

CAROLINAS/VIRGINIAS CHAPTER OF THE SOCIETY OF CRITICAL CARE MEDICINE

MEMBERSHIP NEWSLETTER- SUMMER 2018 VOL. 2 ISSUE 2

2018 ANNUAL SYMPOSIUM

HELD IN VIRGINIA BEACH, VA ON JUNE 7TH-8TH

This year marked the 36th Annual Scientific Symposium hosted by the Carolinas/Virginias Chapter, which was held in Virginia Beach, Virginia. Well-rounded critical care education was offered to chapter members and local practitioners. The 5th year of the Annual Pre-Conference Pharmacology Course was pain-themed and included education on sickle cell pain, post-op and chronic pain, non-traditional therapies, and palliative care. Over 10 hours of continuing education live contact hours were provided over 2 days. The symposium featured expert speakers and covered multiple facets of critical care. Topics included ARDS and ECMO, antibiotic stewardship, critical care in the austere environment (aka "ICU in a rucksack"), Enhanced Recovery after Surgery (ERAS), toxicology related to street drugs, and pain management focused on ketamine, opioid abuse, and the ABCDEF bundle. The Keynote Address delivered by Dr. Lewis Kaplan discussed workplace violence, preparing for and mitigating active shooter/active killer scenarios, integrating community and hospital resources, and promoting recovery for employees after catastrophic events.



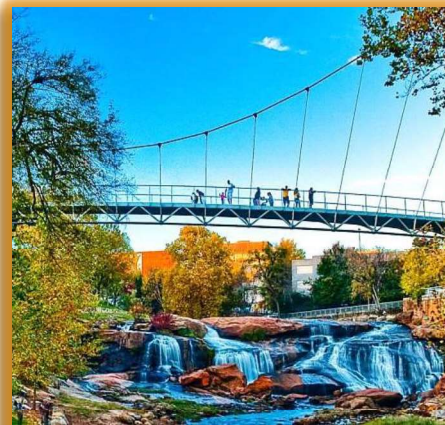
Pictured above (L to R): Heatherlee Bailey, Kwame Akuamoah-Boateng, Carrie Griffiths, and Lewis Kaplan at the 2018 Annual Symposium

SAVE-THE-DATE

Save the date for the 2019 Annual Scientific Symposium and the Pre-Conference Pharmacology Course, which will be held at Clemson University Center for Nursing, Health Research and Innovation in scenic Greenville, SC on June 6th-7th, 2019.

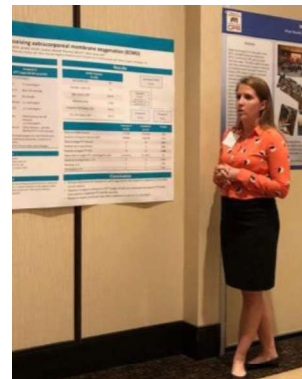


Pictured above: CVCSCCM 2017-2018 Board of Directors



RESEARCH SPOTLIGHT

A total of 25 posters were displayed at this year's Symposium and the top 5 scoring abstracts were presented as platform presentations. This year also featured the first professor walk rounds, allowing researchers to present their work to a team of judges. Awards were given to the top two platform and poster presentations, which are featured below. Congratulations!



PLATFORM PRESENTATIONS

FIRST PLACE: "Evaluation of a New Enoxaparin Dosing Protocol in Trauma Patients Based on Anti-Xa Levels Stratified by BMI" Emily G. Yarborough, PharmD, PGY2 Critical Care Pharmacy Resident, Carilion Roanoke Memorial Hospital

This single-center, retrospective case series compared the safety and efficacy of enoxaparin dosing based on anti-Xa levels in trauma patients with a normal BMI (NBMI) $< 28 \text{ kg/m}^2$ compared to those with a high BMI (HBMI) $> 28 \text{ kg/m}^2$. The study found that an initial dose of enoxaparin 30 mg BID in patients with HBMI resulted in a significant increase in time to an appropriate target anti-Xa level of 0.2-0.5 units/mL. Enoxaparin weight-based dosing adjustments up to a mean of 40 mg BID in the HBMI group did not increase adverse event rates.

SECOND PLACE: "Comparison of Two Heparin Concentrations in a Percutaneous Left Ventricular Assist Device Purge Solution" Sandra N. Rummyantsev, PharmD, PGY2 Critical Care Pharmacy Resident, Carilion Roanoke Memorial Hospital

This IRB-approved, retrospective, pre-post, single-center cohort study evaluated aPTTs in patients who had Impella® placement with 50 units/mL vs. 25 units/mL heparinized 5% dextrose purge solution. There was a statistically significant decrease in percentage of supratherapeutic aPTTs, significantly greater percentage of therapeutic aPTTs, significantly less major bleedings events and zero pump thrombosis in the 25 units/mL group. The institutional change to 25 units/mL heparin purge solution was appropriate.

POSTER PRESENTATIONS

FIRST PLACE: "Anticoagulation Variability with Heparin in Patients Receiving Extracorporeal Membrane Oxygenation" Lucy Stanke, PharmD, BCPS, PGY2 Critical Care Pharmacy Resident, New Hanover Regional Medical Center

This project assessed two weight-based heparin drip protocols that were utilized during ECMO. She found that a dose of 12 units/kg/hr was required to achieve and maintain patients at goal therapeutic activated partial thromboplastin time. There were no differences in bleeding or thrombosis between protocols. Her institution has since updated their heparin drip protocols to initiate patients on heparin at 12 units/kg/hr.

SECOND PLACE: "Bivalirudin versus Heparin for Anticoagulation in a Percutaneous Ventricular Assist Device" Patrick Reed, PharmD, PGY2 Critical Care Pharmacy Resident, Virginia Commonwealth University Health System

This project retrospectively evaluated the use of bivalirudin versus heparin for anticoagulation in patients supported by an Impella® ventricular assist device. Bivalirudin was associated with improved time in therapeutic aPTT range, fewer subtherapeutic aPTT values, and less variation over 20% from previous aPTT value than heparin. However, bivalirudin patients experienced more thrombotic complications related to the percutaneous VAD.

MEET YOUR 2018-2019 BOARD OF DIRECTORS

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GET INVOLVED

CVCSCCM has several committees that provide excellent opportunities for professional development, networking and service. If you are interested in joining a committee, please email the committee chair or cvcscm@gmail.com.

Communications Committee provides chapter updates via email, newsletters, and social media.

Chair: Desiree Kosmisky; desiree.kosmisky@atriumhealth.org

Education Committee organizes and plans the Annual Symposium.

Chair: Sonia Everhart at sonia.everhart@atriumhealth.org

Membership Committee focuses on member recruitment and retention.

Chair: Lisa Kurczewski at lisa.kurczewski@vcuhealth.org

Outreach Committee provides opportunities for service and education locally, regionally, and globally.

Chair: David Starling; davidastarling@gmail.com

Research Committee promotes collaborative research opportunities across the region.

Chair: Audis Bethea; audis.bethea@camc.org

Mentorship Committee will support membership's professional development and leadership. Ellen Harvey will serve as chair. More information will follow pending charter.

2018 PRESIDENTIAL CITATION RECIPIENTS

The following individuals were presented with regional Presidential Citations for outstanding contributions to CVCSCCM at the Annual Symposium. Thank you for your service!

Cindy Zerfoss

Lisa Kurczewski

Erika Setliff

Desiree Kosmisky

Christopher Hogan

Audis Bethea

Sandra Tordoff

Christopher Todd Borchers

Lisa Hall Zimmerman

Rhae Newbill

Carrie Griffiths

Elizabeth Farrington

Ellen Harvey



KWAME'S KORNER

QUARTERLY UPDATES FROM THE PRESIDENT OF CVCSCCM

It is an extreme honor to serve you as your president and stand together as we aim to improve the health of patients and clinicians in our region. Your support and engagement in the

D.A.R.E initiatives over the past year led us in the creation of three essential committees: Research, Outreach, and Mentorship. Through the Research committee, we gained more insight as a chapter on the prevalence of Burnout syndrome (BOS) in the region; 53% of our responders acknowledge some level of BOS. As a chapter, it is essential to improve clinician wellness, which serves as the root of excellence in patient outcomes. The Board of Directors will be meeting in November to discuss strategic initiatives to improve clinician wellness in our chapter.

In December, the Outreach committee will be launching its first international mission work in Kigali, Rwanda providing FCCS/PFCCS to clinicians. Your financial support will be beneficial as we plan to develop a long-standing relationship with the critical care community in Kigali. Please visit <https://www.gofundme.com/fccs-outreach-in-kigali> OR https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=MCG4GHLFGPFTS.

This winter, we will be releasing our operational platform on the newly created committee-Mentorship- to support the membership's professional development and leadership.

I am grateful for your support as I finish my 2nd term as your president in June 2019. I hope to see you at Congress and our 2019 Symposium in South Carolina.

- Dr. Kwame Akuamoah-Boateng, President,
Carolinas/Virginias Chapter

SOCIAL MEDIA

FACEBOOK

We are live and active on our Facebook page! Please follow us for informal discussions and chapter updates. Search "SCCM Carolinas/Virginias Chapter" on Facebook or follow <https://m.facebook.com/groups/169945976351846> and request to join the closed group.

TWITTER

We are also tweeting chapter news and critical care updates! Follow us on Twitter @CVCSCCM.

SHARE YOUR STORY

DOING SOMETHING GREAT?

We want to hear about it! Future newsletters will highlight accomplishments of chapter members and chapter institutions. This includes acquiring new board certifications, publications, awards and accolades, or institution accreditations, to name a few. Send any and all "Kudos" submissions to our chapter email account: CVCSCCM@gmail.com.

EDUCATIONAL EVENTS

Do you have a local or regional educational event coming up? Let us know, and we can highlight it in the next newsletter and on social media for chapter members who might be interested in attending! Send any events to the chapter email account: CVCSCCM@gmail.com.