

# ANESTHESIOLOGY 2018

SAN FRANCISCO

OCTOBER 13-17 

**ASA AND RELATED MEETINGS COMPANION**

American Society of  
Anesthesiologists 



DEPARTMENT OF ANESTHESIOLOGY

VANDERBILT  UNIVERSITY

MEDICAL CENTER

## Message from the Chair



Congratulations to this year's 2018 ASA participants! Herein, we have compiled a guide to Vanderbilt's activities at the ANESTHESIOLOGY® 2018 annual meeting. To the many contributing Vanderbilt University Medical Center faculty, CRNAs, residents, fellows and staff, whether you're here at the meeting or on campus in Nashville tending our fundamental clinical mission, Thank you.

The ANESTHESIOLOGY® 2018 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.

To those of you who are fortunate enough to attend the meeting, enjoy the time in San Francisco. 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

## Related Meetings/Events

### Society for Neuroscience in Anesthesiology and Critical Care

October 10 | 12:30 pm - 2:30 pm

Golden Gate Foyer - Foothill D

Career Development Session for Clinician Educators

*Jane Easdown, MD*

### Uniformed Services Society of Anesthesiologists (USSA) / Association of Veterans' Affairs

### Anesthesiologists (AVAA) Annual Academic Meeting

October 12 | 2:00 pm - 5:00 pm

Hilton San Francisco Union Square Hotel - Continental 4

Afternoon Workshops

*Ann Walia, MBBS*

## Meet and Greet: Residency and Fellowship Programs

Saturday, October 13, 2018

3:30 pm - 6:00 pm

Moscone Convention Center  
West, Level 1, Exhibit Hall



# Saturday, October 13

ACTIVITY	PARTICIPANTS	NOTES
<i>Self Study Program: Postoperative Delirium</i> <b>7:00 am - 5:00 pm   South Lobby</b>	<b>Christopher Hughes, MD</b>	
<i>Self Study Program: Aortic Valve Replacement in 2018: State of the Art and Future Directions</i> <b>7:00 am - 5:00 pm   South Lobby</b>	<b>Miklos Kertai, MD, PhD</b>	
<i>e-Abstract Presentations: Information Management and Database Research</i> <b>10:30 am - 12:30 pm   North, Hall D, Area E</b>	<b>Robert Freundlich, MD, MS (moderator)</b> <b>Jonathan Wanderer, MD, MPhil (moderator)</b>	
<i>Problem-Based Learning Discussions: It's Just a Cataract: How a Simple Thing Can Go Bad</i> <b>11:00 am - 12:00 pm   North, Room 23</b>	<b>Michael Pilla, MD</b>	
<i>120 Minute Panel: Case Presentations of AACLS: What would you do?</i> <b>1:15 pm - 3:15 pm   West, Room 2006</b>	<b>Arna Banerjee, MBBS</b>	
<i>120 Minute Panel: Attacks and Defenses: Data Security Concepts and Applications</i> <b>1:15 pm - 3:15 pm   West, Room 2011</b>	<b>Brian S. Rothman, MD</b>	
<i>Resident and Fellow Sessions: Global Health Opportunities for Residents</i> <b>1:45 pm - 2:15 pm   South, Room 305</b>	<b>Kelly McQueen, MD, MPH</b>	
<i>Medically Challenging Cases: NMDA Antagonism for Intractable Muscle Spasm in Neuromyelitis Optica</i> <b>2:20 pm - 2:30 pm   North, Hall D</b>	<b>Christopher Lensing, MD</b> <b>David Edwards, MD, PhD</b>	
<i>Medically Challenging Cases: Medical Futility: Balancing Staff Safety and Patient Advocacy When Withdrawing Medically Inappropriate Treatment</i> <b>3:00 pm - 3:10 pm   North, Hall D</b>	<b>Sarada Eleswarpu, MD, Joseph Schlesinger, MD</b>	
<i>Medically Challenging Cases: Uterine Rupture in the Setting of Repeat Vaginal Birth after Cesarean</i> <b>3:00 pm - 3:10 pm   North, Hall D</b>	<b>Sara LaRosa, MD</b>	
<i>Medically Challenging Cases: Labor Epidural Management in the Setting of Spinal Cord Injury</i> <b>3:10 pm - 3:20 pm   North, Hall D</b>	<b>Sara LaRosa, MD</b>	
<i>Medically Challenging Cases: A Curiosity Provoked Complex Regional Pain Syndrome Type 2 Following Prolonged Loss of Consciousness</i> <b>3:20 pm - 3:30 pm   North, Hall D</b>	<b>Simon Martin, MD, Christopher Sobey, MD</b>	
<i>Clinical Forum: Special Considerations for International Pain Management in the Pediatric Patient</i> <b>3:45 pm - 4:45 pm   West, Room 2006</b>	<b>Stephen Hays, MD</b>	

# Sunday, October 14

ACTIVITY	PARTICIPANTS	NOTES
<i>Self Study Program: Postoperative Delirium</i> <b>7:00 am - 5:00 pm   South Lobby</b>	<b>Christopher Hughes, MD</b>	
<i>Self Study Program: Aortic Valve Replacement in 2018: State of the Art and Future Directions</i> <b>7:00 am - 5:00 pm   South Lobby</b>	<b>Miklos Kertai, MD, PhD</b>	
<i>Medically Challenging Cases: Session MCC03</i> <b>7:30 am - 9:30 am   North, Hall D</b>	<b>Letha Mathews, MBBS (moderator)</b>	
<i>Medically Challenging Cases: Cystoscopy and a Vascular Surprise</i> <b>7:40 am - 7:50 am   North, Hall D</b>	<b>Anna Hartzog, MD, Laura Sorabella, MD</b>	
<i>Medically Challenging Cases: Concurrent Stroke and Myocardial Infarction: A Balanced Approach to Management</i> <b>7:50 am - 8:00 am   North, Hall D</b>	<b>Lauren-Nicole Geib, MD, Tracy McGrane, MD, MPH</b>	
<i>Subspecialty Panels: New Tools to Succeed in 2019 and Beyond</i> <b>8:00 am - 10:00 am   West, Room 301</b>	<b>Jeanette Bauchat, MD, MS</b>	
<i>Problem-Based Learning Discussions: Massive Aspiration and Acute Respiratory Failure: What Preventative and Treatment Strategies Do We Have?</i> <b>8:00 am - 9:00 am   North, Room 23</b>	<b>Christopher Hughes, MD, Christina Boncyk, MD</b>	
<i>Hands-on Workshop: Perioperative ACLS Simulation Workshop</i> <b>9:00 am - 12:00 pm   West, Room 3005</b>	<b>Arna Banerjee, MBBS (moderator), Nathan Ashby, MD, Jeanette Bauchat, MD, MS, Douglas Hester, MD, Adam King, MD, J. Matthew Kynes, MD, Matthew McEvoy, MD, Stuart McGrane, MBChB, MSCI, Tracy McGrane, MD, MPH</b>	
<i>e-Abstract Presentations: History and Education</i> <b>10:00 am - 12:00 pm   North, Hall D, Area E</b>	<b>Amy Robertson, MD (moderator)</b>	
<i>Medically Challenging Cases: Neurologic Anesthesia Consideration for Repair of a Recto-Thecal Fistula (Currarino Syndrome)</i> <b>10:10 am - 10:20 am   North, Hall D</b>	<b>Andrew Maynard, MD, Letha Mathews, MBBS</b>	
<i>e-Abstract Presentations: Spaced Education and Intraoperative Transfusion Practices</i> <b>10:30 am - 11:00 am   North, Hall D, Area E</b>	<b>Leslie Fowler, MEd, Matthew McEvoy, MD, Amy Robertson, MD</b>	
<i>Medically Challenging Cases: Erector Spinae Nerve Catheters for Bilateral Rib Fracture Pain in a Patient Who Received Enoxarin</i> <b>10:40 am - 10:50 am   North, Hall D</b>	<b>Rachel Wood, MD, Rajnish Gupta, MD</b>	
<i>60 Minute Panel: Neuraxial Morphine Consensus Statement</i> <b>11:00 am - 12:00 pm   West, Room 2010</b>	<b>Jeanette Bauchat, MD, MS</b>	
<i>Medically Challenging Cases: Anesthetic Considerations in a Patient with Severe Pulmonary Hypertension Presenting for Posterior Lumbar Fusions</i> <b>11:20 am - 11:30 am   North, Hall D</b>	<b>Bethany Morris, MD, Stuart McGrane, MBChB, MSCI</b>	
<i>eAbstract Presentations: Is Learner-initiated Feedback Better than Educator-driven Feedback?</i> <b>11:30 am - 12:00 pm   North, Hall D, Area E</b>	<b>Amy Robertson, MD, Leslie Fowler, MEd</b>	

# Sunday, October 14

## ACTIVITY

## PARTICIPANTS

## NOTES

*Medically Challenging Cases:* Airway Management of a Patient with Anterior Chest Mass

**11:50 am - 12:00 pm | North, Hall D**

Lucille Bruncker, MD, Paul St. Jacques, MD

*Medically Challenging Cases:* New Onset Systemic Lupus Erythematosus in a Patient with Airway Compromise

**1:00 pm - 1:10 pm | North, Hall D**

Austin Woolard, MD, Kirsten Lee, MD,  
Britany Raymond, MD, Laura Sorabella, MD

*e-Abstract Presentations:* Effects of Intraoperative Estimated Blood Loss and Fluid Resuscitation on the Timing of Postoperative Rapid Response Team Activation

**1:00 pm - 1:30 pm | North, Hall D, Area D**

Dorothee Mueller, MD, Liza Weavind, MBBCh, MMHC,  
Robert Freundlich, MD, MS

*120 Minute Panel:* Anesthesiology in the ElectroPhysiology Lab 2018: Key Things You Should Know

**1:15 pm - 3:15pm | West, Room 2011**

Miklos Kertai, MD, PhD

*120 Minute Panel:* Expanding Non-Physician Anesthesia Providers in East Africa: Challenges and Roles for International Academic Partnership

**1:15 pm - 3:15 pm | West, Room 2011**

Mark Newton, 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

**1:15 pm - 2:15 pm | North, Room 23**

Michael Pilla, MD

*Subspecialty Panels:* Entrepreneurship: Experiences of an Anesthesiologist

**1:15 pm - 3:15 pm | West, Room 3001**

Mark Rice, MD

*Hands-On Workshop:* Perioperative ACLS Simulation Workshop

**1:15 pm - 4:15 pm | West, Room 3005**

Arna Banerjee, MBBS (moderator), Nathan Ashby, MD,  
Jeanette Bauchat, MD, MS, Douglas Hester, MD,  
Adam King, MD, J. Matthew Kynes, MD, Matthew McEvoy, MD  
Stuart McGrane, MBChB, MSCI, Tracy McGrane, MD, MPH

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# 2018 ASA Reception

*San Francisco*

Sunday, October 14, 2018  
Yacht Name: Cabernet Sauvignon  
Boarding Location: King and 2nd Street  
China Basin behind AT&T park  
Boarding Time: 6pm  
Dockside Time: 6pm - 7pm  
Cruise on San Francisco Bay: 7pm - 8:30pm  
Dockside Time: 8:30pm - 9:30pm

For more information: [elma.alukic@vumc.org](mailto:elma.alukic@vumc.org)

# Sunday, October 14 (continued)

ACTIVITY	PARTICIPANTS	NOTES
<i>Medically Challenging Cases:</i> Combined Heart-Liver Transplant in a Post-Fontan Patient <b>1:20 pm - 1:30 pm   North, Hall D</b>	Kyle Jones, MD, Michael Pilla, MD	
<i>Seminar:</i> Examples and Best Practices for Data Visualization in Anesthesiology <b>1:15 pm - 4:15 pm   West, Room 3018</b>	Jonathan Wanderer, MD, MPhil	
<i>Medically Challenging Cases:</i> Anesthetic Management of a Pediatric Patient with a Suspected Recurrent Tracheoesophageal Fistula and Aspiration Pneumonia <b>2:40 pm - 2:50 pm   North, Hall D</b>	Katherine Williams, DO, Christy Crockett, MD, Carrie Menser, MD	
<i>Medically Challenging Cases:</i> Nutcracker Syndrome and Lower Back Pain: A Rare Condition with a Common Symptom <b>3:50 pm - 4:00 pm   North, Hall D</b>	Christopher Tufts, MD, Daniel Lonergan, MD	

# Monday, October 15

ACTIVITY	PARTICIPANTS	NOTES
<i>Self Study Program:</i> Postoperative Delirium <b>7:00 am - 5:00 pm   South Lobby</b>	Christopher Hughes, MD	
<i>Self Study Program:</i> Aortic Valve Replacement in 2018: State of the Art and Future Directions <b>7:00 am - 5:00 pm   South Lobby</b>	Miklos Kertai, MD, PhD	
<i>Hands-On Workshop:</i> Ultrasound-Guided Regional Anesthesia and Clinical Skills Workshop: Introduction to UGRA for Beginners <b>9:00 am - 12:00 pm   West, Room 3006</b>	Uma Shastri, MD	
<i>Oral Presentations:</i> Equipment, Monitoring and Engineering Technology <b>10:30 am - 12:00 pm   North, Room 22</b>	Mark Rice, MD (moderator)	
<i>Medically Challenging Cases:</i> Anesthesiologist's Role in Acute Fatty Liver of Pregnancy <b>11:10 am - 11:20 am   North, Hall D</b>	Lauren Poe, DO, Lara Sorabella, MD, Jeanette Bauchat, MD, MS	
<i>e-Abstract Presentations:</i> Managing Equipment in the Perioperative Space: A Needs Assessment <b>1:00 pm - 1:30 pm   North, Hall D, Area A</b>	Bethany Morris, MD, Leslie Fowler, MEd, Merrick Miles, MD	
<i>Medically Challenging Cases:</i> Compartment Syndrome After Prolonged Robotic Hysterectomy in Lithotomy Position <b>1:10 pm - 1:20 pm   North, Hall D</b>	Shaun Kuoni, MD, Jason Quevreaux, MD, Lane Crawford, MD	
<i>Abstract Group Discussions:</i> Question of the Day: Engaging Medical Students with Spaced Learning <b>1:15 pm - 2:45 pm   North, Room 21</b>	Amy Robertson, MD, Leslie Fowler, MEd	
<i>Hands-on Workshop:</i> Ultrasound-Guided PEC1, PEC2, and Serratus Anterior Blocks <b>1:15 pm - 4:15 pm   West, Room 3006</b>	Brian Allen, MD	

# Monday, October 15

ACTIVITY	PARTICIPANTS	NOTES
<p><i>Medically Challenging Cases:</i> Expanding Waistline and Expanding Aorta: Balancing the Competing Physiologic Priorities of Aortic Dissection and Pregnancy  <b>1:40 pm - 1:50 pm   North, Hall D</b></p>	<p><b>Britany Raymond, MD, Susan Dumas, MD, Jeanette Bauchat, MD, MS</b></p>	
<p><i>Medically Challenging Cases:</i> Use in a Patient with Vasoplegia and Contraindications to Methylene Blue  <b>2:10 pm - 2:20 pm   North, Hall D</b></p>	<p><b>Katheryne Lawson, MD</b></p>	
<p><i>Medically Challenging Cases:</i> Challenges with Modified Fontan Re-Operation  <b>2:20 pm - 2:30 pm   North, Hall D</b></p>	<p><b>Daniella DiNizo, MD, MPH, Miklos Kertai, MD, PhD</b></p>	
<p><i>Medically Challenging Cases:</i> Pulmonary Emboli Despite Prophylaxis in the Neurological ICU: A Case Series  <b>2:50 pm - 3:00 pm   North, Hall D</b></p>	<p><b>Simon Martin, MD, Avinash Kumar, MD</b></p>	
<p><i>Clinical Forum:</i> Masses with Hemodynamic Consequences  <b>3:45 pm - 4:45 pm   West, Room 2006</b></p>	<p><b>Miklos Kertai, MD, PhD</b></p>	
<p><i>Problem-Based Learning Discussions:</i> It's Just a Cataract: How a Simple Thing Can Go Bad  <b>3:45 pm - 4:45pm   North, Room 23</b></p>	<p><b>Michael Pilla, MD</b></p>	
<p><i>Medically Challenging Cases:</i> H.E.L.L.P. The Headache  <b>3:50 pm - 4:00 pm   North, Hall D</b></p>	<p><b>Erica Adkins, MD, Brian Allen, MD</b></p>	
<p><i>Medically Challenging Cases:</i> Large Volume Sulfuric Acid Burns: A Complex Resuscitation and Intensive Care Admission  <b>4:30 pm - 4:40 pm   North, Hall D</b></p>	<p><b>Amy Zhang, MD, Avinash Kumar, MD</b></p>	
<p><i>Medically Challenging Cases:</i> Learning from a Sentinel Case of Myasthenia Gravis: How a Rare Disease, Inconsistent Compliance, Can Drain Healthcare Resources  <b>4:40 pm - 4:50 pm   North, Hall D</b></p>	<p><b>Melissa McKittrick, MD, Avinash Kumar, MD</b></p>	

# Tuesday, October 16

ACTIVITY	PARTICIPANTS	NOTES
<p><i>Self Study Program:</i> Postoperative Delirium  <b>7:00 am - 5:00 pm   South Lobby</b></p>	<p><b>Christopher Hughes, MD</b></p>	
<p><i>Self Study Program:</i> Aortic Valve Replacement in 2018: State of the Art and Future Directions  <b>7:00 am - 5:00 pm   South Lobby</b></p>	<p><b>Miklos Kertai, MD, PhD</b></p>	
<p><i>120 Minute Panel:</i> Optimizing Fluids and Hemodynamics in the Postoperative Period for Prevention and Mitigation of Acute Kidney Injury  <b>7:15 am - 9:15 am   West, Room 2008</b></p>	<p><b>Fredric Billings, MD</b></p>	
<p><i>e-Abstract Presentations:</i> Association of Anesthesiology Program Administrators and Educators, A Community Practice  <b>8:00 am - 10:00 am   North, Hall D, Area E</b></p>	<p><b>Leslie Fowler, MEd</b></p>	

# Tuesday, October 16 (continued)

ACTIVITY	PARTICIPANTS	NOTES
<i>Problem-Based Learning Discussions: Is My Patient Suitable for Ambulatory Outpatient Shoulder Surgery? How to Balance Morbid Obesity, Obstructive Sleep Apnea, Diabetes, and Opiates in the Ambulatory Surgical Patient</i> <b>8:30 am - 9:30 am   North, Room 23</b>	<b>Michael Pilla, MD</b>	
<i>Seminar: Graphics to Explore Large Anesthesia Data Sets and Your Practice</i> <b>9:00 am - 12:00 pm   West, Room 3018</b>	<b>Jonathan Wanderer, MD, MPhil</b>	
<i>60 Minute Refresher Course Lecture: Postoperative Delirium: The Known Knowns, Known Unknowns, and Unknown Unknowns</i> <b>9:45 am - 10:45 am   West, Room 2022</b>	<b>Christopher Hughes, MD (moderator)</b>	
<i>Hands-On Workshop: Simulation Experience for Crisis Management and Team Training</i> <b>1:15 pm - 4:15 pm   West, Room 3006</b>	<b>Arna Banerjee, MBBS</b>	
<i>e-Abstract Presentations: Experimental Circulation</i> <b>1:30 pm - 3:30 pm   North, Hall D, Area E</b>	<b>Matthias Riess, MD, PhD</b>	
<i>Problem-Based Learning Discussions: Massive Aspiration and Acute Respiratory Failure: What Preventative and Treatment Strategies Do We Have?</i> <b>3:45 pm - 4:45 pm   North, Room 23</b>	<b>Christopher Hughes, MD, Christina Boncyk, MD</b>	
<i>60 Minute Panel: Treatment Options for Mitral Valve Disease</i> <b>3:45 pm - 4:45 pm   West, Room 2008</b>	<b>Mias Pretorius, MBChB, MSCI (moderator)</b>	
<i>60 Minute Panel: Your Patient has Moderate Aortic Stenosis - Should She Be Sent for Transcatheter Aortic Valve Implantation First?</i> <b>3:45 pm - 4:45 pm   West, Room 2008</b>	<b>Frederick Lombard, MBChB</b>	

# Wednesday, October 17

ACTIVITY	PARTICIPANTS	NOTES
<i>Self Study Program: Aortic Valve Replacement in 2018: State of the Art and Future Directions</i> <b>7:00 am - 5:00 pm   South Lobby</b>	<b>Miklos Kertai, MD, PhD</b>	
<i>60 Minute Panel: Point-of-care Ultrasound: Training, Education, and Clinical Implementation</i> <b>8:00 am - 9:00 am   West, Room 2022</b>	<b>Antonio Hernandez, MD</b>	
<i>60 Minute Panel: Symptomatic Aortic Stenosis is Scheduled for Hip Replacement</i> <b>8:00 am to 9:00 am   West, Room 3000</b>	<b>Miklos Kertai, MD, PhD</b>	
<i>60 Minute Panel: PTSD After ICU Stay: Risk Factors</i> <b>8:00 am - 9:00 am   West, Room 2010</b>	<b>Pratik Pandharipande, MD, MSCI</b>	
<i>60 Minute Panel: Creation and Validation of a Database to be Used for Quality Improvement and Clinical Research Projects</i> <b>9:15 am - 10:15 am   West, Room 2004</b>	<b>Jonathan Wanderer, MD, MPhil</b>	





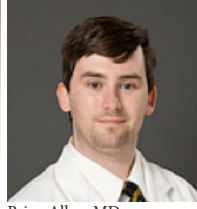
# NOTES

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# Department of Anesthesiology: 2018 ASA Participants



Warren S. Sandberg, MD, PhD  
Chair,  
Department of Anesthesiology



Brian Allen, MD



Nathan Ashby, MD



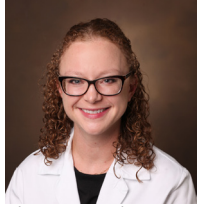
Arna Banerjee, MBBS



Jeanette Bauchat, MD, MS



Frederic Billings, MD, MSCI



Christina Boncyk, MD



Lane Crawford, MD



Christy Crockett, MD



Susan Dumas, MD



Jane Easdown, MD



David Edwards, MD, PhD



Leslie Fowler, MEd



Robert Freundlich, MD, MS



Rajnish Gupta, MD



Stephen Hays, MD



Antonio Hernandez, MD



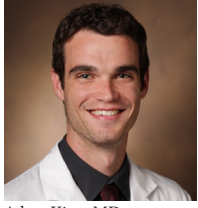
Douglas Hester, MD



Christopher Hughes, MD



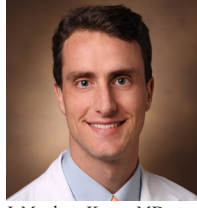
Miklos Kertai, MD, PhD



Adam King, MD



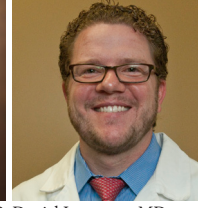
Avinash Kumar, MD



J. Matthew Kynes, MD



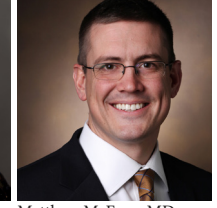
Frederick Lombard, MBChB



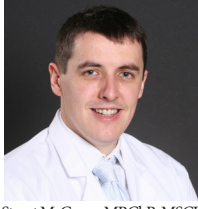
Daniel Lonergan, MD



Letha Mathews, MBBS



Matthew McEvoy, MD



Stuart McGrane, MBChB, MSCI



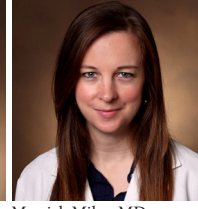
Tracy McGrane, MD, MPH



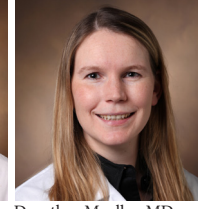
Kelly McQueen, MD, MPH



Carrie Menser, MD



Merrick Miles, MD



Dorothee Mueller, MD



Mark Newton, MD



Pratik Pandharipande, MD, MSCI



Michael Pilla, MD



Mias Pretorius, MBChB, MSCI



Britany Raymond, MD



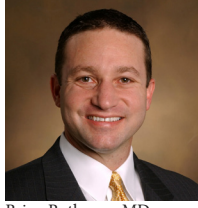
Mark Rice, MD



Matthias Riess, MD, PhD



Amy Robertson, MD



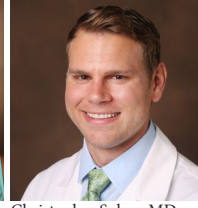
Brian Rothman, MD



Joseph Schlesinger, MD



Uma Shastri, MD



Christopher Sobey, MD



Laura Sorabella, MD



Paul St. Jacques, MD



Ann Walia, MBBS

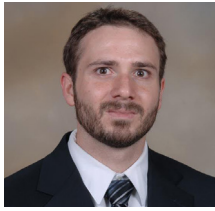


Jonathan Wanderer, MD, MPhil



Liza Weavind, MBBCh, MMHC

## Fellow



Jason Quevreaux, MD

## Residents



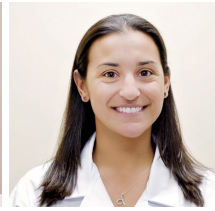
Erica Adkins, MD



Lucy Brunker, MD



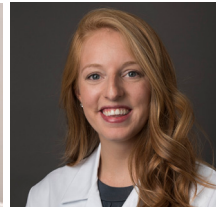
Jared Cummings, MD



Daniella DiNizo, MD, MPH



Sarada Eleswarpu, MD



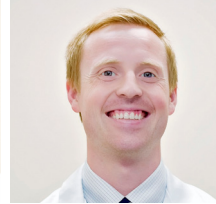
Lauren-Nicole Geib, MD



Anna Hartzog, MD



Kyle Jones, MD



Shaun Kuoni, MD



Sara LaRosa, MD



Katheryne Lawson, MD



Kirsten Lee, MD



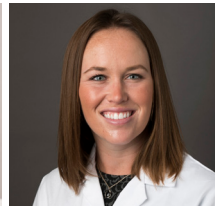
Chris Lensing, MD



Simon Martin, MD



Andrew Maynard, MD



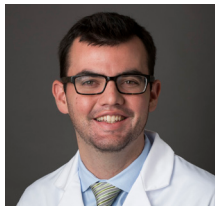
Melissa McKittrick, MD



Bethany Morris, MD



Lauren Poe, DO



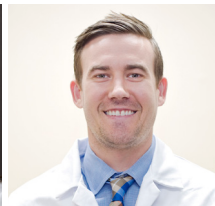
Christopher Tufts, MD



Katherine Williams, DO



Rachel Wood, MD



Austin Woolard, MD



Amy Zhang, MD

## Academic Excellence in Action

This guide represents our department's contribution of over 70 activities at the 2018 ASA and related meetings, including:

- 9 Self Studies
- 1 Resident/Fellow Session
- 2 Seminars
- 2 Special Meetings/Events
- 1 Oral Presentation
- 1 Refresher Course
- 6 Problem Based Learning Discussions
- 13 Panel Discussions
- 5 Hands On Workshops
- 9 e-Abstract Presentations/Discussions
- 2 Clinical Forums
- 24 Medically Challenging Cases

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