



SLEEPY TIMES

VOLUME 13, ISSUE 6 JUNE 2019



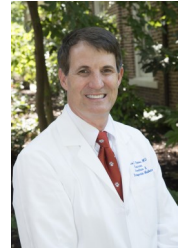
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MESSAGE FROM THE CHAIRMAN:

PEDIATRIC ANESTHESIOLOGY FELLOWSHIP APPROVED BY ACGME

-SCOTT T. REEVES, MD, MBA



I am pleased to announce that the Department has been approved to host a Pediatric Anesthesiology Fellowship starting on July 1, 2019. We have been approved for a total of 4 positions.

This has been a 4-year effort and could not have occurred without the leadership of Amanda Redding and Marc Hassid, who carried the torch for the Pediatric Division. Dr. Redding will serve as our first Pediatric Fellowship Director. We all relied heavily on the expertise of Residency Program Director, GJ Guldán, and Program Coordinators Laura Seeback Matthews and Susan Watson. It speaks volumes about our educational standing with the ACGME that we were given complete approval with our first attempt. Please congratulate them all.

The timing for this program is excellent, as we have just opened the Keith Summey Pavilion, and the Shawn Jenkins Children's Hospital will open in October. We hope to enter the match process during the next available cycle. Our work to train the next generation of pediatric anesthesiologist specialists is just beginning!



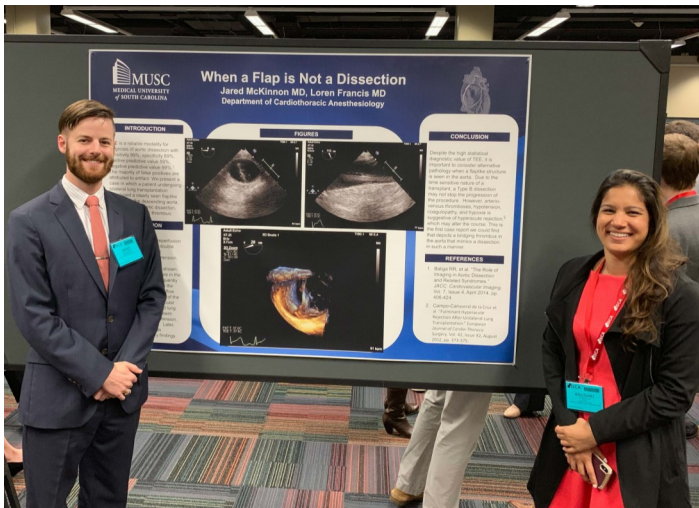
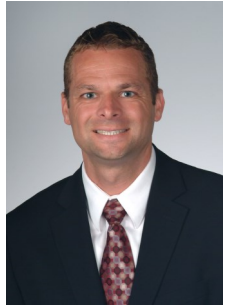
SCA ANNUAL MEETING BY ERIC NELSON, DO

The 41st Annual Society of Cardiovascular Anesthesiologists Meeting was held in Chicago May 18-21st and, as usual, MUSC was well represented. Our fellows, Anushri Desai and Jared McKinnon, both presented posters. It's always great to see an audience rapt with attention as they present unique, challenging, and difficult cases to colleagues.

George Whitener attended the fellowship program directors meeting to learn the latest and greatest on our fellowship program, including getting closer to a CT Anesthesia board exam. Tim Heinke represented us well on committees regarding quality and as part of the opioid task force. He was able to learn how to better leverage the expansive STS Database to help with research and improve quality of care.

I had the opportunity to participate in the pacemaker/ICD workshop, providing education on the use of magnets in the perioperative period, and also hands-on use of programmers. I also gave a lecture on VADs and ECMO and did some hands-on teaching with a perfusionist on various ECMO machines.

Besides celebrating a birthday, Dr. Reeves attended leadership meetings and got to see the unveiling of the 4th edition of his TEE textbook. We were all able to go to other various talks to learn about ERAS for CT surgery, right heart protection, and renal protection. There was a large emphasis on physician burnout as well, which was nice to see.



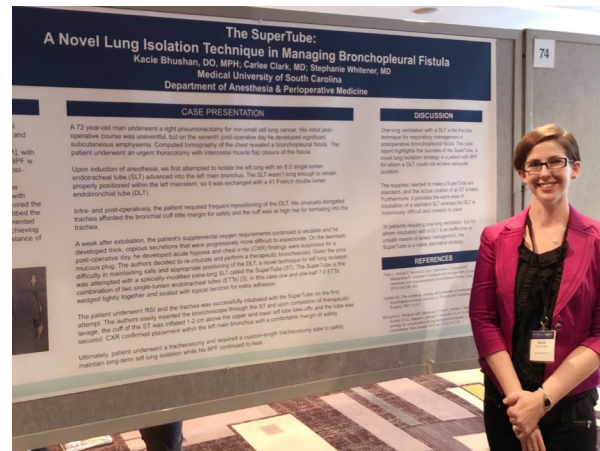
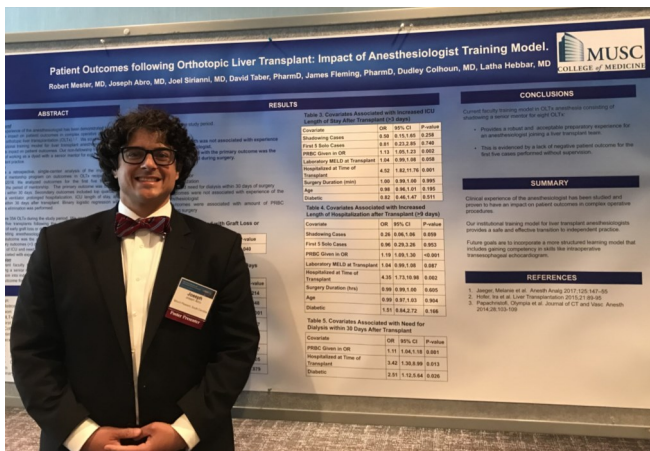
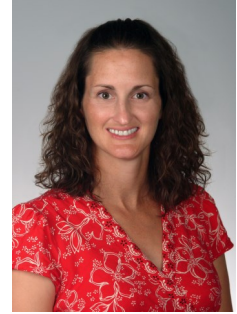
Despite all the learning that took place, we made sure to help prevent burnout by partaking of some of the fine food that Chicago has to offer, walking around the beautiful city, and team building at a baseball game. Next year's SCA is in West Palm Beach, and I'm certain it will offer just as many, if not more, educational opportunities - not to mention a break from the Michigan winter for myself!



IARS ANNUAL MEETING BY SYLVIA WILSON, MD

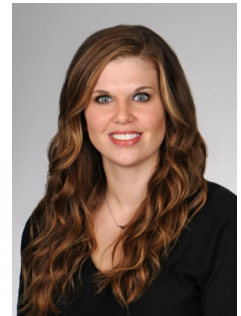
The International Anesthesia Research Society (IARS), Society of Critical Care Anesthesiologists (SOCCA), and Association of University Anesthesiologists (AUA) held a combined annual meeting in Montreal, Canada this year. Lectures ranged from basic science and clinical research to leadership development and wellness.

MUSC's Department of Anesthesia and Perioperative Medicine was well represented throughout the meeting. Dr. Ken Catchpole spoke on a APSF panel regarding eliminating medical error in the operating room. Dr. Carlee Clark served on several committees for SOCCA. Drs. Julie McSwain and Sylvia Wilson led problem based learning discussions regarding considerations for the care of the geriatric patient undergoing elective surgical procedures. Dr. Kacie Bhushan presented a poster of a medically challenging case while Dr. Joseph Abro presented research by our liver transplant team. Also in attendance were Drs. Hannah Bell and Maxie Philips. Great job to all!



SAMBA ANNUAL MEETING BY KATHRYN BRIDGES, MD

The 2019 SAMBA annual meeting, held in Austin, TX in early May, was attended by Drs. Tod Brown and Katie Bridges. Dr. Brown participated in two nerve block workshops where new types of blocks were introduced and various block techniques were demonstrated. Dr. Bridges presented a research abstract entitled "Risk Factors for Operative Bleeding During Uterine Evacuation Procedures." Dr. Bridges, in her role as Vice Chair of the Committee on Scientific Papers, also moderated three abstract poster sessions and served as one of three "Excellence and Innovation" judges. This award category recognizes the abstract of highest scientific value and is judged following a PowerPoint presentation from each award candidate during the general conference session. Lastly, Dr. Bridges judged the abstracts eligible for the White Mountain award, a recognition reserved for residents presenting abstracts of high scientific merit, and participated in SAMBA's annual business meeting. Overall, MUSC was well represented at SAMBA 2019.



Risk Factors for Operative Bleeding During Uterine Evacuation Procedures

MUSC Medical University of South Carolina
Kathryn Bridges, MD, Sylvia Wilson, MD, Angela Dempsey, MD, and Dominique Williams
Authors have no financial disclosures.

Background

Dilation and curettage (D&C) and dilation and evacuation (DAE) are surgical uterine evacuation procedures commonly performed in the ambulatory surgical setting. Median blood loss during 2nd trimester DAE increases with gestational age and is typically <600 mL. Hemorrhage is uncommon with a reported prevalence of approximately 1% or less,¹⁻⁴ but definition of hemorrhage varies. Prior studies have examined risk factors for increased blood loss including obesity,⁵ gestational duration, type of anesthesia,⁶ and history of cesarean section.

Objective

The primary aim of this study was to identify perioperative and patient factors associated with increased bleeding during surgical uterine evacuation procedures at our institution.

Study Design

Retrospective, cohort study

- CPT codes used to identify patients undergoing surgical uterine evacuation procedures over a 50-month period
- 383 cases met inclusion criteria
- Exclusion criteria: uterine evacuation performed in office setting or via non-surgical means

Primary outcome: recorded blood loss

- Secondary outcomes: transfusion, hospital readmission

Associations between blood loss and other variables were examined using linear regression models.

Data collected: age, race, BMI, medical history, parity, gestational age, prior C/S, anesthetic type, uterotonic medications administered, recorded blood loss, pre- and postoperative hematocrit, receipt of transfusion (volumetype of products administered), and need for readmission.

Tables and Figures

Characteristic	n	%
Median gestational age (IQR)	20.0 (18.0-22.0)	100
Median blood loss (IQR)	500 (300-700)	100
Median hematocrit (IQR)	35 (32-38)	100
Median transfusion (IQR)	0 (0-1)	100
Median readmission (IQR)	0 (0-1)	100

Factor	n	%
Procedure type		
D&C	150	39
DAE	233	61
Anesthesia		
General	100	26
Regional	283	74
Parity		
0	150	39
1	150	39
2	80	21
3	23	6
4	10	3
5	10	3
6	10	3
7	10	3
8	10	3
9	10	3
10	10	3

Factor	Estimated % Increase	95% CI
1 week increase	16.1%	11.1% - 21.1%
5 g/dl decrease	16.1%	11.1% - 21.1%
1 prior cesarean	16.1%	11.1% - 21.1%
1 prior cesarean + 1 prior cesarean delivery	16.1%	11.1% - 21.1%
1 prior cesarean + 1 cesarean technique	16.1%	11.1% - 21.1%

Figure 1. Boxplots of mean blood loss for different gestational age ranges.

Results

- Hemorrhage defined as blood loss > 1000 mL
 - Majority of patients (54.3%) had EBL > 600 mL
 - Six patients had EBL > 2000 mL
 - 2% of patients required transfusion
 - 1 perioperative death due to AFE with EBL > 1000 mL
- 1-week increase in gestational age was associated with a 16% increase in mean blood loss
- 5 g/dl decrease in prep Hct was associated with a 16% increase in blood loss
 - Blood loss was NOT associated with patient BMI, race (P = 0.181), body mass index (P = 0.518), history of prior cesarean delivery (P = 0.518), or anesthetic technique (P = 0.100).
- Hospital readmission was associated with blood loss and receipt of transfusion
 - Each two-fold increase in blood loss was associated with a 32% increase in the odds of readmission (OR 1.32, 95% CI 1.02-1.62).
- Blood loss during DAE was associated with prep Hct, but overall not significant
- Lower prep Hct was a significant predictor of blood loss
- Need a plan to provide transfusion for patients with prep Hct < 32% in 2nd trimester patients

SOAP ANNUAL MEETING BY DAVID GUTMAN, MD

This year's Society of Obstetrical Anesthesia and Perinatology (SOAP) annual meeting was held in sunny Phoenix, Arizona. As someone who has never been to the desert, the weather was dry, clear, and lovely. Phoenix does not have mosquitos or No-See-Ums, whose savage bite my New York skin has come to know all too well.



Some more fun facts about Arizona:

1. The cactus wren is the official Arizona state bird
2. Arizona leads the nation in copper production
3. Arizona became the 48th state on Valentine's Day 1912

On to the conference. Attending physicians included Drs. Hebbar, Marotta, Roberts, and myself. Resident physicians in attendance were Drs. Kilgore, Cumbee, Ayala, and Zhou. Great times were had by all, and we had a departmental family style dinner with the residents' spouses at Maggiano's Italian Restaurant. I've been in a food coma ever since.

Drs. Roberts, Cumbee, and I presented our challenging case reports which were very well received. We learned about what is new in obstetrical anesthesia, the quest for obstetrical centers of excellence, and the planned interventions aimed at addressing the opioid crisis within the obstetrical population. Next year's meeting is in Halifax, Nova Scotia, and I hope to see many of you there.



BRENDA DORMAN RETIRES

After 40 years of service to MUSC, Brenda Dorman, our Executive Administrator, is retiring! Having spent all but four of those years in Anesthesia, this is truly the end of an era. Her MUSC career began at the age of 21 as a temporary employee working in Anesthesia billing. While working at MUSC, Brenda completed a Bachelors Degree at the College of Charleston and MBA from The Citadel. She rose through the ranks until achieving the position of Executive Administrator in 2004 and most recently, Brenda took on the additional role of Anesthesia ICCE Administrator in 2016. Brenda will be spending her first few months of retirement with her husband, Tom, traveling to France and other areas in Europe. We would like to thank Brenda for her many years of devoted service to the Department and wish her all the best for a retirement filled with fun and happiness!



WELCOME TO THE DEPARTMENT

Please welcome Jenny Ann Smoak as the Department's new Executive Administrator! Jenny Ann is a proud mother to Elizabeth Legare (2.5 years) and Thomas Clark, IV (8 months). Her husband, Thomas, works for a local engineering firm as a Senior Geotechnical Engineer. They are both local to the Charleston area. They enjoy boating and fishing on the weekends and spending time with family.

Jenny Ann has been a part of the MUSC family since January of 2011, most recently as the Senior Director of Business Initiatives and Operations Support. She has an undergraduate degree from Clemson University in Management and a Masters in Health Administration from MUSC. She has worked directly for MUSCP and the hospital, but has also worked very closely with the COM and Dean on many initiatives. Jenny Ann has acted as the analytical leader on critical projects including:

- Managed and coordinated MUSCPPC/COM and MUSC Health ICCE professional revenue budget process annually
- Managed MUSC Health clinical FTE process and provider productivity and compensation analyses
- Supported Health System review of new ambulatory expansion initiatives. Prepared the financial projects for new ambulatory surgery centers (North Charleston CAC (+\$50 Million project), West Ashley MSK Institute (+\$40 Million)) and other CON projects (Nexton, East Cooper, etc.)
- Managed Health System Funds Flow initiative inputs and collaborate with College and MUSC Health on guiding principles and modeling
- Supported the College of Medicine Personnel committee and Health System Strategic Manpower new hire review
- Helped support MUSC College of Medicine Dean in the development of a new Faculty Compensation Plan in 2014 and 2017
- Developed Health System ambulatory space utilization report to review and understand clinical throughput and opportunities for enhanced revenue
- Integration of the Regional Health Network physicians into MUSC Health



Welcome To
THE TEAM

EPIC TIP SHEET FOR NEW PROCESS FOR NOTIFICATION OF BLOOD ANTIBODIES



Inpatient Clinicians –New feature notification of Blood Antibodies

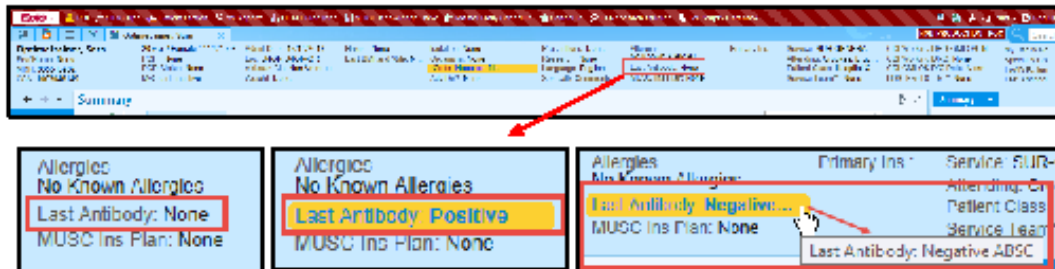
Epic Tip Sheet – Inpatient Blood Antibodies Notification

Published: April 2019

This Epic Tip Sheet handout addresses the new “Last Antibody” header notification and Best Practice Advisory that will trigger when blood is ordered on a patient that has Blood Antibodies.

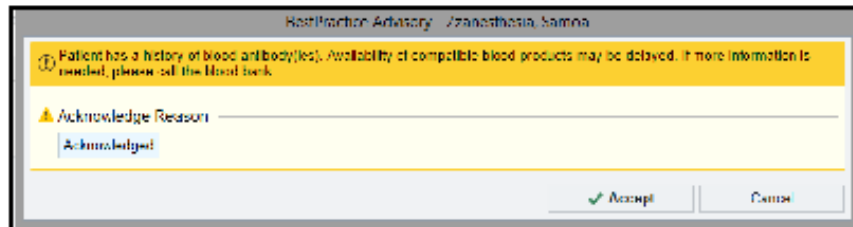
Try It Out

A new section in the header will indicate Last Antibody status of: None, Negative or Positive, depending on the results of previous screening.



Upon placing a Red Blood Cell (RBC) order, a Best Practice Advisory (BPA) will trigger, warning the provider of the patient’s history of blood antibodies. This BPA communicates to the provider the possible delay in processing the RBC order request. For more information regarding availability of blood products, please call the Blood Bank.

- Click Accept to Acknowledge this BPA.



- o The BPA fires once per clinician every 24 hours.
- o It fires at the signing of the orders, and also at open chart if both the positive result and blood order exist on a patient.
- o Canceling the BPA does not silence it.
- o Acknowledging the BPA will silence it for that provider for 24 hours.

RONALD MCDONALD HOUSE DINNER



The residents prepared a fiesta themed dinner at the Ronald McDonald House on May 22, 2019.

Pictured left-right: Will Sumner, John Green, Alex Wharton, Zach Jeanes, Ryan Mims, Jaime Adams, Chris Heine, Martha Anne King

WELCOME TO THE DEPARTMENT

Please welcome Lediae Dixon to the Rutledge Tower Pain Clinic! She started at MUSC in 2015 with Meduflex as a Patient Care Technician II. She has always wanted to be a part of something that matters and a place where she can grow. Lediae joined us in March and said she has already learned so much. Her role in the Pain Clinic is Certified Medical Assistant/Administrative Office Assistant. She is from Moncks Corner and loves to spend her free time with her “little bundle of sass” (her daughter), Serenity, who will be four years old next month.



EBONY HILTON-BUCHHOLZ, MD DELIVERS C OF C COMMENCEMENT SPEECH BY RON MENCHACA FOR C OF C MAGAZINE “THE COLLEGE TODAY”

Doctor’s Orders to Grads: ‘Feel the Rain’

When a highly accomplished, trailblazing medical doctor offers free life advice, you should pay attention. And the graduates at the final ceremony of the College of Charleston’s Spring Commencement on May 11, 2019, seemed to do just that.

Commencement speaker and CofC alumna Ebony Jade Hilton-Buchholz ’04, associate professor of anesthesiology at the University of Virginia, addressed more than 700 graduates from the School of Education, Health, and Human Performance; the School of Languages, Cultures, and World Affairs; and the School of Sciences and Mathematics.



A native of the South Carolina Upstate community of Little Africa, Hilton-Buchholz earned three bachelor’s degrees at the College – in biochemistry, molecular biology and inorganic chemistry – before going on to earn a medical degree from the Medical University of South Carolina in 2008. She made history in 2013 when she became the first African-American female anesthesiologist at the Medical University of South Carolina (MUSC).

During the ceremony, Hilton-Buchholz was awarded a Doctor of Humane Letters degree in recognition of her dedication to the medical profession and her work to address racial disparities in access to healthcare. In addition to her position at the University of Virginia, she is also co-founder of GoodStock Consulting, a healthcare consulting group, a children’s book author, a public speaker and community activist.

Hilton-Buchholz told the graduates that while she is proud of her many professional accomplishments, the greatest lesson she’s learned came from a patient battling a series of infections brought on by pancreatitis. “This lady, I consider her my earth angel,” said Hilton-Buchholz. “She was my ICU patient for eight months. For the last weeks of her life we literally had to resort to opening her abdomen. On a daily [basis], we would wash out her body and pack it with dressings and all this plastic lining to try to keep the infection away from her.”

The patient, an older woman, knew the end of her life was near. All Hilton-Buchholz could do was sit with the woman, hold her hand and talk with her. One day, she asked the woman what she would do if she could do just one thing. “She turned her head and she looked out the window, and I just dropped my head and looked at the ground. And for a moment we were just silent. But when she finally spoke, she turned to me and she said, ‘You know, if I had one wish, it would be to just feel the rain again.’”

Hilton-Buchholz said she managed to hold it together in that emotional moment, but on her way home later, she completely broke down, tears streaming down her face as she thought about what the patient had said. “When I was eight years old I decided I wanted to be a doctor, so I was running on this hamster wheel of getting to these achievements,” said Hilton-Buchholz. “But honestly, in getting to that point I missed out on what the beauty of what life is – and the greatness of what comes with feeling the wetness of rain.”

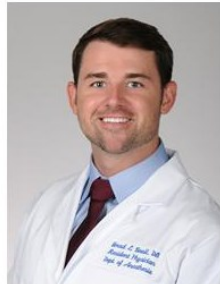
Slow down and appreciate the journey of life, she told the graduates, and take time to appreciate little moments. “Every day God will give you this beautiful tapestry that was only meant for you to see in that moment from your viewpoint,” she said. “So that sunset, it looks incredible. But it wasn’t meant for Instagram. It was meant for you.”

MEET THE NEW CA-1 CLASS

2019-2020 Clinical Anesthesia Year I



Madison Aspiri, MD



Jerad Beall, DO



Drew Boehmer, DO



Taylor Carter, MD



Tripp Cicardo, MD



Dudley Colhoun, MD



Hill Felton, MD



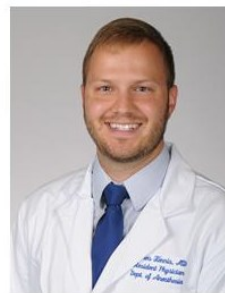
Matthew Graves, MD



Kendall Headden, MD



Matthew Johnson, DO



Jimmy Kennis, MD



Matthew Kofoed, MD



Jim Papadea, MD



Clay Stafford, MD



Blake Winkles, MD

ANNUAL MYQUEST TRAINING DUE BY JUNE 30, 2019

It is time again to complete our MUSC Annual Mandatory Training courses which can be accessed through MyQuest. Training modules are tailored for specific roles in the organization and are due on or before June 30, 2019.

To access your required training modules, use the MyQuest icon found on your desktop and login using your netID and password. Your specific modules will be displayed in the *Enrollments* section of your home screen as seen below.

Remember, these are mandatory and must be completed by June 30.

MYQUEST



MEET THE NEW SUMMER FAER PROGRAM STUDENT



My name is Caroline Schlee, and I am a soon-to-be second-year medical student at the University of Maryland School of Medicine in Baltimore. I am a graduate of the University of South Carolina in Columbia where I received my BS in Biochemistry and Molecular Biology in December 2017. My current interest is in anesthesiology and am always excited to learn and experience new fields. I have a basic research background in cancer biology but since starting medical school, I have started to focus in on clinical research. I have a passion for teaching and working with children and currently volunteer as a first-grade Sunday School teacher at my local church. I was formerly a lifeguard and swim instructor for six years and still greatly enjoy swimming. I am looking forward to my summer in Charleston and am very grateful for this opportunity through the FAER MSARF.

DEPARTMENT WELCOME PARTY

Please join us for the Anesthesia Department's
New Resident and Fellow Welcome Celebration

Saturday, June 29 at 5:00 p.m.

360 Fishburne St., Charleston, SC 29403



Charleston Riverdogs
Baseball Game

Tickets, BBQ, and beer will be provided.
Families and kids are welcome to attend!

Please RSVP by June 14 to Susan Watson
watsons@musc.edu or (843) 792-4316

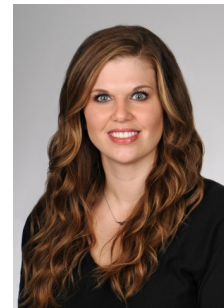


GRAND ROUNDS FOR THE MONTH OF JUNE



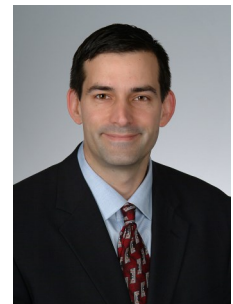
**“Malignant Hyperthermia”
June 4, 2019
Christopher Heine, MD, Assistant Professor
Dept. of Anesthesia & Perioperative Medicine
Medical University of South Carolina**

**“Perioperative Medicine”
June 11, 2019
Kathryn Bridges, MD, Assistant Professor
Dept. of Anesthesia & Perioperative Medicine
Medical University of South Carolina**



**“Neuromonitoring”
June 18, 2019
Stephen Kalthorn, MD, Associate Professor
Department of Neurosurgery
Medical University of South Carolina**

**“Morbidity & Mortality Conference”
June 25, 2019
Renuka George, MD, Assistant Professor
George Guldán, MD, Associate Professor
Dept. of Anesthesia & Perioperative Medicine
Medical University of South Carolina**





DEPARTMENT OF ANESTHESIA AND PERIOPERATIVE MEDICINE

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[CHECK OUT OUR WEBSITE](#)

Future Events/Lectures

CA 2/3 Lecture Series

June 10—OR Management Skills, All Residents, Dr. Clark, CSB 429

Grand Rounds

- June 4—Malignant Hyperthermia, Dr. Heine
- June 11—Perioperative Medicine, Dr. Bridges
- June 18—Neuromonitoring, Dr. Kalhorn
- June 25—Morbidity & Mortality Conference, Drs. George and Guldan



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 reception desk and may be turned in to Tammie Matusik. Thank you!



Save the Date!



- Resident Graduation 2019**
Friday, June 14, 2019
Founders Hall
- Department Celebration & New Resident Welcome**
Saturday, June 29, 2019
Riley Park
- Holiday Party 2019**
Saturday, December 7, 2019
Carolina Yacht Club



MUSC Leading Health Innovation for the Lives We Touch

[Imagine 2020 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 21, 2019.