

The Echo

The Official Biannual Report from the Ohio Chapter of SCCM

The Ohio Chapter of the Society of Critical Care Medicine

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Message from the President

Dear Ohio Chapter Members,

It has been an honor for me to serve as Chapter President! It has been an exciting year, and I am proud of what we have accomplished together! I have so much gratitude for the Executive Board, Committee Chairs and their members, and the speakers, moderators, and writers for their contributions to making this a successful year!

I would like to thank the Executive Board for their commitment to fulfilling the Chapter mission: Claire Murphy, PharmD, BCPS, FCCM (*Immediate past-president*), Keaton S. Smetana, PharmD, MBA, BCCCP, FNCS, FCCM (*President-elect*), Michael A. Rudoni, Pharm.D., BCPS, BCCCP (*Treasurer*), Reddy Singasani, MBBS, MD (*Secretary*) and our Members-at-Large: Kathryn Bash, MHSc, MSN, ACNPC- AG; Gretchen Sacha, PharmD; Suzanne Bennett, MD; Kshama Daphtary, MD, MBI; Josh Trester, MD and Angela Johnson, MD.



Message from the President

I also would like to highlight and thank the committee chairs who are essential in carrying out the Chapter mission: Mary Catherine Curran, AGACNP-BC, MSN, BSN, RN, BS (Education Committee Chair,) Layla Sankari, MD (Education Committee Chair-elect), Jessica Elefritz, PharmD (Membership Committee Chair), Alyssa (Sykuta) Meester, PharmD, BCCCP (Membership Committee Chair-elect), Dalton Kuebel, PharmD (Communication Committee Chair-elect), and Casey May, PharmD, BCCCP, FNCS (Communication Committee Chair-elect).

I have been involved with the Ohio Chapter since 2019, initially as a member of the Membership Committee and eventually Chair-elect and then as Chair of the Membership Committee. My favorite thing about the Chapter is networking and working towards a common goal of elevating the quality of Critical Care in Ohio. I have met so many people at different institutions during my servitude and invite others to get actively involved in the Ohio Chapter. It has been my privilege to see individuals come together to grow the Chapter as one team. This year the Education Committee highlighted 7 abstract presentations at Research Day, the Membership Committee introduced the inaugural Clinical Excellence New Practitioner Award, and the Communication Committee connected us all to the information. As I mentioned my favorite thing about the Chapter is networking and I am looking forward to meeting many of you at the Annual Congress. The Membership Committee will be hosting a Chapter Reception at the Annual Congress – January 22nd 6:00-8:00pm (details in the SCCM APP), and we hope to see you there. There will be appetizers and a raffle with prizes.

In 2024, you can expect to see Journal Clubs and Webinars of relevant topics. In June we will host Research Day, which features abstract presentations, discussions and presentations related to Critical Care research. The Membership Committee will continue to recognize and award members for their contributions to Critical Care. With the year coming to a close, I would like to acknowledge the successes that 2023 brought. And with one more month left in my presidency, I want to say thank you and I look forward to what the next year will bring for The Ohio Chapter of Society of Critical Care Medicine.



Markisha R. Wilder, MS, APRN- CNP
President, Ohio Chapter

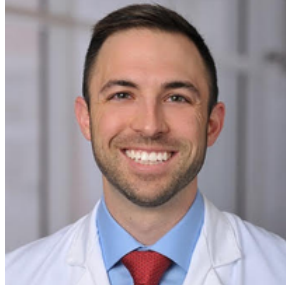
Acute Care Nurse Practitioner

Wexner Medical Center Division of Critical Care, Trauma, & Burn

Meet the Rest of Our Team



Claire Murphy, Pharm.D.
Immediate Past-President



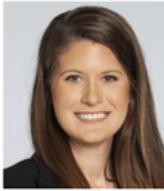
Keaton Smetana, Pharm.D.
President-Elect



Reddy Singasani, MBBS, MD
Secretary



Michael Rudoni, Pharm.D.
Treasurer



MEMBERS-AT-LARGE

Kathryn Bash, MHSc, MSN, ACNPC - AG (2021 -2024)

Gretchen Sacha, PharmD (2021 -2024)

Suzanne Bennett, MD (2022 -2025)

Kshama Daphtary, MD, MBI (2022-2025)

Joshua Trester, MD (2023-2026)

Angela Johnson, MD (2023 -2026)



Want to get involved?



Visit our website to learn more about the Ohio Chapter of SCCM:

www.ohiochaptersccm.com



Committee Updates

Membership Committee

Chair – Jessica Elefritz (Jessica.Elefritz@osumc.edu)

Chair-elect – Alyssa Meester (Alyssa.Meester@ohiohealth.com)

The Membership Committee is excited to ring in the new year with more member events and opportunities for member recognition!

The Committee is planning the Ohio chapter reception in conjunction with SCCM Annual Congress which will be held on January 22nd from 6-8 PM at the Sheraton Phoenix Downtown. We also have started a new initiative to recognize critical care training programs across the state of Ohio. Bimonthly we will select a program and highlight their recent accomplishments on our social media sites in addition to providing funding towards an on-site recognition event! This past fall, we solicited nominations for 3 member awards which were announced during our Fall Symposium: Dr. Emily Amin (Clinical Excellence Award), Dr. Dalton Kuebel (New Practitioner Clinical Excellence Award), and Dr. Jessica Elefritz (Outstanding Member Award). Congratulations to all nominees and winners!

Please contact us (chair [Jessica.Elefritz@osumc.edu] and chair-elect [Alyssa.Meester@ohiohealth.com]) if you are interested in joining the Membership Committee!

Education Committee

The Education Committee continues to offer relevant and insightful content throughout the year. We hosted a Fall Symposium on TeleICU and Artificial Intelligence in Healthcare. Planning for the spring Research Day is underway! Jamie Sturgill, PhD, Assistant Professor in Microbiology, Immunology and Molecular Genetics at University of Kentucky, will be presenting as the keynote speaker. We will be seeking submissions for additional research abstracts in the coming month.

The Education Committee also continues to host quarterly webinars with meaningful presentations from local content experts. We offer opportunities for critical care trainees to present Journal Clubs to the chapter. We are honored to host Dr. Sylvia Perez-Protto, MD, MS, MBA on March 21st from 1-2PM on *Approach to the Critical Care Patient at End of Life*.

Please consider becoming an active member of the Education Committee and email the current chair, Mary Catherine Curran (curranm2@ccf.org), or co-chair, Layla Sankari (layla.sankari2@UHhospitals.org), if interested in participating. Opportunities for involvement include presenting, moderating virtual events, reviewing abstracts for Research Day, and coordinating and planning events. Monthly meetings are held on the fourth Tuesday of the month from 12-1PM. We welcome your ideas for future thought-provoking and exciting education topics.

Communication Committee

The Communication Committee supports the Chapter by managing the website, social media, and SCCM Connect. Dalton Kuebel, Pharm.D. (chair) and Casey May, Pharm.D. (chair-elect) have been working to enhance our social media presence. Along with other committee members, monthly meetings have assisted in creative strategies for posting new content related to Chapter activities and events to share with members and non-members. Please reach out to either Dalton (Dalton.Kuebel@UCHealth.com) or Casey (Casey.May@OSUMC.edu) if interested in participating in our committee.

Congratulations!...

...to our Ohio Chapter members for being recognized for their achievements and contributions to critical care excellence...



**OUTSTANDING
MEMBER
AWARD**

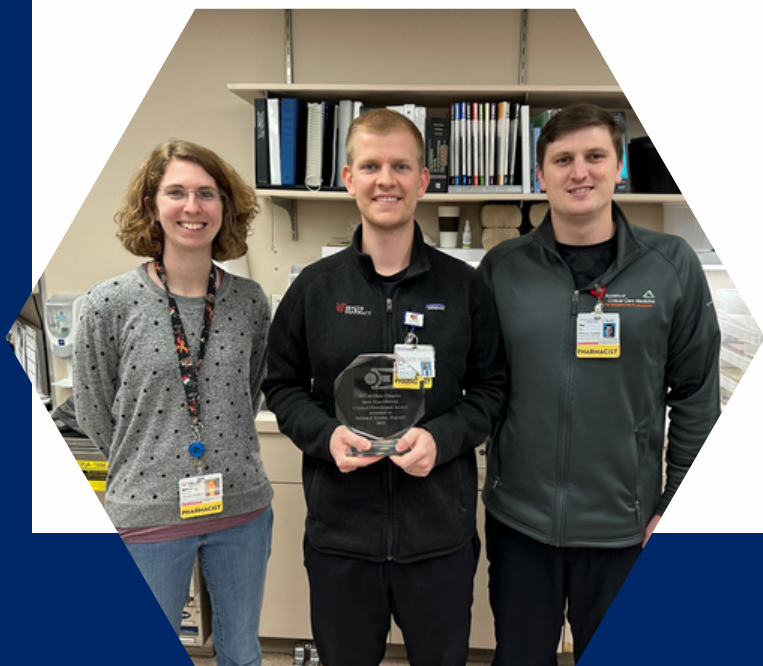
Jessica Elefritz, Pharm.D., BCCCP

Pharmacy Specialist, Medical Critical Care
The Ohio State University - Wexner Medical Center

**CLINICAL
EXCELLENCE
AWARD**

Emily Amin, M.D.

Pulmonary Critical Care Medicine
The Ohio State University - Wexner Medical Center



**NEW PRACTITIONER
AWARD**



Dalton Kuebel, Pharm.D., BCCCP

Clinical Pharmacy Specialist, Critical Care, Pulmonary Hypertension
UC Health

CRITICAL CARE CONGRESS

JANUARY 21-23, 2024
PHOENIX CONVENTION CENTER
PHOENIX, ARIZONA, USA



CRITICAL CARE CONGRESS.

Break the Ice: First-Time Congress Attendee Gathering

Sunday, January 21, 2024..... 9:45 a.m. – 10:45 a.m.

Connect with other first-time attendees, receive tips on making the most of your Congress experience, enjoy light refreshments, and engage with leaders in the critical care field from various professions and backgrounds during this event.

Research Awards Ceremony

Sunday, January 21, 2024..... 3:15 p.m. – 4:15 p.m.

Recipients of SCCM's abstract and case report awards will be recognized during an awards ceremony.

Early-Career Professionals Reception

Monday, January 22, 2024..... 5:00 p.m. – 7:00 p.m.

The Early-Career Professionals Reception is a dedicated space for residents, fellows, postdoctoral researchers, clinicians in training, and early-career faculty to network and mingle with peers and those established in their careers. Many early- to mid-career professionals, including prominent members and leaders from SCCM committees and sections, will be on hand.

ACCM Convocation and SCCM Awards Presentation

Monday, January 22, 2024..... 3:00 p.m. – 4:00 p.m.

Attend the American College of Critical Care Medicine (ACCM) Convocation and SCCM Awards Presentation, where new fellows and masters of critical care medicine will be inducted into ACCM and award and grant recipients will be honored. Come support your colleagues and friends during this prestigious occasion. Congress attendees are invited to attend.

Critical Care Quiz Show

Tuesday, January 23, 2024 10:00 a.m. – 11:00 a.m.

Gather to watch and root for your peers during this friendly competition as contestants show off their critical care knowledge in this fast-paced game show.



Ohio Chapter of SCCM Reception

Monday, January 22nd

6:00-8:00 PM

Sheraton Phoenix Downtown

Room: Laveen A

Congress Highlights

Ohio Chapter Members at 2024 SCCM Congress

Ingrid M. Anderson, MD

Rainbow Babies & Children's Hospital

Presentation(s):

- Critical Care Ultrasound: Pediatric and Neonatal Skills Course

Friday, January 19, 2024; 7:00 AM – 5:30 PM MT

- Critical Care Ultrasound: Pediatric and Neonatal Skills Course

Saturday, January 20, 2024; 7:00 AM – 5:30 PM MT

Sofya H. Asfaw, MD, MBA, FACS

Cleveland Clinic

Presentation(s):

- Whole Blood or No Blood: What Makes a Difference in Rapid Resuscitation of Traumatic Hemorrhage?

Congress Digital

Kshama Daphtary, MD, MBI, FAAP

Cleveland Clinic

Presentation(s):

- Biology and Diagnostic Imaging of Lymphatic Dysfunction in Pediatric Critical Illness

Congress Digital

David C. Evans, MD, FCCM

OhioHealth Grand Medical Center

Presentation(s):

- Identifying At-Risk ICU Patients for PN

Sunday, January 21, 2024; 3:50 PM – 4:05 PM MT

Mark W. Hall, MD, FCCM

Nationwide Children's Hospital at Ohio State University

Presentation(s):

- What Pediatric Clinicians Expect in a Pediatric Sepsis Definition

Sunday, January 21, 2024; 11:15 AM – 11:30 AM MT

- Year in Review: Pediatrics

Sunday, January 21, 2024; 4:30 PM – 5:30 PM MT

Rana Hejal, MD

University Hospitals Cleveland Medical Center

Presentation(s):

- Clinical Research and Epidemiology

Tuesday, January 23, 2024; 10:05 AM – 10:20 AM MT

David Jury, MD

Cleveland Clinic

Presentation(s):

- Early Warning Tools to Identify Sepsis in the Pregnant Patient

On Demand

Aanchal Kapoor, MD

Cleveland Clinic Foundation

Presentation(s):

- Deep Dive: Acute Kidney Injury and Organ Crosstalk During Critical Illness (This program is supported by an educational grant from Mallinckrodt Pharmaceuticals)

Saturday, January 20, 2024; 7:30 AM – 12:00 PM MT

- Hepatorenal Syndrome: How to Better Diagnose and Manage It

Saturday, January 20, 2024; 8:50 AM – 9:30 AM MT

- Therapeutic Conundrums in Cirrhosis: Need for a Paradigm Shift in Diagnostic Strategies

On Demand

- Complexity of Hemodynamics Assessment During Shock in Cirrhosis

On Demand

Samir Latifi, MBBS, FAAP

Cleveland Clinic

Presentation(s):

- Multidisciplinary and Patient-Centered Care: The ICU a Natural Access Point?

On Demand

Olivia Marchionda, PharmD, BCCCP

Cleveland Clinic

Presentation(s):

- Fill the Tank or Squeeze the Pipes? Fluid Administration Over Early Vasopressor Therapy for the Management of Shock

On Demand

Piyush Mathur, MD, FCCM

Cleveland Clinic

Presentation(s):

- Artificial Intelligence Is a Boom in Critical Care

Tuesday, January 23, 2024; 11:00 AM – 12:00 PM MT

Douglas F. Naylor, Jr., MD, FACS, MCCM

University Hospitals of Cleveland Medical Center

Presentation(s):

- New SCCM Guidelines: Rapid Sequence Intubation, Recognizing Critical Illness Outside the ICU, and Glycemic Control for Children and Adults

Sunday, January 21, 2024; 4:30 PM – 5:30 PM MT

- ACCM Townhall: Artificial Intelligence: Boom or Bust in Critical Care

Tuesday, January 23, 2024; 11:00 AM – 12:00 PM MT

Ohio Chapter Members at 2024 SCCM Congress

Martin J. Ohlinger, PharmD, BCCCP, FCCM

University of Toledo

Presentation(s):

- How to Become an ACCM Fellow

Monday, January 22, 2024; 9:45 AM – 10:45 AM MT

Kenneth Remy, MD, MSc, MSCI, FCCM

*Case Western Reserve University/University Hospitals
Cleveland Medical Center*

Presentation(s):

- Deep Dive: The Final Frontier of Sepsis Precision Medicine

Saturday, January 20, 2024; 1:00 PM – 5:00 PM MT

- How to Make Precision Medicine Efforts More Precise

Saturday, January 20, 2024; 2:00 PM – 2:45 PM MT

- Pro/Con Debate: Bundling Success or Bundling Unproven Therapies

Sunday, January 21, 2024; 11:45 AM -12:45 PM MT

- Novel Immunomodulators for Sepsis: Will We Get One?

Sunday, January 21, 2024; 5:05 PM – 5:15 PM MT

- Straightening the Slippery Slope: Ethical Considerations in Identifying the Potential Organ Donor

Monday, January 22, 2024; 3:20 PM – 3:35 PM MT

- Lost in Transition: Perspectives on Transitioning Care for Adults with Chronic Pediatric Illness

On Demand

Gretchen Sacha, BCCCP, PharmD

Cleveland Clinic

Presentation(s):

- Pharmacologic Considerations During Critical Illness With Failing Kidneys

Saturday, January 20, 2024; 11:00 AM – 11:40 AM MT

- The Role of New and Adjunctive Therapies for the Management of Refractory Shock

On Demand

Steven Shein, MD, FCCM

Rainbow Babies & Children's Hospital

Presentation(s):

- Star Research Presentation: Pediatrics

Monday, January 22, 2024; 11:30 AM – 12:30 PM MT

Heather Torbic, PharmD, FCCM, BCPS, BCCCP

Cleveland Clinic

Presentation(s):

- Management of Bleeding due to Anticoagulants

Sunday, January 21, 2024; 4:50 PM – 5:05 PM MT

Chiedozie I. Udeh, MBA, MHEcon, MBBS, FCCP, FASA, FCCM

Cleveland Clinic

Presentation(s):

- Pro/Con Debate: The National Emergency Tele-Critical Care Network: Was It a Success or a Failure?

Tuesday, January 23, 2024; 2:30 PM – 3:30 PM MT

- Historical Background for Sources of Systematic Sources of Racial Disparities in the ICU

Tuesday, January 23, 2024; 3:50 PM – 4:00 PM MT

Vidula Vachharajani, MD, FCCP, FCCM

Cleveland Clinic

Presentation(s):

- Immune Response Transition During Sepsis Progression

Monday, January 22, 2024; 9:50 AM – 10:05 AM MT

- Inflammation and the Microbiome: Age-Related Outcomes in the Geriatric Septic Patient

Monday, January 22, 2024; 3:50 PM – 4:05 PM MT

*Please note: names included are based on the Ohio Chapter roster at the time of this publication. Any omission of current Ohio Chapter members from this list is unintentional.

New Practitioner Spotlight

Jacob Counts, PharmD, BCCCP

Jacob “Jake” Counts is a Pharmacy Specialist in the Neurocritical Care Unit (NCCU) at The Ohio State University Wexner Medical Center (OSUWMC). He has been a member of the Ohio Chapter of the Society of Critical Care Medicine since December 2022. Dr. Counts earned his Doctor of Pharmacy degree from the University of Tennessee Health Science Center and completed his PGY1 Pharmacy Practice and PGY2 Critical Care Pharmacy Residencies at OSUWMC. Dr. Counts began his career in the NCCU at OSUWMC in August of 2022. In just a year and a half, he has already had a profound impact on the care of patients.

Dr. Counts is a dedicated and exceptional clinician whose contributions have already made an impact on the care of critically ill patients within his institution. He is tireless in his dedication to improving his institution's clinical practice guideline and electronic medical record ordering processes. Some specific examples include revising the Anticoagulation Reversal Guidelines in which he played a pivotal role in updating the evidence-based anticoagulation reversal guidelines for patients

presenting with intracranial hemorrhage. His thorough research, collaboration with institutional experts, and dedication to patient safety have resulted in guidelines that are not only cutting-edge but also easy to follow for healthcare providers. He also was responsible for the addition of andexanet alfa to formulary which required substantial individual effort to take through institutional committees and single-handedly educate staff as part of its implementation. Another notable achievement was the updating of his institution's Central Nervous System (CNS) antibiotic penetration guideline, Dr. Counts was able to take an outdated guideline that was less than helpful and meticulously compile data on antibiotic penetration into the CNS and created a visually appealing, but more importantly useful document.

Dr. Counts is also dedicated to the research process with eight publications in medical journals during his time as a pharmacy student and resident. He has continued his research endeavors as a pharmacy specialist within the neurocritical care subspecialty with two of his active projects including Assessment of CNS Depression in Neurocritical Care Unit Patients Receiving Phenobarbital for Alcohol Withdrawal Syndrome and Risk Factor Analysis of Hypertonic Saline Non-responders in the Neurocritical Care Unit. Additionally, in his short tenure since completing his residency training, he has already trained Four PGY2 critical care pharmacy residents and one PGY1 pharmacy resident by taking them on service in the neurocritical care unit, mentored one longitudinal operations project, one PGY2 critical care pharmacy research project, and three student medication use evaluations. Dr. Count's commitment to the education and mentorship of residents and students is



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Beyond the achievements he has made thus far in his career, Dr. Counts consistently exhibits the qualities that exemplify a clinical leader: compassion, dedication, and a relentless pursuit of excellence. His passion for providing the best care to critically ill patients is evident in his day-to-day practice, where he goes above and beyond to ensure the well-being of those under his care.

Thank you Dr. Counts for your dedication to improving the care of critically ill patients!

New Practitioner Spotlight

Terrance Creighton, MD

Terrance Creighton is a physician in the Department of Intensive Care and Resuscitation at the Cleveland Clinic where he has been practicing since 2023. A graduate of the Jacobs School of Medicine and Biomedical Sciences in Buffalo, New York, he completed a residency in Emergency Medicine at Detroit Medical Center from 2018-2021. This was followed by his fellowship in Critical Care Medicine at the University of Florida from 2021-2023 where he served as Chief Fellow. He has been a member of the Society of Critical Care Medicine since 2021 and recently joined the Ohio Chapter since establishing his practice at the Cleveland Clinic. Since joining the chapter, he has been a contributor to the ECHO newsletter.

Dr. Creighton has contributed to the field of critical care medicine in numerous ways - through administrative leadership, scholarly work, impactful quality initiatives, and clinical excellence. However, his colleagues will attest to Dr. Creighton's personal investment in improving critical care education. He has already been recognized as a top educator early in his career with an appointment to the Graduate and Resident Education Committee for the Society of Critical Care Medicine. He also provided highly rated didactic lectures during his fellowship training and has already been invited as a guest lecturer at multiple highly recognized institutions. Within the Cleveland Clinic, he has been selected to lecture their trainees on cardiothoracic critical care, despite his short time on faculty. He has written textbook chapters on the topic as well.



Other notable achievements of Dr. Creighton's include authorship on several publications in the realm of critical care and emergency medicine and abstract presentation at numerous national conferences. Within his institution, he is a member of the multidisciplinary Emergency Response Committee. He also serves on the Editorial Board of Resuscitation and Cardiac Emergency Medicine, *Frontiers in Emergency Medicine*.

Commitment to training and education is a crucial pillar of critical care medicine as it is through the mechanism of teaching that we move our field forward and improve the outcomes of patients throughout Ohio and the world. While Dr. Creighton displays excellence in all arenas, it is through the lens of teaching that Dr. Creighton has distinguished himself early in his career. The Ohio Chapter would like to thank Dr. Creighton for the exceptional care and educational he provides!

Guideline Updates

CHEST: July - December 2023

Prepared by: Elisha Fleig, MPAS, PA-C

Critical Care Staffing in Pandemics and Disasters: A Consensus Report From a Subcommittee of the Task Force for Mass Critical Care - Systems Strategies to Sustain the Health Care Workforce

doi: 10.1016/j.chest.2023.03.008

The Workforce Sustainment subcommittee of the Task Force for Mass Critical Care (TFMCC) consolidated evidence surrounding mental health disturbances, burnout, and moral distress among healthcare workers into fourteen major suggestions, which were further organized into three categories: mental health and well-being for staff in medical settings, system-level support and leadership, and research priorities and gap. Both general and specific interventions were suggested to support healthcare workers' physical and mental needs with the goal of fostering resiliency and retention.

Effect of Race and Ethnicity on Pulmonary Function Testing Interpretation: An American College of Chest Physicians (CHEST), American Association for Respiratory Care (AARC), American Thoracic Society (ATS), and Canadian Thoracic Society (CTS) Evidence Review and Research Statement

doi: 10.1016/j.chest.2023.03.026

The joint panel addressed three key questions: 1) What is the current evidence supporting the use of race- and ethnicity-specific reference equations for the interpretation of PFT results? 2) What are the potential clinical implications of the use or nonuse of race or ethnicity in interpreting PFT results? and 3) What research gaps and questions must be addressed and answered to understand better the effect of race and ethnicity of PFT results interpretation and potential clinical and occupational health implications? Multiple noteworthy points were highlighted by the panel, including “that important population health outcomes are predicted better by using a standard reference set for all individuals, rather than ethnicity-specific reference values, implying that race-specific values may be masking modifiable risk factors for low lung function seen in non-White ethnic groups.”

Antithrombotic Therapy in Arterial Thrombosis and Thromboembolism in COVID-19: An American College of Chest Physicians Expert Panel Report

doi: 10.1016/j.chest.2023.06.032

Based on the panel's findings, “existing evidence and...consensus do not suggest a major departure from the management of arterial thrombosis according to recommendations predating the COVID-10 pandemic.” Eleven recommendations were generated; though, many were based on indirect evidence and prior guidelines. Of the eleven, the strong recommendation is as follows: “In hospitalized patients with COVID-19 and confirmed ACS, we recommend dual antiplatelet therapy to reduce the risk of recurrent ACS or death.”

2023 Member Publications

Peer-Reviewed Publications by Members of the Ohio Chapter

We're proud to have active members who contribute extensively to the literature and influence the way we understand and practice critical care medicine. Scan the QR code below to review a list of the publications from 2023 by Ohio Chapter Members.



2023

*Please note: titles are those by Ohio Chapter members available on PubMed. Any omission of current Ohio Chapter members from this list is unintentional.

Thank You

Special thanks to those who contributed to the planning and content of this issue!

Nicole Allen-Payne
Kathryn Bash
Suzanne Bennett
Stephanie Ciapala
Grace Conroy
Terrance Creighton
Jessica Elefritz
Elisha Fleig
Kari Gorder
Hannah Hixenbaugh
Dalton Kuebel

Chaitanya Mishra
Claire Murphy
Silvia Perez-Protto
Megan Phelps
Michael Rudoni
Gretchen Sacha
Melissa Smith
Donna Tanner
Markisha Wilder
Erica Zanath



The Ohio Chapter
of the Society of
Critical Care Medicine

