

## Credits

This live activity, Carolinas/Virginias Chapter, Society of Critical Care Medicine, 42nd Annual Scientific Symposium, with a beginning date of 6/13/2024 has been reviewed and is acceptable for up to \_\_\_\_ prescribed credit(s) by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity. \*\*\*CME applied for\*\*\*



ACPE is granted by Campbell University, College of Pharmacy.

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# 42nd Annual Scientific Symposium

## Carolinas/Virginias Chapter Society of Critical Care Medicine 42nd Annual Scientific Symposium



Pharmacology Course  
June 13, 2024

Symposium  
June 14, 2024

Hilton Myrtle Beach  
10000 Beach Club Drive  
Myrtle Beach, SC 29572



# Pharmacology Course

## Thursday, June 13, 2024

1:00-1:05pm	Welcome/Opening Remarks	<b>Lesly V. Jurado Hernández, PharmD, BCPS, BCCCP, BCNSP, FCCM</b> Education Committee Chair Surgical Trauma ICU Critical Care Pharmacist Nutrition Support Pharmacist Novant Health New Hanover Regional Medical Center Wilmington, NC
1:05-1:50pm	The Pressure is On! A Guide to Titrating Vasopressors	<b>Katie Maddox, PharmD, MPH</b> PGY-2 Critical Care Pharmacy Resident Novant Health New Hanover Regional Medical Center Wilmington, NC
1:50-2:35pm	Deadly Doses for Depression: Antidepressant Toxicity in the ICU	<b>Anna Dulaney, PharmD, DABAT, CPP, FAACP</b> Clinical Toxicologist Assistant Program Director, Medical Toxicology Fellowship Atrium Health, Carolinas Medical Center Charlotte, NC
2:35-2:50pm	Break	
2:50-3:35pm	Salty vs. Sweet: A Pro-Con Debate of Hyperosmolar Therapy	<b>Brandon Smith, PharmD</b> <b>Kelsey Furtick, PharmD</b> PGY-2 Critical Care Pharmacy Residents Prisma Health Richland-University of South Carolina Columbia, SC
3:35-4:20pm	Acute Management of Cardiac Dysrhythmias	<b>Dylan Wagoner, PharmD</b> PGY-2 Emergency Medicine Pharmacy Resident Atrium Health Cabarrus Concord, NC
4:20-5:05pm	Something Old, Something New, Something Blue	<b>Kathryn Albert, PharmD</b> Critical Care Pharmacist Novant Health New Hanover Regional Medical Center Wilmington, NC
5:05pm	Closing Remarks	

## Objectives

- Identify mechanisms of commonly used vasopressors
- Choose the most appropriate second line vasopressor
- Identify a patient for which weaning vasopressors is appropriate
- Identify which antidepressants are most likely to produce significant toxicity in overdose
- Describe signs and symptoms of acute toxicity associated with select antidepressant medications
- Discuss management of antidepressant toxicity in the intensive care unit
- Review the background and causes of elevated intracranial pressure (ICP)
- Describe the rationale behind the use of hyperosmolar therapy
- Evaluate the evidence to compare hyperosmolar agents
- Differentiate between the different most common cardiac dysrhythmias
- Summarize pharmacologic treatment options for cardiac dysrhythmias, including their dosing and adverse effect profiles
- Design patient-specific treatment plans utilizing pharmacologic principles and current primary literature
- Analyze the appropriateness of probiotic use in critically ill patients
- Review use of terlipressin for management of hepatorenal syndrome
- Evaluate utility of early initiation of methylene blue in septic shock

# Carolinas/Virginias Chapter, SCCM

## 42nd Annual Scientific Symposium

### Friday, June 14, 2024

7:55-8:00	Welcome and Opening Remarks	<b>Kristie A. Hertel, RN, MSN, CCRN, ACNP-BC, FCCM</b> President, Carolinas/VA Chapter, SCCM Advanced Practice Provider, Trauma and Surgical Critical Care East Carolina University Health Medical Center
8:00-8:45am	Keynote Address: Transitions of Care into the ICU – Trials and Tribulations	<b>Jose L. Pascual, MD, PhD, FRCS(C), FACS, NCC (UCNS), FCCM</b> President-Elect, SCCM Trauma, Emergency Surgery, Surgical & NeuroCritical Care Perelman School of Medicine at the University of Pennsylvania
8:45-9:30am	The Evolution of Angiotensin II and RAAS Dysfunction in Vasodilatory Shock	<b>Ashish K. Khanna MD, MS, FCCP, FASA, FCCM</b> Department of Anesthesiology, Critical Care Medicine Wake Forest School of Medicine Atrium Health, Wake Forest Baptist Medical Center
9:30-10:15am	Take My Breath Away: Steroid Use in Pneumonia and Acute Respiratory Distress Syndrome	<b>Amanda Guffey, PharmD, BCPS, BCCCP</b> Clinical Pharmacy Specialist – MICU Lexington Medical Center
10:15-10:35am	Break/Exhibits/Networking	
10:35-11:20am	Platform Presentations	
11:20-12:05am	Fluid Overload, De-Resuscitation, and Outcomes in Critically Ill Patients: The Relevance of Fluid Stewardship	<b>Saptarshi Biswas, MD, FRCS, FACS, FICS, FCCM</b> Trauma, Acute Care Surgery, and Surgical Critical Care Grand Strand Medical Center
12:10-1:10pm	Lunch & Business Meeting	
1:10-1:55pm	A. Abdominal Compartment Syndrome	<b>Timothy J. Novosel, MD, FACS</b> Trauma Medical Director General Surgery, Surgical Critical Care Novant Health New Hanover Regional Medical Center
	<b>Concurrent Session 1 (Choose One)</b>	
	B. Steroids in Sepsis: Have We Found the Sweet Spot?	<b>Adarsh Srivastava, MD</b> Intensivist, Critical Care Medicine Medical University of South Carolina
1:55-2:40pm	A. Transplant Complications in the ICU	<b>Neha Patel, PharmD, BCPS</b> Clinical Pharmacy Specialist/Transplant Medical University of South Carolina
	<b>Concurrent Session 2 (Choose One)</b>	
	B. Thromboelastography: From TEG 5000 to 6s and Beyond	<b>William Powers IV, MD</b> General Surgery, Surgical Critical Care Novant Health New Hanover Regional Medical Center
2:40-3:25pm	A. POCUS for the Crashing Patient: High-Yield Tips for Your Next Code	<b>Erica Peethumngsin, MD, PhD, FPD-AEMUS</b> Emergency Ultrasound Program Director Department of Emergency Medicine Duke University Hospital
	<b>Concurrent Session 3 (Choose One)</b>	
	B. Coastal Mishaps: Injuries, Stings, and Bites	<b>Jason Clark, MD</b> Critical Care Specialist Trident HCA Healthcare
		<b>Ray Smith, PharmD</b> Critical Care Pharmacist Novant Health New Hanover Regional Medical Center
3:25-3:45pm	Break/Exhibits/Networking	
3:45-4:20pm	Research Snapshot Presentations	
4:20-5:05pm	Fevers in Critically Ill Patients	<b>Anas Mouchli, MD</b> Trident HCA Healthcare
5:05-5:35pm	Learner Bowl	
5:35-5:45pm	Awards & Closing Remarks	
5:45-6:45pm	Cocktail Hour at Hotel Bar	

## Target Audience

Physicians, pharmacists, nurses, and other healthcare professionals involved with the care of critically ill patients. Respiratory therapists may also benefit from this educational activity and are welcome to attend.

## Objectives

- Differentiate the role of surgery versus anesthesia versus ICU in patient handoffs
- Describe the impact of effective communication on a multidisciplinary and multiprofessional handoff
- Recognize the importance of handoff choreography in reducing preventable adverse events in healthcare
- Define RAAS pathways in septic shock
- Describe the evolution of exogenous Angiotensin II as a vasopressor
- Predict future areas of research and development in RAAS modulation with Angiotensin II
- Review evidence for corticosteroid utilization for pneumonia (PNA) treatment
- Examine data on use of corticosteroids in acute respiratory distress syndrome (ARDS)
- Identify optimal patient and agent selection for corticosteroid administration in PNA and ARDS
- Characterize current practices in fluid administration
- Identify risk factors for positive fluid balance and describe the importance of de-resuscitation
- Examine the relationship of fluid balance, de-resuscitation measures, and outcomes
- Define abdominal compartment syndrome
- Discuss treatment of abdominal compartment syndrome
- Examine management of the open abdomen
- Discuss the rationale for the utilization of steroids in sepsis
- Discuss the evidence for the utilization of steroids in sepsis
- Discuss the benefits and potential side effects of steroid administration
- Understand current immunosuppressive agents (MOA, adverse effects, dosing)
- Review clinical pearls related to each agent
- Discuss various complications of immunosuppression presentation
- Review components of thromboelastography systems and how coagulopathy is assessed compared to conventional testing
- Compare TEG 5000 system to TEG 6s system and review differences in testing
- Demonstrate proposed algorithms for utilization
- Review case examples for utilization of TEG in management of critically ill patients
- Explain the advantages and limitations of point of care ultrasound evaluation in the unstable patient
- Identify the sonographic findings associated with various causes of shock
- Describe how ultrasound can guide and confirm critical procedures
- Identify select injuries unique to coastal regions and describe treatment options
- Apply concepts to patient cases to design safe and effective treatment regimens for aquatic traumas, bites, and stings
- Evaluate emergent cases for pertinent information necessary to guide the treatment of injuries covered throughout presentation
- Define fevers due to infectious and non-infectious causes
- Evaluate targeted workup of fever
- Discuss management strategies of fever

## Registration Fees

\*\*\*Online Registration ends June 1 at Noon\*\*\*

To register via Eventbrite, copy and paste link in browser: <https://www.eventbrite.com/e/carolinasva-chapter-sccm-42nd-annual-scientific-symposium-tickets-864589188537>

*Cancellation Policy: A refund of 75% of the registration fee will be issued if notification is received no later than May 27, 2024. Allow 3 - 4 weeks for processing.*

Early bird (before May 1)	Member	Non-Member	Student / Resident / Fellow
Symposium Only	\$ 100	\$ 130	\$ 50
Pharmacy Conf Only	\$ 50	\$ 80	\$ 25
Both days	\$ 135	\$ 165	\$ 65
<b>May 1 and After</b>			
Symposium Only	\$ 120	\$ 150	\$ 60
Pharmacy Conf Only	\$ 70	\$ 100	\$ 35
Both days	\$ 175	\$ 200	\$ 75

**Hilton Myrtle Beach**  
10000 Beach Club Drive  
Myrtle Beach, SC 29572

Click link to reserve <https://www.hilton.com/en/attend-my-event/myrbhvh-cvc-72b84948-84d9-46ef-a1e4-650aef1e5f74/>

Room Block: June 13—14, 2024 Group Rate: \$259/night Last day to reserve: May 14, 2024