

2025 CRITICAL CARE CONGRESS ADVANCE PROGRAM

FEBRUARY 23-25, 2025 >> ORANGE COUNTY CONVENTION CENTER >> ORLANDO, FLORIDA, USA

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THE SOCIETY OF CRITICAL CARE MEDICINE (SCCM) INVITES YOU TO THE 2025 CRITICAL CARE CONGRESS!

Everything you need to advance your daily practice is at Congress!

- Comprehensive science-based program
- Opportunities to form and strengthen connections
- Newest tools and technologies
- Accredited continuing education (ACE) credit and maintenance of certification (MOC) points

Explore the latest in critical care knowledge, research, and technology while engaging with a diverse community of multiprofessional clinicians. Connect, collaborate, and innovate at this premier event. The annual Congress has delivered an exceptional and comprehensive experience for more than 50 years.

ABOUT THE SOCIETY OF CRITICAL CARE MEDICINE

Connecting a global community of critical care clinicians, SCCM serves as a leader in critical care best practices. With more than 17,000 members in more than 80 countries, SCCM is the only multiprofessional organization dedicated exclusively to advancing critical care. Its mission is to secure the highest-quality care for all critically ill and injured patients.

REGISTER EARLY TO SECURE THE LOWEST RATES!

Early rate: Register by December 18, 2024

Advance rate: Register by January 15, 2025



To view rates and register: Scan the QR code, visit sccm.org/congress2025, or contact SCCM Customer Service at +1 847 827-6888.

Can't attend the in-person experience? Congress Digital is available.

Obtain access to recorded sessions from Congress. ACE credit and MOC points are available. Congress Digital will be available 30 days after the live event.

In-person registrants receive complimentary access to Congress Digital. SCCM Select members can purchase Congress Digital at no cost.



THOUGHT LEADER SESSIONS

Note: Subject to change



SCCM'S ANNUAL CRITICAL CARE CONGRESS IS AN OPPORTUNITY FOR CRITICAL CARE PROFESSIONALS FROM AROUND THE WORLD TO COME TOGETHER TO DISCUSS THE LATEST TRENDS AND OPPORTUNITIES IN THE FIELD. ATTENDEES WILL ALSO HAVE THE OPPORTUNITY TO HEAR THE PERSPECTIVES OF THOUGHT LEADERS IN CRITICAL CARE MEDICINE. THE 2025 CRITICAL CARE CONGRESS WILL FEATURE SEVERAL THOUGHT LEADER SESSIONS SURE TO IGNITE DISCUSSION AMONG ATTENDEES.

Sunday, February 23, 2025
9:00 a.m. – 9:30 a.m.

Advancing Health at the Speed of AI *William C. Shoemaker Honorary Lecture*



Hoifung Poon, PhD

General Manager
Microsoft Health Futures
Affiliated Faculty
University of Washington Medical School
Seattle, Washington, USA

Knowledge changes over time. A few decades from now, practices that are common today may be unimaginable. Hoifung Poon, PhD, believes in that future. He also believes that AI will help identify how to improve patient care. In his thought leader session at Congress, Dr. Poon will talk about AI and the role he thinks it should play in healthcare, specifically in critical care medicine.

"Biomedicine has witnessed rapid digitization, just as in many other fields," Dr. Poon said. "Every day, there are billions of data points collected in clinical care documenting patient journeys from diagnosis to treatment to outcome. Each journey is like a mini-trial, and each encounter provides new information that even the best doctor may not anticipate. AI can potentially help

clinical practitioners synthesize and decipher such population-scale, real-world data for optimizing care and accelerating discovery."

Dr. Poon knows that patients and physicians have concerns about incorporating AI into healthcare, but he sees countless opportunities to use AI that will improve care without threatening patient safety. "AI can first be applied to alleviating manual burden in mundane, repetitive tasks for productivity gain, where AI is supervised with human-in-the-loop verification to ensure accuracy," said Dr. Poon. "AI can also be used to self-correct hallucination and omission errors, as verification is often much easier than generation."

Dr. Poon has worked at Microsoft Health Futures for more than 13 years and has been in his current role since March 2023. His responsibilities include leading biomedical AI research and incubation, with a focus on scaling real-world evidence generation for precision health. He knows that AI is just one component of larger opportunities and challenges facing healthcare.

"Healthcare and biomedicine are incredibly complex," he said. "Like any technology, AI plays only a small role in the grand scheme of things. There are so many other social factors that impact the success or failure of adoption—education, policy, regulation, business models. AI can help by serving as a spark or catalyst that alters the return-on-investment landscape so that today's impossible turns into tomorrow's plausible."

Dr. Poon noted futurologist Roy Amara's observation that people tend to overestimate the short-term effect of a technology and underestimate its long-term effect.¹ "We may be surprised by how profound AI might transform healthcare in the long run," Dr. Poon said. "Generative AI has tremendous transformative power and can help us reimagine and reinvent healthcare and

biomedicine. I hope my session can help attendees better understand AI and its potential in accelerating precision health and improving patient care."

The William C. Shoemaker Honorary Lecture is named in honor of William C. Shoemaker, MD, FACS, MCCM, a founding member of SCCM and its third president. Dr. Shoemaker was also the founding editor of Critical Care Medicine.

Monday, February 24, 2025
8:00 a.m. – 8:45 a.m.

Climate Change: Why Health Systems Matter Now *Ake Grenvik Honorary Lecture*



Seema Gandhi, MD, MBBS

Medical Director of Sustainability
Clinical Professor, Department of Anesthesia and Perioperative Medicine
University of California, San Francisco
San Francisco, California, USA

Seema Gandhi, MD, MBBS, believes that anthropogenic climate change poses an existential threat to human health and that resource-intensive U.S. healthcare systems are outliers compared to other high-



THOUGHT LEADER SESSIONS

income countries without commensurate health outcome benefits. She believes that transforming care delivery is necessary to mitigate the health sector's environmental impact and improve resilience in a rapidly changing climate and that healthcare pollution prevention is a matter of quality and safety. Her thought leader session will focus on supply chain opportunities, greener delivery models, and reducing waste. Attendees will gain tools to engage the workforce and stakeholders and, most importantly, will leave with action items for daily practice.

The Ake Grenvik Honorary Lecture is named in honor of Ake Grenvik, MD, PhD, MCCM, the first SCCM membership committee chair and the seventh SCCM president.

Monday, February 24, 2025
1:30 p.m. – 2:15 p.m.

Tissue Perfusion and Microcirculation in Shock *Peter Safar Honorary Lecture*



Olfa Hamzaoui, MD, PhD
Professor of Intensive Care
Medical ICU, Robert Debré Hospital
University Hospitals of Reims
Reims University
Reims, France

Olfa Hamzaoui, MD, PhD, believes the topic of microcirculation and the ways it can enhance patient care have been overlooked for the past 20 years. She believes that this topic has

mostly been explored by bench researchers rather than practicing physicians. She hopes to change that. Dr. Hamzaoui's thought leader session focuses on the potential of microcirculation to improve patient care. Microcirculation is the exchange of gases and fluids at the cellular level, in a network of vessels that typically range from micrometric to nanometric dimensions in diameter.

"I aim to explore the effects of acute circulatory failure on microcirculation in various shock settings," Dr. Hamzaoui said. "How can we effectively diagnose microcirculatory abnormalities in patients with shock? Furthermore, I would like to discuss management strategies and the importance of coherence between macro- and microcirculation." Dr. Hamzaoui hopes to demystify the concept of microcirculation. She wants to bridge the gap between research and practical applications and challenge some commonly held beliefs.

"There are straightforward tools available for diagnosing and monitoring microcirculatory abnormalities," she said. "Macrocirculation and microcirculation often work in tandem."

Dr. Hamzaoui's goal is to equip attendees with key bedside messages to allow them to apply insights from her session in their institutions and share knowledge with fellow team members. Her topic is particularly relevant to Congress attendees. "For critical care professionals, the management of shock is a vital and frequent aspect of our daily practice," she said. "Understanding microcirculation can help us address an additional factor that may sometimes be the missing link in improving patient outcomes."

Dr. Hamzaoui is looking forward to sharing her knowledge with attendees and is equally excited to learn from attendees. "I am truly excited to meet the attendees, not only to share my thoughts but also to engage in meaningful discussions and exchange experiences with them," she said. "This exchange of ideas is a valuable aspect of our profession, transcending boundaries and uniting us beyond our individual differences."

The Peter Safar Honorary Lecture is named in honor of Peter Safar, MD, MCCM, the second SCCM president.

Tuesday, February 25, 2025
8:00 a.m. – 8:45 a.m.

Why the 4Ms Approach to Critical Care Improves Quality: Lessons From the Age-Friendly Health Systems Movement

Norma J. Shoemaker Honorary Lecture



Terry Fulmer, PhD, RN, FAAN
President
The John A. Hartford Foundation
New York, New York, USA

The John A. Hartford Foundation is dedicated to improving the care of older adults. Terry Fulmer, PhD, RN, FAAN, is its president and is also a member of the National Academy of Medicine, former president of the Gerontological Society of America, and an experienced critical care nurse. She is particularly excited to speak with attendees during her thought leader session, in which she will discuss the age-friendly health systems movement and what attendees should know about it to better care for their patients.

"I worked in the ICU at Massachusetts General Hospital and will never forget how rewarding and how stressful the practice could be," Dr. Fulmer said. "I cannot wait to share my passion for delivering evidence-based, age-friendly care that helps clinicians do what matters most to them—improving quality and safe outcomes for their patients."

Dr. Fulmer has conceptualized the development of the age-friendly health systems movement. Core to the movement

THOUGHT LEADER SESSIONS



Note: Subject to change



is the 4Ms framework that is a practical and efficient way to improve care for older patients. The 4Ms are:

- **What matters:** Align care with each older adult's specific health outcome goals and care preferences, including end-of-life care.
- **Medication:** If medication is necessary, use age-friendly medication that does not interfere with mentation, mobility, or what matters to them.
- **Mentation:** Prevent, identify, treat, and manage dementia, depression, and delirium across all care settings.
- **Mobility:** Ensure that older adults move safely every day to maintain function and do what matters to them.

"When a patient experiences a critical illness or injury, the 4Ms can make a difference in the number of days before discharge from the unit and decrease subsequent ICU readmissions," Dr. Fulmer said. "4Ms care reduces the harm that can come in healthcare settings." Dr. Fulmer explained that the 4Ms framework can trigger questions that might otherwise be overlooked, particularly with older patients, such as:

- Is an advance care plan in place in case patients cannot speak for themselves?
- Who is the patient's healthcare proxy?
- Are newly prescribed medications compatible with current medications?
- Which in-bed exercises are recommended?

Dr. Fulmer added that the age-friendly health systems movement is more important now than ever before because there is a major disconnect between what older people want from healthcare and what they feel they receive. A recent Harris Poll survey released by The John A. Hartford Foundation and Age Wave found that only 11% of older adults gave the healthcare system an A grade.² "Less than one in five older adults report getting all 4Ms," Dr. Fulmer said. "Those who do receive age-friendly care report much better healthcare relationships and outcomes than those who do not. That's why the movement is so important."

Dr. Fulmer is optimistic that critical care professionals can help accelerate the age-friendly health systems movement. "Critical care is complex, and it is hard," she said. "Each time we can find new ways to improve and streamline effective care, of course we want to do so. SCCM members can lead the way in continually improving care for older adults."

The Norma J. Shoemaker Honorary Lecture is named in honor of Norma J. Shoemaker, RN, MN, FCCM, one of SCCM's first nurse members and its first executive director.

**Tuesday, February 25, 2025
1:30 p.m. – 2:15 p.m.**

The Remarkable Potential of Xenotransplantation

Max Harry Weil Honorary Lecture



Muhammad Mansoor Mohiuddin, MD/MBBS, DSc (Hon), FAST

Professor of Surgery
Director of the Cardiac Xenotransplantation Program
University of Maryland School of Medicine
Baltimore, Maryland, USA

Muhammad Mansoor Mohiuddin, MD/MBBS, DSc (Hon), FAST, knows his work may come across as science fiction. But for Dr. Mohiuddin, his work is real and its potential is vast. Xenotransplantation is the process of transplanting nonhuman cells or organs into humans. "When a human organ stops functioning, we need to find an alternate way to provide that function," Dr. Mohiuddin said. "For hearts, you either need another human heart or a mechanical device. Unfortunately, not enough human hearts are available to save all human lives. Using a nonhuman heart that works the same way as the human heart to replace the diseased human heart will help us overcome this shortage."

During his thought leader session, Dr. Mohiuddin will discuss how xenotransplantation can help millions of people around the world. He expects that attendees will be surprised to see a pig heart functioning in a human or a baboon and doing everything a heart is supposed to do. "My main goal is to communicate that xenotransplantation is close to becoming a clinical reality," he said. "People should be prepared for the decision when they are offered this option."

Dr. Mohiuddin believes the content of his session is particularly relevant for critical care professionals. "This group of people deals with the most critical patients and knows how important it is to have an option for people with end-stage organ disease," he said. "What my colleagues and I are doing can make a huge impact. In the future, patients may not have to die because of organ shortage."

The Max Harry Weil Honorary Lecture is named in honor of Max Harry Weil, MD, PhD, MCCM, the founder and first president of SCCM.

References:

1. Lin P. Amara's law and its place in the future of tech. IEEE Computer Society. September 6, 2024. Accessed October 14, 2024. <https://www.computer.org/publications/tech-news/trends/amaras-law-and-tech-future>
2. John A. Hartford Foundation. Warning from older adults: care for aging in America needs urgent rethinking. September 17, 2024. Accessed October 14, 2024. <https://www.johnahartford.org/newsroom/view/warning-from-older-adults-care-for-aging-in-america-needs-urgent-rethinking>

BENEFITS OF ATTENDING CONGRESS



Build relationships and network with
5000+ members
of the critical care community

150+

world-renowned
expert critical
care speakers



1200+

abstracts and case
reports presented

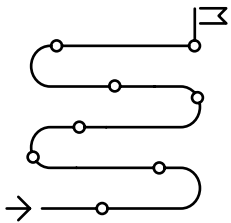
100+

sessions focused
on the latest
research
and hot
topics



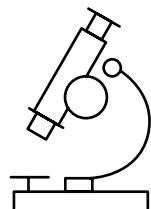
100+ ACE credits available through the in-person event + Congress Digital

TOP REASONS TO ATTEND:



ACCESS

training and resources needed
to attain your personal
and professional goals.



EXPLORE

new knowledge, tools,
and technologies to
improve patient care.



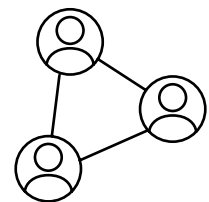
DISCOVER

the latest research and find
solutions to common issues.



CELEBRATE

the critical care community and
recognize key accomplishments.



TAKE BACK

new learning to share with
your critical care team.

BREAK THE ICE AT CONGRESS



ATTENDING CONGRESS FOR THE FIRST TIME? SCCM PROVIDES FIRST-TIME ATTENDEES WITH SUGGESTIONS OF WHAT TO EXPECT AT CONGRESS AND HOW TO MAXIMIZE THE CONGRESS EXPERIENCE BASED ON RECOMMENDATIONS FROM OTHER FIRST-TIME ATTENDEES. HEAR FROM THOSE WHO ATTENDED LAST YEAR'S BREAK THE ICE SESSION.

Amanda Leong, BSc, Pharm, ACPR, a critical care pharmacist at Foothills Medical Centre, Alberta Health Services, in Calgary, Alberta, Canada, knows her career aspirations are a bit unorthodox, at least for where she works. She is currently pursuing a doctorate degree in epidemiology at the University of Calgary's Cumming School of Medicine. Her goal is to become a pharmacist-scientist, an unusual role in Canada, she said.

Ms. Leong knew the job was more common in other parts of the world, and she wanted to meet other pharmacist-scientists to hear

about their experiences and any advice they might offer. So she turned to SCCM's annual Critical Care Congress. Ms. Leong, who has been an SCCM member since 2021, attended her first Congress in 2024. "I was eager to attend Congress to learn more about pharmacist-scientist careers worldwide," she said. "I was not only able to learn about these careers, I was also able to connect with international pharmacist-scientists."

Congress can be an incredible opportunity to network and learn, but it can also be overwhelming, particularly for first-time attendees. Congress



Saturday, February 22, 2025 • 5:30 p.m. – 6:30 p.m. • Orange County Convention Center

Attend the Break the Ice session to connect with other first-time attendees and receive helpful tips about what to do to make the most of your Congress experience.

BREAK THE ICE AT CONGRESS

was the single largest conference Ms. Leong had ever attended. Her first challenge was deciding which sessions to attend. She took advantage of two pre-Congress opportunities to help her plan her experience.

The first was a meeting of the SCCM Clinical Pharmacy and Pharmacology (CPP) Section. “The SCCM CPP Section was integral in helping me navigate Congress, feeling more comfortable and giving me contacts to help me feel like a part of a group,” she said. “I would have felt like a fish out of water without their community.”

The second opportunity was Break the Ice: First-Time Congress Attendee Gathering, at which first-time attendees gathered to get to know one another and receive helpful tips about what to expect at Congress. This event returns for the 2025 Congress. “It was a great session to learn about Congress, what it offers, and how to make the most of Congress,” Ms. Leong said. “The session was a great opportunity to meet other first-time attendees. It was nice to get to know other clinicians worldwide.”

Finding Direction While Breaking the Ice

Amy Dzierba, PharmD, BCCCP, FCCM, was a critical care pharmacist at NewYork-Presbyterian Hospital last year and is now the director of pharmacology research for the ASPIRE Trials Program at New York University, Grossman School of Medicine. She is also a current SCCM Executive Committee member. She was a cofacilitator of last year’s Break the Ice session. During the session, she talked about becoming an SCCM member in 2001 and memories of her first Congress experience. “Oh gosh, I was so lost,” she said. “I didn’t know where to start. Congress was just so overwhelming.”

Her goal for Break the Ice was to help first-time attendees move past that overwhelming feeling and discover strategies to make the most out of the experience. Dr. Dzierba spoke about the different types of sessions at Congress, the various special events, how to maximize the Congress app, and how to choose between two sessions with conflicting times.

The discussion was particularly helpful for Austin Burnette, PharmD, a critical care clinical pharmacist at Tampa General Hospital. “I would describe Congress as learning critical care through a firehose for three days, in the most incredible way,” Dr. Burnette said. “There are so many things that you want to do, and the hardest part is deciding which ones you will do.”

Dr. Dzierba stressed that one of the advantages of attending Congress is receiving access to session recordings after Congress. If you cannot choose between two sessions with conflicting times, you can attend one in person and watch the recording of the other one afterward. “What’s really neat about SCCM is that the Congress Digital recordings are included in the registration fee,” Dr. Dzierba said. “You’re not going to miss it. You’ll be able to rewatch it. And if you went to a session and didn’t quite capture the essence of what was being said, you can go back and watch it again.”

The emphasis on research at Congress was a primary draw for Dr. Burnette, who wanted to share the research he conducted as a resident while also expanding his knowledge. He joined SCCM in 2023 and was grateful to attend Congress in 2024. “Congress diversifies everyone’s practice,” he said. “It allows for sharing the wealth of knowledge we have all gained over the years.”

While Dr. Burnette will not be able to attend the 2025 Congress, he has some advice for first-time attendees. “Don’t feel like you have to go to everything,” he said. “Make a detailed plan for yourself, rely on that plan, and meet as many people as possible.”

The Power of Networking

Dr. Dzierba echoes Dr. Burnette’s sentiment. The biggest lesson she tried to convey during last year’s Break the Ice session was the value of networking. “Sometimes you believe you know the right way to do things, but talking to people who are experts in their field might add a different level of understanding for you,” she said. “They can also help direct you when you have an idea but maybe it’s not quite fully developed.”



“I would describe Congress as learning critical care through a firehose for three days, in the most incredible way.”

– Austin Burnette, PharmD

Dr. Dzierba also emphasized the value of mentors and how sometimes a simple networking conversation can turn into a career-long mentorship. It does not happen all the time, but it happens. Dr. Dzierba experienced that firsthand. “After training, you have a wealth of knowledge, but there’s so much more to learn,” she said. “SCCM members are so giving of their time. My first Congress I developed relationships and found mentors who are still my mentors today.”

That experience influenced all of Dr. Dzierba’s future Congresses. She knows it can be overwhelming, but with proper planning and the right attitude, the experience can be transformational. “I always get inspired when I go to Congress,” she said, “because I see everybody getting together in one space, sharing their knowledge and wanting to impart that knowledge so that others can do the same thing.”

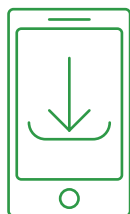
What to Look Forward to at Your First Congress



CRITICAL CARE
CONGRESS.

With so much to see and do, it can be difficult to know where to start!

FOLLOW THESE TIPS TO MAXIMIZE YOUR EXPERIENCE!



Review the program ahead of time and **download the SCCM Events App**



Attend abstract and case report presentations to **expand your research knowledge**

Check out events that require **separate registration**



Participate in **roundtable discussions**



Recharge at **Max's Cafe** with some coffee and conversation



Engage with the speakers

Scan the **QR code** for more



Walk through **Connections Central**



Check **#SCCM2025** on social media



Experience the **city**



Attend receptions, including:

- Break the Ice: First-Time Congress Attendee Gathering
- Early-Career Professionals Reception





CONNECTIONS CENTRAL (EXHIBIT HALL)

INDUSTRY EXHIBITS

Discover the latest tools and technologies from more than 140 companies that are changing the way critical care professionals work.

CONNECTIONS CENTRAL THEATERS

Industry education, the top-scoring abstracts and case reports, and more will be highlighted in these two theaters.

SCCM CENTRAL

Discover a comprehensive collection of critical care resources in one place. Check out SCCM products and merchandise, learn about membership options, participate in prize opportunities such as spinning the wheel for rewards, enter for a chance to win a smart watch, and more.

RESEARCH SNAPSHOT THEATERS

The authors of abstracts and case reports will present their research findings, allowing time for questions and answers from the audience.

CRITICAL CARE QUIZ SHOW

Gather for this friendly competition as contestants show off their critical care knowledge in this fast-paced game show.

FOR COMPLETE DETAILS ON CONGRESS, VISIT [SCCM.ORG/CONGRESS2025](https://sccm.org/congress2025).

POPULAR EVENTS, SESSIONS, AND ACTIVITIES



= Ticketed session requiring additional fee and advance registration.

Note: Subject to change. All times are given in Eastern Time.

Break the Ice: First-Time Congress Attendee Gathering

Saturday, February 22, 2025 • 5:30 p.m. - 6:30 p.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.

Abstract Research Awards

Sunday, February 23, 2025 • 4:30 p.m. - 5:30 p.m.

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

Advanced Practice Providers Luncheon

Monday, February 24, 2025 • 12:00 p.m. - 1:25 p.m.

Advanced practice providers and those who work closely with them are invited to attend and engage in networking and roundtable discussions led by subject matter experts in a variety of areas relevant to advanced practice.

ACCM Convocation and SCCM Awards Presentation

Monday, February 24, 2025 • 3:00 p.m. - 4:00 p.m.

New fellows and masters of critical care medicine will be inducted into the American College of Critical Care Medicine (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.

Early-Career Professionals Reception

Monday, February 24, 2025 • 5:00 p.m. - 7:00 p.m.

Network with peers at the Early-Career Professionals Reception. Residents, fellows, postdoctoral researchers, clinicians in training, and early-career faculty can connect with those established in their careers, building relationships and learning more about SCCM.

Educational Leadership Luncheon

Tuesday, February 25, 2025 • 12:00 p.m. - 1:25 p.m.

Critical care program directors, fellows, members of multiprofessional ICU teams, and those with a passion for critical care education are invited to attend. Review strategies for incorporating resilience, wellness, and self-care into critical care training and practice while participating in case-based small group discussions.

Check out the Geriatric KEG update at the end of this issue for session details. 

Max's Cafe

A visionary, inventor, and teacher, Max Harry Weil, MD, PhD, MCCM, served as the first and founding president of SCCM. Dr. Weil was known to gather friends and colleagues to debate the issues of the day. He reveled in sharing ideas, sometimes well into the night. Max's Cafe serves as a tribute to Dr. Weil's legacy. Congress attendees can visit a pop-up Max's Cafe to share coffee and conversation. The Society invites you to revel in the connections that Dr. Weil knew were so important to the advancement of critical care.



Select Member Lounge

SCCM Select members access an exclusive lounge designed for networking and collaboration. Step inside for coffee, light refreshments, and a complimentary gift. Find a workstation to check email, recharge devices, or relax between sessions. Not a Select member? Upgrade or join at the lounge or visit sccm.org/join to elevate your Congress experience and unlock a world of professional resources.

(re)Charge Zone

Charge your devices and get tips on recharging yourself. Self-care is critical for clinician well-being! Visit the (re)Charge Zone to relax, learn a few simple yoga moves, get personalized resources to improve well-being, and more.

Accredited Continuing Education Symposia

Learn about clinical breakthroughs and advances that lead to better patient care during these thought-provoking sessions. Led by critical care experts, each symposium offers a thorough analysis of the developments and controversies affecting most ICU environments.



Connect and Converse Corner

Engage with fellow attendees on discussions and debates focused on critical care topics.

Roundtable Discussions

Participate in discussions on critical care topics led by experienced facilitators and network with peers on a variety of professional, career, and leadership subjects.



Geriatrics Track

In partnership with the American Geriatrics Society

A special education track on geriatric medicine will run on Tuesday, February 25. This track will feature sessions highlighting care of geriatric patients in the ICU, including tips for creating an age-friendly ICU and special considerations in older patients with traumatic injuries.

PRE-CONGRESS EDUCATIONAL OPPORTUNITIES



= Ticketed session requiring additional fee and advance registration.

Note: Subject to change. All times are given in Eastern Time.

EACH COURSE IS PACKED WITH ESSENTIAL CLINICAL INFORMATION TO KEEP YOU UP TO DATE ON VARIOUS CRITICAL CARE TOPICS. MANY OFFER THE OPPORTUNITY TO EARN ACE CREDITS AND MOC POINTS. ADDITIONAL REGISTRATION IS REQUIRED. REGISTER EARLY TO SECURE YOUR SEAT!

FRIDAY, FEBRUARY 21 OR SATURDAY, FEBRUARY 22, 2025

Critical Care Ultrasound: Adult (Skills Event)

Increase your ultrasound diagnostic skills and scanning proficiency. After studying the textbook and viewing the presentations online, attend this full-day hands-on skills session led by experts. Live models are used to provide the realistic training needed to perform and interpret ultrasound imaging. On completion, you will be able to immediately integrate the skills you learned into clinical practice.

Date: Friday, February 21 or Saturday, February 22, 2025

Time: 7:00 a.m. – 5:30 p.m.

Continuing Education: 17.5 ACE credits and MOC points

Includes:

- 9.5 hours of online ultrasound presentations by subject matter experts
- 8 hours of hands-on skills training using live models and ultrasound equipment
- *Comprehensive Critical Care Ultrasound* eBook
- ICU quick reference guide



Critical Care Ultrasound: Pediatric and Neonatal (Skills Event)

Obtain the realistic training needed to perform and interpret pediatric ultrasound imaging. After studying the textbook and viewing the presentations online, attend this full-day hands-on skills session led by experts. Live models are used to provide the realistic training needed to perform and interpret ultrasound imaging. On completion, you will be able to immediately integrate the skills you learned into clinical practice.

Date: Friday, February 21 or Saturday, February 22, 2025

Time: 7:00 a.m. – 5:30 p.m.

Continuing Education: 17.5 ACE credits and MOC points

Includes:

- 9.5 hours of online ultrasound presentations by subject matter experts
- 8 hours of hands-on skills training using live models and ultrasound equipment
- *Comprehensive Critical Care Ultrasound* eBook
- ICU quick reference guide

ELSO Extracorporeal Membranous Oxygenation (ECMO) Simulation Course



Held in partnership with the Extracorporeal Life Support Organization

Explore venoarterial and venovenous ECMO concepts using patient case scenarios during either one-day course. In a small-group setting, participants have an opportunity for interactive learning and troubleshooting of clinical cases. This course is structured for multiprofessional learning at various stages of experience. Learners should have completed the ELSO Virtual ECMO Training Course or have a strong foundational knowledge of ECMO patient care.

Date: Friday, February 21 or Saturday, February 22, 2025

Time: 8:00 a.m. – 5:00 p.m.

Includes:

- Full day of in-person education

Continued on page 20

PRE-CONGRESS EDUCATIONAL OPPORTUNITIES



= Ticketed session requiring additional fee and advance registration.



Note: Subject to change. All times are given in Eastern Time.

FRIDAY, FEBRUARY 21, 2025

Critical Care Ultrasound: Life Support and Sepsis

Gain beginner point-of-care ultrasound skills to assist in the management of patients with cardiac arrest and sepsis. This one-day hands-on course focuses on acquisition of a single subcostal cardiac window and limited lung examination. High-fidelity simulation will be used to apply a protocolized approach to managing patients with cardiac arrest during pulse, rhythm, and echocardiography checks.

Date: Friday, February 21, 2025

Time: 7:00 a.m. – 5:30 p.m.

Continuing Education: 10 ACE credits and MOC points

Includes:

- 6 hours of ultrasound presentations by subject matter experts
- 4 hours of hands-on skills training using live models and ultrasound equipment
- *Comprehensive Critical Care Ultrasound* eBook
- ICU quick reference guide

SATURDAY, FEBRUARY 22, 2025

Critical Care Ultrasound: Advanced Echocardiography (Half-Day Course)

Expand your fundamental echocardiographic skills and knowledge in this half-day hands-on course. After studying the textbook and viewing the presentations online, attend the learning lab for a guided classroom experience in which participants perform valvular and hemodynamic measurements, with an emphasis on correct measurement technique.

Date: Saturday, February 22, 2025

Time: 7:00 a.m. – 12:00 p.m. OR 12:30 p.m. – 5:30 p.m.

Continuing Education: 9.5 ACE credits and MOC points

Includes:

- 5.5 hours of online ultrasound presentations with high-quality advanced sonographic images by subject matter experts
- 4 hours of hands-on skills training using live models and ultrasound equipment
- *Comprehensive Critical Care Ultrasound* eBook
- ICU quick reference guide



Critical Care Innovation Incubator

The Critical Care Innovation Incubator is a catalyst for creating meaningful change in critical care. This innovative event brings together the brightest minds from diverse disciplines to spark collaboration, inspire solutions, and fuel the future of patient care.

Connect With Visionaries

Convene with renowned clinicians, researchers, industry leaders, investors, program officers, and funders to share ideas and build powerful partnerships. Witness groundbreaking solutions showcased through poster and pitch presentations. Network with those shaping the future of critical care.

Stay Ahead of the Curve

Dive into the latest trends and breakthroughs transforming pharmaceuticals, medical technology, big data, and AI in critical care. Be at the forefront of innovation and contribute to shaping the future of patient care.

Invest in What's Next

Gain unparalleled opportunities to support and benefit from the next wave of advancements in critical care. Don't miss this chance to invest in a healthier tomorrow.

Whether you're an entrepreneur in the trenches or a motivated clinician-innovator, the Critical Care Innovation Incubator offers resources to help you navigate the innovation landscape.

Date: Saturday, February 22, 2025

Time: 7:00 a.m. – 7:00 p.m.

Includes:

- 1 full day of in-person interactions
- Networking time with industry leaders and investors
- Poster and pitch presentations, roundtables, and exhibits
- Exclusive evening networking reception

Collaborate with diverse stakeholders, stay informed on the latest advancements, and help create a future of improved patient outcomes.

Who Should Attend

The Critical Care Innovation Incubator is designed for a diverse group of professionals passionate about shaping the future of critical care. Critical care clinicians, healthcare professionals, and hospital executives will find valuable opportunities for collaboration and innovation. Industry professionals and executives, along with data and AI experts, will stay at the forefront of the latest trends and breakthroughs. Investors and venture capitalists can support and benefit from the next wave of advancements. The event is also ideal for business development specialists, business venture arms of academic medical centers, and federal innovation partners looking to drive meaningful change in patient care.

This event is part of SCCM's Discovery, the Critical Care Research Network.

PRE-CONGRESS EDUCATIONAL OPPORTUNITIES



= Ticketed session requiring additional fee and advance registration.

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Airway and Mechanical Ventilation Management for the Critically Ill Patient (Skills Event)

Review airway and mechanical ventilation management strategies for critically ill patients. Topics covered include airway assessment; emergent intubation; airway management pharmacology; rescue techniques for maintaining ventilation; traditional and novel techniques for difficult airway management in adult patients; and indications, contraindications, and benefits of ventilatory support modes. After studying the textbook and viewing the presentations online, attend this full-day skills session and learn and practice with expert faculty during hands-on skills training encompassing laryngoscopy, fiberoptic intubation, surgical approaches to airway establishment, and rescue strategies. Hands-on skills training on mechanical ventilation will focus on mode selection, troubleshooting patient-ventilator dyssynchrony, and alternative modes available for the critically ill adult patient.

Date: Saturday, February 22, 2025

Time: 7:00 a.m. – 5:30 p.m.

Continuing Education: 12.5 ACE credits and MOC points

Includes:

- 4.25 hours of online presentations by subject matter experts
- 8 hours of interactive skills training
- *Airway and Mechanical Ventilation Management* eBook

Current Concepts in Pediatric Critical Care

Explore controversial, cutting-edge, and timely topics that are directly applicable to the care of critically ill pediatric patients during this full-day course. The course content will engage participants in a variety of didactic and panel discussions on pediatric acute respiratory distress syndrome updates, multiprofessional education, immune dysfunction and immunomodulation, obesity, and more.

Date: Saturday, February 22, 2025

Time: 7:00 a.m. – 4:00 p.m.

Continuing Education: 6.5 ACE credits and MOC points

Includes:

- 1 full day of in-person education
- *Current Concepts in Pediatric Critical Care* eBook

Leadership and Management Skills to Enhance Your Professional Role

Gain valuable insights and tools on topics including mentorship, leadership, and workplace relationships that are specific to practitioners in critical care. View presentations online ahead of the live course, then join members of SCCM's Leadership, Empowerment, and Development (LEAD) Committee in person to engage in interactive experiences, presentations, and small-group exercises. Subject matter experts will share their personal journeys related to serving as volunteers and leaders within SCCM and offer perspectives on personal and professional career pathways going from early career to mid-career and later. Complete the day with a networking social event for attendees and faculty.

Date: Saturday, February 22, 2025

Time: 8:00 a.m. – 6:00 p.m.

Continuing Education: 7.25 ACE credits

Includes:

- 1 full day of in-person education
- Online course access with expert presentations
- Networking social event for attendees and faculty

Deep Dive: An Introduction to AI in Critical Care Medicine

Equip yourself with foundational skills and perspectives necessary to leverage artificial intelligence (AI) effectively and responsibly in critical care environments. Experts will discuss various applications of AI, using real-world demonstrations of how these technologies can enhance patient outcomes, streamline workflows, and support clinical decision-making. Gain insights into the practical aspects of AI implementation and integration within healthcare settings, addressing the technical, organizational, and infrastructural challenges involved. The course also emphasizes the importance of ethical and legal considerations, fostering a critical understanding of data privacy, consent, accountability, and the potential biases inherent in AI systems.

Date: Saturday, February 22, 2025

Time: 1:00 p.m. – 5:00 p.m.

Continuing Education: 3.75 ACE credits and MOC points

Includes:

- Half-day of in-person education

COMPREHENSIVE PROGRAM TOPICS

LEARNING OBJECTIVES

AT THE CONCLUSION OF THE 2025 CRITICAL CARE CONGRESS, PARTICIPANTS SHOULD BE ABLE TO:

- ▲ Apply new knowledge and strategies to optimize the care of critically ill patients as provided by the multiprofessional team
- ▲ Examine evidence-based medicine techniques to evaluate and improve patient care
- ▲ Review and integrate guidelines to measure performance and identify areas for further study and improvement

ADMINISTRATION

- Advancing Health at the Speed of AI (William Shoemaker Honorary Lecture)
- Changing Market Forces in the Critical Care Workforce: Physicians, APPs, Pharmacists, and Nurses
- Climate Change: Why Health Systems Matter Now (Ake Grenvik Honorary Lecture)
- Critical Care 2030: A Too-Long Wish List (Lifetime Achievement Award)
- Going Green: Creating a Sustainable ICU
- Pro/Con: Split-Shared Billing in the ICU: Should We Bill Solely Under the APP?
- The Impact of Health Disparities in Care Delivery: Joint SCCM/CCSC Session
- Who Is an Intensivist and What Should Every Intensivist Know?

BEHAVIORAL HEALTH AND WELL-BEING

- Don't Just Do Something, Stand There: Productivity Guilt and Its Impact on Clinicians
- Unlocking the Magic of Wellness: A Disney-Inspired Approach to Critical Care Clinician Training

CARDIOVASCULAR

- Still in Shock! Challenges and Controversies in Refractory Shock Management

ENDOCRINE

- Critical Care and Perioperative Implications of New Diabetic Medications

EPIDEMIOLOGY OUTCOMES

- Critical Care Chronobiology: Should We Reset the Clocks?
- Global Outreach in Critical Care Medicine: Do We Need It?
- The New Frontier: The Role of AI and Translational Research in Global Outreach Critical Care

GERIATRICS

- A Quarter-Century of Delirium in the ICU: Where Are We Now?
- At the Intersection of Age and Injury: Special Considerations in the Care of the Older Patient With Traumatic Injury

- Goal-Concordant Care, Palliative Care, and End-of-Life Care in the Older ICU Patient
- Optimizing Analgesia Strategies in the Older Trauma Patient
- The 4Ms for Critical Care: Practical Tips for Creating an Aging-Friendly ICU
- Why the 4Ms Approach to Critical Care Improves Quality: Lessons from the Age-Friendly Health Systems Movement (Norma Shoemaker Honorary Lecture)

GI AND NUTRITION

- ACCM Town Hall: Shedding Light on the Intestinal Microbiome
- Managing Failing Liver in the Critically Ill: A Multipronged Approach
- SCCM and ASHP Guideline for Prevention of Stress-Related Upper GI Bleeding: More Than a Gut Feeling

HEMATOLOGY

- Future Strategies for ECMO Anticoagulation

IMMUNOLOGY

- Advanced Management of Rheumatologic Emergencies in the ICU

INFECTION

- A Line in the Sand: Antibiotic Breakpoints in Critically Ill Patients
- It's Getting Hot in Here: New Strategies for Fever of Unknown Origin in the Critically Ill

NEUROSCIENCE

- Conundrums in Neurocritical Care Practice
- My Patient Won't Wake Up, Now What? An Approach to Altered Mental Status in the ICU
- SCCM and ASHP Guideline for Prevention of Stress-Related Upper GI Bleeding: More Than a Gut Feeling

PATIENT AND FAMILY SUPPORT

- Caring for Patients, Families, and Each Other: Humanizing ICU Care for All
- Patient- and Family-Centered Care or Resort Management: Is the Customer Always Right?

COMPREHENSIVE PROGRAM TOPICS

PEDIATRICS

- Addressing the Z-Axis of Critical Illness: Sex and Development as Variables
- Contestation of Pediatric Brain Death: Practical Strategies for Clinicians and Hospital Personnel
- Controversies in Liver Intensive Care
- International Pediatric Critical Care Trials: Challenges, Barriers, and Opportunities
- Management of Inhalation Injury in Children: What Pediatric Intensivists Need to Know
- Meeting the Dynamic Needs of the Pediatric ICU Population: Regionalization, Resources, and Capacity
- Pediatric Critical Asthma: Clinical Practice Guidelines
- Sympathetic Storming: How to Forecast the Weather of Neurologic Injury Sequelae
- The Delicate Dance Between the PICU and the Ward: Keeping the Patient Safe While Utilizing Resources Wisely
- Understanding Brain Injury During Pediatric ECMO
- What's New in Pediatric Liver Intensive Care? A Joint SCCM/ESPNIC Session
- You Don't Have to Go Home, but You Can't Stay Here

PHARMACOLOGY

- Treatment Strategies for Opioid Use Disorder in the ICU

PROCEDURES

- Image Interpretation in Critical Care Ultrasound: Cognitive Skills
- Pro/Con: Early Tracheostomy in Adults: How Soon Is Too Soon?
- The Remarkable Potential of Xenotransplantation (Max Harry Weil Honorary Lecture)

PROFESSIONAL DEVELOPMENT AND EDUCATION

- Abstract Research Awards
- Advanced Practice Providers Luncheon
- Educational Leadership Luncheon: Incorporating Resilience, Wellness, and Self-Care Into Critical Care Training and Practice

- From Bench to Bedside and East to West: Updates in Critical Care From China and the U.S.: Joint SCCM/China Critical Care Society Session
- Flying High With Systems Thinking: The Paper Airplane Factory Board Game Interactive Session
- From Struggle to Success: Overcoming Immigration Hurdles in Pursuit of Critical Care Excellence (Interactive Discussion)
- How to Become an ACCM Fellow
- Joint SCCM/ESICM Session
- Looking to the Future With Critical Care Respiratory Therapists: A Joint AARC/SCCM Session
- The Bull in the China Shop: Workload Theory in the Multidisciplinary ICU

PULMONARY

- ECMO for Respiratory Failure: Beyond Initiation to Separation
- Managing Challenging Patient-Ventilator Interactions
- Pro/Con: The New Definition of ARDS: Does It Matter?
- Pulse Oximetry as a Source of Racial Bias in the ICU: Update From the New International Standards

QUALITY AND PATIENT SAFETY

- Essential Emergency and Critical Care: The Foundation of Global Critical Care
- From Basics to Breakthroughs: Navigating the Role of Artificial Intelligence in Critical Care
- Guidelines for the Management of Heatstroke
- Situational Awareness, Common Operational Picture, and Team Dynamics in Clinical Deterioration
- The Safer Hospital of Tomorrow

RENAL

- Avoiding the Multiplication of Multiorgan Failure in AKI

RESEARCH

- ACCM Distinguished Investigator, Discovery Grant Recipient, and SCCM-Weil Research Grant Recipient
- Bridging Global Research: Leveraging Discovery's Data Science Campaign and WHO Registries for Breakthroughs

- Can Learning Healthcare Systems Bridge the Data Generation Gap to Inform Critical Care of Children?
- Discovery PCORI: Addressing Barriers to Patient and Family Engagement in Research
- SCCM Discovery Data Science Campaign and NIH Bridge2AI: The Future Is Now!

RESUSCITATION

- Hot Topics in Modern Cardiac Arrest Management
- Laerdal Presentation
- Who Is on the SWAT Team: Does the Rapid Response Team Need a Doc?

SEPSIS

- De-Resuscitation: When and How to Empty the Tank
- Sepsis Care: Personalized or Protocolized?

SHOCK NON-SEPSIS

- Tissue Perfusion and Microcirculation in Shock (Peter Safar Honorary Lecture)
- Why Is My Patient Hypotensive? Mechanisms Underlying Development and Persistence of Shock

TRAUMA

- Firearm Violence: The Intensivist's Role in an American Pandemic
- There's Blood Everywhere but in the Patient: Transfusion Issues in Trauma Patients

YEAR IN REVIEW

- Year in Review: Anesthesiology
- Year in Review: Clinical Pharmacy and Pharmacology
- Year in Review: Emergency Medicine and Prehospital Care
- Year in Review: Internal Medicine
- Year in Review: Neurosciences
- Year in Review: Nursing
- Year in Review: Pediatrics
- Year in Review: Physician Assistant
- Year in Review: Research
- Year in Review: Respiratory Care
- Year in Review: Surgery
- Year in Review: Telecritical Care Medicine

HOTEL AND TRAVEL INFORMATION



HOTEL ACCOMMODATIONS

Take advantage of discounted Congress hotel rates by making your reservation in an SCCM hotel room block. All reservations are subject to availability. The deadline for booking at discounted SCCM rates is Monday, January 27, 2025. Visit sccm.org/travel to make your reservation.

Benefits of the SCCM Room Block

- Exclusive and deeply discounted room rates
- Access to perks and a guest experience tailored to Congress attendees
- Hotel staff recognition of your affiliation with SCCM so they can better address your needs
- Assurance that your hotel is vetted and within walking distance of the convention center
- Access to government rates for eligible guests

Congress Headquarters Hotel

Hyatt Regency Orlando

9801 International Drive, Orlando, Florida



Other Official Hotels

- Days Inn Orlando Convention Center/International Drive
- Rosen Centre Hotel
- Homewood Suites by Hilton Orlando-International Drive/Convention Center
- Rosen Plaza Hotel

See the full list at sccm.org/travel.



Important notice: Be aware of data scams.

Every year SCCM receives reports of unsolicited offers or persons misrepresenting themselves as agents of SCCM. Any such offers are unaffiliated with SCCM and may be fraudulent. Attendees are strongly encouraged to make hotel arrangements only through the links provided on SCCM's Congress housing web page or directly through a hotel website.



AIR TRAVEL

SCCM has arranged for discounted airfare with United Airlines and Delta Airlines for travel to Orlando, Florida, for the 2025 Congress.

Delta Airlines

Discount Booking Code: NM445

Website: delta.com

By phone: +1 800 328-1111

United Airlines

Discount Booking Code: ZQ2N633028

Website: united.com

By phone: +1 800 426-1122



CAR RENTAL

SCCM has negotiated special car rental rates for Congress attendees.

Enterprise

Website: enterprise.com

Account number: XZP1SCC

National

Website: nationalcar.com

Account number: XZP1SCC



CHILDCARE SERVICES

SCCM offers childcare services during the 2025 Critical Care Congress. Children aged 6 months to 12 years are eligible for childcare at the headquarters hotel on a first-come, first-served basis by prior registration. Space is limited. SCCM subsidizes this cost for families. The fee is \$15 per hour. Childcare services will be available during the following times:

Sunday, February 23, 2025 6:30 a.m. – 6:30 p.m.

Monday, February 24, 2025 6:30 a.m. – 6:30 p.m.

Tuesday, February 25, 2025 6:30 a.m. – 6:30 p.m.

Visit sccm.org/travel to sign up.

Please note: Children are not permitted to attend educational sessions at Congress.