Liza Weavind, MBBCh, FCCM, MMHC

Medically Challenging Cases: *A Curious Case of Digital Ischemia - Was the Arterial Line to Blame?*

9 a.m. - 3 p.m. | Claire Spradling, MD, Britany Raymond, MD, Michael Richardson, MD

Medically Challenging Cases: *Critical Airway as the Initial Presentation of Acquired Hemophilia A*

9 a.m. - 3 p.m. | Luis Perez, MD, Sung Min Kim, MD, Liza Weavind, MBBCh, FCCM, MMHC

Medically Challenging Cases: *The Medical and Ethical Considerations Involving Resource Allocation in Critical Illness in the Age of COVID-19: A Case of Extensive IVC Thrombectomy from Renal Cell Carcinoma*

9 a.m. - 3 p.m. | Erin Shirley, MD, Liza Weavind, MBBCh, FCCM, MMHC

Medically Challenging Cases: *Abnormal Implantable Cardioverter-Defibrillator Activation in Lower Extremity Surgery*

9 a.m. - 3 p.m. | Krishnan Ramanujan, MD, Christiana Roussis, MD

Medically Challenging Cases: *Multiple Failed Epidural Analgesics in a Laboring Primigravida with a Spinal Cord Stimulator*

9 a.m. - 3 p.m. | Ethan Young, MD, David A. Edwards, MD, PhD, Holly Ende, MD

Medically Challenging Cases: *Polytrauma in Term Pregnancy*

9 a.m. - 3 p.m. | Calvin Gruss, MD, Atish Patel, MD

Medically Challenging Cases: *Anesthetic Considerations and Strategies for Managing Severe Peripartum Pulmonary Hypertension*

9 a.m. - 3 p.m. | Erin Shirley, MD, Simon Martin, MD, Susan Dumas, MD

Medically Challenging Cases: *Diagnosis and Management of Euglycemic Ketoacidosis During Pregnancy*

9 a.m. - 3 p.m. | Caroline Ruminski, MD, Rachel Wood, MD, Louise Alexander, MD

Medically Challenging Cases: *Let's Bolus Some Prostaglandin*

9 a.m. - 3 p.m. | Bevan Londergan, MD

Medically Challenging Cases: *Intraoperative Placement of Intercostal Nerve Catheter for Traumatic Rib Fracture Pain*

9 a.m. - 3 p.m. | Olivia Valencia, MD, Danial Shams, MD, Lane Crawford, MD

Medically Challenging Cases: *In the Face of Coagulopathy: Management of an Epidural Catheter for a High Risk Patient*

9 a.m. - 3 p.m. | Britany Raymond, MD

Medically Challenging Cases: *Dexmedetomidine and Hyperkalemia? Can It Really Occur?*

9 a.m. - 3 p.m. | Sung Min Kim, MD, Michael Pilla, MD

Medically Challenging Cases: *Unlikely Cause of Arm Ischemia After Trauma and Vascular Repair*

9 a.m. - 3 p.m. | Alyssa Streff, MD, Meredith Kingeter, MD

Medically Challenging Cases: *Sapient S3 for Percutaneous Transcatheter Pulmonary Valve Replacement for a Patient with Tetralogy of Fallot*

9 a.m. - 3 p.m. | Jesse Ream, MD, Kara Siegrist, MD

Medically Challenging Cases: *Anesthetic Management of a Left Ventricular Mycotic Pseudoaneurysm*

9 a.m. - 3 p.m. | Matthew Roi, MD, Kara Siegrist, MD

Medically Challenging Cases: *Right Hepatectomy on Venovenous Extracorporeal Membrane Oxygenation*

9 a.m. - 3 p.m. | Kelly Mishra, MD

Medically Challenging Cases: *Pancreatitis and Preeclampsia: A Slippery Slope*

9 a.m. - 3 p.m. | Alyssa Streff, MD, Laura Sorabella, MD

Medically Challenging Cases: *Navigating Uncertainty and Preserving Patient Autonomy: Spinal Anesthesia for Urgent Cesarean Delivery in the Presence of Acute Traumatic Subdural Hematoma*

9 a.m. - 3 p.m. | Robert Baranello, MD, Michael Richardson, MD

Medically Challenging Cases: *Prolonged Paralysis: Diaphragm Resistance to Paralytic and the Importance of Objective Neuromuscular Monitoring*

9 a.m. - 3 p.m. | Melissa McKittrick, MD, Frederick Lombard, MBChB, FANZCA

Medically Challenging Cases: *Intraoperative Sugammadex-Associated Anaphylaxis*

9 a.m. - 3 p.m. | Krishnan Ramanujan, MD, Christopher Carver, CRNA, Holly Ende, MD

Medically Challenging Cases: *Difficult Diagnosis of PRES due to Language Barriers in a Severely Pre-eclamptic Patient with HELLP Syndrome*

9 a.m. - 3 p.m. | Claire Spradling, MD, Jeanette Bauchat, MD

Problem-Based Learning Discussions: *Is My Patient Suitable for Ambulatory Outpatient Surgery? How to Balance Morbid Obesity, Obstructive Sleep Apnea, Diabetes, and Opiates in the Ambulatory Surgical Patient*

10 a.m. - 11 a.m. | Michael Pilla, MD



Ellison Pierce Lecture

Featured Speaker: Matthew B. Weinger, MD
“*Is Safety Becoming the Poor Stepchild of Quality?*”

Saturday, Oct. 3 | 10 a.m. to 11 a.m.

Subspecialty Panels: *Behavioral Syndromes: How to Perform a Smooth Anesthetic*

12 p.m. - 1 p.m. | Sriyaya Reddy, MD, MBA

Subspecialty Panels: *Practical Considerations for Machine Learning Implementation*

12 p.m. - 1 p.m. | Jonathan Wanderer, MD, MPhil

Special Meetings/Featured Lectures/Sessions: *Staff Safety and Burnout Risk*

1 p.m. - 2 p.m. | Matthew B. Weinger, MD

Problem-Based Learning Discussions: *Embolic Syndrome in Total Hip Arthroplasty Patient with Severe Ischemic Cardiomyopathy and Chronic Obstructive Pulmonary Disease*

2 p.m. - 3 p.m. | Clifford Bowens, MD

SUNDAY, OCTOBER 4

Special Meetings/Featured Lectures/Sessions: *Adaptations on Labor and Delivery for the Pregnant Woman and Her Baby*

10 a.m. - 11 a.m. | Edward Yaghmour, MD

Resident and Fellow Sessions: *Securing Your First Job as an Anesthesiologist*

10 a.m. - 11 a.m. | Kyle Hamm, MD

Problem-Based Learning Discussions: *It's Just a Cataract: How a Simple Thing Can Go Bad*

12 p.m. to 1 p.m. | Michael Pilla, MD

Special Meetings/Featured Lectures/Sessions: *It's Never Too Late: Starting a Research Career During Residency*

1 p.m. to 2 p.m. | Kimberly Rengel, MD

Problem-Based Learning Discussions: *Regional Anesthesia for Lower Extremity Surgery in the Patient with Co-morbid Disease*

2 p.m. to 3 p.m. | Clifford Bowens, MD

60 Minute Panels: *Perioperative Considerations for Patients with Valvular Disease*

3 p.m. to 4 p.m. | Miklos Kertai, MD, PhD

Oral Presentations: *Effect of Intraoperative Oxygen Delivery on Systemic Oxygen Consumption*

4 p.m. - 5 p.m. | Marcos Lopez, MD, Tracie Baker, BS, Derwin Campbell, BS, Josh Billings, MD

Special Meetings/Featured Lectures/Sessions: *FAER/eSAS Elevator Speech/Networking*

4:30 p.m. - 5:30 p.m. | Kimberly Rengel, MD

MONDAY, OCTOBER 5

Oral Presentations: *Experimental Circulation II*

9 a.m. - 10 a.m. | Abstract Moderator: Matthias Riess, MD, PhD, FASA

Oral Presentations: *Ischemia-reperfusion Injury in Isolated Hearts from Diabetic Zucker Spontaneous Hypertensive Fatty and Non-diabetic Rats - Effect of Buffer Glucose Adjustment*

9 a.m. - 10 a.m. | William Cleveland, Matthias Riess, MD, PhD, FASA

Oral Presentations: *Poloxamer 188 Shows No Immediate Effect on Mitochondrial Function Following Ischemia/Reperfusion of Rat Isolated Hearts*

9 a.m. - 10 a.m. | Matthias Riess, MD, PhD, FASA, William Cleveland

Oral Presentations: *High Glucose Does Not Exacerbate Hypoxia/Reoxygenation Injury in Mouse Diabetic Coronary Artery Endothelial Cells*

9 a.m. - 10 a.m. | Matthias Riess, MD, PhD, FASA

Oral Presentations: *Information Management and Database Research II*

1 p.m. - 2 p.m. | Abstract Moderator: Jonathan Wanderer, MD, MPhil

Oral Presentations: *History and Education III*

1 p.m. - 2 p.m. | Abstract Moderator: Amy Robertson, MD

Snap-Talk: *Monitoring Following Neuraxial Opioids*

2 p.m. - 3 p.m. | Jeanette Bauchat, MD

DEPARTMENT OF ANESTHESIOLOGY

VANDERBILT UNIVERSITY
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Academic Excellence in Action

This guide represents our department's contribution of over 60 activities at the virtual 2020 ASA Annual Meeting:

33 Medically Challenging Cases
8 Oral Presentations
6 Problem-Based Learning Discussions
5 Special Meetings/Featured Lectures/Sessions
4 Quality Improvement Projects

2 Subspecialty Panels
2 eAbstracts
1 60 Minute Panel
1 Resident and Fellow Session
1 Snap-Talk

2020 PARTICIPANTS

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Bret Alvis, MD



Arna Banerjee, MBBS



Jeanette Bauchat, MD



Clayne Benson, MD



Josh Billings, MD



Julia Bohannon, PhD



Clifford Bowers, MD



Erin Brockway, MD



Christopher Canlas, MD



David Chestnut, MD



Lane Crawford, MD



Jared Cummings, MD



Susan Dumas, MD



Susan Eagle, MD



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Holly Ende, MD



Leslie Fowler, MD



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