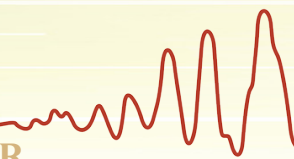


# AM

## ANESTHESIA MONITOR



### DEPARTMENT OF ANESTHESIOLOGY

VANDERBILT UNIVERSITY  
MEDICAL CENTER

Department News | Summer 2017

#### MESSAGE FROM THE CHAIR



Warren S. Sandberg, MD, PhD

The dog days of summer here at Vanderbilt University Medical Center bring more than just the heat but also a hot new academic year. Over the summer we have welcomed new classes of students, residents and fellows. New faculty and staff have also

kicked off their VUMC careers. The department has been full of new faces this summer.

Along with new faces, we continue to expand the boundaries of our clinical services and innovations. I am sure you've heard about Vanderbilt University Medical Center performing its first dual heart and liver transplant surgery in late June. Drs. Willem Lombard, Michael Pilla and Kelly Kohorst were a part of the team that gave U.S. Coast Guard veteran Michael Wilcher a new heart and liver. Also in the news, the Critical Care Division spun up VUMC's first ever eICU program, reaching out to Kentucky's Jennie Stuart Hospital to inaugurate a new Vanderbilt Health Affiliated Network program.

A "congratulations" and "thank you" to Dr. Amy Robertson for taking on the role of Associate Vice Chair for Clinical Affairs, and to Dr. Michael Pilla for taking on the new role of Associate Division Chief, Multispecialty Adult Anesthesiology. Amy and Michael will work with Dr. Mark Rice on clinical enterprise and general anesthesiology leadership. The department and faculty's accomplishments have been numerous since the last issue of the *Monitor*, and these specific mentions are just a sample.

At the institutional level, Vanderbilt University Medical Center has once again been named the number one hospital in Tennessee and among the country's finest providers of adult specialty care by *U.S. News & World Report*. We're

extending that clinical umbrella over more patients over the next several years through a series of strategic building projects that are adding bustle and the sound of progress all over campus.

The *EpicLeap* development team are systematically moving through the thousands of tasks involved in building VUMC's new EMR. Befitting a new start of the academic year, it's time for everyone to begin training! Take a break to read about our annual events over the next few pages, such as the Dr. James Phythyon Endowed Lectureship, the VIA Fundraiser, the Research Symposium and our Annual Recognition & Awards Ceremony. These events are important, as they showcase our department's continuing excellence and efforts.

## Phythyon lecture focuses on pediatric spine fusion

The 12th annual Dr. James Phythyon Endowed Lectureship in Pediatric Anesthesiology took place on Monday, May 19, 2017, and featured Dolores Njoku, MD.

The focus of the lectureship was on understanding the outcomes from pediatric spine fusion.

Dr. Njoku is an associate professor of anesthesiology and critical care medicine, pathology, and pediatrics at Johns Hopkins University School of Medicine in Baltimore, MD. She also serves as the director of the Pediatric Anesthesiology Fellowship program.

She is the founder and director of PEDI-20, which is a novel pediatric anesthesiology educational/training program at Johns Hopkins. She's also the vice chair of programs for the Foundation for Anesthesia Education and Research and a member of several professional organizations.



#### In this issue:

Dr. James Phythyon Endowed Lectureship | 1

Annual Research Symposium | 2

Annual Recognition and Awards Ceremony | 3

Department Staff Credo Award | 4

New Hires | 6

VIA Fundraiser | 10

Recent Publications | 11

OFFICE OF THE CHAIR  
1211 21ST AVENUE SOUTH  
722 MAB  
NASHVILLE, TN 37212

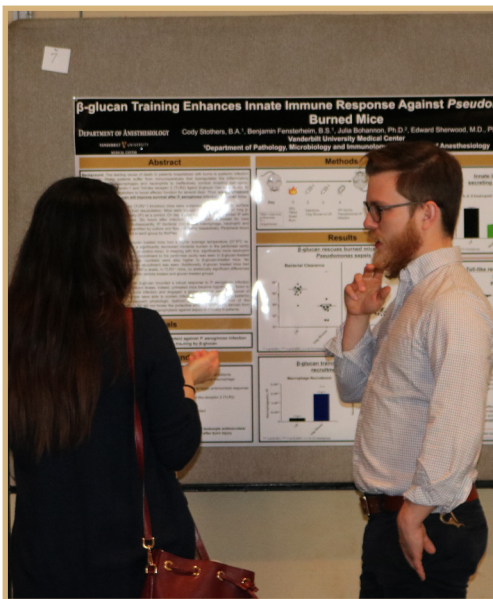
615-936-1595

[www.vandydreamteam.com](http://www.vandydreamteam.com)

Twitter: @VUMC\_Anes

# Department hosts 13th Annual Research Symposium

The 13th Annual Research Symposium was held on Friday, April 28, 2017. The symposium highlights the current research of our clinical investigators, our translational investigators and our basic scientists. The featured speaker was Jean-Francois Pitett, MD, who holds many professional titles, including Editor-in-Chief of *Anesthesia & Analgesia*. The topic of his lecture was blood transfusions, coagulation abnormalities and severe trauma.



## Award Recipients

<p><b>Charles Bernard Pittenger Prize for Basic Science Research</b>  <b>Brad Grueter, PhD</b></p> <p><b>Charles Bernard Pittenger Prize for Clinical Translational Research</b>  <b>Christopher Hughes, MD</b></p> <p><b>Charles Bernard Pittenger Prize for Health Services &amp; Informatics Research</b>  <b>Jesse Ehrenfeld, MD</b></p> <p><b>Charles Bernard Pittenger Prize for Education &amp; Quality Improvement Research</b>  <b>Matthew McEvoy, MD</b></p>	<p><b>Roger England Research Award for Excellence in Support of Basic and Clinical Science</b>  <b>Liming Luan, PhD</b></p> <p><b>Bradley Smith Mentorship Award</b>  <b>Yandong Jiang, MD, PhD</b></p> <p><b>Best Oral Presentation</b>  <b>Bianca Flores, BS</b></p> <p><b>Best Poster Presentation</b>  <b>Michele Salzman, BS</b></p> <p><b>Best Poster Presentation</b>  <b>Daniel Kashima, M&amp;STP Student</b></p>
--	--



# Annual Recognition & Awards Ceremony



On Friday, June 16, 2017, our department held its annual Recognition & Awards Ceremony, which celebrates the notable accomplishments and outstanding efforts of faculty and residents.

Congratulations to Mark Rice, MD, for receiving the Volker I. Striepe Award for the second year in a row, for excellence in teaching. Yandong Jiang,

MD, PhD, received the B.E. Smith Mentorship Award for demonstrating excellence in mentoring a fellow department member.

The James Tayloe Gwathmey Award, which is given to a medical student for exceptional academic potential entering the specialty of anesthesiology, was awarded to Monica Bhutiani, MD.



## DEPARTMENT OF ANESTHESIOLOGY

VANDERBILT UNIVERSITY  
MEDICAL CENTER

### Annual Recognition & Awards Ceremony

<p><b>Recipients</b>                  Brian Allen                  Mary DiMiceli-Zsigmond                  Shannon Kilkelly                  Adam King</p> <p>Mark Rice</p> <p>Monica Bhutiani</p> <p><b>Recipients</b>                  Britany Raymond                  Matthew Parks                  Britany Raymond                  Louise Alexander                  Mark Bombulie                  Brad Kook                  Matthew Parks                  Andrea Keohane                  Meredith Kingeter                  Britany Raymond                  Brad Kook                  Louise Alexander                  Brad Kook &amp; Britany Raymond                  Louise Alexander</p> <p>Mark Jensen, Brad Kook, David Gruner</p> <p><b>Recipients</b>                  Shawnee Brenkman                  David Coggin                  Alan Hendon                  Jackie McLean</p> <p>Yandong Jiang</p> <p>Puneet Mishra</p>	<p><b>Awards</b>                  Golden Apple</p> <p>Volker I. Striepe Award</p> <p>James Tayloe Gwathmey Award</p> <p><b>Resident Awards</b>                  Pain Medicine                  Regional Anesthesia                  Ambulatory Anesthesia                  Critical Care Medicine                  QMML Award - Excellence in Quality and Safety                  Adult Multispecialty Anesthesia                  Hepato-Vascular                  Neuroanesthesia                  Cardiothoracic Anesthesia                  Cardiovascular, Veterans Affairs                  Perioperative Anesthesia                  Pediatric Anesthesia                  Obstetric Anesthesia                  Resident Teacher of the Year</p> <p>Chief Resident Awards</p> <p><b>CRNA Awards</b>                  CRNA Instructor of the Year                  Anesthesia Tech of the Year                  CRNA Clinical Excellence Award-Junior                  CRNA Clinical Excellence Award-Senior</p> <p>B.E. Smith Mentorship Award</p> <p>Vice Chairs' Award</p>
--	--

## Department Spotlight: Celebrating Departmental Accomplishments

**Dr. Brian Allen** and previous fellows, **Dr. Jeffery Clemmons** and **Dr. Brandon Rein**, represented the department's newly ACGME accredited Regional Anesthesia and Acute Pain Medicine Fellowship at ASRA's 42nd Annual Regional Anesthesiology and Acute Pain Medicine Meeting in San Francisco, California.

Our department presented 10 abstracts (of the 41 total abstracts accepted) at the 32nd annual meeting of the Society for Ambulatory Anesthesia (SAMBA).

•**Dr. Vik Bansal** presented four abstracts during the moderated poster sessions and was invited to sit on the Regional Committee.

•**Dr. Louise Alexander** was unable to attend the meeting, but **Dr. Katherine Dobie** presented her work "Sterile Gloves for ultrasound-guided peripheral nerve blocks - time to re-evaluate?", which received 3rd place for "Excellence and Innovation in Research."

•**Dr. Jane Brock** presented three abstracts and continues to serve on the SCOR committee.

•**Dr. Katherine Dobie** presented two abstracts, will sit on the Scientific Papers Committee, and will serve as co-moderator for the poster sessions next year.

•Congratulations to all the first authors who sent abstracts (those not mentioned above: Dr. Eric Briggs, Dr. Stephen Harvey, Jordan C. Miller, CRNA, Dr. Chris Sobey and Dr. Chris Canlas).

**Dr. E. Jane Brock** has been appointed by Governor Haslam to the Tennessee Department of Health Board for Licensing Health Care Facilities now through June 2020.

**Dr. Peter Chin** has been promoted to Associate Professor of Clinical Anesthesiology.

**Dr. Jesse Ehrenfeld** has been promoted to Professor of Anesthesiology. He was senior author on a study, "Demographic Predictors of NPO Violations in Elective Pediatric Surgery," that has been selected for the 2017 Mary Hanna Memorial Journalism Award from the *Journal of PeriAnesthesia Nursing*. First author on the article was Betsy Beazley, RN, CPN, from Monroe Carell Jr. Children's Hospital at Vanderbilt. Articles considered for this award were published during the 2016 volume year. Each published article was considered by a panel of perianesthesia nurses and independent reviewers from other specialties. Selection criteria included journalistic style, originality, clarity of expression, relevance of content to the specialty and overall contribution to the collection of published nursing knowledge.

The department was well-represented at the annual meeting of the Society for Obstetric Anesthesia and Perinatology (SOAP). Posters were presented by faculty, residents and four former, current, and future fellows.

•**Dr. Holly Ende's** poster, "The impact of labor prior to cesarean delivery on postoperative pain and opioid consumption," received a Top 15 Research Poster Award.

•**Dr. Michael Richardson's** poster, "Opioid prescription/patient use mismatch: prospective cohort study of post-discharge opioid use following cesarean," received the Patient Safety Award and a Top 15 Research Poster Award.

**Dr. Andrew Franklin** has been appointed to serve as an adjunct member on three ASA committees: ASA Committee on Pediatric Anesthesia, ASA Educational Track Subcommittee on Pediatric Anesthesia and ASA Review Subcommittee on Pediatric Anesthesia.

**Dr. Robert Freundlich** was accepted into the VUMC Faculty Research Scholars Program (VUMC's internal K-award program).

**Dr. Raj Gupta** served on the Social Media Committee for the Spring 2017 meeting of the American Society of Regional Anesthesia and Pain Medicine. (ASRA), where he hosted Facebook Live interviews with meeting attendees.

At the 2017 annual meeting of the American Society for Enhanced Recovery (ASER), **Dr. Brittany Raymond** presented her abstract titled "An Evaluation of Patients' Perceptions Regarding Use of the ACS NSQIP Surgical Risk Calculator During Preoperative Risk Discussion."

**Dr. Douglas Hester** is taking on the role of Resident Simulation Director. Hester said when he thinks about the future of the Simulation Education program, he is most excited about continuing the great work so many have done to assist our residents.

**Rachel Herrmann** has been promoted to Senior Financial Analyst.

**Julie Kapelan** has advanced to a CSL position on day shift. Julie will assist with the onboarding and training of our new staff on dayshift. Julie will also be able to assist with IGEM recerts.

**Judy Lashbrook** has been promoted to Business Process Manager.

**Dr. Marcos Lopez** and **Dr. Christina Hayhurst's** abstracts received Kosaka Best of Meeting awards at the 2017 annual meeting

of the International Anesthesia Research Society (IARS). Of the 600 total abstracts presented at the conference, only 30 received this recognition.

**Buffy Lupear**, Senior Quality and Patient Advisor, was honored as Advanced Practice Nurse of the Year at Vanderbilt University Medical Center's 2017 Nursing Honors program.

**Dr. Letha Mathews** presented Grand Rounds for the Department of Neurosurgery at the University of Louisville on Friday, March 3, 2017. Her topic was "Neuroanesthesiology: History and Update."

**Dr. Matt McEvoy** has been promoted to Professor of Anesthesiology. He was also appointed to a two-year term as an adjunct member of the ASA Committee on Research.

**Dr. Kelly McQueen** delivered her TEDx Talk, "Solving the Global Anesthesia Crisis," on Friday, Aug. 4, 2017, at HEALTHNEXT, an official TEDx Nashville Event focused on health and healthcare. She also presented at the 47th world Congress of Surgery on Monday, Aug. 14.

**Sarah Moroz**, Research Assistant II in CRISS, was accepted into Vanderbilt University's Master of Public Health (MPH) program.

**Dr. Joe Schlesinger's** research team presented their frequency-selective silencing device to enhance ICU patient recovery at Vanderbilt Engineering's Design Day, and their work was accepted to the International Conference for Auditory Display (ICAD).

**Emma Schremp**, Research Assistant II in CRISS, was accepted into Vanderbilt University School of Medicine's Master of Laboratory Investigation (MLI) degree program.

**Dr. Edward Sherwood** was invited to join the Medical Scientist Training Program Admissions Committee.

**Dr. Loren Smith** has been promoted to Assistant Professor.

**Dr. Chris Sobey** received the Team Award at the Leadership Assembly at Vanderbilt University Medical Center on Wednesday, Aug. 9, 2017.

**Katie Tippey, PhD**, Postdoctoral Research Fellow in CRISS, served as Chief Tech Officer of a Tech Venture Challenge team designated by Vanderbilt's Center for Technology Transfer and Commercialization (CTTC) to

# Anesthesia Tech Day 2017



develop a plan to commercialize an autism driving simulation device developed in a research lab at Vanderbilt. The team received 1st place for its final competition pitch to venture capitalists.

**Grace Umutesi**, Associate Program Manager for Vanderbilt International Anesthesia (VIA), graduated in May from Vanderbilt's Master of Public Health program.

**Dr. Camila Walters** was the recipient of a 2017 Society of Critical Care Medicine Presidential Citation for outstanding contributions. This award recognizes SCCM members who have made extraordinary contributions of time, energy, and resources to SCCM during the previous year.

**Dr. Jonathan Wanderer** has been selected as an Associate Member of the Association of University Anesthesiologists (AUA). He is now an ABA Part 2 Examiner. Dr. Wanderer has also become a member of the ASA's Core Measurement Development Group, as well as the Epic Reporting Brain Trust and the Epic Cost & Quality Brain Trust. In addition, Dr. Wanderer has been selected to serve on the Epic Adult Anesthesia Steering Board, 2017. Twelve physicians from across the country were chosen from a pool of many truly outstanding candidates to serve on the board.

## LEADERSHIP ANNOUNCEMENT



Dr. Amy Robertson has been named Associate Vice Chair for Clinical Affairs.

## LEADERSHIP ANNOUNCEMENT



Dr. Michael Pilla has been named Associate Chief of the Multispecialty Adult Anesthesiology Division.



**La'Keisha Horton**, Senior Administrative Assistant for Division of Multispecialty Adult Anesthesiology, was presented with the **Department Staff Credo Award** at the July 26, 2017 All-Staff Meeting.

Send us your news for inclusion in department publications:  
*Weekly Update,*  
*Anesthesia Monitor*

[AnesthesiologyCommunications@Vanderbilt.edu](mailto:AnesthesiologyCommunications@Vanderbilt.edu)

# 2017

## ASA Annual Alumni Reception

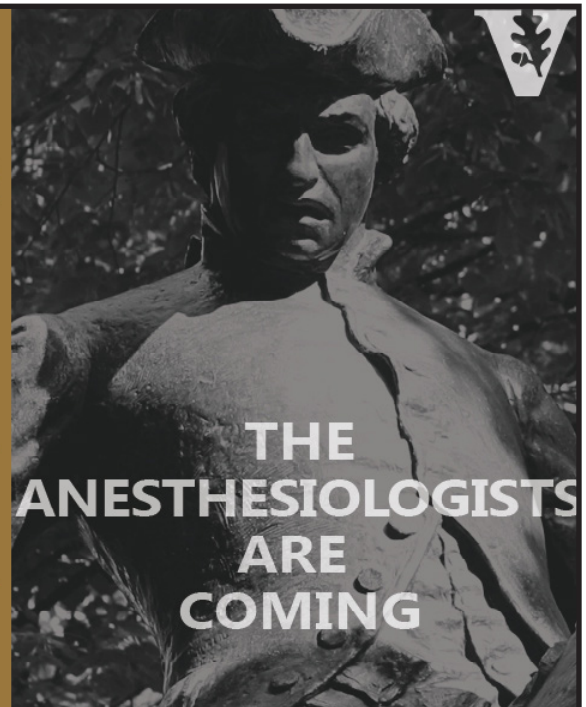
### SAVE THE DATE

10.22.17  
6pm to 10pm  
The Envoy Hotel  
Lookout Rooftop Bar  
70 Sleeper Street  
Boston, MA

### Co-Hosted By

Vanderbilt University Medical Center  
Emory University School of Medicine  
The University of North Carolina at Chapel Hill

For questions, contact Jennifer Cook  
Vanderbilt Department of Anesthesiology  
Phone: 615.936.1595  
Email: [jennifer.cook@vanderbilt.edu](mailto:jennifer.cook@vanderbilt.edu)



# Match Day 2017: Our new PGY-1 class

## Department of Anesthesiology - PGY-1 Class of 2017-2018



**Amanda Bennett**  
University of Central  
Florida College of Medicine



**Monica Bhutiani**  
Vanderbilt University  
School of Medicine



**Manuel Cavazos**  
University of Texas  
School of Medicine  
at San Antonio



**Lauren-Nicole Geib**  
University of Central Florida  
College of Medicine



**Kyle Hamm**  
Albert Einstein  
College of Medicine



**Chris Lensing**  
Creighton University  
School of Medicine



**James Martin**  
Penn State University  
College of Medicine



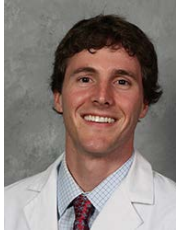
**Simon Martin**  
University of Missouri-Columbia  
School of Medicine



**Melissa McKittrick**  
University of Kansas  
School of Medicine



**Atish Patel**  
University of Florida  
College of Medicine



**Christian Pearson**  
Des Moines University  
College of Osteopathic  
Medicine



**Andreas Plackis**  
University of Missouri-Columbia  
School of Medicine



**Jesse Ream**  
University of Oklahoma  
College of Medicine



**Chris Tufts**  
USF Health Morsani  
College of Medicine



**Rachel Wood**  
Harvard Medical School



**Ethan Young**  
University of South Dakota  
Sanford School of Medicine



**Matt Zapf**  
Loyola University Chicago  
Stritch School of Medicine



**Amy Zhang**  
Medical College of Wisconsin

**WELCOME**  
NEW DEPARTMENT MEMBERS




**Louise Alexander, MD**  
Instructor  
Multispecialty Adult  
Anesthesiology

**EDUCATION:**  
**Residency,** Vanderbilt  
University Medical  
Center, Nashville, TN  
(2017)  
**MD,** University of South  
Carolina, Charleston, SC  
(2013)  
**BS** in Biological Sciences,  
Clemson University,  
Clemson, SC (2007)

**FUN FACT:**  
I love Bluegrass music.



**Elma Alukic**  
Senior Administrative  
Assistant  
Multispecialty Adult  
Anesthesiology

**EDUCATION:**  
Medical Assistant  
Graduate, Kaplan Career  
Institute, Nashville, TN  
(2010)

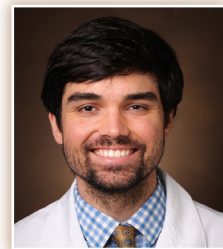
**FUN FACT:**  
I am originally from  
Yugoslavia. I speak, read,  
and write the language  
fluently. I play and coach  
soccer.



**Sara Anderson**  
Clinical/Translational  
Research Coordinator III  
Research

**EDUCATION:**  
**BA** in Sociology  
University of Tennessee,  
Knoxville, TN (2003)

**FUN FACT:**  
I served two years in  
AmeriCorps NCCC after  
college.



**Andrew Avery**  
Anesthesiology Critical  
Care Medicine Fellow

**EDUCATION:**  
**Residency,** Vanderbilt  
University Medical Center,  
Nashville, TN (2017)  
**MD,** University of Texas  
Southwestern Medical  
Center, Dallas, TX (2014)  
**BS** in Chemistry, University  
of Arkansas, Fayetteville,  
AR (2010)

**FUN FACT:**  
There was a time in my life  
when I and a merry band of  
high school friends dressed  
up as elves on the weekends  
and LARPed. Dragon Crest.



**Regina Bailey**  
Senior Administrative  
Assistant  
Ambulatory Anesthesiology

**EDUCATION:**

Certificate in Hospital Unit Coordination (Office Automation/Unit Coordinator), Union County College Career Institute, Elizabeth, NJ

**FUN FACT:**

I love to shoot pool and my team won the State Championship and all expense paid trip for a week in Las Vegas to play in the Championship Games.



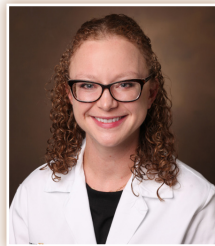
**Mark Bombulie, MD**  
Cardiothoracic  
Anesthesiology Fellow

**EDUCATION:**

**Residency**, Vanderbilt University Medical Center, Nashville, TN (2017)  
**MD**, University of Texas Health Science Center, Houston, TX (2013)  
**BS** in Molecular and Cell Biology, Cornell University, Ithaca, NY (2008)

**FUN FACT:**

I love to play golf.



**Christina Boncyk, MD**  
Anesthesiology Critical  
Care Medicine Fellow

**EDUCATION:**

**Residency**, University of Wisconsin Hospital & Clinics, Madison, WI (2017)  
**MD**, University of Wisconsin School of Medicine and Public Health, Madison, WI (2013)  
**BS** in Biochemistry, Northern Michigan University, Marquette, MI (2009)

**FUN FACT:**

I'm a Green Bay Packers fan.



**David Byrne, MD**  
Interventional Pain Fellow

**EDUCATION:**

**Residency**, Vanderbilt University Medical Center, Nashville, TN (2017)  
**MD**, University of Texas Health Science Center, San Antonio, TX (2013)  
**BS** in Psychology, Texas A&M University, College Station, TX (2009)

**FUN FACT:**

I like to snowboard.



Picture Unavailable

**Renee Chamberlain**  
Acute Care Nurse  
Practitioner

**EDUCATION:**

**MS** in Adult-Gerontology Acute Care Nursing, University of South Alabama, Mobile, AL (2016)  
**BS** in Nursing, University of Mississippi Medical Center, Jackson, MS (2008)

**FUN FACT:**

I'm new to Nashville and excited to explore the town and restaurant scene.



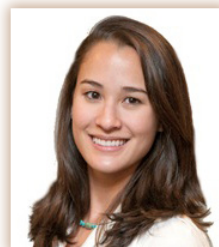
**Debra Craven**  
Clinical Trials Manager  
Perioperative Clinical  
Research Institute

**EDUCATION:**

**MMHC**, Vanderbilt University Owen Graduate School of Management, Nashville, TN (2016)  
**MS** in Nursing, Vanderbilt University School of Medicine, Nashville, TN  
**BS** in Microbiology, University of Tennessee, Knoxville TN

**FUN FACT:**

I enjoy traveling and have been to many countries around the world.



**Lane Crawford, MD**  
Assistant Professor  
Multispecialty Adult  
Anesthesiology

**EDUCATION:**

**Fellowship**, Massachusetts General Hospital, Boston, MA (2016)  
**Residency**, Massachusetts General Hospital, Boston, MA (2015)  
**MD**, Vanderbilt University School of Medicine, Nashville, TN (2011)  
**BA** in English, Vanderbilt University, Nashville, TN (2007)

**FUN FACT:**

As an undergrad at Vanderbilt, I was in the marching band for 4 years and captain of the color guard.



**Cornell Cummings, MD**  
Interventional Pain Fellow

**EDUCATION:**

**Residency**, Baylor College of Medicine, Houston, TX (2017)  
**MD**, Harvard Medical School, Boston, MA (2013)  
**BS** in Chemistry, University of Florida, Gainesville, FL (2009)

**FUN FACT:**

I am originally from Tallahassee, Florida.



**Bridget Frosina**  
Project Manager  
Administration

**EDUCATION:**

**BA** in Human Development and Family Studies, University of Connecticut, Storrs, CT

**FUN FACT:**

I used to speak four languages: English, Spanish Italian, and Greek.



Picture Unavailable

**Jeffery Gartner, MD**  
Regional Anesthesia and  
Acute Pain Medicine Fellow

**EDUCATION:**

**Residency**, University of Illinois, Chicago, IL (2017)  
**MD**, Wayne State University School of Medicine, Detroit, MI (2013)  
**BA** in Government, Hamilton College, Clinton, NY (2007)

**FUN FACT:**

I play the piano.



**Russell Gentry**  
CRNA

**EDUCATION:**

**DNP** in Nursing (Anesthesiology), Middle Tennessee School of Anesthesia (2015)  
**MS** in Nursing, University of Alabama, Birmingham, AL (1996)  
**BS** in Nursing, University of Alabama, Birmingham, AL (1994)

**FUN FACT:**

I love the outdoors.



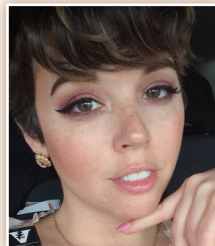
**Christy George, MD**  
Anesthesiology Critical Care Medicine Fellow

**EDUCATION:**

**Residency**, University of Texas Health Science Center, Houston, TX (2017)  
**MD**, University of Illinois College of Medicine, Peoria, IL (2013)  
**BS** in Bioengineering, University of Illinois, Chicago, IL (2008)

**FUN FACT:**

I love to dance Bharatanatyam (Indian Classical Dance).



**Jenelle Grewell**  
Communications Coordinator  
Office of the Chair

**EDUCATION:**

**BA** in Print and Web Journalism, Austin Peay State University, Clarksville, TN (2012)

**FUN FACT:**

I am a huge nerd who enjoys video games, cosplay, anime, makeup, and spooky stuff.



**Joshua Hozella, MD**  
Anesthesiology  
Critical Care Medicine Fellow

**EDUCATION:**

**Residency**, Beaumont Health, Royal Oak, MI (2017)  
**MD** from Penn State College of Medicine, Hershey, PA (2012)  
**BS**, University of Pittsburgh, Pittsburgh, PA (2008)

**FUN FACT:**

I like cooking and ceramics.



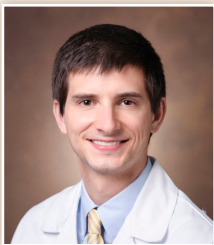
**Ognjen Katan, MD**  
Anesthesiology  
Critical Care Medicine Fellow

**EDUCATION:**

**Residency**, McGaw Medical Center of Northwestern University, Chicago, IL (2017)  
**MD**, Mayo Medical School, Rochester, MN (2013)  
**BS** in Biological Sciences, Wayne State, University, Detroit, MI (2009)

**FUN FACT:**

I enjoy travel, trying new restaurants, exercising, and spending time with my friends and family.



**Michael Kazior, MD**  
Anesthesiology  
Critical Care Medicine Fellow

**EDUCATION:**

**Residency**, University of North Carolina, Chapel Hill, NC (2017)  
**MD**, Virginia Commonwealth University School of Medicine, Richmond, VA (2013)  
**BS** in American History and Biology, Washington & Lee University, Lexington, VA (2009)

**FUN FACT:**

I spent a semester studying abroad in St. Andrews, Scotland.



**Kelly Kohorst, MD**  
Assistant Professor  
Cardiothoracic Anesthesiology

**EDUCATION:**

**Fellowship**, Vanderbilt University Medical Center, Nashville, TN (2017)  
**Residency**, Vanderbilt University Medical Center, Nashville, TN (2016)  
**MD**, Vanderbilt School of Medicine, Nashville, TN (2012)  
**BS** in Biology, Murray State University, Murray, KY (2008)

**FUN FACT:**

I am a Bridge player.



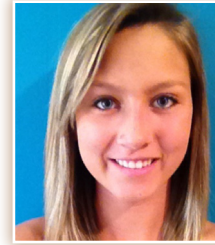
**Bradly Kook, MD**  
Obstetric Anesthesiology Fellow

**EDUCATION:**

**Residency**, Vanderbilt University Medical Center, Nashville, TN (2017)  
**MD**, Medical College of Wisconsin, Milwaukee, WI (2013)  
**BS** in Biochemistry, University of Wisconsin, Madison, WI (2013)

**FUN FACT:**

I enjoy hiking and being outdoors.



**Meghan Kramer**  
Research Assistant I  
Research

**EDUCATION:**

**BA** in Biology, Berea College, Berea, KY (2017)

**FUN FACT:**

I have a minor in Spanish from undergrad.



**Eugene Leytin, MD**  
Regional Anesthesia and Acute Pain Medicine Fellow

**EDUCATION:**

**Residency**, Case Western Reserve University of Metrohealth Medical Center, Cleveland, OH (2017)  
**MD**, Saba University School of Medicine, Saba, Netherland Antilles (2013)  
**MS**, Saba University School of Medicine, Saba, Netherland Antille (2011)  
**BS** in Anthropology, Rutgers University, New Brunswick, NK (2007)

**FUN FACT:**

I make mead.





**Kristi Lorenzen**  
Cardiothoracic  
Anesthesiology Fellow

**EDUCATION:**

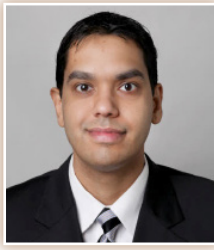
**Residency,** University of  
Nebraska Medical Center,  
Omaha, NE

**MD,** University of  
Colorado Denver School  
of Medicine, Denver, CO  
(2012)

**BS,** Biology, Creighton  
University, Omaha, NE  
(2008)

**FUN FACT:**

I used to row for a  
Division I crew team in  
college.



**Puneet Mishra, MD**  
Interventional Pain Fellow

**EDUCATION:**

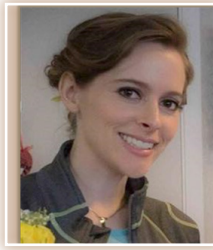
**Residency,** Vanderbilt  
University Medical  
Center, Nashville, TN  
(2017)

**MD,** Vanderbilt  
University School of  
Medicine, Nashville, TN  
(2013)

**BS** in Neuroscience,  
Nashville, TN (2008)

**FUN FACT:**

I am a FC Barcelona  
Soccer fan.



**Marian Murphy, MD**  
Pediatric Anesthesiology  
Fellow

**EDUCATION:**

**Residency,** University of  
Utah, Salt Lake City, UT  
(2014)

**MD,** Touro University  
College of Osteopathic  
Medicine, Vallejo, CA  
(2013)

**BA** in Biology, Chaminade  
University of Honolulu,  
Honolulu, HI (2008)

**FUN FACT:**

I played division II college  
basketball in Hawaii,  
learned how to ski during  
residency in Utah, first  
physician in my family.



**Ryan Oosthuisen, MD**  
Pediatric Anesthesiology  
Fellow

**EDUCATION:**

**Residency,** University of  
Florida, Gainesville, FL  
(2017)

**MD,** University of  
Colorado, Aurora, CO  
(2013)

**BS** in Biology and  
Chemistry, Berry College,  
Mount Berry, GA (2008)

**FUN FACT:**

I maintain a collection  
of rainbowfish from  
Papua New Guinea  
and Australia, and do  
a lot of African wildlife  
photography.



**Joseph Pawlowski, MD**  
Anesthesiology  
Critical Care Medicine  
Fellow

**EDUCATION:**

**Residency,** Rochester  
Medical Center, Rochester,  
NY (2017)

**MD,** University of  
Rochester School of  
Medicine & Dentistry,  
Rochester, NY (2013)

**BS** in Microbiology,  
Brigham Young  
University, Provo, UT  
(2009)

**FUN FACT:**

My first gray hair  
appeared in the 6th grade.



Picture Unavailable

**Jillian Powell**  
Senior Administrative  
Assistant  
Cardiothoracic  
Anesthesiology

**EDUCATION:**

**BS** in Communication  
Disorders and Sciences,  
Southern Illinois  
University, Carbondale,  
IL (2013)

**FUN FACT:**

I have traveled to several  
different countries and I  
cheered in college.



**Brittany Raymond, MD**  
Obstetric Anesthesiology  
Fellow

**EDUCATION:**

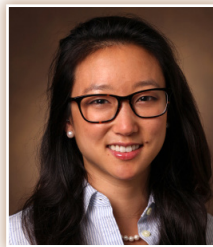
**Residency,** Vanderbilt  
University Medical  
Center, Nashville, TN  
(2017)

**MD,** Emory University  
School of Medicine,  
Atlanta, GA (2013)

**BS** in Applied Physiology  
and Kinesiology,  
University of Florida  
(2008)

**FUN FACT:**

I was a competitive  
gymnast growing up, love  
animals, and was born the  
day the Challenger space  
shuttle exploded.



**Mary Rhee, MD**  
Cardiothoracic  
Anesthesiology Fellow

**EDUCATION:**

**Residency,** University of  
Minnesota, Minneapolis,  
MN (2017)

**MD,** Northwestern  
University, Chicago, IL  
(2013)

**BS** in Biology,  
Northwestern University,  
Evanston, IL (2007)

**FUN FACT:**

I like to backpack alone to  
different countries.



**Gale Rowe**  
CRNA

**EDUCATION:**

**MS** in Nursing  
(Anesthesiology),  
MidAmerica Nazarene  
University, Olathe, KS  
(1996)

**BA** in Biology, Covenant  
College, Lookout  
Mountain, GA (1993)

**FUN FACT:**

I have a history in  
vocal performance with  
professional experience  
singing opera and  
classical music as well as  
jazz and swing.



**Samiya Saklayen, MD**  
Cardiothoracic  
Anesthesiology Fellow

**EDUCATION:**

**Residency,** University of  
Kentucky, Lexington, KY  
(2017)

**MD,** University of Toledo,  
Toledo, OH (2013)

**BS** in Microbiology, Ohio  
State University, Columbus,  
OH (2009)

**FUN FACT:**

Our family's favorite  
way to spend vacations  
is touring and hiking  
national parks across  
America.



**Joseph Ethan Simpson**  
CRNA

**EDUCATION:**

**DNP** in Nursing (Anesthesiology), Union University, Jackson, TN (2016)  
**MS** in Nursing, Vanderbilt University School of Nursing, Nashville, TN (2012)  
**BS** in Nursing, University of Alabama, Capstone College of Nursing, Tuscaloosa, AL

**FUN FACT:**

I'm an avid runner, and have completed the Nashville Full Marathon, several half marathons and many other races.



**Laura Sorabella, MD**  
Assistant Professor  
Multispecialty Adult  
Anesthesiology

**EDUCATION:**

**Fellowship**, Harvard Medical School, Boston, MA (2016)  
**Residency**, Harvard University's Beth Israel Deaconess Medical Center, Boston, Massachusetts (2015)  
**MD**, University of California, Los Angeles, CA (2011)  
**BS** in Molecular and Cellular Biology, University of Illinois, Champaign, IL (2007)

**FUN FACT:**

I grew up in a town of only 800 people.



**Genevieve Staudt, MD**  
Pediatric Anesthesiology  
Fellow

**EDUCATION:**

**Residency**, Massachusetts General Hospital, Boston, MA (2016)  
**MD**, University of Iowa, Iowa City, IA (2012)  
**BA** in Molecular, Cellular, and Developmental Biology, Yale University, New Haven, CT (2008)

**FUN FACT:**

My favorite food is avocado, which I eat every day on toast for lunch.



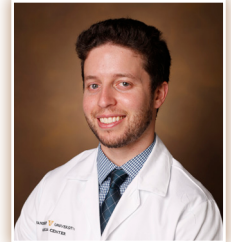
**Tanya Steinback**  
Senior Administrative  
Assistant  
Administration

**EDUCATION:**

Administrative Assistant Diploma, Dover Business College, Parsippany, NJ

**FUN FACT:**

I work the Tennessee Renaissance Festival every May. I am a Girl Scout Award recipient.



**Jeremy Walco, MD**  
Anesthesiology  
Critical Care Medicine  
Fellow

**EDUCATION:**

**Residency**, Columbia Medical Center, New York, NY (2017)  
**MD**, University of Louisville School of Medicine, Louisville, KY (2013)  
**BS** in Neurobiology & Behavior, Cornell University, Ithaca, NY (2009)

**FUN FACT:**

I play NCAA Sprint Football for Cornell.

## Doing Good Globally at the 2017 VIA Fundraiser



## Recent Publications

**Allen BFS, McEvoy MD.** Competency Assessment in Regional Anesthesia: Quantity Today, Quality Tomorrow. *Reg Anesth Pain Med.* 2017 Jul/Aug;42(4):429-431. doi: 10.1097/AAP.0000000000000626. PubMed PMID: 28632670.

**Alvis BD, King AB, Pandharipande PP, Weavind LM, Avila K, Leisy PJ, Ajmal M, McHugh M, Keegan KA, Baker DA, Walia A, Hughes CG.** Creation and Execution of a Novel Anesthesia Perioperative Care Service at a Veterans Affairs Hospital. *Anesth Analg.* 2017 Jun 16. doi: 10.1213/ANE.0000000000001930. [Epub ahead of print] PubMed PMID: 28632542.

**Bansal VK, Hester DL.** Closed-Loop Anesthesia: Not Ready for Takeoff. *Anesth Analg.* 2017 Jul;125(1):360-361. doi: 10.1213/ANE.0000000000002181. PubMed PMID: 28609338.

**Baysinger CL, Pujic B, Velickovic I, Owen MD, Serafin J, Shotwell MS, Braveman F.** Increasing Regional Anesthesia Use in a Serbian Teaching Hospital through an International Collaboration. *Front Public Health.* 2017 Jun 9;5:134. doi: 10.3389/fpubh.2017.00134. eCollection 2017. Review. PubMed PMID: 28649565; PubMed Central PMCID: PMC5465237.

**Bennett JM, Sileshi B.** Incorrect Diagnosis of Type A Aortic Dissection Attributed to Motion Artifact During Computed Tomographic Angiography: A Case Report. *A A Case Rep.* 2017 Jul 6. doi: 10.1213/XAA.0000000000000582. [Epub ahead of print] PubMed PMID: 28691983.

Boehm LM, Dietrich MS, Vasilevskis EE, Wells N, **Pandharipande P**, Ely EW, Mion LC. Perceptions of Workload Burden and Adherence to ABCDE Bundle Among Intensive Care Providers. *Am J Crit Care.* 2017 Jul;26(4):e38-e47. doi: 10.4037/ajcc2017544. PubMed PMID: 28668925.

Boehm LM, Vasilevskis EE, Dietrich MS, Wells N, Ely EW, **Pandharipande P**, Mion LC. Organizational Domains and Variation in Attitudes of Intensive Care Providers Toward the ABCDE Bundle. *Am J Crit Care.* 2017 May;26(3):e18-e28. doi: 10.4037/ajcc2017297. PubMed PMID: 28461551.

Bowerman M, Salsac C, Bernard V, Soulard C, Dionne A, Coque E, Benlefki S, Hince P, Dion PA, Butler-Browne G, Camu W, Bouchard JP, **Delpire E**, Rouleau GA, Raoul C, Scamps F. KCC3 loss-of-function contributes to Andermann syndrome by inducing activity-dependent neuromuscular junction defects. *Neurobiol Dis.* 2017 Jun 21;106:35-48. doi: 10.1016/j.nbd.2017.06.013. [Epub ahead of print] PubMed PMID: 28647557.

**Brindley RL, Bauer MB, Blakely RD, Currie KP.** Serotonin and Serotonin Transporters in the Adrenal Medulla: A Potential Hub for Modulation of the Sympathetic Stress Response. *ACS Chem Neurosci.* 2017 Apr 13. doi: 10.1021/acschemneuro.7b00026. [Epub ahead of print] PubMed PMID: 28406285.

Bulka CM, **Ehrenfeld JM.** In Reply. *Anesthesiology.* 2017 Jul;127(1):198. doi: 10.1097/ALN.0000000000001698. PubMed PMID: 28632621.

Burns JW, **Bruehl S**, France CR, Schuster E, Orlowska D, **Chont M, Gupta RK**, Buvanendran A. Endogenous Opioid Function and Responses to Morphine: The Moderating Effects of Anger Expressiveness. *J Pain.* 2017 Mar 29. pii: S1526-5900(17)30521-7. doi: 10.1016/j.jpain.2017.02.439. [Epub ahead of print] PubMed PMID: 28365372.

Corlew DS, **McQueen KA.** International Disease Burden of Hand Burns: Perspective from the Global Health Arena. *Hand Clin.* 2017 May;33(2):399-407. doi: 10.1016/j.hcl.2016.12.010. Review. PubMed PMID: 28363304.

Coute RA, **Ehrenfeld JM**, Gupta DK, Terekhov MA, **Wanderer JP.** Electronically self-assessed functional capacity and exercise testing: A comparison of the Duke Activity Status Index and Patient-Reported Outcomes Measurement Information System tools. *Am Heart J.* 2017 Jun;188:82-86. doi: 10.1016/j.ahj.2017.03.005. Epub 2017 Mar 14. PubMed PMID: 28577684.

**Cropsey CL, Henson CP, Costello WT, McGrane S.** To the Editor. *Anesth Analg.* 2017 Aug;125(2):706. doi: 10.1213/ANE.0000000000002249. PubMed PMID: 28654430.

de la Coba P, **Bruehl S**, Moreno-Padilla M, Reyes Del Paso GA. Responses to Slowly Repeated Evoked Pain Stimuli in Fibromyalgia Patients: Evidence of Enhanced Pain Sensitization. *Pain Med.* 2017 Mar 24. doi: 10.1093/pm/pnw361. [Epub ahead of print] PubMed PMID: 28371909.

**Easdown J.** Inattention blindness - Do we really see what we see? *J Clin Anesth.* 2017 Aug;40:39. doi: 10.1016/j.jclinane.2017.03.041. Epub 2017 Apr 18. PubMed PMID: 28625443.

**Ehrenfeld JM.** WannaCry, Cybersecurity and Health Information Technology: A Time to Act. *J Med Syst.* 2017 Jul;41(7):104. doi: 10.1007/s10916-017-0752-1. PubMed PMID: 28540616.

Fei M, **Blair JL, Rice MJ, Edwards DA, Liang Y, Pilla MA, Shotwell MS, Jiang Y.** Comparison of effectiveness of two commonly used two-handed mask ventilation techniques on unconscious apnoeic obese adults. *Br J Anaesth.* 2017 Apr 1;118(4):618-624. doi: 10.1093/bja/aex035. PubMed PMID: 28403406.

Fick DM, Auerbach AD, Avidan MS, Busby-Whitehead J, Ely EW, Jones RN, Marcantonio ER, Needham DM, **Pandharipande P**, Robinson TN, Schmitt EM, Trivison TG, Inouye SK. Network for Investigation of Delirium Across the U.S. (NIDUS): Advancing the Field of Delirium with a New Interdisciplinary Research Network. *J Gerontol Nurs.* 2017 May 1;43(5):4-6. doi: 10.3928/00989134-20170411-01. PubMed PMID: 28448673.

Fick DM, Auerbach AD, Avidan MS, Busby-Whitehead J, Ely EW, Jones RN, Marcantonio ER, Needham DM, **Pandharipande P**, Robinson TN, Schmitt EM, Trivison TG, Inouye SK; NIDUS Delirium Network. Network for Investigation of Delirium across the U.S.: Advancing the Field of Delirium with a New Interdisciplinary Research Network. *J Am Geriatr Soc.* 2017 Jun 20. doi: 10.1111/jgs.14942. [Epub ahead of print] PubMed PMID: 28631268.

Gangopadhyay M, **Smith H**, Pao M, Silver G, Deepmala D, De Souza C, Garcia G, Giles L, Denton D, Jacobowski N, **Pandharipande P**, Fuchs C. Development of the Vanderbilt Assessment for Delirium in Infants and Children to Standardize Pediatric Delirium Assessment By Psychiatrists. *Psychosomatics*. 2017 Mar 15. pii: S0033-3182(17)30071-3. doi: 10.1016/j.psym.2017.03.006. [Epub ahead of print] Review. PubMed PMID: 28506544.

Giuseffi JL, Borges NE, Boehm LM, Wang L, McPherson JA, Fredi JL, Ahmad RM, Ely EW, **Pandharipande PP**. Delirium After Transcatheter Aortic Valve Replacement. *Am J Crit Care*. 2017 Jul;26(4):e58-e64. doi: 10.4037/ajcc2017474. PubMed PMID: 28668927.

Glance LG, **Wanderer JP**, Dick AW, Dutton RP. Building Bridges Across Clinical Registries. *Anesth Analg*. 2017 Mar 31. doi: 10.1213/ANE.0000000000002005. [Epub ahead of print] PubMed PMID: 28368934.

Glykys J, Dzhalal V, Egawa K, Kahle KT, **Delpire E**, Staley K. Chloride Dysregulation, Seizures, and Cerebral Edema: A Relationship with Therapeutic Potential. *Trends Neurosci*. 2017 Apr 18. pii: S0166-2236(17)30046-2. doi: 10.1016/j.tins.2017.03.006. [Epub ahead of print] Review. PubMed PMID: 28431741.

Grieve S, Perez RS, Birklein F, Brunner F, **Bruhl S**, Harden RN, Packham T, Gobeil F, Haigh R, Holly J, Terkelsen A, Davies L, Lewis J, Thomassen I, Connett R, Worth T, Vatine JJ, McCabe CS. Recommendations for a first Core Outcome Measurement set for complex regional Pain syndrome Clinical sTudies (COMPACT). *Pain*. 2017 Feb 4. doi: 10.1097/j.pain.0000000000000866. [Epub ahead of print] PubMed PMID: 28178071.

Grimm PR, Coleman R, **Delpire E**, Welling PA. Constitutively Active SPAK Causes Hyperkalemia by Activating NCC and Remodeling Distal Tubules. *J Am Soc Nephrol*. 2017 Apr 25. pii: ASN.2016090948. doi: 10.1681/ASN.2016090948. [Epub ahead of print] PubMed PMID: 28442491.

Haider A, Scott JW, Gause CD, Meheš M, Hsiung G, Prelvukaj A, Yanocha D, Baumann LM, Ahmed F, Ahmed N, Anderson S, Angate H, Arfaa L, Asbun H, Ashengo T, Asuman K, Ayala R, Bickler S, Billingsley S, Bird P, Botman M, Butler M, Buyske J, Capozzi A, Casey K, Clayton C, Cobey J, Cotton M, Decklebaum D, Derbew M, deVries C, Dillner J, Downham M, Draisin N, Echinard D, Elneil S, ElSayed A, Estelle A, Finley A, Frenkel E, Frykman PK, Gheorghe F, Gore-Booth J, Henker R, Henry J, Henry O, Hoemeke L, Hoffman D, Ibanga I, Jackson EV Jr, Jani P, Johnson W, Jones A, Kassem Z, Kisembo A, Kocan A, Krishnaswami S, Lane R, Latif A, Levy B, Linos D, Linz P, Listwa LA, Magee D, Makasa E, Marin ML, Martin C, **McQueen K**, Morgan J, Moser R, Neighbor R, Novick WM, Ogendo S, Omigbodun A, Onajin-Obembe B, Parsan N, Philip BK, Price R, Rasheed S, Ratel M, Reynolds C, Roser SM, Rowles J, Samad L, Sampson J, Sanghvi H, Sellers ML, Sigalet D, Steffes BC, Stieber E, Swaroop M, Tarpley J, Varghese A, Varughese J, Wagner R, Warf B, Wetzig N, Williamson S, Wood J, Zeidan A, Zirkle L, Allen B, Abdullah F. Development of a Unifying Target and Consensus Indicators for Global Surgical Systems Strengthening: Proposed by the Global Alliance for Surgery, Obstetric, Trauma, and Anaesthesia Care (The G4 Alliance). *World J Surg*. 2017 May 15. doi: 10.1007/s00268-017-4028-1. [Epub ahead of print] Review. PubMed PMID: 28508237.

Karimy JK, Zhang J, Kurland DB, Theriault BC, Duran D, Stokum JA, Furey CG, Zhou X, Mansuri MS, Montejo J, Vera A, DiLuna ML, **Delpire E**, Alper SL, Gunel M, Gerzanich V, Medzhitov R, Simard JM, Kahle KT. Inflammation-dependent cerebrospinal fluid hypersecretion by the choroid plexus epithelium in posthemorrhagic hydrocephalus. *Nat Med*. 2017 Jul 10. doi: 10.1038/nm.4361. [Epub ahead of print] PubMed PMID: 28692063.

Kennedy JD, Thayer W, Beuno R, **Kohorst K**, **Kumar AB**. ECMO in major burn patients: feasibility and considerations when multiple modes of mechanical ventilation fail. *Burns Trauma*. 2017 Jun 20;5:20. doi: 10.1186/s41038-017-0085-9. eCollection 2017. PubMed PMID: 28649575; PubMed Central PMCID: PMC5477428.

Kent ML, Tighe PJ, Belfer I, Brennan TJ, **Bruhl S**, Brummett CM, Buckenmaier CC 3rd, Buvanendran A, Cohen RI, Desjardins P, **Edwards D**, Fillingim R, Gewandter J, Gordon DB, Hurley RW, Kehlet H, Loeser JD, Mackey S, McLean SA, Polomano R, Rahman S, Raja S, Rowbotham M, Suresh S, Schachtel B, Schreiber K, Schumacher M, Stacey B, Stanos S, Todd K, Turk DC, Weisman SJ, Wu C, Carr DB, Dworkin RH, Terman G. The ACTION-APS-AAPM Pain Taxonomy (AAAPT) Multidimensional Approach to Classifying Acute Pain Conditions. *J Pain*. 2017 May;18(5):479-489. doi: 10.1016/j.jpain.2017.02.421. PubMed PMID: 28495013.

Kent ML, Tighe PJ, Belfer I, Brennan TJ, **Bruhl S**, Brummett CM, Buckenmaier CC 3rd, Buvanendran A, Cohen RI, Desjardins P, **Edwards D**, Fillingim R, Gewandter J, Gordon DB, Hurley RW, Kehlet H, Loeser JD, Mackey S, McLean SA, Polomano R, Rahman S, Raja S, Rowbotham M, Suresh S, Schachtel B, Schreiber K, Schumacher M, Stacey B, Stanos S, Todd K, Turk DC, Weisman SJ, Wu C, Carr DB, Dworkin RH, Terman G. The ACTION-APS-AAPM Pain Taxonomy (AAAPT) Multidimensional Approach to Classifying Acute Pain Conditions. *Pain Med*. 2017 May 1;18(5):0. doi: 10.1093/pm/pnx019. PubMed PMID: 28482098.

**Kharade S**, Sheehan J, Figueroa E, Meiler J, **Denton J**. Pore polarity and charge determine differential block of Kir1.1 and Kir7.1 potassium channels by the small-molecule inhibitor VU590. *Mol Pharmacol*. 2017 Jun 15. pii: mol.117.108472. doi: 10.1124/mol.117.108472. [Epub ahead of print] PubMed PMID: 28619748.

**King AB**, **Alvis BD**, **Hester D**, Taylor S, **Higgins M**. Randomized trial of a novel double lumen nasopharyngeal catheter versus traditional nasal cannula during total intravenous anesthesia for gastrointestinal procedures. *J Clin Anesth*. 2017 May;38:52-56. doi: 10.1016/j.jclinane.2017.01.025. Epub 2017 Jan 22. PubMed PMID: 28372678.

**Kla KM**, Coursin DB, **Rice MJ**. Pupillary Unrest: Is It a Generalizable Finding? *Anesth Analg*. 2017 Jun 17. doi: 10.1213/ANE.0000000000002214. [Epub ahead of print] PubMed PMID: 28632536.

Knowlton LM, Banguti P, Chackungal S, Chanthasiri T, Chao TE, Dahn B, Derbew M, Dhar D, Esquivel MM, Evans F, Hendel S, LeBrun DG, Notrica M, Saavedra-Pozo I, Shockley R, Uribe-Leitz T, Vannavong B, **McQueen KA**, Spain DA, Weiser TG. A geospatial evaluation of timely access to surgical care in seven countries. *Bull World Health Organ*. 2017 Jun 1;95(6):437-444. doi: 10.2471/BLT.16.175885. Epub 2017 Mar 16. PubMed PMID: 28603310; PubMed Central PMCID: PMC5463808.

**Kynes JM, Zeigler L, McQueen K.** Surgical Outreach for Children by International Humanitarian Organizations: A Review. *Children* (Basel). 2017 Jun 28;4(7). pii: E53. doi: 10.3390/children4070053. Review. PubMed PMID: 28657589.

Lee LO, Bateman BT, Kheterpal S, Klumpner TT, Housey M, Aziz MF, Hand KW, MacEachern M, Goodier CG, Bernstein J, Bauer ME, Lirk P, Wilczak J, Soto R, Tom S, Cuff G, Biggs DA, Coffman T, Saager L, Levy WJ, Godbold M, Pace NL, Wethington KL, Paganelli WC, Durieux ME, Domino KB, Nair B, **Ehrenfeld JM, Wanderer JP**, Schonberger RB, Berris J, Lins S, Coles P, Cummings KC, Maheshwari K, Berman MF, Wedeven C, LaGorio J, Fleishut PM, Ellis TA 2nd, Molina S, Carl C, Kadry B, van Klei WA, Pasma W, Jameson LC, Helsten DL, Avidan MS; Multicenter Perioperative Outcomes Group Investigators. Risk of Epidural Hematoma after Neuraxial Techniques in Thrombocytopenic Parturients: A Report from the Multicenter Perioperative Outcomes Group. *Anesthesiology*. 2017 Jun;126(6):1053-1063. doi: 10.1097/ALN.0000000000001630. PubMed PMID: 28383323.

**Liang Y, Bennett JM, Coursin DB, Rice MJ.** Complete Neurologic Recovery From Extreme Hypoglycemia Secondary to Cardiogenic Liver Failure: A Case Report. *A A Case Rep*. 2017 Jun 8. doi: 10.1213/XAA.0000000000000575. [Epub ahead of print] PubMed PMID: 28604463.

**Liang Y, Kaiser CA, Danter MR.** Complete Neurological Recovery After Acute Total Occlusion of the Superior Vena Cava. *Ann Thorac Surg*. 2017 Jul;104(1):e65-e66. doi: 10.1016/j.athoracsur.2017.02.050. PubMed PMID: 28633266.

**Liang Y, Rice MJ.** Predicting Difficult Laryngoscopy: Truly Complicated! *Anesth Analg*. 2017 Aug;125(2):697-698. doi: 10.1213/ANE.0000000000002206. PubMed PMID: 28661922.

**Liang Y, Rice MJ.** Venous Air Embolism: The Severity Depends on Many Factors. *Anesth Analg*. 2017 May;124(5):1733-1734. doi: 10.1213/ANE.0000000000001956. PubMed PMID: 28328752.

**Liang Y, Wanderer J, Nichols JH, Klonoff D, Rice MJ.** Blood Gas Analyzer Accuracy of Glucose Measurements. *Mayo Clin Proc*. 2017 Jul;92(7):1030-1041. doi: 10.1016/j.mayocp.2017.03.009. Epub 2017 Jun 20. PubMed PMID: 28645518.

**Lopez MG, Pretorius M, Shotwell MS, Deegan R, Eagle SS, Bennett JM, Sileshi B, Liang Y, Gelfand BJ, Kingeter AJ, Siegrist KK, Lombard FW, Richburg TM, Fornero DA, Shaw AD, Hernandez A, Billings FT 4th.** The Risk of Oxygen during Cardiac Surgery (ROCS) trial: study protocol for a randomized clinical trial. *Trials*. 2017 Jun 26;18(1):295. doi: 10.1186/s13063-017-2021-5. PubMed PMID: 28651648; PubMed Central PMCID: PMC5485572.

Maitre NL, Stark AR, **McCoy Menser CC**, Chorna OD, **France DJ**, Key AF, Wilkens K, Moore-Clingenpeel M, Wilkes DM, **Bruehl S**. Cry presence and amplitude do not reflect cortical processing of painful stimuli in newborns with distinct responses to touch or cold. *Arch Dis Child Fetal Neonatal Ed*. 2017 May 12. pii: fetalneonatal-2016-312279. doi: 10.1136/archdischild-2016-312279. [Epub ahead of print] PubMed PMID: 28500064.

**Malchow RJ, Gupta RK, Shi Y, Shotwell MS, Jaeger LM, Bowens C.** Comprehensive Analysis of 13,897 Consecutive Regional Anesthetics at an Ambulatory Surgery Center. *Pain Med*. 2017 Mar 24. doi: 10.1093/pm/pnx045. [Epub ahead of print] PubMed PMID: 28371877.

Matsuura TR, Bartos JA, Tsangaris A, Shekar KC, Olson MD, **Riess ML**, Bienengraeber M, Aufderheide TP, Neumar RW, Rees JN, McKnite SH, Dikalova AE, Dikalov SI, Douglas HF, Yannopoulos D. Early Effects of Prolonged Cardiac Arrest and Ischemic Postconditioning during Cardiopulmonary Resuscitation on Cardiac and Brain Mitochondrial Function in Pigs. *Resuscitation*. 2017 Apr 10. pii: S0300-9572(17)30134-X. doi: 10.1016/j.resuscitation.2017.03.033. [Epub ahead of print] PubMed PMID: 28408349.

**Maynard AA, Burger CF, Schlesinger JJ.** Angioedema: Perioperative management. *SAGE Open Med Case Rep*. 2017 Jun 8;5:2050313X17713912. doi: 10.1177/2050313X17713912. eCollection 2017. PubMed PMID: 28634542; PubMed Central PMCID: PMC5467965.

**McEvoy MD, Scott MJ, Gordon DB, Grant SA, Thacker JKM, Wu CL, Gan TJ, Mythen MG, Shaw AD, Miller TE;** Perioperative Quality Initiative (POQI) I Workgroup. American Society for Enhanced Recovery (ASER) and Perioperative Quality Initiative (POQI) joint consensus statement on optimal analgesia within an enhanced recovery pathway for colorectal surgery: part 1-from the preoperative period to PACU. *Perioper Med (Lond)*. 2017 Apr 13;6:8. doi: 10.1186/s13741-017-0064-5. eCollection 2017. PubMed PMID: 28413629; PubMed Central PMCID: PMC5390366.

McKown AC, Brown RM, Ware LB, **Wanderer JP.** External Validity of Electronic Sniffers for Automated Recognition of Acute Respiratory Distress Syndrome. *J Intensive Care Med*. 2017 Jan 1:885066617720159. doi: 10.1177/0885066617720159. [Epub ahead of print] PubMed PMID: 28737058.

Merchant AI, **Walters CB**, Valenzuela J, **McQueen KA**, May AK. Creating a Global Acute Care Surgery Fellowship to Meet International Need. *J Surg Educ*. 2017 Apr 17. pii: S1931-7204(16)30200-8. doi: 10.1016/j.jsurg.2017.01.012. [Epub ahead of print] PubMed PMID: 28427944.

Monroe TB, Fillingim RB, **Bruehl SP**, Rogers BP, Dietrich MS, Gore JC, Atalla SW, Cowan RL. Sex Differences in Brain Regions Modulating Pain Among Older Adults: A Cross-Sectional Resting State Functional Connectivity Study. *Pain Med*. 2017 May 13. doi: 10.1093/pm/pnx084. [Epub ahead of print] PubMed PMID: 28505337.

Moonesinghe SR, Grocott MPW, Bennett-Guerrero E, Bergamaschi R, Gottumukkala V, Hopkins TJ, McCluskey S, Gan TJ, Mythen MMG, **Shaw AD**, Miller TE; Perioperative Quality Initiative (POQI) I Workgroup. American Society for Enhanced Recovery (ASER) and Perioperative Quality Initiative (POQI) joint consensus statement on measurement to maintain and improve quality of enhanced recovery pathways for elective colorectal surgery. *Perioper Med (Lond)*. 2017 Mar 17;6:6. doi: 10.1186/s13741-017-0062-7. eCollection 2017. PubMed PMID: 28331608; PubMed Central PMCID: PMC5356230.

Noyes EM, **Schlesinger JJ.** ICU-related PTSD - A review of PTSD and the potential effects of collaborative songwriting therapy. *J Crit Care*. 2017 Jun 23;42:78-84. doi: 10.1016/j.jccr.2017.06.014. [Epub ahead of print] Review. PubMed PMID: 28688241.

O'Neal JB, **Billings FT 4th**, Liu X, Shotwell MS, **Liang Y**, Shah AS, **Ehrenfeld JM**, **Wanderer JP**, **Shaw AD**. Risk factors for delirium after cardiac surgery: a historical cohort study outlining the influence of cardiopulmonary bypass. *Can J Anaesth*. 2017 Jul 17. doi: 10.1007/s12630-017-0938-5. [Epub ahead of print] PubMed PMID: 28718100.

O'Neal JB, Freiberg AA, Yelle MD, **Jiang Y**, Zhang C, Gu Y, Kong X, Jian W, O'Neal WT, Wang J. Intravenous vs Oral Acetaminophen as an Adjunct to Multimodal Analgesia After Total Knee Arthroplasty: A Prospective, Randomized, Double-Blind Clinical Trial. *J Arthroplasty*. 2017 May 18. pii: S0883-5403(17)30444-8. doi: 10.1016/j.arth.2017.05.019. [Epub ahead of print] PubMed PMID: 28690041.

Osmundson SS, Schomack LA, Grasc JL, Zuckerwise LC, Young JL, **Richardson MG**. Postdischarge Opioid Use After Cesarean Delivery. *Obstet Gynecol*. 2017 Jun 6. doi: 10.1097/AOG.0000000000002095. [Epub ahead of print] PubMed PMID: 28594766.

**Pandharipande PP**, Ely EW, Arora RC, Balas MC, Boustani MA, La Calle GH, Cunningham C, Devlin JW, Elefante J, Han JH, MacLulich AM, Maldonado JR, Morandi A, Needham DM, Page VJ, Rose L, Salluh JF, Sharshar T, Shehabi Y, Skrobik Y, Sooter AJC, **Smith HAB**. The intensive care delirium research agenda: a multinational, interprofessional perspective. *Intensive Care Med*. 2017 Jun 13. doi: 10.1007/s00134-017-4860-7. [Epub ahead of print] Review. PubMed PMID: 28612089.

**Poe LM**, **Janda AM**, Burger CF, **Schlesinger JJ**. Use of 23.4% Saline in Symptomatic Vasospasm and Cushing's Triad to Prevent Herniation and Death: A Case Report. *A Case Rep*. 2017 Jul 6. doi: 10.1213/XAA.0000000000000587. [Epub ahead of print] PubMed PMID: 28691981.

Price CC, Garvan C, Hize L, **Lopez MG**, **Billings FT**. Delayed Recall and Working Memory MMSE Domains Predict Delirium following Cardiac Surgery. *J Alzheimers Dis*. 2017 Jul 4. doi: 10.3233/JAD-170380. [Epub ahead of print] PubMed PMID: 28697572.

**Quevreaux J**, **Cropsey C**. In-Flight Hypoxemia in a Tracheostomy-Dependent Infant. *Case Rep Anesthesiol*. 2017;2017:3210473. doi: 10.1155/2017/3210473. Epub 2017 Feb 28. PubMed PMID: 28348895; PubMed Central PMCID: PMC5350420.

**Rice MJ**, Gravenstein N, Morey TE. Back to the Future: Will Noninvasive Hemoglobin Follow the Glucose Measurement Path? *Anesth Analg*. 2017 Jun;124(6):1749-1751. doi: 10.1213/ANE.0000000000001816. PubMed PMID: 28525500.

**Richardson MG**, **Baysinger CL**. Dural Puncture Epidural Technique: Not So Fast. *Anesth Analg*. 2017 Aug;125(2):700. doi: 10.1213/ANE.0000000000002221. PubMed PMID: 28737518.

**Richardson MG**, Hall SJ, Zuckerwise LC. Postpartum Tubal Sterilization: Making the Case for Urgency. *Anesth Analg*. 2017 Jun 17. doi: 10.1213/ANE.0000000000002174. [Epub ahead of print] PubMed PMID: 28632532.

Salzman MM, Cheng Q, Deklotz RJ, Dulai GK, **Douglas HF**, Dikalova AE, Weihrauch D, Barnes BM, **Riess ML**. Lipid emulsion enhances cardiac performance after ischemia-reperfusion in isolated hearts from summer-active arctic ground squirrels. *J Comp Physiol B*. 2017 Mar 31. doi: 10.1007/s00360-017-1071-z. [Epub ahead of print] PubMed PMID: 28364393.

Sappenfield JW, Gravenstein N, **Rice MJ**, Morey TE. In Response. *Anesth Analg*. 2017 May;124(5):1743-1744. doi: 10.1213/ANE.0000000000002032. PubMed PMID: 28426592.

Scott MJ, **McEvoy MD**, Gordon DB, Grant SA, Thacker JKM, Wu CL, Gan TJ, Mythen MG, **Shaw AD**, Miller TE; Perioperative Quality Initiative (POQI) I Workgroup. American Society for Enhanced Recovery (ASER) and Perioperative Quality Initiative (POQI) Joint Consensus Statement on Optimal Analgesia within an Enhanced Recovery Pathway for Colorectal Surgery: Part 2-From PACU to the Transition Home. *Perioper Med (Lond)*. 2017 Apr 13;6:7. doi: 10.1186/s13741-017-0063-6. eCollection 2017. PubMed PMID: 28413628; PubMed Central PMCID: PMC5390469.

Self WH, Semler MW, **Wanderer JP**, **Ehrenfeld JM**, Byrne DW, Wang L, Atchison L, Felbinger M, Jones ID, Russ S, **Shaw AD**, Bernard GR, Rice TW. Saline versus balanced crystalloids for intravenous fluid therapy in the emergency department: study protocol for a cluster-randomized, multiple-crossover trial. *Trials*. 2017 Apr 13;18(1):178. doi: 10.1186/s13063-017-1923-6. PubMed PMID: 28407811; PubMed Central PMCID: PMC5390477.

Semler MW, Self WH, Wang L, Byrne DW, **Wanderer JP**, **Ehrenfeld JM**, Stollings JL, **Kumar AB**, **Hernandez A**, Guillaumondegui OD, May AK, Siew ED, Shaw AD, Bernard GR, Rice TW; Isotonic Solutions and Major Adverse Renal Events Trial (SMART) Investigators; Pragmatic Critical Care Research Group. Balanced crystalloids versus saline in the intensive care unit: study protocol for a cluster-randomized, multiple-crossover trial. *Trials*. 2017 Mar 16;18(1):129. doi: 10.1186/s13063-017-1871-1. PubMed PMID: 28302179; PubMed Central PMCID: PMC5356286.

**Shaw AD**. Cardiac surgery-associated acute kidney injury: tools for enriching clinical trial populations. *Can J Anaesth*. 2017 May 12. doi: 10.1007/s12630-017-0900-6. [Epub ahead of print] PubMed PMID: 28500424.

Shuey MM, **Billings FT 4th**, Wei S, Milne GL, Nian H, Yu C, Brown NJ. Association of gain-of-function EPHX2 polymorphism Lys55Arg with acute kidney injury following cardiac surgery. *PLoS One*. 2017 May 26;12(5):e0175292. doi: 10.1371/journal.pone.0175292. eCollection 2017. PubMed PMID: 28552948; PubMed Central PMCID: PMC5446112.

**Sileshi B**, **Newton MW**, Kiptanui J, Shotwell MS, **Wanderer JP**, Mungai M, Scherdin J, Harris PA, Vermund SH, **Sandberg WS**, **McEvoy MD**. Monitoring Anesthesia Care Delivery and Perioperative Mortality in Kenya Utilizing a Provider-driven Novel Data Collection Tool. *Anesthesiology*. 2017 Aug;127(2):250-271. doi: 10.1097/ALN.0000000000001713. PubMed PMID: 28657959; PubMed Central PMCID: PMC519082.

**Smith HAB**, Gangopadhyay M, Goben CM, Jacobowski NL, Chestnut MH, Thompson JL, Chandrasekhar R, Williams SR, Griffith K, Ely EW, Fuchs DC, **Pandharipande PP**. Delirium and Benzodiazepines Associated With Prolonged ICU Stay in Critically Ill Infants and Young Children. *Crit Care Med*. 2017 Jun 7. doi: 10.1097/CCM.0000000000002515. [Epub ahead of print] PubMed PMID: 28594681.

**Sobey CM**, **Greene CR**, Ford LJ, **Walters JL**, Huntoon MA. Advancing Safety in Intrathecal Analgesia: A Novel Web-Based Pharmacologic Requisition Platform and Data Repository for Intrathecal Drug Delivery Devices. *Reg Anesth Pain Med*. 2017 May 10. doi: 10.1097/AAP.0000000000000604. [Epub ahead of print] PubMed PMID: 28492438.

Tsai C, **Walters CB**, Sampson J, Kateh F, Chang MP. Pediatric Mortality in a Rural Tertiary Care Center in Liberia. *Children (Basel)*. 2017 Jan 30;4(2):8. pii: E8. doi: 10.3390/children4020008. PubMed PMID: 28146099; PubMed Central PMCID: PMC5332910.

Tsai MH, Huynh TT, Breidenstein MW, O'Donnell SE, **Ehrenfeld JM**, Urman RD. A System-Wide Approach to Physician Efficiency and Utilization Rates for Non-Operating Room Anesthesia Sites. *J Med Syst*. 2017 Jul;41(7):112. doi: 10.1007/s10916-017-0754-z. Epub 2017 Jun 8. PubMed PMID: 28597362.

van Pelt M, **Weinger MB**. Distractions in the Anesthesia Work Environment: Impact on Patient Safety? Report of a Meeting Sponsored by the Anesthesia Patient Safety Foundation. *Anesth Analg*. 2017 Jun 9. doi: 10.1213/ANE.0000000000002139. [Epub ahead of print] PubMed PMID: 28609339.

Walker LS, Stone AL, Smith CA, **Bruehl S**, Garber J, Puzanovova M, Diedrich A. Interacting influences of gender and chronic pain status on parasympathetically mediated heart rate variability in adolescents and young adults. *Pain*. 2017 Aug;158(8):1509-1516. doi: 10.1097/j.pain.0000000000000942. PubMed PMID: 28715351.

**Walters C**, Mejia R, Sampson J. Critical care in infants and children: the basics. In: Killu K, Sarani B, eds. *Fundamental Critical Care Support*. 6th ed. Mt. Prospect, IL: Society of Critical Care Medicine; 2016:309-333.

**Wanderer JP**, Nathan N. Estimated Blood Loss: In the Equation of the Beholder. *Anesth Analg*. 2017 Jul;125(1):2. doi: 10.1213/ANE.0000000000002251. PubMed PMID: 28628569.

**Wanderer JP**, Nathan N. Ischemic Leg, Perfused Lung: A Trial of Remote Ischemic Preconditioning. *Anesth Analg*. 2017 Aug;125(2):368. doi: 10.1213/ANE.0000000000002310. PubMed PMID: 28731969.

**Wanderer JP**, Nathan N. Perioperative Precision Medicine: Promise, Progress, and Pitfalls. *Anesth Analg*. 2017 Apr;124(4):1028. doi: 10.1213/ANE.0000000000002009. PubMed PMID: 28319537.

**Wanderer JP**, Nathan N. Personalized Intrathecal Drug Delivery: Models, Targets, and Approaches. *Anesth Analg*. 2017 May;124(5):1382. doi: 10.1213/ANE.0000000000002081. PubMed PMID: 28426576.

**Wanderer JP**, Nathan N. Subcellular Hypoxia: A Survival Guide. *Anesth Analg*. 2017 Jun;124(6):1748. doi: 10.1213/ANE.0000000000002166. PubMed PMID: 28525499.

**Wanderer JP**, Rathmell JP. Optimizing Analgesia for Total Knee Arthroplasty: A Networked Comparison. *Anesthesiology*. 2017 May;126(5):A16. doi: 10.1097/ALN.0000000000001647. PubMed PMID: 28418963.

**Wanderer JP**, Rathmell JP. Regional by Region: The Spread of Modern Obstetric Practice. *Anesthesiology*. 2017 Aug;127(2):A15. doi: 10.1097/ALN.0000000000001776. PubMed PMID: 28719521.

**Wanderer JP**, Rathmell JP. To Move, or Not to Move: Accelerating PACU Flow After Spinal Anesthetics. *Anesthesiology*. 2017 Jun;126(6):A20. doi: 10.1097/ALN.0000000000001683. PubMed PMID: 28509791.

**Wanderer JP**, Rathmell JP. Unwrapping an ERAS Bundle: Goal-directed Fluid Therapy & Ileus. *Anesthesiology*. 2017 Jul;127(1):A15. doi: 10.1097/ALN.0000000000001746. PubMed PMID: 28632609.

**Wanderer JP**. Analysis of Large and Complex Data. *Anesth Analg*. 2017 May 19. doi: 10.1213/ANE.0000000000002127. [Epub ahead of print] PubMed PMID: 28537972.

**Watkins SC**, Nietert PJ, **Hughes E**, Stickles ET, Wester TE, **McEvoy MD**. Assessment Tools for Use During Anesthesia-Centric Pediatric Advanced Life Support Training and Evaluation. *Am J Med Sci*. 2017 Jun;353(6):516-522. doi: 10.1016/j.amjms.2016.09.013. Epub 2016 Oct 3. PubMed PMID: 28641713.

**Watkins SC**, **Roberts DA**, Boulet JR, **McEvoy MD**, **Weinger MB**. Evaluation of a Simpler Tool to Assess Nontechnical Skills During Simulated Critical Events. *Simul Healthc*. 2017 Apr;12(2):69-75. doi: 10.1097/SIH.0000000000000199. PubMed PMID: 28704284.

Watts BA 3rd, George T, **Sherwood ER**, Good DW. Monophosphoryl lipid A induces protection against LPS in medullary thick ascending limb through a TLR4-TRIF-PI3K signaling pathway. *Am J Physiol Renal Physiol*. 2017 Mar 29;ajprenal.00064.2017. doi: 10.1152/ajprenal.00064.2017. [Epub ahead of print] PubMed PMID: 28356284.

**Weinger MB**, **Banerjee A**, Burden AR, McIvor WR, Boulet J, Cooper JB, Steadman R, Shotwell MS, **Slagle JM**, DeMaria S Jr, Torsher L, Sinz E, Levine AI, Rask J, Davis F, Park C, Gaba DM. Simulation-based Assessment of the Management of Critical Events by Board-certified Anesthesiologists. *Anesthesiology*. 2017 Jul 3. doi: 10.1097/ALN.0000000000001739. [Epub ahead of print] PubMed PMID: 28671903.

**Witherspoon B**, **Ashby NE**. The Use of Mannitol and Hypertonic Saline Therapies in Patients with Elevated Intracranial Pressure: A Review of the Evidence. *Nurs Clin North Am*. 2017 Jun;52(2):249-260. doi: 10.1016/j.cnur.2017.01.002. Epub 2017 Apr 7. Review. PubMed PMID: 28478873.

Zhang J, Karimy JK, **Delpire E**, Kahle KT. Pharmacological targeting of SPAK kinase in disorders of impaired epithelial transport. *Expert Opin Ther Targets*. 2017 Aug;21(8):795-804. doi: 10.1080/14728222.2017.1351949. Epub 2017 Jul 12. PubMed PMID: 28679296.

Zurawski Z, Page B, Chicka MC, **Brindley RL**, Wells CA, Preininger AM, Hyde K, Gilbert JA, Cruz-Rodriguez O, Currie KPM, Chapman ER, Alford S, Hamm HE. G $\beta$ y directly modulates vesicle fusion by competing with synaptotagmin for binding to neuronal SNARE proteins embedded in membranes. *J Biol Chem*. 2017 May 17. pii: jbc.M116.773523. doi: 10.1074/jbc.M116.773523. [Epub ahead of print] PubMed PMID: 28515322.

## Department Leadership



**Warren S. Sandberg, MD, PhD**  
Chair, Department of Anesthesiology  
Vanderbilt University Medical Center

**We provide uncompromising quality in clinical care, research and education. We are:**

**Compassionate:** Offering exceptional perioperative care and pain management to a complex population.

**Creative:** Advancing the frontiers of science, healthcare and technology.

**Committed:** Equipping future leaders with solid education and training, both here and abroad.

**Collaborative:** Working across Vanderbilt University Medical Center and beyond to achieve measurable outcomes.

## Executive Committee



**Brian J. Gelfand, MD**  
Associate Vice Chair for  
Educational Affairs



**Matthew McEvoy, MD**  
Vice Chair for  
Educational Affairs



**Mark Rice, MD**  
Vice Chair for  
Clinical Affairs



**Amy Robertson, MD**  
Associate Vice Chair for  
Clinical Affairs



**Andrew Shaw, MB,  
FRCA, FFICM, FCCM**  
Executive Vice Chair,  
Anesthesiology



**Edward Sherwood,  
MD, PhD**  
Vice Chair for Research



**Matthew Weinger, MD**  
Vice Chair for  
Faculty Affairs



**Stephen Doherty, MMHC**  
Department Administrator

## Division Chiefs



**David H. Chestnut, MD**  
Chief, Obstetric  
Anesthesiology



**Eric Delpire, PhD**  
Chief, Basic Science  
Research



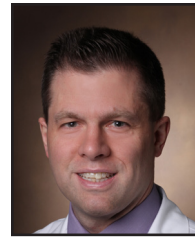
**Kurt Dittrich, MD**  
Interim Chief,  
Pain Medicine



**Katherine Dobie, MD**  
Chief, Ambulatory  
Anesthesiology



**Brent Dunworth, DNP,  
MBA, APRN, CRNA**  
Chief CRNA



**Alexander Hughes, MD**  
Interim Chief, Pediatric  
Cardiac Anesthesiology



**Jill Kilkelly, MD**  
Interim Chief, Pediatric  
Anesthesiology



**Letha Mathews, MBBS**  
Interim Chief,  
Neuroanesthesiology



**Pratik Pandharipande,  
MD, MSCI**  
Chief, Anesthesiology-  
Critical Care Medicine



**Michael Pilla, MD**  
Associate Chief,  
Multispecialty  
Adult Anesthesiology



**Mias Pretorius, MBChB,  
MSCI**  
Chief, Cardiothoracic  
Anesthesiology



**Mark Rice, MD**  
Chief, Multispecialty  
Adult Anesthesiology



**Ann Walia, MBBS**  
Chief, Veterans Affairs  
Anesthesiology Service