DEPARTMENT OF ANESTHESIA AND PERIOPERATIVE MEDICINE



SLEEPY TIMES



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VOLUME 19, ISSUE 6 **JUNE 2025**

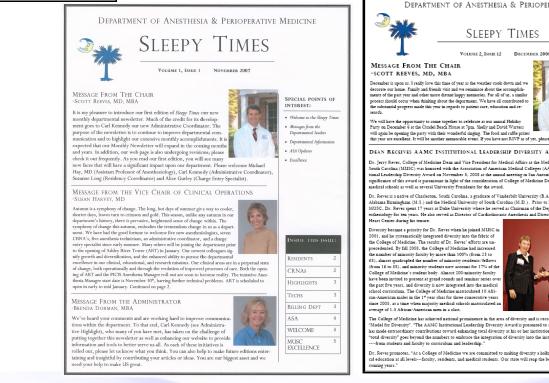
MESSAGE FROM THE CHAIRMAN: IUNE MARKS THE 200TH EPISODE OF SLEEPY TIMES

-Scott T. Reeves, MD, MBA

In November 2007, the department launched our newsletter, *Sleepy Times*. June marks the 200th edition. This is quite a milestone. As a new chairman, I was being mentored at the time by Dr. Jack Feussner, Chairman of the Department of Medicine.



At one of our sessions, he stated that I should start a departmental newsletter. It was an opportunity to highlight all the accomplishments that were occurring within the department. Initially, I thought it would be quarterly, but with our rapid growth across the clinical, educational and research domains it necessitated a monthly cadence. Below is a sampling of the chairman messages over the past 200 editions. I think it will serve as a reminder of the issues we faced and our steady progress as a department. **ENJOY THE MEMORIES!!!**





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OPENING STATEMENT CONTINUED

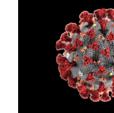








spring





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NEW NEUROANESTHESIA DIVISION LED BY AMANDA FAULKNER, MD

The Department of Anesthesia and Anesthesia ICCE are pleased to highlight the early beginnings of a division of Neurosurgical Anesthesia at MUSC, which plays a key role in the care of patients undergoing brain and spine surgery. In close collaboration with neurosurgery, neurology, intraoperative neuromonitoring, and neurocritical care, our anesthesiologists provide specialized perioperative care for patients with stroke, intracranial vascular pathology, brain tumors, traumatic brain injury, degenerative spine disease, and complex conditions such as Ehlers-Danlos syndrome. These patients often require nuanced anesthetic management tailored to protect neurologic function, minimize complications, and support safe recovery.

Guided by our mission—enhancing the delivery of neurosurgical anesthesia through innovative clinical care, educating others, and engagement in neurosciences community outreach—the division aims to actively develop coordinated

perioperative care pathways. These efforts will emphasize thoughtful preoperative evaluation, intraoperative neuromonitoring, and collaborative postoperative care that may only improve through careful investigation and iterative quality improvement. In addition to the clinical work, there is commitment to advancing education for all learners and to fostering a culture of collaboration within the neurosciences community. For those interested in learning more or becoming involved, please reach out to Amanda.

ACADEMY OF MEDICAL EDUCATORS BY CATHERINE TOBIN, MD

I am a recent inductee into the Academy of Medical Educators (AME). The Academy was established in 2012 thru the College of Medicine. It is not new to MUSC, but I just learned about this valuable academy; so, I wanted to share and promote AME to everyone in our department. Directors for AME are Paul McDermott, PhD. and Mary Ellen Gusic, MD Professor in Pediatrics. Currently there are 60+ members. I am the only member from the Department of Anesthesia. I would love others to join! I wish I had known about and joined this group a decade ago! It is free to join and offers member benefits that are priceless!

The mission of AME is to promote excellence in education and to support educators to grow in ways that allow them to show up fully as they collaborate with learners and prepare them for their future careers. Bringing peopled together who are passionate about education contributes to the College of Medicine and University's missions.

The AME hosts journal clubs, lectures, workshops, and medical education grand rounds. They also offer a fellowship for applicants seeking educational innovation and teaching topics with up to a \$10,000 stipend. I recently attended sessions on "How to Give Feedback to Learners" and "Career Paths for Educators. "I am looking forward to the June session titled "Engaging Gen Z Learners." All AME sessions are recorded and can be watched again on the AME website.

Other member benefits are helping to improve your teaching portfolio, mentoring opportunities, peer review and guidance, collaborative project opportunities and faculty development and leadership training.

Here is a link to current members.

https://medicine.musc.edu/faculty-affairs/academy-of-medical-educators/ame-members

To apply and read more about AME, please visit the website below. There are two membership categories Developing Teacher (medical residents, fellows, faculty) and Teaching Scholar (more experienced faculty and education specialist)

https://medicine.musc.edu/faculty-affairs/academy-of-medical-educators





SOAP 2025 BY LATHA HEBBAR, MD

The theme of the 2025 Annual SOAP Meeting was "Leveraging Technology for Better Outcome: Improving Lives of Patients & Clinicians." It featured high-quality research presentations, and a dynamic program focused on the latest advances in the practice of obstetric anesthesia. The keynote speaker was Ashley Duque Kienzle - a leader and expert in the ethical appli-



cation of artificial intelligence (AI) for behavior change. The much anticipated and attended session of the annual SOAP meeting is the Gerald W Ostheimer lecture titled 'What's New in OB Anesthesia' – a compilation of clinically significant and relevant articles published in the past academic year. The speaker this year was Emily Sharpe from Mayo Clinic. MUSC's representation and participation this year was from Nikke Bowerman CA-1 and Paris Thompson MS 3. Unfortunately, the OB faculty had time conflicts and were unable to attend. Nikke and Paris did an outstanding job presenting at SOAP. They presented a total of 4 abstracts – one of them presented by Nikke was chosen for Best Case Reports (Tyler Kalajian, the first author, was unable to attend)





A Narrowing case of Subglottic Stenosis in Pregnancy: multidisciplinary approach for optimal maternal and fetal outcomes

Kalajian TA, Bowen R, and Hebbar L (Presenter:

Nikke Bowerman, MD)

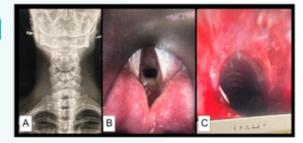
Background

- Subglottic stenosis (SS) while rare can be life threatening and challenging to manage in pregnancy
- Multidisciplinary approach includes obstetricians, otolary ngologists and anesthesiologists.
 Most cases of SS in the literature report.
- Most cases or ss in the interfature report intervention during pregnancy with balloon dilation and/or CO2 laser with inherent risks of uteroplacental compromise and fetal hypoxia.
- We report a case of \$\$ treated with radial incision and balloon dilation immediately after cesarean delivery (CD).

The Patient

- 29-year-old G1P0 at 36 weeks gestation
 Recurrent subglottic stenosis of traumatic etiology
- Worsening exertional dyspnea, biphasic stridor and chronic hoarseness. Admitted to antepartum service, and ENT consult obtained.
- Chest X-rays: severe tracheal stenosis (A)
 Nasopharyngeal fiberoptic revealed circumferential 80% \$\$ with a roughly 2mm aperture of airway patency. (B)

- Management
 Prioritized CD prior to airway intervention due to the risks of airway surgery
 during pregnancy
- At 37 weeks a healthy breech baby was delivered uneventfully via CD under spinal anesthesia.
- Patient's neck was infiltrated with lidocaine for an emergency awake tracheostomy if needed.
- Following CD and incision closure, general anesthesia was induced and maintained with propofol, rocuronium for relaxation and jet ventilation commenced.
- Suspension laryngoscopy revealed the circumferential stenosis (8), which was successfully treated with Kenalog injection, sickle knife radial incisions and balloon dilation x 2 to 12 atm (C).
- Patient tolerated the procedure well and emergence was uneventful.





Take home points

- This case highlights the challenges of managing SS in pregnancy, where airway obstruction and the need for surgery are complicated by maternal and fetal concerns.
- Although difficult intubation rates are similar in pregnant and non -pregnant patients, the rate of failed intubations is higher in pregnant patients
- Pregnancy-induced anatomical and physiological changes increase the risk of rapid desaturation with hypoxia due to reduced FRC and increased oxygen consumption.
- Hormonal changes can cause upper airway edema, making intubation challenging.
- Given these risks, delaying airway surgery if possible until after delivery is recommended.
- While multidisciplinary approach is critical to the management of these cases, patients' participation in the decision making is <u>pivotal</u> for optimal outcomes.

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SOAP 2025 BY LATHA HEBBAR, MD



A Student's Perspective: Paris Thompson, MUSC COM Class of 2026

"Attending the Society for Obstetric Anesthesia and Perinatology (SOAP) 2025 Annual Meeting in Portland, Oregon—my first medical conference and first solo trip—was an unforgettable experience. I explored a new city, discovered the close-knit world of obstetric anesthesia, and even got to visit the iconic setting of my favorite movie, The Goonies. #GooniesNeverSayDie

The conference theme, "Leveraging Technology for Better Outcomes," highlighted advances like new developments in ultrasound-guided neuraxial techniques and AI-assisted general anesthesia. Still, the most impactful moments came from passionate discussions among experts—debating differences in anesthesia plans, when they would switch to GA, how BMI influences their ultrasound use in neuraxial, their preferences for CPAP vs. HFNC when extubating certain populations. These conversations underscored that while technology is advancing rapidly, it serves not to replace, but to enhance the foundational skills and clinical judgement that remain essential. I'm incredibly grateful to Dr. Hatter and Dr. Hebbar for making this opportunity possible and supporting my journey."

<u>A Resident's Perspective: Nikke Bowerman CA-1.</u> "SOAP 2025 was a valuable opportunity to learn more about various approaches in managing complex obstetric anesthetic cases and advocating for the health of pregnant patients through hearing from other institutions, developing research and obstetric anesthesiologists. The MUSC Obstetric Anesthesia Department had several cases that contributed to these discussions, and I am so grateful to have attended and take part of the discussion."

NEW HUMAN FACTORS TEXTBOOK—CONGRATS TO KEN CATCHPOLE, PHD

HUMAN FACTORS AND ERGONOMICS IN HEALTH AND SOCIAL CARE AN APPLIED APPROACH



Chartered Institute of Ergonomics & Human Factors AND KEN CATCHPOLE

ASRA 2025 BY CHRIS WOLLA, MD

The 50th Annual Regional Anesthesiology and Acute Pain Medicine Meeting was held in Orlando, FL from May 1-3. Attended by Sylvia Wilson and Chris Wolla (with cameo appearances by the wonderful Renuka George and Emily Nelson), this years installment of the premier regional anesthesia conference was deemed by many as a great success! Dr. Wilson continued in her role as ASRA Faculty with heavy involvement throughout the meeting. She bounced to and fro with grace and poise between four workshops (two as Lead Faculty) in addition to serving as the Chair of Educators in Regional Anesthesia SIG

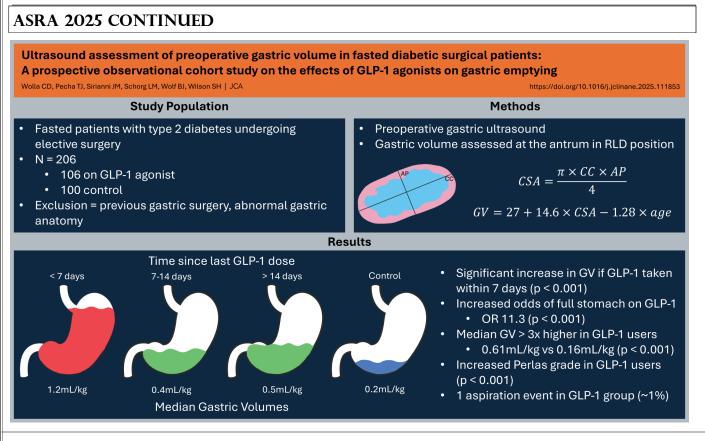
while also serving on the Meeting Planning Committee for the 2026 meeting in Phoenix, AZ. Dr. Wolla displayed grit working through a right foot injury to present his research on GLP-1 agonists and its effect on preoperative gastric volume which won awards including Best of Meeting abstract and the President's Choice Award. He had the honor and privilege to give the first podium presentation of the conference which was followed by a panel discussion that included the "Mother of gastric volume assessment" Dr. Anahi Perlas (of the Perlas grading system). Both Drs. Wilson and Wolla were involved in the regional anesthesia fellowship meet and greet and regional fellowship directors meeting in lieu of Dr. Tara Kelly.



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SAFETY HERO-DR. MARIAH TANIOUS

Safely Speaking™ MUSC Health Daily Safety Tip

Safety Hero: Dr. Mariah Tanious, Anesthesia Provider

Dr. Mariah Tanious, an anesthesia provider in the SJCH OR/Procedural Area, has consistently demonstrated exceptional

effort in maintaining and enhancing emotional safety for our

pediatric surgical patients. A toddler-aged patient presented with a quiet but playful affect, and the mother elected to participate in our parental presence at induction program, choosing to forgo additional premedication to assist with anxiety and coping during the patient's mask induction.

As the team transitioned to the OR, the patient became increasingly quiet and less inter-

active—drastically different from the child's earlier playful and bright affect. Once in the OR, Mariah helped minimize unnecessary environmental stimuli and slowed down the induction process. She built rapport through play, used a gentler voice and physical interactions, and incorporated the patient's mother as the primary source of comfort.

Mariah's ability to meet patients and families where they are—regardless of their comfort level, situational anxiety, or perceptions of medical experiences—is one of her greatest strengths. She is an invaluable asset in developing and implementing coping plans for children and their families.



MUSC Health

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EPIC UPDATES

New Specialty Supply Charges Menu by Tim Heinke, MD

A new epic feature recently went live. It is a menu that allows for charges for supplies that can't be captured via our procedure notes. Take a few minutes to familiarize yourself with the items on this list. Many are high dollar supplies that we don't want to miss the opportunity to submit billing charges for. So please remember to select the items in this menu when you use them for a case. Reach out to your medical director or CRNA manager with questions regarding which supply charges are relevant to your area.

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Intraoperative Neuromonitoring by Amanda Faulkner, MD

In ongoing efforts to continue to improve awareness of cases that will utilize intraoperative neuromonitoring, our IOM colleagues have implemented a new, easily accessible, IOM dashboard within Epic. If the case has been posted correctly, all IOM cases will now both have the pre-existing neuron icon and appear on the dashboard. This should hopefully facilitate assignments as well as decrease incidences of miscommunication. If there are cases routinely being incorrectly posted (read: IOM requested, but no advance notice through current channels mentioned previously), please let me know via a (Secure) email with surgeon name, case, and MRN. My hope is that we are always in iterative improvement until we find what works best for the entire team.

The new dashboard name is 'MUSC OR Neuromonitoring Cases;' for interested team members, it can be searched for and favorited as shown below.

🚍 Main 🚍 ART 🚍 RT 🔄 M-NORA 🎯 A-NORA 🎯 My Cases ╞ 🖓 Pre 🗊 Intra 🗯 Post 🧬 OR 20 Postop Pain Block 📋 Orders 🗦 Pre R								
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RESEARCH CORNER

SLEEPY TIMES

🐼 eLife

Reviewed Preprint v2 • April 2, 2025 Revised by authors



Neuroscience

Adolescent alcohol exposure promotes mechanical allodynia and alters synaptic function at inputs from the basolateral amygdala to the prelimbic cortex

J Daniel Obray, Erik T Wilkes, Michael D Scofield, L Judson Chandler 🐸

Department of Neuroscience, Medical University of South Carolina, Charleston, United States • Department of Anesthesia and Perioperative Medicine, Medical University of South Carolina, Charleston, United States



Michael Scofield, PhD



Impact of Single-Lumen Versus Double-Lumen Endotracheal Tube on Postoperative Swallowing Function in Lung Transplantation Patients: A Single-Center, Retrospective Cohort Study

by Rishi Ashok Patel ^{1,*} ^{\[\]}, Haley Nitchie ¹ ^{\[\]}, Bethany J. Wolf ² ^(b), Cecilia Taylor ¹ and Loren Francis ¹ ^(b)

- ¹ Department of Anesthesiology and Perioperative Medicine, Medical University of South Carolina, Charleston, SC 29425, USA
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- * Author to whom correspondence should be addressed.

J. Clin. Med. 2025, 14(9), 3075; https://doi.org/10.3390/jcm14093075



Rishi Patel, MD



Haley Nitchie, MHA



Bethany Wolf, PhD



Loren Francis, MD

SLEEPY TIMES

GRAND ROUNDS—JUNE 2025



"Transcatheter therapies for tricuspid regurgitation are here! "

Nick Amoroso, MD, Associate Professor

June 3, 2025

Dept. of Medicine, Division of Cardiology Medical University of South Carolina





Jon Ha TBD— Paul Sh "Analg Ryan V

"Regional Anesthesia for Cardiac Surgery" -Jon Handy, MD, CT Fellow

IBD— Paul Shanahan, MD, CT Fellow

"Analgesia for Cardiac Surgery" -Ryan Valk, MD, CT Fellow

June 10, 2025

Dept. of Anesthesia & Perioperative Medicine Medical University of South Carolina



"TIVA for adult cardiac surgery. Beyond PONV prophylaxis."

Tim Heinke, MD, Professor

June 17, 2025

Dept. of Anesthesia & Perioperative Medicine Medical University of South Carolina

"Management of Pulmonary Hypertension in Non-Cardiac Surgery "

Martin Steine, MD, Assistant Professor

June 23, 2025

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DEPARTMENT OF ANESTHESIA AND PERIOPERATIVE MEDICINE

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CHECK OUT OUR WEBSITE

Future Events/Lectures

CA 1 Lecture Series

June-independent study for exams



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



Follow us on Facebook, Instagram, and Twitter:





Graduation June 13, 2025 Founders Hall

Holiday Party Saturday, December 6, 2025 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 July edition will be June 18, 2025.