

DEPARTMENT OF ANESTHESIOLOGY

VANDERBILT  UNIVERSITY
MEDICAL CENTER

2022 ASA & RELATED MEETINGS COMPANION

THIS MEETING COMPANION REPRESENTS OUR DEPARTMENT'S CONTRIBUTIONS AS ACCEPTED BY THE ASA FOR ITS ANNUAL MEETING. CHANGES IN CIRCUMSTANCES AFTER THE TIME OF PUBLICATION MAY IMPACT THE ACCURACY OF THE INFORMATION. FOR THE MOST UP-TO-DATE LISTING OF ACTIVITIES AND EVENTS, PLEASE REFER TO OFFICIAL ASA MATERIALS.

IN-PERSON EVENTS:
NEW ORLEANS ERNEST N. MORIAL
CONVENTION CENTER
900 CONVENTION CENTER BLVD
NEW ORLEANS, LA 70130



the
ANESTHESIOLOGY
annual meeting

American Society of Anesthesiologists®

NEW ORLEANS | OCTOBER 21-25, 2022

MESSAGE FROM THE CHAIR



Congratulations to this year's 2022 ASA participants! Herein, we have compiled a guide to Vanderbilt's activities at the ANESTHESIOLOGY® 2022 annual meeting. To the many contributing Vanderbilt University Medical Center faculty, CRNAs, residents, fellows and staff, whether you're virtually attending the meeting, attending in-person or tending our fundamental clinical mission, thank you.

The ANESTHESIOLOGY® 2022 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.

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, Vanderbilt University Adult Hospital
Professor of Anesthesiology, Surgery and Biomedical Informatics,
Vanderbilt University School of Medicine

RELATED MEETINGS/EVENTS

Society of Anesthesia and Sleep Medicine

October 21 | 9:20 a.m. - 9:35 a.m. | Virtual
Non-pharmacological Interventions for Preventing Delirium in Perioperative Patients
Kimberly Rengel, MD

Society for Pediatric Anesthesia

October 21 | 3:30 p.m. - 3:45 p.m. | LaNouvelle - Ballroom B
"Quiet Please!"...Filtering Out the Operating Room Noise
Christy Crockett, MD

Residency/Fellowship Programs Meet & Greet

Ernest N. Morial Convention Center, Great Hall B/C
Saturday October 22 | 4 p.m. - 6 p.m.

SATURDAY, OCTOBER 22

Featured Abstracts/Poster Presentations: *Hyperoxia Increases Biomarkers of Renal Injury in a Mouse Model of Renal Ischemia and Reperfusion*

7:00 a.m. - 8:30 a.m. | Hall B1 | Josh Billings, MD, MSCI

Snap-Talk: *Perioperative Management of Pulmonary Hypertension in Non-cardiac Surgery - Postoperative ABC: Analgesia, Breathing, Cardiac Function*

7:30 a.m. - 8:30 a.m. | Room 255-257 | Miklos Kertai, MD, PhD

Hands-on Workshop: *Invasive Cadaveric Procedural Skills Lab Boot Camp*

7:30 a.m. - 11:30 a.m. | Room 343-345 | Tony Chang, MD

eAbstracts: *Experimental Circulation - Hyperoxia Increases Biomarkers of Renal Injury in a Mouse Model of Renal Ischemia and Reperfusion*

7:30 a.m. - 2:30 p.m. | Virtual | Josh Billings, MD, MSCI

eAbstracts: *Patient Safety and Practice Management - Improving Neuromuscular Monitoring and Reducing Postoperative Pulmonary Complications*

7:30 a.m. - 2:30 p.m. | Virtual | Jacob Clifton, BS, Robert Freundlich, MD, MS, MSCI, Matthew McEvoy, MD, Leslie Fowler, EdD, Miklos Kertai, MD, PhD

Hands-on Workshop: *Ultrasound-Guided Regional Anesthesia and Analgesia Techniques for Breast Surgery*

10:00 a.m. - 11:30 a.m. | Room 275-277 | Brian Allen, MD

Featured Abstracts/Poster Presentations: *Prescribing Patterns for Antipsychotic Medications in the Intensive Care Unit*

10:00 a.m. - 11:30 a.m. | Hall B1 | Brittany McCann, MD, Christopher Hughes, MD, Christina Boncyk, MD

Snap-Talk: *Perioperative and Critical Care Management of Challenging Cardiac Abnormalities for Noncardiac Surgery - Pulmonary Hypertension*

10:15 a.m. - 11:15 a.m. | Room 225-227 | Christina Jelly, MD

Hands-on Workshop: *Invasive Cadaveric Procedural Skills Lab: Pushing the Limits*

1:00 p.m. - 5:00 p.m. | Room 343-345 | Tony Chang, MD

Medically Challenging Cases: *Escape from PACU: The Tale of an Ambulance Joyride*
1:10 p.m. - 1:20 p.m. | Hall C - Monitor 16 | Sarah Gallegos, DO, Douglas Hester, MD
Matthew Zapf, MD

Hands-on Workshop: *Regional Anesthesia and Analgesia Techniques for Rib Fractures*

1:15 p.m. - 2:45 p.m. | Room 275-277 | Brian Allen, MD

Subspecialty Panel: *(SOCCA) Critical Care Year in Review*

2:30 p.m. - 3:30 p.m. | Room 203-205 | MODERATOR: Christina Jelly, MD

Medically Challenging Cases: *Back in the Saddle: Challenging Resuscitation of a Trauma Patient with Massive Pulmonary Embolism*

2:40 p.m. - 2:50 p.m. | Hall C - Monitor 9 | Braden Hestermann, MD, Robert Barnes, MD

Hands-on Workshop: *Pediatric Advanced Ultrasound Guided Regional Anesthesia and Fascial Plane Blocks Workshop*

3:00 p.m. - 4:30 p.m. | Room 338-339 | Andrew Franklin, MD, MBA

Featured Abstracts/Poster Presentations: *Improving Neuromuscular Monitoring and Reducing Postoperative Pulmonary Complications*

3:15 p.m. - 4:45 p.m. | Hall B1 | Jacob Clifton, BS, Robert Freundlich, MD, MS, MSCI, Matthew McEvoy, MD, Leslie Fowler, EdD, Miklos Kertai, MD, PhD

Featured Abstracts/Poster Presentations: *Developing Survey for Benchmarking Days Off After Working in the ICU: A Pilot Study*

3:15 p.m. - 4:45 p.m. | Hall B1 | Antonio Hernandez, MD

Oral Presentations: *Experimental Circulation - Implementation of Rodent Severe Hemorrhagic Shock Model - Effect of Hemorrhage Duration, Shock Duration and $F_{I}O_2$*

3:45 p.m. - 4:45 p.m. | Virtual | Takuro Oyama, MD, PhD, Matthew Barajas, MD, Zhu Li, PhD, Matthias Riess, MD, PhD

Oral Presentations: *Experimental Circulation - Effect of Type 2 Diabetes on Resuscitation from Asphyxial Cardiac Arrest in In-vivo Rat Model*

3:45 p.m. - 4:45 p.m. | Virtual | Matthew Barajas, MD, Takuro Oyama, MD, PhD, Zhu Li, PhD, Matthias Riess, MD, PhD

Oral Presentations: *Information Management and Database Research*

3:45 p.m. - 4:45 p.m. | Virtual | MODERATORS: Jonathan Wanderer, MD, MPhil, Robert Freundlich, MD, MS, MSCI

SUNDAY, OCTOBER 23

Oral Presentations: *Critical Care - Prescribing Patterns for Antipsychotic Medications in the Intensive Care Unit*

7:30 a.m. - 8:30 a.m. | Virtual | Brittany McCann, MD, Christopher Hughes, MD, Christina Boncyk, MD

Medically Challenging Cases: *Temporomandibular Joint Dislocation from Airway Manipulation at an Ambulatory Surgery Center*

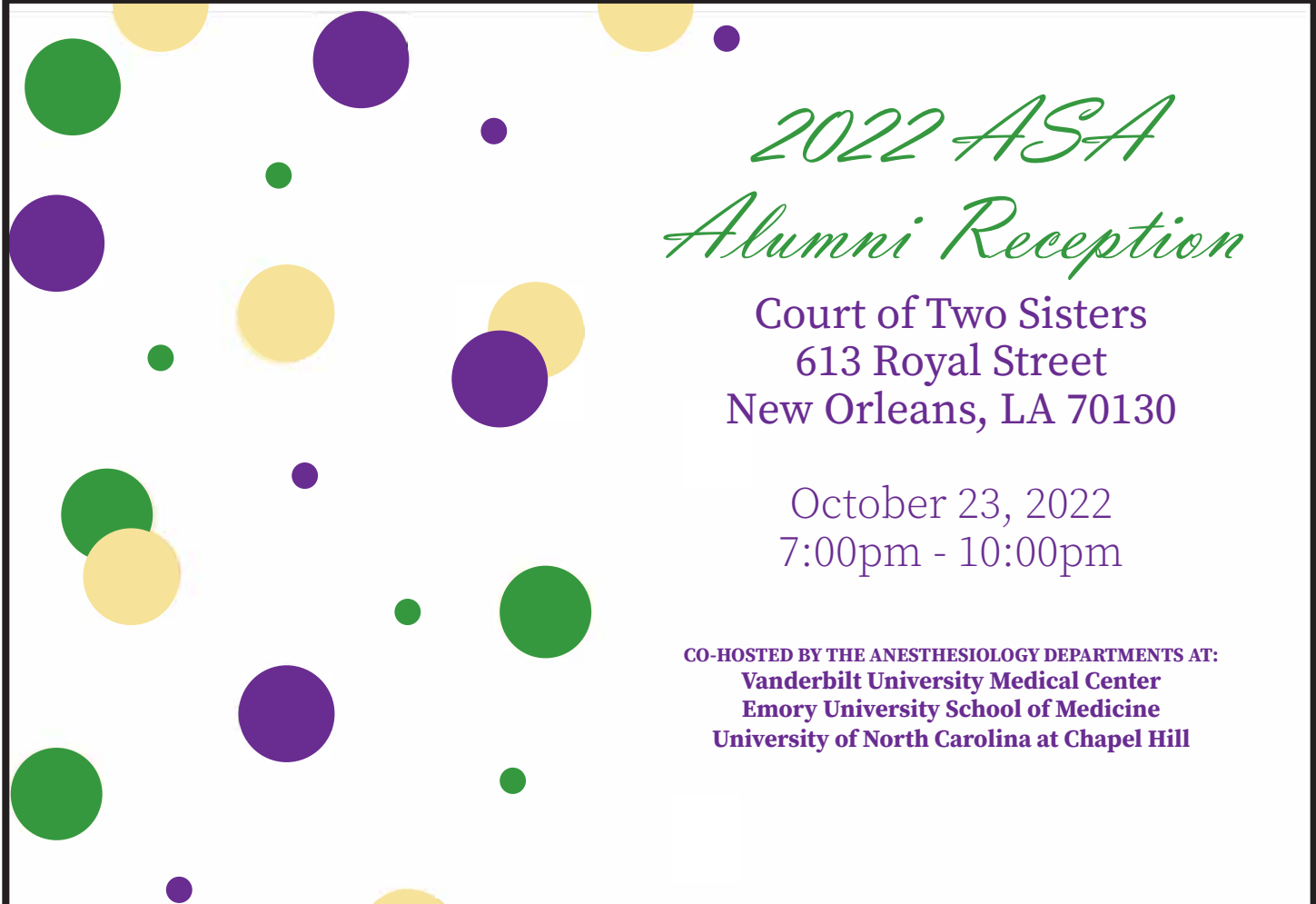
7:50 a.m. - 8:00 a.m. | Hall C - Monitor 10 | Luis Perez, MD, Christopher Canlas, MD, Vikram Bansal, MD, Tony Chang, MD

Featured Lectures/Special Meetings: *Choose Your Adventure - Ways to Incorporate Research into Your Practice*

8:00 a.m. - 9:00 a.m. | LaNouvelle Ballroom B/C | MODERATOR: Kimberly Rengel, MD

Oral Presentations: *Obstetric Anesthesia*

10:15 a.m. - 11:15 a.m. | Virtual | MODERATOR: Holly Ende, MD



*2022 ASA
Alumni Reception*

Court of Two Sisters
613 Royal Street
New Orleans, LA 70130

October 23, 2022
7:00pm - 10:00pm

CO-HOSTED BY THE ANESTHESIOLOGY DEPARTMENTS AT:
Vanderbilt University Medical Center
Emory University School of Medicine
University of North Carolina at Chapel Hill

Medically Challenging Cases: *Regional Anesthesia in a Patient with Known Local Anesthetic Anaphylaxis that Refuses General Anesthesia*

10:20 a.m. - 10:30 a.m. | Hall C - Monitor 10 | Sara Valek, MD, Andrew Franklin, MD, MBA, Christopher Canlas, MD

Medically Challenging Cases: *Bleeding and Clotting: Management of Thrombectomy Prior to Colectomy*

1:00 p.m. - 1:10 p.m. | Hall C - Monitor 16 | John Johnson, MD, Kathleen Rissi, DO, Kara Siegrist, MD

Snap-Talk: *Recent Updates in Cardiac Surgery-Associated AKI - Standardizing Kidney Injury Staging Systems for Clinical Outcomes in Cardiac Surgical Patients*

1:15 p.m. - 2:15 p.m. | Room 238-239 | David McIlroy, MB.BS, MD, MClInEpi

Snap-Talk: *Recent Updates in Cardiac Surgery-Associated AKI - Hemolysis in Cardiac Surgery Associated AKI: Does Haptoglobin or Acetaminophen Matter?*

1:15 p.m. - 2:15 p.m. | Room 238-239 | Josh Billings, MD, MSCI

Interactive Tutorial: *Cardiac Conundrums: What the Noncardiac Anesthesiologist Needs to Know - My Patient has an LVAD!*

1:15 p.m. - 3:15 p.m. | Room 352 | Miklos Kertai, MD, PhD

Medically Challenging Cases: *Concomitant Off-pump Coronary Artery Bypass Grafting and Liver Transplantation*

1:20 p.m. - 1:30 p.m. | Hall C - Monitor 1 | Ryan LeFevre, MD

Medically Challenging Cases: *Oh Crap! Managing Feculent Aspiration in an Octogenarian*

1:50 p.m. - 2:00 p.m. | Hall C - Monitor 8 | Braden Hestermann, MD

Medically Challenging Cases: *Undifferentiated Shock Following Uncomplicated Neck Dissection and Tracheostomy Placement*

2:50 p.m. - 3:00 p.m. | Hall C - Monitor 5 | Kelsei Keene, MD, Matthew Zapf, MD

Quality Improvement Projects: *Pediatric Anesthesiologists' Perception of Noise in the Operating Room: Results of a Quality Improvement Project*

4:20 p.m. - 4:30 p.m. | Hall C - Monitor 14 | Christy Crockett, MD

Quality Improvement Projects: *Incomplete Postoperative Anesthesia Notes in the Post Anesthesia Care Unit: A Vital Need for Improvement*

4:40 p.m. - 4:50 p.m. | Hall C - Monitor 2 | Christy Crockett, MD, Andrew Resnick, MD

MONDAY, OCTOBER 24

Featured Lectures/Special Meetings: *Transforming Patient-Centered Outcomes Research - ARC's Recommendations to Improve Large Scale Outcomes Research in Anesthesiology*

9:30 a.m. - 10:30 a.m. | Room 243 | Josh Billings, MD, MSCI

Hands-on Workshop: *Geriatric Hip Fractures: Regional Analgesia Techniques and Perioperative Cardiac Assessment - Infrainguinal Fascia Iliaca Block*

9:30 a.m. - 11:00 a.m. | Room 346-347 | Brian Allen, MD

Hands-on Workshop: *Geriatric Hip Fractures: Regional Analgesia Techniques and Perioperative Cardiac Assessment - PENG Block*

9:30 a.m. - 11:00 a.m. | Room 346-347 | Kaylyn Sachse, MD

Medically Challenging Cases: *Inadvertent Intraoperative Exsanguination During Aortic Root Replacement*

10:20 a.m. - 10:30 a.m. | Hall C - Monitor 1 | Veronica D'Ambra, MD, Frederick Lombard, MBChB, FANZCA

Medically Challenging Cases: *What Now?! Resorting to Plan D When Primary, Alternate and Back-up Plans Fail in Complex Burn Patient*

10:50 a.m. - 11:00 a.m. | Hall C - Monitor 20 | Braden Hestermann, MD

Medically Challenging Cases: *Asystole on Emergence from Tympanomastoidectomy*

11:10 a.m. - 11:20 a.m. | Hall C - Monitor 6 | Robert Barnes, MD, Alexander George, MD

Medically Challenging Cases: *Anesthetic Induction and Hemodynamic Challenges in Suboccipital Craniotomy Following Suspected Perioperative Anaphylaxis to Rocuronium*

11:20 a.m. - 11:30 a.m. | Hall C - Monitor 10 | Jessica Clark, DO, Letha Mathews, MBBS

Oral Presentations: *Experimental Circulation - Endothelial Cells Affect Ploxadamer 188-mediated Protection of Cardiomyocytes Against Hypoxia/Reoxygenation Injury*

1:15 p.m. - 2:15 p.m. | Virtual | Matthias Riess, MD, PhD, Matthew Barajas, MD, Takuro Oyama, MD, PhD, Zhu Li, PhD

Snap-Talk: *Global Health and Health Equity for All: From Residency through Retirement - Even a Busy Resident Can Be Involved!*

1:15 p.m. - 2:15 p.m. | Room 224 | Christy Henderson, MD

Featured Lectures/Special Meetings: *Clinical Trials in Anesthesiology: New Findings, New Understanding - Response: Spinal Anesthesia with Targeted Sedation Based on Bispectral Index Values Compared with General Anesthesia with Masked*
1:15 p.m. - 3:15 p.m. | Room 243 | Christopher Hughes, MD

Medically Challenging Cases: *Conservative Management of an Iatrogenic Type A Aortic Dissection During Intra-aortic Balloon Pump Placement Before Heart Transplantation*
2:20 p.m. - 2:30 p.m. | Hall C - Monitor 1 | Anna Eid, MD, Susan Eagle, MD, Ryan Lefevre, MD

Medically Challenging Cases: *Fulminant Disseminated Intravascular Coagulation Pre-Delivery*
2:20 p.m. - 2:30 p.m. | Hall C - Monitor 12 | Maziar Nourian, MD, Matthias Riess, MD, PhD

Snap-Talk: *Complicated Cardiac Patients Presenting for Noncardiac Surgery - How to Manage Them and Who is to Manage Them - Patient with Asymptomatic Aortic Stenosis Presenting for ORIF of Hip Fracture*
2:30 p.m. - 3:30 p.m. | Rivergate Room | Miklos Kertai, MD, PhD

Snap-Talk: *Fluid Management in the OR and the ICU: Controversies and Solutions - Balanced vs. Unbalanced Solutions*
2:30 p.m. - 3:30 p.m. | Room 252-254 | Jonathan Wanderer, MD, MPhil

Medically Challenging Cases: *Considerations for Postoperative Hematoma in Gender Confirming Top Surgery at Ambulatory Surgery Center*
2:40 p.m. - 2:50 p.m. | Hall C - Monitor 9 | Katie Gorman, MD, Eric Briggs, MD, Christopher Canlas, MD

Hands-on Workshop: *Perioperative Resuscitation and Life Support (PeRLS) Simulation Workshop: Anesthesia-Centric ACLS and Beyond*
3:00 p.m. - 5:00 p.m. | Room 343-345 | MODERATORS: Arna Banerjee, MD, MMHC, FCCM, Matthew McEvoy, MD, Douglas Hester, MD, Meredith Kingeter, MD, Kimberly Rengel, MD, Jeremy Walco, MD, Edward Yaghmour, MD; FACULTY: Nathan Ashby, MD, Jeanette Bauchat, MD, MS

Oral Presentations: *Developing Survey for Benchmarking Days Off After Working in the ICU: A Pilot Study*
3:45 p.m. - 4:45 p.m. | Virtual | Antonio Hernandez, MD

Medically Challenging Cases: *Veno-venous Bypass for Significant Systolic Anterior Motion and Left Ventricular Outflow Tract Obstruction During Liver Transplant*
3:50 p.m. - 4:00 p.m. | Hall C - Monitor 3 | Olivia Valencia, MD, Kara Siegrist, MD

Medically Challenging Cases: *Anesthetic Management of a Patient with Congenital Erythropoietic Porphyria for Reconstructive Surgery*

4:00 p.m. - 4:10 p.m. | Hall C - Monitor 3 | Alexandra Cesare, MD, Thomas Romanelli, MD

Medically Challenging Cases: *This Shift Is Bananas! A Report and Discussion of an Emotional Support Monkey and Other Exotic Animals in the Perioperative Period*

4:50 p.m. - 5:00 p.m. | Hall C - Monitor 17 | Ellen Stallings, MD, Kaylyn Sachse, MD

TUESDAY, OCTOBER 25

60 Minute Panel: *Is That Financially Viable?: Billing and Finances of Preoperative Optimization Clinics - Building a Financial Model for Optimization Clinics*

8:45 a.m. - 9:45 a.m. | Room 206-207 | Matthew McEvoy, MD

60 Minute Panel: *Is That Financially Viable?: Billing and Finances of Preoperative Optimization Clinics - Billing E&M Codes for Your Preop Visits*

8:45 a.m. - 9:45 a.m. | Room 206-207 | Kimberly Rengel, MD

Snap-Talk: *Spinal Cord Injury Update - Improving Care and Outcomes - Pathophysiology*

12:15 p.m. - 1:15 p.m. | Room 225-227 | Letha Mathews, MBBS

DEPARTMENT OF ANESTHESIOLOGY

VANDERBILT  UNIVERSITY
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Academic Excellence in Action

This guide represents our department's contribution of over 50 activities at the 2022 ASA Annual Meeting:

18 Medically Challenging Cases

8 Snap-Talks

8 Hands-on Workshops

7 Oral Presentations

4 Featured Abstracts/Poster Presentations

3 Featured Lectures/Special Meetings

2 eAbstracts

2 Quality Improvement Projects

2 60 Minute Panels

1 Interactive Tutorial

1 Subspecialty Panel

1 Resident/Fellow Session

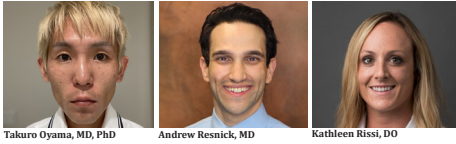
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2022 PARTICIPANTS - FACULTY



2022 PARTICIPANTS - FELLOWS



2022 PARTICIPANTS - RESIDENTS



2022 PARTICIPANTS - STAFF

