On June 11, 2019, the Southeast Chapter of the Society of Critical Care Medicine welcomed Dr. Andre Holder, assistant professor at Emory University School of Medicine, to discuss the evidence-based approach to targeted noninvasive respiratory support. Dr. Holder discussed that non-invasive positive pressure ventilation (NIPPV) is an effective method of respiratory support in critically ill patients by providing mechanically-assisted breaths without the need for invasive intubation or surgical intervention. While intubation may be necessary in certain situations, NIPPV can be a useful alternative with fewer complications associated with intubation, such as ventilator-associated pneumonia and chord paralysis. Additionally, NIPPV allows for natural airway protection and is more comfortable for patients than intubation.

The two traditional types of NIPPV are nasal mask and orofacial mask. The benefits of nasal mask are that it has greater comfort, less risk of aspiration, and smaller dead space in comparison to the orofacial mask. However, a disadvantage of a nasal mask is that it can allow for leakage of air through the mouth. An orofacial mask has no mouth leak and also decreases dyspnea, which improves gas exchange in the lungs. Some common indications for NIPPV are acute COPD exacerbation, acute pulmonary edema, heart failure exacerbation, sleep apnea, and post-extubation prophylaxis. However, only COPD exacerbation and acute pulmonary edema have evidence showing that the use of NIPPV reduces intubation and mortality rates.

There is also evidence that shows NIPPV may be beneficial in hematologic malignant patients with acute respiratory distress syndrome or acute lung injury. NIPPV specifically reduces short-term mortality, intubation rates, and ICU days compared to invasive intubation. However, it should be noted that this does not apply to all immunosuppressed patient populations, and clinical judgement should always take precedent when deciding what type of ventilation to provide.

Want to Become More Involved?
For members interested in joining a committee, please contact us at communications@sccmse.org, and let us know how we can get you involved with the Southeast Chapter of SCCM.
On August 13, 2019, the Southeast Chapter of the Society of Critical Care Medicine welcomed Dr. Jerry Zimmerman, Attending Physician in the Pediatric Intensive Care Unit at Seattle Children’s Hospital, Professor of Pediatrics and Anesthesiology at the University of Washington School of Medicine and immediate Past President of the Society of Critical Care Medicine, to speak with the chapter on “Fostering a Learning Health Care Environment in the Intensive Care Unit.” Dr. Zimmerman’s presentation focused on developing a learning healthcare system that includes an interdisciplinary education model with quality improvement. He also emphasized the need to develop a system that integrates clinical research into practice creating the three key elements needed for a learning healthcare system.

Dr. Zimmerman discussed the importance of being aware of the burnout amongst intensivists. He cited the National Academy of Medicine that launched an Action Collaborative on Clinician Well-Being and Resilience to improve challenges that clinicians face and raise awareness of clinician stress and burnout, as well as evaluate evidence-based, multidisciplinary solutions. This idea encompasses both individual and environmental factors that work together to ultimately lead to improving relationships between clinicians and patients.

Dr. Zimmerman also spoke about the concept of the culture of safety in the ICU. The complex, stressful environment creates the perfect storm for errors. There are approximately 148,000 serious or life-threatening errors occur in critical care settings annually. Dr. Zimmerman discussed studies that demonstrated how clinical standard work is improved as new evidence comes along. He explained that the advantages of having a protocol for care delivery in the ICU are: reduced errors of omission, improved ICU efficiency, decreased cost, and maintenance of good care.

The SE Chapter of SCCM would like to thank Dr. Zimmerman for his valuable insights into developing a learning healthcare system in the ICU.

On July 20, 2019, the Southeast Chapter of SCCM hosted a Facebook Live! event with Ashley DePriest, President-elect of the Chapter, and Barbara McLean, Clinical Specialist. This live event discussed family support during visits to the ICU and highlighted the need for family support groups in the ICU setting.

While working at Grady Memorial Hospital, Ms. McLean identified high caregiver turnover in the ICU as a barrier to building rapport with patient families. She explained that while family members can recite medical lingo, the real understanding of the intensive care process related to their loved ones is often poor. She also shared about frustration due to the inconsistent flow of information from medical providers to the families.

Thus, along with two nurses and a social worker, Ms. McLean established an hour-long Monday night meeting exclusively devoted to family support. This time gives families the opportunity to express their understanding of what is happening to their loved one and for support members to explain and ease fears about medical terminology and procedures. Ms. McLean shares that a major component of this support group is self-forgiveness. Through the meetings, the families are able to work through the shock of the circumstances which brought their loved one to the ICU and any self-recrimination they may feel.

Ms. McLean offers guidance on who to select for these support groups and the qualities that make an exceptional team member. She emphasizes the need for a core group who can build a rapport with patient families and allows them to feel safe to open up and share during these sessions. This discussion provides a framework for family support groups which can be effectively implemented in ICUs across the country. If you missed it, this interview can be found on our Facebook page.
The Southeast Chapter of the Society of Critical Care Medicine was proud to host the 6th annual Spike Out Sepsis Atlanta tournament on September 21, 2019 at McPherson Beach in Alpharetta, Georgia. The event was an all-around fun time!

We had 8 teams participate in the 6-on-6 amateur beach volleyball tournament; the farthest team traveled 6 hours from Kentucky to join in the fun. The teams could “purchase” advantages during the game such as re-playing a point or making the other team sit during the serve. We were honored to have sepsis survivors attending the event as well to join in on the fun.

We want to congratulate our winners one more time: The IN2B8TERS from Piedmont Healthcare - great job guys! Together, we raised over $8,000 for Sepsis Alliance to continue their work in the fight against sepsis. Thank you to all of our sponsors and donors who helped make this event possible and helped raise money for such a good cause.

If you would like more information on Spike Out Sepsis Atlanta or would like to be involved in planning next year’s event, please email communications@sccmse.org.

On September 24, the Southeast Chapter held their first ever Silent Auction to support Spike Out Sepsis in Atlanta, GA. The auction was held at, and sponsored by, Monday Night Brewing in West Midtown Atlanta and featured several amazing auctions items. Together we made over $1,200!

We would like to thank our donors: Total Wine and More!, Monday Night Brewing, Zoo Atlanta, Center for Puppetry Arts Atlanta, Nothing Bundt Cakes Sandy Springs, Disney World and Agape Tennis Academy.
Our chapter hosted the Fundamentals of Critical Care Support (FCCS) course on June 22, 2019 at Emory John’s Creek Hospital. Sixteen healthcare providers from various disciplines rotated in small groups through skills stations. FCCS instructors led groups through skills station specific problem-based case scenarios and provided hands on practice with ventilators and non-invasive ventilation.

In addition, twenty-seven people participated in the Emergency Neurologic Life Support (ENLS) course on August 4, 2019 in Atlanta, Georgia. Participants, including physicians, physician assistants, and nurse practitioners, spent the day learning about managing patients with acute neurologic conditions. Overall feedback from the participants for both courses indicated that the content was valuable.

Thank you to all who participated in the events. Please be on the lookout for our future course schedule!

Bite-Sized Lecture Series  

The Southeast Chapter of SCCM is excited to launch a new initiative, the Bite-Sized Lecture Series. This series of hour-long, lunchtime lectures will provide high-yield learning in short, easy to digest segments delivered by lectures of different disciplines and/or professions and will also offer an opportunity for members to gain regional speaking experience. The first Bite-Sized Lecture series will be hosted by the University of Mississippi Medical Center on Wednesday, October 23rd from 12:30-1:30 EST/11:30-12:30 CST. The following topics will be presented:

◊ “Approach to management of status epilepticus in the ICU” presented by Christa O’Hana S. Nobleza, MD, MSCI
◊ “Intraabdominal hypertension/abdominal compartment syndrome” presented by Matthew E. Kutcher, MD, Trauma, Critical Care, and Acute Care Surgery
◊ “Albumin in the ICU” presented by Jorge Castañeda, MD

To register for this event, please visit: http://events.constantcontact.com/register/event?llr=uyyewwrab&oeidk=a07eglymagh80618a14

If you are interested in hosting a future Bite-Sized Lecture Series, please contact Susan Smith, Email: susan.smith@uga.edu.
The Southeast Chapter of the Society of Critical Care Medicine proudly presents a quarterly lecture and discussion on

**TOPIC OF DISCUSSION:**

"Pharmacokinetic Considerations in Critically Ill Patients"

**GUEST SPEAKER:**

Joseph M. Swanson, Pharm.D., FCCM, FCCP, BCPS
Professor of Clinical Pharmacy and Translational Science
University of Tennessee, College of Pharmacy
Professor of Pharmacology
University of Tennessee, College of Medicine

**TUESDAY, NOVEMBER 12, 2019**

5:30 – 7:30 P.M. EST

**DINNER | NETWORKING | EXHIBITORS BOOTH**

**KEYNOTE SPEAKERS PRESENTATION/DISCUSSION**

**Q&A | RAFFLE ANNOUNCEMENT | CLOSING**

5:30 – 6:00 P.M.

6:00 – 7:00 P.M.

7:00 – 7:30 P.M.

**MEMPHIS LOCATION:**

Baptist Memorial Hospital
6019 Walnut Grove Road, Seminar Room 3
Memphis, TN 38120

**LIVE REMOTE BROADCAST:**

Knoxville, TN
University of Tennessee Medical Center

Jackson, MS
University of Mississippi Medical Center

Little Rock, AR
Baptist Health Medical Center

Nashville, TN
Tristar Centennial Hospital

Tuscaloosa, AL
Tuscaloosa Lung, Critical Care, & Sleep

**REGISTRATION**

Registration is required for dinner. This event is not commercially sponsored.

Live web cast will be available for remote participation.

Register today!

http://events.constantcontact.com/register/event?llr=uv-yeywwr&oeidk=a07egjpmpbi56fd7c0d

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**STUDENT-LED CRITICAL CARE Live TWITTER CHATS**

Date: December 4, 2019, Noon CST.

Topic: “Half-dose vs. Full-dose Alteplase for PE”

Led by Morgan Frawley
Are you interested in being a Mentor and/or Mentee to or for a healthcare professional in the same or a different discipline? Our new Mentor/Mentee matching program is now open for all Southeast Chapter Members. For more information or to sign up visit our website www.sccmse.org and click “Mentor Mentee Program” at the top of the page.

**Interested In Being a Mentor and/or a Mentee To a Healthcare Professional of Any Discipline**

**Are you an SE SCCM Member?**

This opportunity is open to any member, fully accredited practitioners or trainees in any profession (physicians, pharmacists, nurses, respiratory therapists, APPs, dietitians, etc.).

You may sign up as a mentor, mentee, or both.

You are welcomed to pair with someone outside of your own discipline.
ANNOUNCEMENTS

NOMINATIONS
Nominations for Secretary, Treasurer, and Members-at-Large are open.

Please visit http://survey.constantcontact.com/survey/a07egmc8090k0wxk72p/start to see descriptions of our open positions.

Self-nominations are allowed. Deadline for nominations are November 1, 2019.

THANK YOU TO OUR MEETING SPONSORS FOR THE MONTH OF AUGUST

Have any topics you’d like to hear more about in 2020? Email our programming chair Andrea Newsome at ANDNEWSOME@augusta.edu with topics and speaker suggestions.