DEPARTMENT OF ANESTHESIOLOGY

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MEDICAL CENTER

Department News | December 2016

Message from the Chair



Warren S. Sandberg, MD, PhD

As the calendar year concludes, we can reflect with pride on the Department of Anesthesiology's accomplishments in 2016, highlighted by our particularly gratifying showing at the October ASA Annual Meeting. Our collective dedication to the guiding principles of Compassion, Creativity, Commitment and Collaboration was evident in the contributions of each individual department member this year.

In the remaining months of the 2016-17

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academic year, we shall continue to pursue the departmental goals that support the foundational values of VUMC, distilled in the institutional Pillar Goals shown above - addressing People, Service, Quality, Growth & Finance, and Innovation.

Take a few moments in the coming holiday months to reflect on your own accomplishments and the collective accomplishments of the department in service to these values, and give thanks for the diverse, vital, and generous community to which we all contribute.

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Faculty and Staff Recognized for Service

Service awards were presented to 54 members of the Department of Anesthesiology for 2016, representing a combined total of 710 years of service. These awards honor faculty and staff for their commitment to Vanderbilt.



Dr. Benjamin

The employee with the greatest longevity is Gail Mayo, a Research Nurse Specialist in the Perioperative Clinical Research Institute (pictured far right), with 30 years of service. CRNAs Robert Atwood and Amy Smith have each been with Vanderbilt for 25 years.



Raymond Johnson

The longest serving faculty members are Dr. Benjamin Johnson, Associate Professor of Anesthesiology in the Division of Obstetric Anesthesiology, and Raymond Johnson, Associate in the Division of Research, each with 25 years of service.

Congratulations and well done to all of our department's service award recipients for 2016!



Among the staff members honored at the October All-Staff Meeting were (pictured above, left to right): Mark Stevens (10 years), Judy Lashbrook (5 years), Chris Lindsey (10 years), Susan Taylor (15 years), Kristie Lee (20 years), and Gail Mayo (30 years).

Department Demonstrates Excellence at 2016 ASA Annual Meeting

Amy Nabours

The 2016 annual meeting of the American Society of Anesthesiologists (ASA), held in October, was a showcase for the Department of Anesthesiology's achievements. Members of the department offered over 100 academic activities - such as seminars, hands-on workshops, poster discussions, and medically challenging case presentations - at the conference. These contributions came primarily from faculty members, but our CRNAs and trainees were also very involved - this year 25 residents and 6 fellows presented at the ASA.

Not only did our department contribute significantly to this year's meeting of the primary specialty society for Anesthesiology, we also enjoyed opportunities to connect with co-workers, alumni, and colleagues from other institutions and were made proud of the honors garnered by members of the department as well. The annual alumni reception was held Sunday night, October 23rd, at the Mid-America Club on the 80th floor of the AON Center in downtown Chicago and was hosted by our department in conjunction with the anesthesiology departments of the University of North Carolina and Emory University.



Monday morning, October 24th, Dr. David Chestnut, Chief of the Division of Obstetric Anesthesiology, presented the 54th annual Emery A. Rovenstine Memorial Lecture, one of the premier events of the conference. This standing lecture, named for Emery Andrew Rovenstine who was considered a pioneer in the practice of anesthesiology, was endowed in 1962 and is presented by a prominent anesthesiologist.

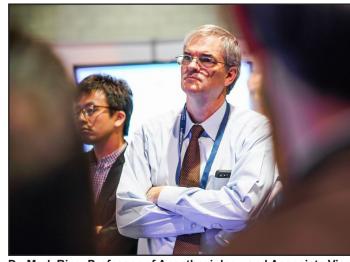
Dr. Chestnut's lecture, titled "On the Road to Professionalism," examines the characteristic qualities of professionalism, the concept of professionalism as a dynamic attribute that physicians must cultivate throughout their careers, and the critical role of professionalism in health care. The lecture was greeted with enthusiastic praise and transcended the boundaries of specialty - the content applies to physicians outside of anesthesiology and to non-medical professionals alike. Following the conference Dr.



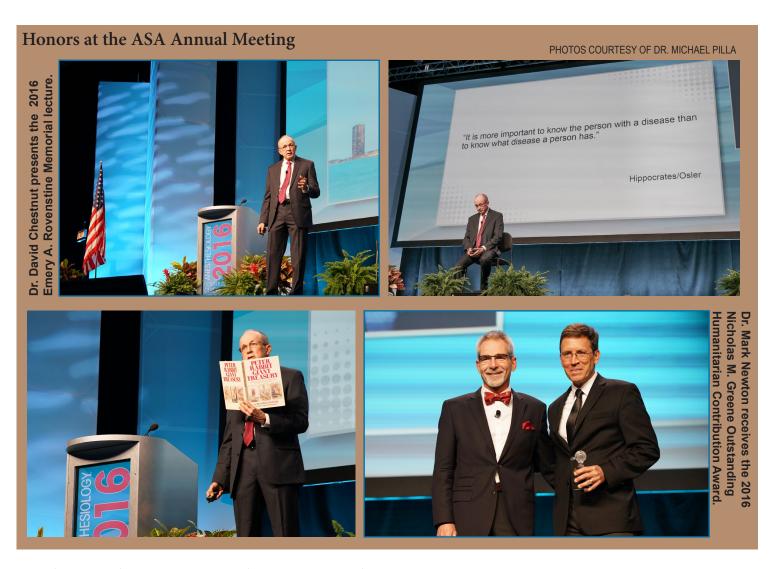
Dr. Pratik Pandharipande, Professor of Anesthesiology and Chief of the Division of Anesthesiology-Critical Care Medicine, presents at the 2016 ASA annual meeting.

Chestnut presented "On the Road to Professionalism" at Anesthesiology Grand Rounds here at Vanderbilt, allowing members of our department who could not attend the ASA Annual Meeting to hear this inspirational lecture.

Also on Monday, October 24th, Dr. Mark Newton, Professor of Clinical Anesthesiology and Director of the Vanderbilt International Anesthesia program, was presented the 2016 Nicholas M. Greene Outstanding Humanitarian Contribution Award. This annual award originated in 2010 and is conferred by the Global Humanitarian Outreach (GHO) Committee of the ASA on an ASA member who demonstrates commitment to international humanitarian aid, disaster relief, or education and training in low income countries through personal sacrifice, academic contribution, or technological innovation. Dr. Newton was nominated for this award by someone outside our institution, and the nomination was enthusiastically supported by Dr. Newton's colleagues at Vanderbilt.



Dr. Mark Rice, Professor of Anesthesiology and Associate Vice Chair for Clinical Affairs, served as abstract moderator for a poster presentation session on Equipment, Monitoring and Engineering Technology: Cardiac Output, Pressure and Circulation.



Residents Make an Impact at the ASA Annual Meeting





Melissa Murphy, MD, offers a Medically Challenging Case presentation.



Chad Greene, DO, attended the ASA Resident Component House of Delegates as the National Secretary.

2

Department Spotlight

Dr. Jill Boyle's poster, "Anesthetic outcomes following a redesign of the perioperative management of placenta percreta," received the 3rd Society of Anaesthetists of Hong Kong poster prize in the Obstetric Category at the 2016 World Congress of Anaesthesiologists.

Dr. David Edwards was interviewed as part of a story on NPR about Middle Tennessee School of Anesthesia's emphasis on training students to use nerve blocks as an alternative to opioids.



Dr. Balser cited the QuizTime smartphone app in his "State of the Medical Center" address as an example of innovation in support of the institution's focus on learning as a core competency. This app is being developed through a collaboration between the Departments of Anesthesiology (Leslie Fowler, MEd) and Radiology (Lori Deitte, MD) with the objective of improving the decision-making process of trainees.

Dr. Jane Easdown was named a Top 10 Peer Reviewer by MedEdPORTAL Publications and the Association of American Medical Colleges, recognizing those who have completed at least three reviews and provided the most comprehensive and timely feedback.

Leslie Fowler, MEd, has been accepted by the Vanderbilt University School of Medicine as a full Portfolio Coach Advisor (1 of 10) for the 2016-2017 academic year.

Dr. Chad Greene was elected to the ASA Resident Component Governing Council as National President-Elect.

Dr. Calvin Gruss was elected to the ASA Resident Component Governing Council as National Secretary.

Callie Hanks graduated with a Master of The University

Management in Healthcare degree from Vanderbilt University on September 24,

Callie Hanks was selected for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International (The Association to Advance Collegiate Schools of Business). To be eligible for BGS, students must rank in the top 20 percent of their graduating class. Students are selected on the basis of their cumulative academic record.

> Dr. Stephen Harvey was named section editor for "Mind to Mind," the creative writing section in *Anesthesiology*.

> Dr. Antonio Hernandez has been promoted to Associate Professor of Anesthesiology.

> Rachel Herrmann graduated with a Master of Management in Healthcare degree from Vanderbilt University on September 24, 2016.

> Heather Jackson, MSN, APRN-BC, presented "Advance Practice Providers in Interventional Pain Medicine: Creation of a New Role," at the Sigma Theta Tau International Honor Society of Nursing Region 8 Conference in Mississippi.

Heather Jackson, MSN, APRN-BC, was named a founding member of the NP Special Interest Group for the American Society of Regional Anesthesia and Pain Medicine (ASRA).

Dr. Tracy Jackson has been promoted to Associate Professor of Anesthesiology.

Dr. Adam King presented Grand Rounds Consult Service at Texas Health Science Center at Houston.

Dr. Avinash Kumar led the Advanced Mechanical Ventilation and Difficult Airway workshop at the Neurocritical Care Society Annual Meeting in Washington, DC, where he also presented a poster titled "Myasthenic Crisis: Epidemiology, economics and outcomes."

Dr. Avinash Kumar was appointed to the Fellowship and Education Committee for the Society of Critical Care Medicine, January 2017-January 2020.

Dr. Marcos Lopez was awarded a 2-year NIH Loan Repayment grant via the National Heart, Lung, and Blood Institute for his study of perioperative endothelial function in the Risk of Oxygen During Cardiac Surgery (ROCS) trial. The mentor on this project is Dr. Josh Billings.

Dr. Camila Lyon's poster, "Task shifting in setting of shortage of first responders in Mozambique," received the 2nd Society of Anaesthetists of Hong Kong poster prize in the Education and Development category at the 2016 World Congress of Anaesthesiologists.

Dr. Matthew McEvoy visited Kenya, where he offered training to Impact Africa partners on topics such as "Team Response to Emergency Obstetric Cases."

Dr. Matt Riess has been selected to serve on the VUMC Limited Submission



Seven Vanderbilt CRNAs had the opportunity to present five different posters at the American Association of Nurse on the Perioperative Anesthetists' (AANA) Annual Congress in Washington, DC, last week. Their collaborative efforts with our anesthesiologists produced some heavy traffic and discussion in the poster sessions. Congratulations to all who were involved!

Opportunity (LSO) review committee. The LSO Committee is charged with reviewing internal applications to select the most competitive for development into full applications that represent the institution in nominations for major awards (e.g., Pew, Searle, Keck Foundation).

Dr. Warren Sandberg was invited to serve on the search committee for a new Chair of Vanderbilt's Department of Biostatistics.

Dr. Joseph Schlesinger participated in the 4th World Conference of the International Association for Music and Medicine Conference in Beijing, China, where a mul-

tidisciplinary group presented research on auditory medical alarms, integrating music education in medical education, fMRI studies for a music therapeutic approach to PTSD, utilizing music as a pharmacotherapy for pain, and tailored music prescriptions to ameliorate physician burnout. The 5th World Conference will be held in the summer of 2018 in Barcelona, Spain.

Dr. Liza Weavind has been elected to the Medical Center Medical Board and has received a grant to study Bedside Monitoring from Medtronic.



Please send us your news for inclusion in department publications (Weekly Update, Anesthesia Monitor)!

AnesthesiologyCommunications@Vanderbilt.edu

Residents and Faculty Represent Department at Tennessee Pain Society Annual Meeting



Dr. Okwuchukwu Obi presents his poster at the 2016 Tennessee Pain Society Annual Meeting.

A group of eight of our department's residents presented posters at the annual Division of Pain Medicine, meeting of the Tennessee Pain Society, held in Nashville, Tennessee, November 4-6, 2016.

Dr. Chad Greene's poster, titled "A Therapies."

first place in the 2016 Trainee Poster Competition at the conference. Surgery."

Faculty members on the project included Dr. Chris Sobey and Dr. Jenna Walters.

Dr. Tracy Jackson, Assistant Professor of Anesthesiology in the who serves as a director for the Tennessee Pain Society, acted as moderator of the session on "Emerging

Novel Web-Based Pharmacolog- Dr. David Edwards, Assistant Professor ic Requisition Platform and Data of Anesthesiology and Clinical Service Respository for Targeted Intrathecal Chief for the Inpatient Chronic Pain Drug Delivery Devices," received Service, delivered a presentation titled "Preparing the Chronic Pain Patient for





Save the Date for the TSA Annual Meeting

Date: February 4, 2017

Location: Nashville Downtown Hilton

Watch the TSA Website for details, including a call for posters and PBLD submissions:

https://www.tsahg.com/annual-meeting/



Leadership Announcements



Dr. Kurt Dittrich has been named Interim Chief of the Division of Pain Medicine.



Dr. Alex Hughes has been named Interim Chief of the Division of Pediatric Cardiac Anesthesiology.



Dr. Jill Kilkelly has been named Interim Chief of the Division of Pediatric Anesthesiology.



Dr. Letha **Mathews** has been named Interim Chief of the Division of Neuroanesthesiology.

Department Makes a Splash on Social Media



Dr. Nancy Glass @DrNancyGlass1 · Oct 27

@vanderbilt_anes @VanderbiltU, Congrats Mark Newton. Dr Chestnut's inspiring talk was the Best. Anesthesia. Sermon. Ever. Vanderbilt Strong!



Alexandru Visan @executivecortex · Oct 24

This is not your typical talk on #professionalism. Join David Chestnut now as its a special moment! @ASALifeline #ANES16



AnesthesiaHygiene @AnesthesiaHygie · Oct 24

A humble suggestion-Rovenstein lecture by Dr Chestnut- @ASALifeline must make it available online for free for everyone, #ANES16



Deepak Sharma @deepak_neuro · Oct 24

#ANES16 Congratulations Mark Newton for @ASALifeline #Global humanitarian #Award . Certainly well deserved!



Amol Utrankar @AmolUtrankar · Nov 3

Looking forward to #AnesJC next week, featuring @vanderbilt anes study on NMBA use, reversal, and post-op pneumonia, #ASAMedStudent



Follow us on Twitter for real-time updates: twitter.com/vanderbilt anes

Education Program Coordinators Attend New Conference

Society of Academic Anesthesiology Associations (SAAA), a conference in anesthesiology, included the first al program coordinators, along with annual meeting of the newly formed component of SAAA, the Association of Anesthesiology Program Administrators and Educators (AAPAE).

Leslie Fowler, MEd, Director of Edu- bilt the insititution with the largest cational Development and Research, is one of the founders of the AAPAE

This year's annual meeting of the and serves on the organization's council for 2016-2017.

> our Fellowship Program Coordinator, Elisabeth Hudson, had the opportunity to attend this new conference to enhance their skills in program administration, making Vandercohort in attendance.



Pictured Left to Right: Le'Rae Stanton (OB Fellowship), Katie Nash (Pediatric Fellowship), Rebecca Stadler (Pain Medicine Fellowship), Elisabeth Hudson (Fellowship Program Coordinator), Robin Snyder (Residency Coordinator), La'Keisha Horton (Regional/Acuté Pain Fellowship), and Leslie Fowler (Director of Educational Development and Research). Not pictured: Lindsey Kilgore (CT Fellowship), Kristi Yunker (Critical Care Fellowship), Nicki King (Perioperative Medicine Fellowship).

INNOVATION

IN EDUCATION

VUMC's Department of Anesthesiology introduces new **Fellowship in Perioperative** Medicine

The Department of Anesthesiology has instituted a new Fellowship in Perioperative Medicine, becoming one of a select few academic anesthesiology programs in the country to offer such an opportunity for prospective trainees. Applications are now being accepted for training to start in July 2017.

The term perioperative medicine describes the non-surgical care of patients from the time surgery is considered through the perioperative period and to full recovery. In the practice of perioperative medicine, many medical specialties work in concert to provide optimal outcomes for surgical patients. The medical knowledge distinct to this field includes that of surgical and anesthesia risks and complications, patient-specific risks due to co-morbid medical conditions, and methods by which to reduce risk and manage medical illness in the perioperative period.

The evidence supporting the value of bestpracticesinperioperativemedicineis rapidly expanding, and the full spectrum of this domain of medicine is not covered in any core residency program. In light of this, the Department of Anesthesiology's innovative new fellowship program is designed to place trainees at the forefront of this important area of medicine, preparing them to provide personalized precision perioperative care. For example, if postoperative mortality from cardiac causes (within 30

days of surgery) was considered as a disease entity, it would be the third leading cause of death among adults in the United States. Knowledge of how to properly assess risk and manage medical comorbidities throughout the entire perioperative period stands to make significant improvement in the highest risk patients.

erioperative Medicine is an emergng multidisciplinary concept that healthcare reform has made an essential part of any successful perioperative enterprise. Equipping physicians with the clinical, administrative, financial, and research tools they will need to embrace this new discipline is a key part of VUMC's perioperative strategy, and we are absolutely delighted to provide our full support to this innovative program of physician education.

Dr. Andrew Shaw, Executive Vice Chair of the Department of Anesthesiology and Executive Medical Director of Perioperative Services

The Perioperative Medicine Fellowship is a one-year program that will train participants to be leaders in the clinical and academic research components of their professions, teaching them the skills needed to implement and manage their own perioperative consult service upon completion. Up to four trainees will be admitted into the fellowship each year. During the fellowship program, participants can expect

to gain experience in the following core rotations: Perioperative Consult Service, High-Risk Preoperative Evaluation Clinic, Echocardiography and Cardiac Implantable Electronic Device Management, Research, and a wide variety of electives.

One unique aspect of this new fellowship offering is that it is open to those who have completed an ACGMEaccredited residency program in anesthesiology or in general surgery. Furthermore, faculty instructors in the program come from the VUMC Departments of Anesthesiology, Surgery, and Medicine, making this a truly cross-departmental educational effort - mirroring the collaboration inherent to the concept of perioperative medicine. "Perioperative medicine is the natural destination of the increasing collaboration between the anesthesia and procedural services. This is necessary and will enable best practices to be instituted in a standardized fashion to improve patient outcomes. Through the leadership of Dr. Matthew McEvoy, Vanderbilt is and will continue to be a leader in this field," says Dr. Seth Karp, Professor and Chairman, Department of Surgery.

To learn more about the new Perioperative Medicine Fellowship, including information on how to apply, visit the Department of Anesthesiology's website at www.vandvdreamteam.com.



Welcome New Department Members



Ashley Burdette CRNA



Adam Canter, MD Fellow, Divison of Pediatric Anesthesiology



Greg Carpenter, MD Fellow, Division of Pain Medicine



Catherine Clark

Associate, PCRI

Clinical Trials

Jeffery Clemmons, MD Fellow, Regional Anesthesiology and Acute Pain



Joel Conway Clinical Trials Associate, PCRI



Sara Nelson Research Analyst III. VAPIR



Irida Nikolla, MD Fellow, Division of Cardiothoracic Anesthesiology



Lavanya Nookala Application Developer, CRISS



Brooks Ohlson, MD Fellow, Division of Anesthesiology-Critical Care Medicine



Jason O'Neal, MD Fellow, Division of Cardiothoracic Anesthesiology



Jordan Patterson Administrative Assistant II, Division of Anesthesiology-Critical Care Medicine



Daltry Dott, MD Fellow, Division of Pain Medicine



Joy Dunavant CRNA



Holly Ende, MD Assistant Professor. Division of Obstetric Anesthesiology



Fellow

Laura Gardner, MD Joonyup Eun, PhD Fellow. Division of Postdoctoral Research Pediatric Anesthesiology



Melissa Gerke Program Coordinator, Faculty Affairs



Business Intelligence Analyst I, VAPIR



Jason Pollack, MD Fellow, Division of Pediatric Anesthesiology



Brandon Rein, DO Tiffany Richburg, MD Assistant Professor. Fellow, Regional Division of Anesthesiology and Cardiothoracic Acute Pain Anesthesiology



Leslie Schornack, MD Fellow, Division of Obstetric Anesthesiology

GM121711-01).

Faculty Members Receive NIH Funding



Emma Schremp Research Assistant II. CRISS



Brandon Gish, MD Fellow. Division of Pain Medicine



Yin Guo. PhD Postdoctoral Research Fellow



Scott Harshman, MD Fellow. Division of Obstetric Anesthesiology

Erich Klintworth

Associate, PCRI

Clinical Trials



La'Keisha Horton Administrative Assistant II. Division of Ambulatory Anesthesiology

Kelly Kohorst, MD

Fellow, Division of

Cardiothoracic

Anesthesiology



Patrick Jablonski, PhD Senior Statistical Analyst, VAPIR



Harrison Johnson Administrative Assistant II. VAPIR



Rebecca Shah CRNA

Zachary Stevens

Associate, PCRI

Clinical Trials



Matthew Stansbury, MD Fellow, Division of Anesthesiology-Critical Care Medicine



Le'Rae Stanton Administrative Assistant II. Division of Obstetric Anesthesiology



This grant is aimed at identifying potential immunomodulatory strategies as a means of offering protection against infection in burn patients, through the study of toll-like receptor agonists and the signaling pathways they mediate.

Dr. Pratik Pandharipande and Dr. Chris Hughes will serve as co-investigators on a grant that was recently approved for NIH funding for the INSIGHT-ICU study (R01-NIGMS). The PI on the grant is Dr. Mayur

Dr. Julia Bohannon has received funding from the NIH for her study titled "Enhancing Resistance to Infection after Burn Injury with TLR Agonists" (R01





Elizabeth Sutherland CRNA



Kathryn Tippey Postdoctoral Research Fellow, CRISS

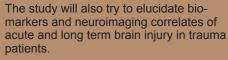




Patel (Trauma/ Surgery).



This study aims to evaluate the interaction of macro (e.g., TBI) and micro diffuse (delirium) brain injury on long term cognitive outcomes, including impact on return to employment, taking into account in-hospital factors as well as post critical illness variables such as social support/



The grant will cover a 5-year period of enrollment of 900 patients in this cohort



Elliott Karren, MD Fellow, Division of Anesthesiology-Critical Care Medicine



Anesthesiology

Jesse Kiefer, MD

Fellow, Division of

Critical Care Medicine

Anesthesiology-

Ingrid Laubach Willem Lombard, MBChB Associate Professor, Administrative Assistant II, Division of Cardiothoracic



Fellow, Division of

Critical Care Medicine

Anesthesiology-

Nitin Mehdiratta, MD Fellow, Division of

Anesthesiology-

Critical Care Medicine



Anesthesiology-

Critical Care Medicine

Rafal Kopanczyk, DO

Critical Care Medicine

Fellow, Division of

Anesthesiology-





Matthew Kynes, MD

Assistant Professor.

Division of Pediatric

Anesthesiology

Fellow, Division of Anesthesiology-Critical Care Medicine



Assistant Professor. Division of Pediatric Anesthesiology



Assistant Professor. Division of Ambulatory Anesthesiology



Division of Multispecialty Adult Anesthesiology

and follow-up.

Recent Publications

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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.

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