

Carolinas/Virginias Chapter of the Society of Critical Care Medicine

MEMBERSHIP NEWSLETTER- WINTER 2020 VOL 4. ISSUE 1



Chapter Challenge Results

SCCM challenged chapters to raise funds to expand Fundamentals of Critical Care Support Courses across the globe. Chapters received 20% of all funds contributed. Winners will be honored at SCCM Annual Congress.

Top 3 Fundraising Chapters:

1. Oregon
2. Northern California
3. Carolinas/Virginias

Top 3 Individual Fundraisers:

1. Nikolai Dahl
2. Jennifer LeTourneau
3. Carrie Griffiths

Congratulations CVCSCCM and Carrie! Thank you to all who contributed!

In This Issue:

- Outreach Committee Spotlight with Rwanda FCCS Course
- ECMO Team at Centra Health
- Save-the-dates for Congress, #CVCSCCMjc, and Annual Symposium
- Carrie's Corner
- Membership Kudos

Outreach Committee Teaches FCCS in Rwanda Committee Spotlight

Before the Thanksgiving break, a group of members from CVCSCCM's Outreach Committee made a second trip back to Kigali, Rwanda, East Africa to continue the efforts from the previous year. This year there were two courses of the Fundamentals of Critical Care Support taught to a group of bedside nurses, midwives, and residents from a variety of practice locations across the country. We also met with students who had taken the course last year and had performed well enough to become trainers to do a "train the trainers" course.

The first course was taught by our members and the second course was taught primarily by the Rwandese clinicians with our support. The students overall did well with the course, but struggled with content they had not been exposed to previously. Some of this content was related to economical differences such as the lack of access to arterial catheters/monitoring and interventional radiology. Other parts were cultural differences such as the population's view on palliative care.

During the time between courses, our members were welcomed to round with the nurses, residents, and attendings at King Faisal Hospital. Here we were able to see some of the practices learned last year still being taught to newer staff such as interdisciplinary rounds and including nursing in the clinical judgement/process. We were able to see how much growth had come to the intensive care unit at King Faisal, not solely related to the teaching of the FCCS course, but from the culmination of all the efforts of multiple organizations and efforts.

When not teaching or rounding, our members were able to experience some of what Kigali offers such as amazing food, over the top markets, and some of the friendliest communities. We were able to have dinner with friends from the previous year, celebrate one of our member's birthdays, and reflect on the past at the Kigali Genocide Memorial.

The Outreach Committee plans to continue fostering critical care training both on the local and global scale and welcomes any member of CVCSCCM to join our efforts.

David Starling, MSN, AGACNP-BC serves as the chair of the Outreach Committee. Please contact davidastarling@gmail.com if you are interested in joining or helping to create a Knowledge Education Group (KEG) through SCCM.

Pictured right: (L-R) Megan Scott, JaTori Robinson, David Starling, Dr. Cindy Zerfoss, Dr. Tim Eng, Evelyn Boateng, Dr. Alan Woodruff, Dr. Kwame Boateng



Pictured right: David Starling provides a lecture

CVCSCCM Outreach in Rwanda



ECMO Team at Centra Health

Perspective by Peter Martin, BSN, RN
ECMO Coordinator
Lynchburg General Hospital

Adult extracorporeal membrane oxygenation (ECMO) is a critical means of life support. Centra began to offer this therapy as an Extracorporeal Life Support Organization (ELSO) ECMO Center in November of 2018. ECMO is a therapy utilized to support patients suffering with heart failure, respiratory failure, or a combination of both when conventional therapy has failed. Large bore cannulas are placed into the patient's venous and/or arterial system for the purpose of blood drainage and return. The patient's blood is passed through an artificial lung (oxygenator) and returned to the patient's heart (for respiratory failure) or returned to the patient's arterial circulation (for heart failure) allowing the patient's lungs and/or heart to rest and recover. ECMO is not a cure but often represents a critically ill patient's best chance to either recover, receive a durable ventricular assist device, or receive an organ transplant.

I spent most of my nursing career in some form of emergency medicine. My first five years in nursing were in an emergency department followed by seventeen years on a helicopter. Flying was always a dream but the opportunity to become part of something so important to patients served by Centra Lynchburg General Hospital was irresistible. I found ECMO and the science behind it to be simply fascinating. This program was going to give patients that were otherwise going to die a chance to survive. I could gladly write word after word about the science and physiology of ECMO, but I'd rather focus on the system wide collaboration necessary to successfully build this program from all departments involved at Centra.

Building this ECMO program was a challenging undertaking from a clinical protocol perspective. There is a paucity of evidence-based practice related to ECMO for a variety of reasons. As if that wasn't enough of a challenge, my fears of meeting different levels of resistance while introducing such a new and demanding intervention was enough to keep me up at night. Those worries were short lived. Never in my 22 years of nursing have I seen such a vested and consistent level of engagement and collaboration-the type of collaboration and engagement that drives positive outcomes, the type of collaboration that saves patient lives. Our team of ECMO specialists included nurses from our different specialized intensive care units and several of our registered respiratory therapists. Each specialist dove headfirst into this challenging program, sitting through hours of lectures and practical wet labs to learn how to function in this new role. Our ICU nursing staff eagerly enrolled in our bedside nursing ECMO training. Our lab, blood bank, and radiology departments listened to our needs and tirelessly worked to meet them. The cardiac catheterization lab staff and interventional cardiologists welcomed our ECMO team into the cath lab and willingly partnered with us for the cannulation/ECMO initiation process. Local EMS agencies changed protocols related to pre-hospital CPR to help us offer ECPR to potential ECMO candidates. Nursing supervision has actively been involved and plays a key role with facilitation every time we have an ECMO alert. Our Centra Critical Care Physicians partnered with Lynchburg Pulmonary Associates to form our ECMO managing physician team. Our physical therapy team developed new protocols related to ECMO patient mobility. The collaboration didn't end with clinical providers. Our switchboard operators implemented a completely new alerting system for the ECMO process. Our central sterile unit adopted my equipment cleaning and sterilizing process without complaint. I met not one single instance of resistance. Our program has been involved with 22 patients now and the collaboration from all involved has saved lives. I could not be prouder to have been a part of something so special and life changing.



Pictured above: Christian Butcher, MD, Program Director, cannulates a patient for ECMO

Important Dates and Announcements

Twitter Journal Club: #VITAMINS by #CVCSCCMjc

Kelsey Ohman, PharmD, the current PGY2 Critical Care Pharmacy Resident at Duke University Hospital in Durham, NC, will be hosting a journal club for our Chapter via Twitter on **Wednesday, February 26th, from 8 to 9 pm EST**. Tweet our account @CVCSCCM using the hashtag #CVCSCCMjc.

This interactive journal club will discuss the “Effect of Vitamin C, Hydrocortisone, and Thiamine vs Hydrocortisone Alone on Time Alive and Free of Vasopressor Support Among Patients With Septic Shock- The VITAMINS Randomized Clinical Trial” available at <https://jamanetwork.com/journals/jama/article-abstract/2759414>.

A document for how to get started with Twitter and Twitter Journal Clubs is posted on SCCM Connect and on CVCSCCM.org. Contact us at CVCSCCM@gmail.com if you are interested in hosting future quarterly journal clubs or have an article you would like to discuss. These are a great opportunity for students and residents to get involved!



Carolinas/ Virginias Chapter Events at the Society of Critical Care Medicine's Annual Congress

Orlando, Florida

**Sunday, February
16th, 2020**

**Business Meeting
from 3:15-4:15 pm
EST in Hyatt –
Discovery 47**

Followed by:

**Chapter Reception &
Networking Event
5-6 pm EST at Cuba
Libre Restaurant &
Rum Bar**

**9101 International Dr.
Orlando, FL 32819**

**We hope to see you
there! If you can't
attend, @CVCSCCM
will be tweeting
throughout
Congress with the
hashtag #CCC49!**



Carolinas-Virginias Chapter of SCCM

38th Annual Scientific Symposium
and Pharmacology Pre-Conference
June 4th-5th, 2020

Asheville, North Carolina
Mountain Area Health Education Center

Learn about the latest critical care topics in the magnificent Blue Ridge Mountains of Western NC. A vibrant arts scene, great food, and historic architecture complement the breathtaking views!

Prepare your research abstracts!
Deadline April 1st, 2020

CVCSCCM Annual Symposium Deadlines

Abstracts

Abstracts may be one of the following:

1. An original study
2. Quality assurance/Performance improvement (QA/PI)
3. Case study
4. Systematic comprehensive literature review

Any new or previously presented material is acceptable. Abstracts will be considered for platform or poster presentation. Awards will be given to the top 2 platform presentations, the top 2 clinical posters, and the top 2 QA/PI posters.

Abstracts must be submitted via email to leslyvjh@gmail.com by **April 1st, 2020**. Requirements are available at <https://cvcscm.files.wordpress.com/2020/02/2020-call-for-abstracts-and-posters.pdf>.

Scholarships, Nominations, and Registration

Scholarships will be available to defray the cost of Symposium attendance. Be on the lookout for an email containing the application. The deadline for submission will be **April 1st, 2020**.

Emails will be forthcoming regarding registration, nominations for open Board of Directors positions, and hotel reservations.



Carrie's Corner

Updates from the President of CVCSCCM

Hello CVCSCCM membership! Happy 2020! As I reflect on the chapter over the past year, we had many successes! We continue to grow as a chapter. Several members presented, received an award, or were inducted as FCCM at Congress; our annual Pharmacology Pre-conference and Symposium had a great turnout; we gained new leadership; our outreach committee traveled back to Rwanda, and there were new opportunities for member engagement.

As we move into 2020, I encourage you to become involved. If you are a member, consider joining one of our committees; committee members may consider being a chair or co-chair; you may consider running for the Board of Directors. There are so many opportunities! Not sure where to start? Email us at CVCSCCM@gmail.com and we can help!

Beginning later this month, we will have a new chapter website, available at www.CVCSCCM.org! This will be one of the primary means of communication to our members along with SCCM Connect. As a reminder, make sure you add SCCM Connect to your safe list, so it doesn't go to your junk or spam folders.

Here's to a great 2020 and to our success this year!

Carrie Griffiths, PharmD, FCCM, BCCCP

Star Research Presentation:

- Impact of Delays in Second-Dose Beta-Lactam Antibiotics on Mortality in Sepsis and Septic Shock by John Hammer, PharmD, MBA, BCPS

Safar Global Partner Award:

- Kwame Akuamoah-Boateng, RN, BSN, MSN, ACNP-BC, DNP-c & Abbas Ali, MD

SCCM Annual Congress Research Snapshots:

- IL-10 Suppresses IL-12b Synthesis through Histone Deacetylase 3 Mediation in Alveolar Macrophages in Vitro After Lipopolysaccharide Stimulation from the lab of George Kasotakis, MD, MPH, FACS, FCCM
- Evaluation of Virtual Rounding at Atrium Health Lincoln and Comparison Between Shifts by Carrie Griffiths, PharmD, BCCCP, FCCM
- Clopidogrel-Induced Thrombotic Thrombocytopenic Purpura with Successful Transition to Ticagrelor by Carolyn Magee, PharmD, BCCCP. Dr. Magee co-authored 4 additional abstracts.

Being Inducted as Fellows of the College of Critical Care Medicine:

- Jacob Carmichael, BS, MD
- Bryan Collier, DO, FACS, CNSC
- Kristie Hertel, RN, MSN, ACNP
- Sonia Everhart, PharmD, BCPS, BCCCP
- Michael McCrory, MD, MS
- Jeff Spray, PharmD, MHA, BCPS, BCCCP
- Cindy Zarfoss, DNP, RN, ACNP-BC, MEd
- Kwame Akuamoah-Boateng, RN, BSN, MSN, ACNP-BC, DNP-c

Received Presidential Citations:

- Suresh Agarwal, MD, FCCM
- Timothy Eng, MD
- Elizabeth Emrath, MD
- Sonia Everhart, PharmD, BCPS, BCCCP
- Carrie Griffiths, PharmD, BCCCP, FCCM
- Remi Hueckel, DNP, CHSE, CPNP-AC
- Mark Hamill, MD, FCCM
- Brian Jefferson, ACNP, DNP, FCCM
- Ashish Khanna, MD, FCCP, FCCM
- Stefan Leichtle, MD, FACS
- Carolyn Magee, PharmD, BCCCP
- Michael McCrory, MD, MS
- William Miles, MD, FCCM
- Benjamin Moses, MD, MS
- Bhiken Naik, MD
- David Rosenburg, MD, FAAP, FCCM
- Kyle Rehder, MD, FCCM
- Aamer Syed, MD
- David Starling, AGACNP, BC
- Ankit Sakhuja, MD, MBBS, FACP, FASN
- David A. Turner, MD, FCCM
- Eric. Toschlog, MD, FCCM
- Cindy Zarfoss, ACNP, DNP, MSN, Med
- Kwame Akuamoah-Boateng, RN, BSN, MSN, ACNP-BC, DNP-c

Other Congress Activities:

- Kristie Hertel, RN, MSN, ACNP will be Chair of the Nursing Section Communications Committee.
- David A. Turner, MD, FCCM, is the current Chair of the Pediatric Section.
- The Chair-Elect of the APRN Subcommittee of the Pediatric Section is Remi Hueckel, DNP, CHSE, CPNP-AC.
- Desiree Kosmisky, PharmD, BCCCP, was reappointed to the Tele-Critical Care Committee and will be presenting in "From Bedside to Webside: The Tele-Critical Care Paradigm is Evolving"

Other Activities:

Ghassan Bandak, MD, and Ankit Sakhuja, MD, MBBS, FACP, FASN, provided a point of care ultrasound course including a lecture and hands-on session at the West Virginia Chapter of the American College of Physicians meeting.

This is just a small sample of our Chapter members' accomplishments based on email responses. We congratulate all of these members as well as the many others presenting abstracts and sessions at Congress, serving in leadership roles, and involved in local and regional activities!

Member Kudos

Celebrating Chapter Members' Accomplishments

We want to celebrate you! Future newsletters will highlight accomplishments of chapter members and chapter institutions. This includes new board certifications, publications, awards and accolades, or institution accreditations. Send all submissions to CVCSCCM@gmail.com. We can also highlight local or regional educational events.