

Carolinas/Virginias Chapter of the Society of Critical Care Medicine

MEMBERSHIP NEWSLETTER- SUMMER 2020 VOL 4. ISSUE 2



Joining CVCSM

Benefits of CVCSM membership include networking with multidisciplinary critical care professionals across the region, live education, platforms for research presentations, communication through newsletters and social media, Twitter Journal Clubs, outreach opportunities both locally and abroad, scholarship, multidisciplinary research, and professional mentorship!

Annual fees are only \$45 per year and you do not need to be a member of SCCM to join. Join at: <https://www.sccm.org/Member-Center/Chapters/Carolinas-Virginias>

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38th Annual Scientific Symposium

CVCSM's 38th Annual Scientific Symposium was held virtually on June 5th, 2020. While we missed seeing everyone in person, the Symposium was a great success! We had over 35 participants in the webinar throughout the day. Lewis Kaplan, MD, FACS, FCCM, FCCP, delivered the Keynote Address on biomarkers for clinical decision making in the ICU. Additional topics covered throughout the day included balanced crystalloids in the ICU presented by Ryan M. Brown, MD; acute pulmonary embolism presented by Azeem Elahi, MD; endocrine emergencies presented by Amanda E. Edwards MMS, PA-C; and the latest updates in COVID-19 by Julie Ann Justo, PharmD, MS, BCPS-AQ ID. The afternoon was rounded out with two cardiology topics: management of the sick heart failure patient presented by Stuart D. Russel, MD, and cardiogenic shock presented by Vinay Thonan, MD.

The business meeting, held over lunch, highlighted many of the Chapter's accomplishments over the last year. Committee initiatives were reviewed, and members were encouraged to engage with the Chapter by joining a committee or the Board of Directors. New committee chairs were introduced, including Jana Sigmon, PharmD, BCCCP for Communications, Amanda Edwards, MMS, PA-C for Education, Ankit Sakhuja, MD, MBBS, FACP, FASN for Membership; and Melanie Smith, PharmD, BCPS, BCCCP for Mentorship.

Benjamin Moses, MD, also provided a riveting outreach presentation on his time volunteering with Operation Smile in Ethiopia. He emphasized many of the healthcare disparities present, walking the audience through his time there with a series of stories and photographs. While this effort was not partnered with CVCSM, Dr. Moses is also involved with our Outreach Committee that helps foster local, regional, and global outreach efforts.

All presentations are currently available at <https://cvcsccm.org/education-committee/> and summaries will be provided as a newsletter supplement. The recorded Pharmacology Pre-Conference will be available soon and is eligible for CE credit for up to 3 years. We look forward to seeing everyone next summer in Roanoke, Virginia, for the 39th Annual Symposium!



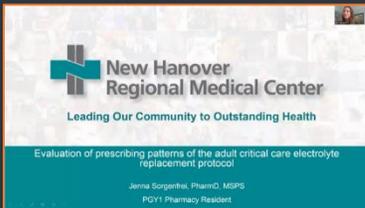
Pictured above: Outgoing Education Chair Sonia Everhart, CVCSM President Carrie Griffiths, and SCCM President Lewis Kaplan kick off the webinar

Platform Presentations

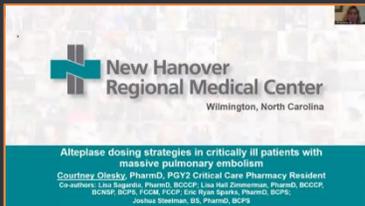
First Place



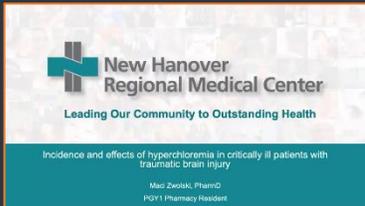
Second Place



Finalist



Finalist



A Light Moment From SCCM President



Abstract and Poster Presentations Highlights

The scholarship and commitment of the CVCSCCM membership were evident through a wide variety of abstracts. Five abstracts were selected for podium presentation, four of whom presented at the Symposium, and six additional posters were presented [electronically](#).

George Kasotakis, MD, MPH, FACS, FCCM and his team from Duke University School of Medicine Department of Surgery earned the first place podium presentation award describing research on acute respiratory distress syndrome (ARDS) after trauma from a query of the national Trauma Quality Improvement Program (TQIP) database. Of over 800,000 cases, nearly 634,000 met inclusion criteria of LOS >48 hrs and outcomes were compared among those with and without ARDS. Among those with ARDS (1.9%), LOS, ICU LOS, and duration of mechanical ventilation were far greater, and mortality was 9 times as high in the ARDS group (19% vs 2.18%). Over the study period (2010-2014), incidence of ARDS decreased but mortality increased for patients who did develop ARDS, while the overall mortality trend for those same years decreased. The greatest risk factors for ARDS were age, male gender, steroids, African American race, presence of a traumatic brain injury (TBI), and injury severity scale (ISS). Risk factors for death included age, male gender, field GCS, and ISS. Incidence of ARDS after trauma appears to be improving slightly, though mortality has increased.

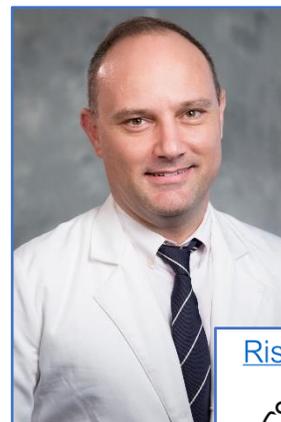
Jenna Sorgenfrei, PharmD, MSPS at New Hanover Regional Medical Center (NHRMC) earned the second place podium award along with Lesly Jurado, PharmD, presenting a retrospective cohort study evaluating electrolyte replacement protocols in adult critical care to identify opportunities for improvement. The evaluation showed that patients frequently required replacement outside of the protocol, most notably that 79.5% of patients in the potassium group required additional electrolyte replacement outside the protocol. Of patients who received phosphorus replacement, 84.6% could have benefited from potassium phosphate as a replacement option. Results were used to make recommendations to improve the protocol to better meet patient needs, and to inform nursing education around management of the electrolyte protocol.

Courtney Olesky, PharmD at NHRMC, presented alteplase dosing strategies in critically ill patients with massive pulmonary embolism, and Maci Zwolski, PharmD, also of NHRMC, presented on the incidence and effects of hyperchloremia in critically ill patients with TBI to round out the platform presentations.

The [Poster Presentations](#) highlighted more exceptional work from the region. Dwayne Walker, PharmD and Lisa Kurczewski, PharmD, BCPS earned the first place poster award with a [case series](#) that provided valuable insight into safety and efficacy of subanesthetic IV Ketamine as a last-line option for some patients with treatment refractory migraines.

Courtney Olesky, PharmD, and Lucy Stanke, PharmD, earned the second place poster award [evaluating](#) phytonadione prescribing practices at New Hanover Regional Medical Center for reversal of INR according to CHEST guidelines. The review demonstrated safety of phytonadione for reversal of anticoagulation. The results identified educational opportunities for reversal of INR without bleeding and will also be used to review the anticoagulant reversal order set at this institution.

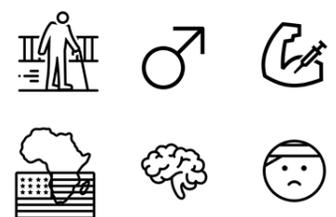
To view the abstracts, posters, and presentations, visit the Education Committee page at <https://cvcscm.org/education-committee/>.



Pictured left: George Kasotakis, MD, MPH, FACS, FCCM, first-place research presentation winner and Research Committee Chair

Pictured right: Pictographs from Dr. Kasotakis's presentation

Risk Factors for ARDS



Committee Spotlights and Leadership

Research Committee

The role of the CVCSCCM Research Committee is to support, advance and promote the conduct and dissemination of high quality basic, translational and clinical research in critical care by facilitating multi-disciplinary and multi-center collaboration while providing mentorship to junior researchers across organizations from all four Chapter States. The goal of these research efforts is to optimize the delivery of multi-disciplinary critical care and improve clinically relevant patient outcomes.

More specifically, the Committee aims to assist with access to institutionally available literature and patient databases; aid with study design and data analysis; data interpretation and presentation; enable multi-center sample and data collection; and facilitate the peer-review process.

The efforts of the Committee – which communicates via email and a monthly conference call - have been increasingly fruitful: This year, two collaborative projects were presented at the national SCCM meeting and the International Congress of Critical Care. These research endeavors have already been accepted for publication in peer-reviewed journals. We are currently in a growth phase, aiming to significantly expand our research agenda and the scope of our projects.

We currently have four projects actively recruiting institutions for participation (novel tool for alcohol withdrawal screening; evaluation of ICU bundle adherence; IV medication admixtures contribution to volume overload; and COVID-19 related data collection). An additional five are underway, secondarily analyzing existing clinical databases.

In addition to the actual conduct of research, we are in the process of streamlining fund allocation to Committee members/investigators and their projects and identifying key areas to focus our attention in the coming months/years. Anyone interested in joining our lively group, please email George.Kasotakis@duke.edu.

Membership Committee

The current CVCSCCM membership stands strong at 404 participants! There has been great traffic on the SCCM Connect listserv. We ask the membership to please be careful when selecting “reply all” to listserv communications, as that responds to the entire chapter. Utilizing the forums on SCCM Connect is a great way to facilitate group discussions. We encourage our members to update their SCCM profiles as completely as possible. This data helps us understand who we are as a group and allows us to focus recruitment on underrepresented states, disciplines, and institutions within our four states. The incoming Membership Chair will be Dr. Ankit Sakhuja of West Virginia University. We plan to implement new ways to engage the membership in the coming months, so keep your eyes open!

Outreach Committee-Chair Needed!

The Outreach Committee seeks to foster collaborative outreach efforts at local, regional, and global levels. This committee is seeking a **new chair** as David Starling, MSN, AGACNP-BC, completes his tenure. If you are interested in this leadership opportunity, please contact cvcscm@gmail.com!

Additional Committees

Contact cvcscm@gmail.com with interest in joining!

- Communications: provides Quarterly newsletters and Twitter Journal Clubs
- Education: organizes the Annual Symposium and Pharmacology Pre-Conference
- Mentorship: promotes member development with a new mentor/mentee program
- Nominations: solicits nominations for the board of directors



Chapter Leadership

Executive Committee

- **President:** Carrie Griffiths, PharmD, BCCCP, FCCM
- **Vice President:** C. Todd Borchers, MSN, APRN, ACNP-BC
- **Secretary:** Audis Bethea, PharmD, BCPS, BCCCP
- **Treasurer:** Kristie Hertel, RN, MSN, CCRN, ACNP-BC, FCCM
- **Past-President:** Kwame Akuamoah-Boateng, DNP, RN, ACNP-BC, FCCM

Board of Directors

- Amy Alger, MD (NC)
- Bryan Collier, DO (VA)
- Christopher Hogan, MD, FACEP (VA)
- Lesly Jurado, PharmD, BCPS, BCCCP (NC)
- Sameer Kamath, MD (NC)
- George Kasotakis, MD (NC)
- Andrew Miller, RT (NC)
- Benjamin Moses, MD (VA)
- Ankit Sakhuja, MD (WV)
- Paul McCarthy, MD (WV)
- Carolyn Magee, PharmD (SC)
- Taylor O'Neal, RN (SC)



Carrie's Corner

Updates from the
President of
CVCSCCM

Hello CVCSCCM Members!

First of all, I would like to say a huge THANK YOU for all of your work on the front lines during COVID-19. You all have done amazing work!

As you all are aware, our Annual Symposium and Pharmacology Pre-conference took on a new look with a webinar experience along with the Pharmacology pre-conference being pre-recorded and available for CE for up to 3 years! We hope you enjoyed the webinar experience and hope to have additional educational opportunities for you throughout the year! A huge thank you to Sonia Everhart and the Education Committee for their wonderful efforts to ensure the symposium would still take place. We are looking forward to the 2021 line-up!

Our committees have also been quite active since Congress. If you have not yet participated in a Twitter journal club, you are missing a very engaging discussion. Interested in being part of a research project? The Research Committee has been very active and has several ongoing projects as described in the 'Committee Spotlight'.

Are you interested in being mentored or a mentor? Fill out this [Google Form](#) to enter your preferences and be matched with someone in the chapter!

Our chapter website is up and running! Go to www.cvcsccm.org for information on committees, ongoing events, and other chapter information.

Here's to getting back to 'normal' over the next few months. Stay safe and be well!

Carrie

Presidential Citations Awarded at the 38th Annual Scientific Symposium

For outstanding contributions to the Carolinas/Virginias Chapter of SCCM

- Aamer Syed
- Alan Woodruff
- Amanda Edwards
- Ankit Sakhuja
- Audis Bethea
- Cindy Zerfoss
- David Starling
- Dennis Hopkinson
- Desiree Kosmisky
- Elizabeth Farrington
- Erika Setliff
- Erin Ledford
- Evelyn Akuamoah Boateng
- George Kasotakis
- James Davidson
- Jana Sigmon
- Jenna Cox
- John Hammer
- Kristie Hertel
- Kwame Akuamoah Boateng
- Lesly Jurado
- Sonia Everhart
- Tim Eng
- Todd Borchers

Thank you for your engagement and dedication to the Chapter!

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.

Free CE Opportunity!

Improving the Diagnosis, Treatment, and Outcomes of Patients with HAP and VAP: A Critical Look at Current Guidelines and New Treatment Options

Andrew Shorr, MD, MPH, MBA, FACP, FCCP

Monday, September 21st

7-8PM EST

Webinar Registration to follow and will be required to attend.