



# SLEEPY TIMES

VOLUME 16, ISSUE 7 JULY 2022

# JULY

## MESSAGE FROM THE CHAIRMAN: RESIDENT AND FELLOW GRADUATION

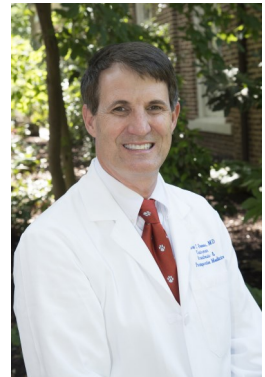
-SCOTT T. REEVES, MD, MBA

What a night was June 24! Finally, after two years of absence or truncated resident and fellow graduation, the department was able to host a normal process. No masks, families and faculty present. It was a wonderful evening.

The Dr. John E. Mahaffey Resident of the Year Award went to Dr. Blank Winkles. The Dr. Laurie Brown Resident Teacher of the Year Award went to Dr. Jim Papadea. Finally, the Dr. Jerry G. Reves Resident Researcher of the Year Award went to Dr. Matt Graves.

On the faculty side, Dr. Burke Gallagher was named the CA 1 Faculty Teacher of the Year and Dr. Jafer Ali was named the CA2/3 Faculty Teacher of the Year.

Congratulations to all the awardees. I hope everyone enjoys the pictures below and the other festivities highlighted in this edition of *Sleepy Times*.



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**Dr. John E. Mahaffey  
Resident of the Year—  
Blake Winkles**



**Dr. Laurie Brown Resi-  
dent Teacher of the  
Year—Jim Papadea**



**Dr. Jerry G. Reves Resi-  
dent Researcher of the  
Year—Matt Graves**



**CA 1 Faculty Teacher of the  
Year—Burke Gallagher**



**CA2/3 Faculty Teacher of the  
Year—Jafer Ali**



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**OPENING STATEMENT CONTINUED**



**OPENING STATEMENT CONTINUED**



**PEDIATRIC FELLOWSHIP GRADUATION—AMANDA REDDING, MD**

June 2022 marks the year end for the second class of pediatric anesthesia fellows at MUSC. It has been a great year! We were limited by the pandemic on and off, but thankfully earlier this month, we were happily able to get together with our fellow and our families to celebrate as his “last year” of training comes to an end. I would additionally like to highlight our fellow, his background, and what his plans are after graduation. Congrats Dr. McMillan! We are excited to have you at MUSC again next year!

David McMillan grew up in a naval family, moving across the country before settling in Mississippi. Here he met his wife Kellye, an art director, prior to completing medical school at the University of Mississippi. While completing an Anesthesiology residency at the University of Tennessee, their son Connor was born. As a family they enjoyed hiking and exploring the Smoky Mountains. David was thrilled to join the Pediatric Anesthesia Fellowship program at MUSC following residency. Since moving to Charleston, he and his family have loved making new friends, enjoying local food spots, and sightseeing. Upon completion of his pediatric anesthesia fellowship, he plans to join the Regional Anesthesia and Acute Pain Medicine Fellowship at MUSC.



## LEARN A LITTLE MORE ABOUT OUR NEW CA1S



## 2022-2023 CA-1 Class

**Nolan Bagnol**

I grew up in Greenville, South Carolina and graduated from Clemson University with a degree in Bioengineering. I then went to medical school here at MUSC. In my free time, I enjoy fishing, bike riding, running, and board games.

**Dylan Bieber**

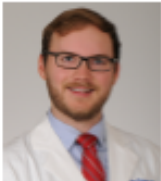
I was raised in Brooklyn, MI where I attended high school. I completed my undergraduate degree in human biology at Michigan State University. I worked as a microbiology research assistant and medical scribe while participating in volunteer and mission work for two years before applying to medical school. I obtained my MD at Indiana University School of Medicine as a member of the rural health medical education track. My fiancé Meghan and I live in Mount Pleasant, and can be found exploring Charleston, trying new restaurants and breweries, or enjoying different beaches when we aren't working. We're hoping to celebrate our wedding in the fall of 2023!

**Ryan Campbell**

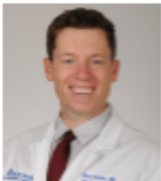
Ryan was born in Connecticut and raised in Batesburg-Leesville, SC until 2001 when he enlisted in the U.S. Army. He served two tours in Kuwait and Haiti prior to attending flight school, eventually becoming an AH-64D Apache Longbow Pilot-in-Command, Aviation Safety Officer, and Air Mission Commander of multi-aircraft operations with two combat tours in Iraq and Afghanistan. After leaving service in 2012, he attended USC Columbia for undergraduate and medical school (despite being a Clemson fan). He lives on John's Island with his wife, Leslie, and three children, Ella, Millie, and Jack. He enjoys anything outdoors, especially kayaking, great BBQ, and attending Clemson football games.

**Matt Holt**

I was born in Virginia and raised in Conway, SC where I earned my Bachelor of Science Degree in Biology at Coastal Carolina University. After college, I worked as a scribe for a local community hospital and traveled on medical mission trips throughout Latin America before continuing on to complete my medical degree at MUSC. I enjoyed life in Charleston so much that I decided to stay at MUSC for my anesthesia residency training. Some of my favorite hobbies include surfing, golfing, and playing music.

**Will Irick**

Will was born and raised in Orangeburg, SC after which he went to Presbyterian College in Clinton, SC where he majored in Biology and sang in the PC choir. He move to Charleston in 2016 and received a Masters of medical science from MUSC before going on to medical school also at MUSC. He and his wife Margaret enjoy traveling to the mountains and watching Formula 1.

**Jake Jarecke**

I was born and raised in a small town in Nebraska, and then eventually went on to undergrad and medical school at the University of Nebraska as a proud Cornhusker. I met my wife, Emma, there and we decided to trade cornfields for the beach, although we'd never been to Charleston prior to moving here. We live on James Island with our yellow lab and two cats, and we spend most of our free time doing outdoor activities or trying local breweries.

**Farris Langley**

I was born in Miami, Florida and raised in Hilton Head, SC. I completed my BS in Biology at the College of Charleston and earned my medical degree at MUSC. Charleston has become my home and I am looking forward to officially beginning my anesthesiology training this year! When I'm not in the hospital, I love to try all of the new restaurants in Charleston, go to the beach, work out, spend time with my fiancé, Tyler, and golden retriever, Huck.

**Matt Lebow**

Matt was born and raised in Los Angeles. He attended George Washington University in Washington, DC where he majored in Political Communication. Matt then lived in NYC for several years working as a bartender before moving to Burlington, Vermont for medical school. He enjoys all things outdoors, LA sports teams as well as exploring Charleston's food/bev scene.

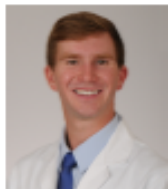
## LEARN A LITTLE MORE ABOUT OUR NEW CA1S



## 2022-2023 CA-1 Class

**Josh Muccitelli**

Charleston native, grew up on Isle of Palms. Wando high school 2010, Charleston Southern 2013 BS Biochemistry. I worked in hospice/palliative care for 3 years before attending USC SOM Greenville. Love being back in Charleston! Outside of work, I enjoy spending time with my friends, fishing/shrimping, sailing with CORA, and I'm restoring a '98 Melex golf cart in my spare time.

**Davis Osborn**

My name is Davis Osborn and I am originally from Greenville, SC. I graduated from Clemson University in 2017 with a major in Microbiology followed by my medical degree at MUSC. When I am not at work, you can find me on the water in search of the next big catch.

**Taylor Ouellette**

I was born and raised in Maine, completing my undergraduate degree in Biology at the University of Maine and my medical degree at the University of New England College of Osteopathic Medicine. In my free time, I enjoy practicing hot yoga, baking, and bringing my pups Franklin and Scarlet to the beach.

**Robert Shebiri**

Robbie was born in New York City and raised in Long Island, NY before attending Binghamton University where he earned a degree in Financial Economics. He then worked for 7 years as an options and equities trader before ultimately deciding to enter the field of medicine. He went on to complete the post-bacc pre-health program at New York University. He then moved to Raleigh, NC to complete medical school at Campbell University. Robbie lives on Johns Island with his wife Gabrielle (ortho spine PA at MUSC), their daughter Hailey (1 year old), and yellow lab Cooper (4 years old).

**Richard Uhlenhopp**

I grew up on a farm in Iowa and after a wonderful childhood around airplanes and football, I went to Iowa State University and studied microbial genetics. I then moved to that college out east (U of Iowa) for med school. In between I spent a little time in East Asia. Since moving to Charleston I've been trying to experience some non-midwestern things like sailing and beach volleyball. I've also started to love cooking and am excited to cook for new friends after I move into a house with my fiancé after our wedding in August.

**Molli Walker**

I'm originally from Augusta, GA, but Charleston has become home. I studied biology and business at College of Charleston, and then worked in family medicine at Roper and helped my husband open a wine shop before attending medical school at MUSC. Outside of work, I have a complicated relationship with two mini doodles and love hiking, game nights, yoga, anything outdoors.

**Harper Wilson**

Harper was born and raised in Winston Salem, NC. He earned degrees in Molecular Biology and Neuroscience at Johns Hopkins University and did research in the Lineberger Cancer Center at UNC before receiving his MD back in his hometown at the Wake Forest School of Medicine. He lives in West Ashley with his wife Holli, dogs Luna and Griffin, and cat Sir Purr, and he enjoys woodworking, Formula 1 racing, and anything dog-related.

## US NEWS AND WORLD REPORT RANKS THE MUSC PEDIATRIC HEART PROGRAM #4 IN THE COUNTRY

In addition, the survey is comprised of 3 sections: outcomes, process, and structure. Although these specific details are not provided on the website, out of 193 programs that submitted data we were ranked #1 in the country for the outcomes portion of the survey.

Some specific areas within the survey follows. **Dedicated pediatric anesthesiology services were ranked as excellent.**

### Survival after congenital heart surgery

Relative survival in the hospital and 30 days from discharge after congenital heart surgery, adjusted for operative and patient risk, evaluated over past four years.

① Very High



### Prevention of complications following certain heart procedures

Relative success in preventing complications following tetralogy of Fallot repair, ventricular septal defect repair, and arterial switch operations for transposition of the great arteries.

① Very High



### Survival after Norwood/hybrid surgery

Relative survival at one year after undergoing the first in a series of reconstructive surgeries, evaluated over past four years.

① Very High



### Advanced clinical services offered

Such as dedicated pediatric heart OR, remote monitoring and congenital heart disease clinic.

① Excellent



### Clinical support services offered

Such as programs in vascular tumor, pediatric pain management and anesthesia.

① Excellent



### Advanced technologies available

CT angiography, cardiac MRI, 3-D mapping, cryoablation, RF ablation.

① Excellent



### Has fulltime subspecialists available

Such as pediatric cardiologists and cardiothoracic surgeons.

① Excellent



In addition, MUSC was ranked # 30 for pediatric nephrology, #31 for pediatric cancer and # 41 for pediatric gastroenterology. The whole department should take great pride in our scores. Achieving high ratings across these many categories is truly a team effort!

## REGIONAL DIVISION REPORT—SYLVIA WILSON, MD

The Regional Anesthesia Division is one that has experienced great growth and success in the last decade. With only 4 division members at one time, the regional division is now comprised of 13 Core Division Faculty, 4 Associate Faculty (allocated to other divisions within the department but helping with basic regional anesthesia at ART, RT, or West Campus), and 4 regional anesthesia fellows. Our team leadership includes our newly appointed fellowship director, Dr. Renuka George, our rotation directors, Drs. William Barrett (ART), Tara Kelly (UH/RT), & Chis Wolla (UH/RT), our site leaders, Dr. Jackson Condrey (ART), and medical directors, Drs. Eric Bolin (UH), Renuka George (RT), and Carey Brewbaker (West). While Dr. Sylvia Wilson serves as both the former (2010-2016) and current Division Chief and outgoing fellowship director (2014-2022), Drs. Wes Doty, Tom Epperson, Andrew Klein, and Jennifer Matos frequently assist with interdepartmental and quality meetings.



In 2020-2021, the division placed over 9000 peripheral nerve blocks across four MUSC locations. Not just for the OR anymore, the regional anesthesia division collaborates with over 20 surgical and non-surgical services across campus. In addition to anesthesia and acute pain management, blocks are placed to assist with lung function, limb salvage, graft survival, radiation therapy, and even cessation of life-threatening arrhythmias. Thus, while we promote resident competency in 6 core block areas, we practice and teach over 40 types of regional techniques and approaches.

Academically, we are an extremely productive group. We have 3 ongoing IRB-approved studies with one other prospective RCTs under IRB review, two more in the design stages, and a QA practice evaluation to be presented at the next research meeting. This year alone, we served as lecturers, presented on panels, participated in workshops, and served on committees at three major national and one regional anesthesia meeting. Notable meeting presenters included Drs. William Barrett (NC-SC, ASRA), Jackson Condrey (ASA), Ellen Hay (ASRA), Tara Kelly (ASA), Jerry Johnston (ASRA), Hunter Tipton (ASRA), Chris Wolla (ASA), and Sylvia Wilson (ASA, ASRA, NC-SC). Concurrently, our division had over ten peer reviewed publications in 2021-2022.

We also added many new elements to our educational and clinical practice this year. Notably, many of these efforts were led by our UH/RT resident rotation directors, Drs. Tara Kelly and Chris Wolla.

Monthly simulations for regional emergencies

Development of the “regional roadmap” in collaboration with Dr. Jimmy Kennis. This online resource accessible to everyone with information on how the rotation runs, what blocks we do for what procedures and surgeons, and educational links

Visual aids on the UH regional cart for teaching regional anatomy

Revision of our progress and consult notes for improved efficiency, quality, and billing, in collaboration with Drs. Brendan Moore and Chris Fatora

Updates to procedure notes and orders

Other collaborative projects to directly improve patient care included the addition of the “regional handoff square” on the perioperative face sheet led by Dr. Andrew Iglesias and creation of patient informational handouts for outpatient perineural catheters and pumps led by Dr. William Ellison. (Still trying to sync this with EPIC!) Finally, Dr. Ellen Hay led a major surgical communication effort this year to update our block preference list to improve expectations for both the surgical and anesthesia care teams.

In summary, we are a growing and busy division. We enjoy clinical care and collaboration with numerous services across MUSC and remain committed to education and research. We look forward to seeing everyone in – and out – of the OR.



## RESEARCH CORNER

The Joint Commission Journal on Quality and Patient Safety 2022; 000:1–10

## Systems-Level Factors Affecting Registered Nurses During Care of Women in Labor Experiencing Clinical Deterioration

Samantha L. Bernstein, PhD, RNC, IBCLC; Kenneth Catchpole, PhD; Teresa J. Kelechi, PhD, RN, FAAN; Lynne S. Nemeth, PhD, RN, FAAN

**Background:** Maternal morbidity and mortality are at their highest recorded levels in the United States, with more than 50% of maternal deaths deemed preventable. Women in labor often experience gradual morbidity, but signs of worsening condition may not be noticed by clinicians. Nurses are well-positioned to notice these signs, but performance obstacles inhibit nurses' work. There is scant literature describing the obstetric work system. This study sought to identify the systems-level factors affecting registered nurses during care of women in labor experiencing clinical deterioration.

**Methods:** A convergent parallel mixed methods design combining survey data from the adapted Performance Obstacles for ICU Nurses instrument and semistructured interviews with registered nurses, certified nurse midwives, and physicians was used. Data were collected on the labor and delivery floor of a tertiary care center in Boston from July 2021 through August 2021. Interviews were coded using Bradley's integrated deductive and inductive methods and the Systems Engineering Initiative for Patient Safety (SEIPS) categories.

**Results:** Data included 46 surveys and 16 interviews. Identified performance obstacles were in the categories of tasks, tools and technology, and physical environment. Emergent themes included *swamped*, *feeling inadequate*, and *is this safe?*

**Conclusion:** Issues with task overload, tools, and technology inhibit nurses' abilities to respond appropriately to women in labor who experience clinical deterioration. Emergent themes imply a relationship between task overload and burnout. Health care administrators should improve staffing, decrease nurse task load, and include bedside nurses in the redesign of tools and technology to mitigate the harms of performance obstacles.



Ken Catchpole, PhD



Ken Catchpole, PhD

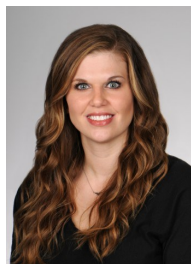
## Human Factors Integration in Robotic Surgery

Ken Catchpole<sup>1</sup> , Medical University of South Carolina, Charleston, USA, Tara Cohen<sup>2</sup> , Cedars-Sinai Medical Center, Los Angeles, CA, USA, Myrte de Alfred<sup>1</sup>, Medical University of South Carolina, Charleston, USA, Sam Lawton<sup>1</sup>, Medical University of South Carolina, Charleston, USA, Falisha Kanji<sup>2</sup>, Cedars-Sinai Medical Center, Los Angeles, CA, USA, Daniel Shouhed<sup>2</sup>, Cedars-Sinai Medical Center, Los Angeles, CA, USA, Lynne Nemeth<sup>1</sup> , Medical University of South Carolina, Charleston, USA, Jennifer Anger<sup>3</sup>, UC San Diego, CA, USA

## Telemedicine for Anesthesiologists



Kathryn Harter Bridges, MD<sup>\*</sup>, Julie Ryan McSwain, MD



Katie Bridges, MD



Julie McSwain, MD

RESEARCH CORNER



Journal of Cardiothoracic and Vascular Anesthesia

Volume 36, Issue 8, Part B, August 2022, Pages 3212-3215



Case Report

Superior Laryngeal Nerve Block Attenuates Refractory Cough in a Patient With COVID-19 on Extracorporeal Membrane Oxygenation Awaiting Lung Transplantation

Maria Yared MD, Kendall W. Headden MD, William F. Barrett DO, Drew O. Boehmer DO, Patrick E. Britell MD



Maria Yared, MD



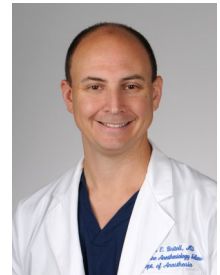
Kendall Headden, MD



William Barrett, DO



Drew Boehmer, DO



Patrick Britell, MD

SAYING GOODBYE TO OUR RESEARCH ASSISTANTS

Take the opportunity to say goodbye to our two research assistants this month. Kaylee Massman will be leaving to start medical school at USC Greenville and Ryan McFadden will be doing research in the Department of Orthopedics as he submits his medical school applications this week. They both were an important component of our research mission. I know we all wish them the best.



**KUDOS ON THE AIRWAY SIMULATION PUBLICATION!**

John and Jerry,

Fan-mail is rare in professional circles which boosts my delight in writing this note. The MUSC anesthesia team has performed a great service to the medical community with publication of Clark et al., Emergency subglottic airway training and assessment of skills retention of attending anesthesiologists with simulation mastery-based learning, in *Anesthesia and Analgesia* (2022). The finding that even attending physicians have clinical skill deficits, revealed by reliable measurement and corrected using simulation-based mastery learning, is not unique to anesthesiology. What's great about this work is not just identifying the problem, but also setting up a powerful education intervention to fix it. Publication of this study sets a high standard for other academic departments and medical specialties to emulate. So hat's off for a job well done! You should pop a champagne cork for a great team effort. Best wishes.

Bill McGaghie

William C. McGaghie, PhD  
Professor of Medical Education  
Professor of Preventive Medicine  
Northwestern University Feinberg School of Medicine  
Department of Medical Education  
Northwestern Simulation and  
Feinberg Academy of Medical Educators

**RIVERDOGS WELCOME PARTY**

**THE DEPARTMENT OF ANESTHESIA AND PERIOPERATIVE MEDICINE**



**SUNDAY, JULY 10, 2022**

**RIVERDOGS STADIUM**

**360 FISHBURNE ST CHARLESTON, SC**

**GRAND ROUNDS- JULY 2022**



**Subspecialty Meeting**

**July 5, 2022**



**“Chronic Regional Pain Syndrome”**

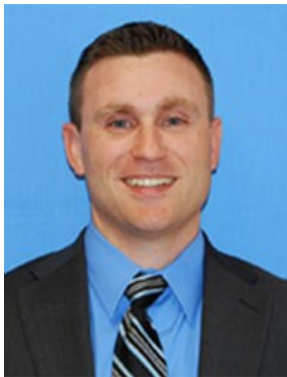
**July 12, 2022**

**Johnathan Goree, MD**

**Associate Professor**

**Department of Anesthesiology**

**University of Arkansas for Medical Science**



**“Thoracic Outlet Syndrome”**

**July 19, 2022**

**Andrew Lobonc, MD**

**Associate Professor**

**Department of Anesthesiology**

**University of North Carolina at Chapel Hill**



**“Equitable Care in Pain Medicine”**

**July 28, 2022**

**Meron Selassie, MD**

**Assistant Professor**

**Dept. of Anesthesia & Perioperative Medicine**

**Medical University of South Carolina**

DEPARTMENT OF ANESTHESIA AND PERIOPERATIVE MEDICINE

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**I HUNG THE MOON**

Please don't forget to nominate your co-workers for going 'Beyond the Call of Duty.' I Hung The Moon slips are available at the 3rd floor front desk and may

Jenny Ann Smoak, Glenda Ross, Tammie Matusik, Chloe Regalado: Thank you all so much for saving the day for the resident, fellow graduation dinner event! Y'all are truly amazing and I don't know what we would have done without your help!!! -- Elizabeth Morrison

[CHECK OUT OUR WEBSITE](#)

**Future Events/Lectures**

**Intern Lecture Series**

- 7/14—ICU Overview—Hannah Bell
- 7/21—Pain Management—Marty Burke

**CA 1 Lecture Series**

- 7/6—Patient Preop and Handoff PBL—Ryan Smith
- 7/13—Airway Management—Savannah Hurt
- 7/20—Perioperative Emergencies & ACLS—Mike Gukasov
- 7/27—Anesthesia Machine & Technology—Rishi Patel

**CA 2/3 Lecture Series**

Per Rotations



Follow us on Facebook, Instagram, and Twitter:

<https://www.facebook.com/MUSCANesthesia/>

<https://www.instagram.com/musc.anesthesiology/>



Holiday Party  
Saturday, December 3rd, 2022  
Carolina Yacht Club

**ONE MUSC Strategic Plan**

**We Would Love to Hear From You!**

If you have ideas or would like to contribute to *Sleepy Times*, the deadline for the August edition will be July 20, 2022.