continuum
OF CARE

Critical Care Congress®

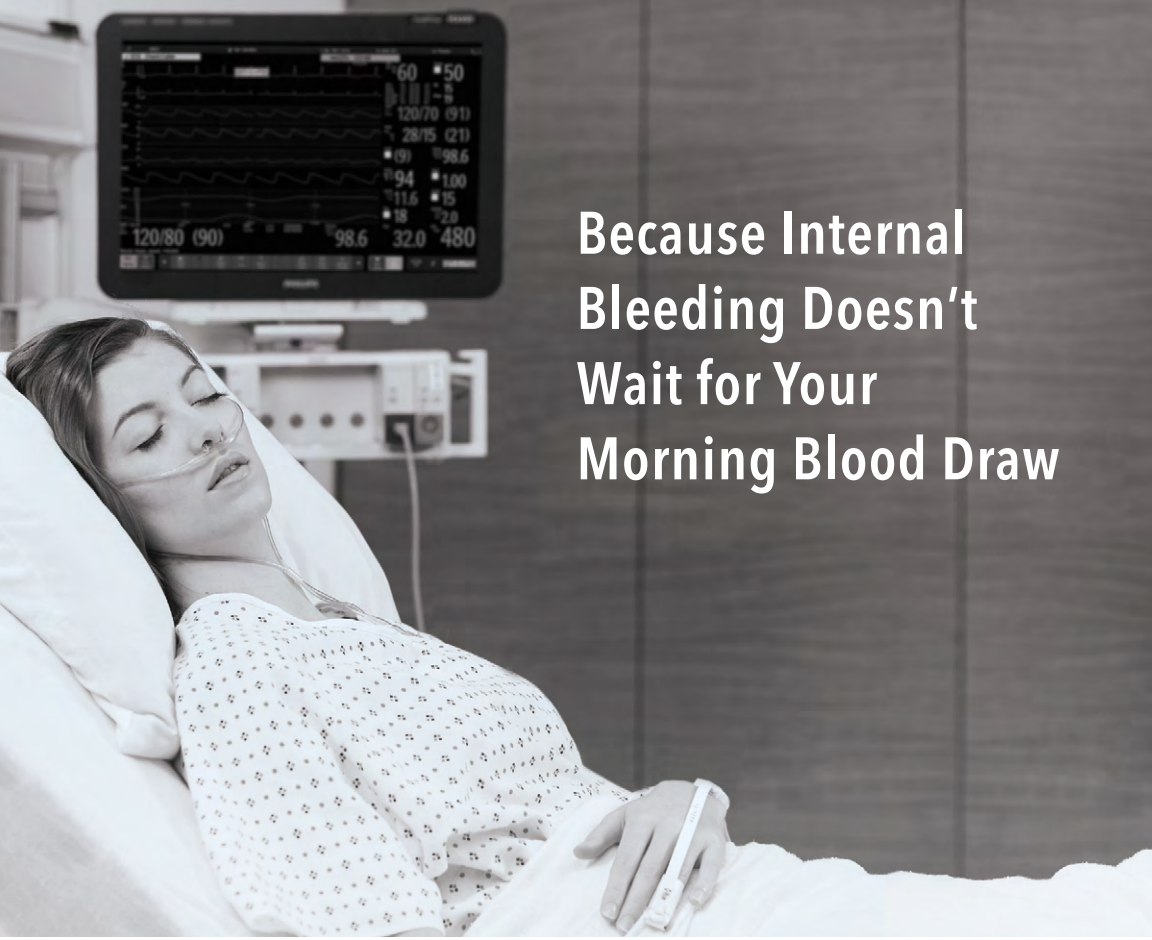
PROGRAM AND EXHIBITION GUIDE

February 17-20, 2019 | San Diego Convention Center | San Diego, California, USA

Society of Critical Care Medicine
The Intensive Care Professionals

Right Care Right Now®

Download the Congress App at
sccm.org/CongressApp



SpHb®

Noninvasive and continuous total hemoglobin monitoring with **SpHb®** provides additional insight between routine invasive blood samples, which may alert clinicians of a dropping hemoglobin trend sooner.[1,2]

For more information, visit
masimo.com/SpHb

Masimo

Patient monitoring partner
PHILIPS

Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

SpHb monitoring is not intended to replace laboratory blood testing. Blood samples should be analyzed by laboratory instruments prior to clinical decision making.

[1] García-Soler P, et al. *Med Intensiva*. 2017 May;41(4):209-215. [2] Erdogan Kayhan G, et al. *Minerva Anestesiol*. 2017 May;83(5):485-492.

PLCO-002456/PLMM-10987A-1218 PLLT-10330D | © 2018 Masimo. All rights reserved.

SAVE THE DATE

February 16-19, 2020
Orange County Convention Center
Orlando, Florida, USA

Visit sccm.org/Congress2020 to receive an email notice when registration opens.

The world of critical care medicine is changing faster than ever. Integrating innovative technologies and strategies to address new and evolving challenges requires new ways of thinking.

In 2020, the Society of Critical Care Medicine (SCCM) will be hosting the 49th Critical Care Congress in Orlando, Florida, USA.

Don't miss the largest multiprofessional critical care event of the year!

We invite you to take part in discussing the future of our world through:

- **Collaborating** with members of the entire multiprofessional team to solve complex challenges and remove barriers to improving care
- Engaging in **hands-on workshops** and interactive debates hosted by renowned faculty from around the globe
- Exploring the **latest technologies** and tools from more than 100 exhibitors that are changing the way we work

Registration opens summer 2019 at sccm.org/Congress.

Society of Critical Care Medicine
The Intensive Care Professionals

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Right Care Right Now.

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Share your Congress experience on social media! Use **#CCC48** and mention us on: @SCCM1 @SCCM @SCCMcriticalcare

DOWNLOAD THE CONGRESS APP!

- Access the most current listings of the sessions, business meetings, abstracts, research snapshot theaters, and more.
- Check in to your attended sessions to expedite claiming continuing education credit.
- Build your own schedule.
- View faculty disclosures.
- Connect with colleagues.
- Take notes during sessions.

SCCM EVENTS

Search "SCCM Events" in Google Play or the iTunes store. Registrants will have access to the Congress Event.

Download: sccm.org/CongressApp
Login: Your registration email address
Password: SCCM19

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Become a Member of the Society of Critical Care Medicine (SCCM), the Only Multiprofessional Critical Care Organization

Become a Professional Member today and save!

- **$305 for Physicians (regular rate ~~$405~~)**
- **$128 for Healthcare Professionals (regular rate ~~$178~~)**

Offer available only on site and for Professional Membership only. Excludes membership renewals.

Membership Types and Benefits

Associate Membership

- Discounts on SCCM resources
- Subscription to *Critical Connections*
- Access to SCCM Connect
- Membership in specialty sections
- Submit abstracts for Critical Care Congress®
- Member-only benefits in LearnICU
- Free SCCM live webcasts

Professional Membership

Receive all benefits of Associate Membership plus:

- Subscription to *Critical Care Medicine*
- Volunteer opportunities on committees
- Eligibility to vote and hold office
- Eligibility to join ACCM**
- Apply for grants and receive preferred awards

Select Membership

Receive all benefits of Associate and Professional Membership plus:

- Early registration for SCCM events
- Private lounge and invitation to special events at Critical Care Congress
- Free ACCM* fellowship for Fellows of the American College of Critical Care Medicine
- Free SCCM On Demand products and select ePublications
- Subscription to Select Edition eNewsletter

*American College of Critical Care Medicine (application fee included)

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Visit the SCCM Special Assistance desk to become a member today!

GIAPREZA™
(angiotensin II)
injection for intravenous infusion

RAAS ACTIVATION
MAP ELEVATION

GIAPREZA is the first and only FDA-approved synthetic human angiotensin II that increases blood pressure in adults with septic or other distributive shock.

70%

70% of patients treated with GIAPREZA achieved target MAP at Hour 3 versus 23% of patients treated with placebo[a,b,c]

Only GIAPREZA activates the RAAS to increase MAP

5 minutes

GIAPREZA rapidly increased MAP, with a median response time of approximately 5 minutes for GIAPREZA responders, while some patients took longer[c,d]

More patients treated with GIAPREZA experienced thromboembolic events compared with patients treated with placebo (12.9% versus 5.1%).[c] Use concurrent venous thromboembolism prophylaxis

New Technology Add-on Payment Status Granted.
Effective October 1, 2018.

Visit La Jolla Pharmaceutical Company
At Booth #333

Abbreviations: MAP, mean arterial pressure; RAAS, renin-angiotensin-aldosterone system.
[a]Target MAP defined as ≥75 mmHg or an increase from baseline of ≥10 mmHg without an increase in baseline vasopressor therapy.
[b]GIAPREZA and placebo were studied in conjunction with norepinephrine, epinephrine, dopamine, phenylephrine, and vasopressin.
[c]Results from the ATHOS-3 trial.
[d]Response was defined as achievement of target MAP ≥75 mmHg or increase of ≥10 mmHg from baseline without an increase in baseline vasopressor therapy.

La Jolla® Pharmaceutical

Important Safety Information

Indication

GIAPREZA™ (angiotensin II) increases blood pressure in adults with septic or other distributive shock.

Contraindications

None.

Warnings and Precautions

The safety of GIAPREZA was evaluated in 321 adults with septic or other distributive shock in the randomized, double-blind, placebo-controlled ATHOS-3 study. There was a higher incidence of arterial and venous thrombotic and thromboembolic events in patients who received GIAPREZA compared to placebo treated patients in the ATHOS-3 study [13% (21/163 patients) vs. 5% (8/158 patients)]. The major imbalance was in deep
venous thromboses. Use concurrent venous thromboembolism prophylaxis.

Adverse Reactions

The most common adverse reactions reported in greater than 10% of GIAPREZA-treated patients were thromboembolic events. Adverse reactions occurring in ≥4% of patients treated with GIAPREZA and ≥1.5% more often than placebo-treated patients in the ATHOS-3 study were thromboembolic events (including deep vein thrombosis), thrombocytopenia, tachycardia, fungal infection, delirium, acidosis, hyperglycemia, and peripheral ischemia.

Drug Interactions

Angiotensin converting enzyme inhibitors may increase response to GIAPREZA.

Angiotensin II receptor blockers may reduce response to GIAPREZA.

**To report SUSPECTED ADVERSE REACTIONS, contact La Jolla Pharmaceutical at 1-800-651-3861 or the FDA at 1-800-FDA-1088
or www.fda.gov/medwatch.**

Please see the full Prescribing Information at www.giapreza.com.

La Jolla Pharmaceutical

GIAPREZA™ is marketed by La Jolla Pharmaceutical Company on behalf of La Jolla Pharma LLC, its wholly owned subsidiary. © 2018 La Jolla Phamaceutical®.

PM-US--0252

GIAPREZA™ (angiotensin II) injection for intravenous infusion

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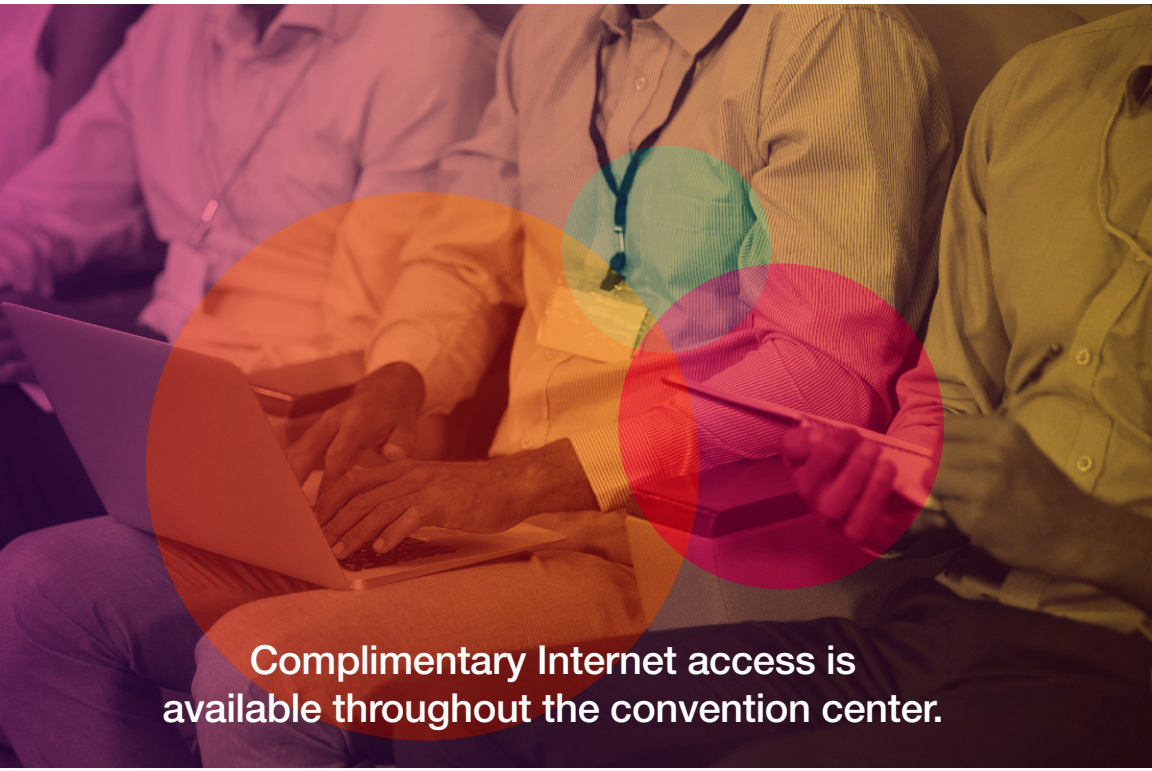
FREE WiFi

at the Society of Critical Care Medicine's 48th Critical Care Congress!



CONNECT USING SSID: CCC48

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CHECK OUT THE TECH LAB!

Learn, collaborate, and network with fellow attendees about the latest and best technologies available in your personal and professional life. Technology demonstrations, experiential learning, social media analysis, and talks about a variety of technology topics will be featured.

The Tech Lab will be in **Room 27** in the Convention Center **View the complete schedule in the Congress app.**

TECH TALK	
Sunday, February 17, 2019	
9:30 a.m. - 9:45 a.m.	Introduction to Tech Lab for Attendees
9:45 a.m. - 10:00 a.m.	SCCM Patient Communicator App
10:00 a.m. - 10:30 a.m.	Technology of the Future, Now: AI on Your Devices
11:00 a.m. - 11:30 a.m.	Top 10 Must-Have Apps for Medical Professionals
12:00 p.m. - 12:30 p.m.	Alternatives to PowerPoint: Bring Your Research to Life!
1:00 p.m. - 1:30 p.m.	Technology the "Minority Report" Way
3:45 p.m. - 4:15 p.m.	Top 10 Must-Have Apps for Medical Professionals
Monday, February 18, 2019	
9:00 a.m. - 9:15 a.m.	SCCM Patient Communicator App
9:15 a.m. - 9:45 a.m.	Top 10 Must-Have Apps for Medical Professionals
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11:45 a.m. - 12:15 p.m.	Technology the "Minority Report" Way
12:45 p.m. - 1:15 p.m.	Alternatives to PowerPoint: Bring Your Research to Life!
3:00 p.m. - 3:15 p.m.	SCCM Patient Communicator App
3:15 p.m. - 3:45 p.m.	Top 10 Apps-on-the-Go: Apps That Help When You Are OOO [Out-of-Office]
Tuesday, February 19, 2019	
9:00 a.m. - 9:15 a.m.	SCCM Patient Communicator App
9:15 a.m. - 9:45 a.m.	Top 10 Apps-on-the-Go: Apps That Help When You Are OOO [Out-of-Office]
12:00 p.m. - 12:15 p.m.	SCCM Patient Communicator App
1:00 p.m. - 1:30 p.m.	Top 10 Must-Have Apps for Medical Professionals
3:15 p.m. - 3:45 p.m.	Alternatives to PowerPoint: Bring Your Research to Life!
HANDS-ON TECH	
Sunday, February 17, 2019	
9:30 a.m. -10:30 a.m.	Walk-In LinkedIn Profile Review Clinic
11:00 a.m. - 11:30 a.m.	Get to Know Your Tablet Inside & Out!
12:00 p.m. - 1:30 p.m.	Walk-In Website Review Clinic
3:30 p.m. - 4:00 p.m.	Walk-In LinkedIn Profile Review Clinic
4:15 p.m. - 4:45 p.m.	Using Google Analytics
Monday, February 18, 2019	
9:00 a.m. - 9:45 a.m.	Walk-In LinkedIn Profile Review Clinic
9:45 a.m. - 10:45 a.m.	Walk-In Website Review Clinic
11:00 a.m. - 11:30 a.m.	Choosing New Hardware or Devices
12:15 p.m. - 1:15 p.m.	Walk-In LinkedIn Profile Review Clinic
3:15 p.m. - 4:00 p.m.	Walk-In LinkedIn Profile Review Clinic
4:15 p.m. - 4:45 p.m.	Tips and Tricks to Tame Your Inbox
Tuesday, February 19, 2019	
9:00 a.m. - 11:15 a.m.	Walk-In Open Topic Discussion
12:15 p.m. - 1:30 p.m.	Choosing New Hardware or Devices
3:15 p.m. - 4:45 p.m.	Walk-In Open Topic Discussion

HOT TOPIC TECH

Some of the hot topics being presented include:

- Artificial Intelligence (AI) in Healthcare
- Machine Learning and Big Data
- Continuous Bedside Monitoring and Centralized Monitoring
- Blockchain in Healthcare

Make sure to check the app for the most up-to-date schedule additions and updates. Don't miss your chance to engage in interactive discussions on cutting edge topics in technology!

ROUNDTABLE DISCUSSIONS

Discuss critical care topics and network with peers on a variety of professional, career, and leadership subjects. These discussions are led by experienced moderators. Attendees will participate in two different topic discussions by rotating at the half-hour mark.

Check the Congress app for a complete listing of discussion topics.

Participate in Roundtable Discussions in the **Upper Level Lobby of the Convention Center.**

Roundtable Topic	Moderator
Sunday, February 17, 2019 ▪ 9:30 a.m. – 10:30 a.m.	
Contract Negotiations 101	Norma M. Smalls-Mantey
One Size Fits All: Uniform Training and Credentialing in Critical Care	Oveys Mansuri
Time Management Skills, Tips, and Tricks	Jennifer L. LeTourneau
DNP Versus PhD Smackdown: Which Is Best for Me?	Reba A. Umberger
Reverse Classroom Teaching Strategies	Gregory H. Botz
Investing Your Career on Innovation in Medical Education: Lessons Learned From Past Experience	Avinash B. Kumar
Breaking the Glass Ceiling: How to Encourage A Diverse Leadership	Susan R. Wilcox
Humanizando Proyecto: Los Cuidados Intensivos (Session in Spanish: Humanizing Critical Care)	Maria Martin
Sunday, February 17, 2019 ▪ 12:45 p.m. – 1:45 p.m.	
Contract Negotiations	Sergio L. Zanotti-Cavazoni
Dealing with Difficult Family Members	Christine C. Toevs
Postgraduate Training Programs for APPs in Critical Care	Michael A. Pisa
Graceful Self-Promotion	Lori A. Shutter
Mentorship Is a Two-Way Street: Expectations and Responsibilities	Jason E. Moore
Credentialing Airway Management: Anesthesia Versus Critical Care	Edward A. Bittner
How to Fall in Love With Your EMR	Piyush Mathur
Understanding and Navigating the Realities of Drug Shortages in the ICU	Jeremiah J. Duby
Sunday, February 17, 2019 ▪ 2:45 p.m. – 3:45 p.m.	
How to Improve Quality Without Compromising Patient Care	Riza V. Mauricio
Traveling the World to Improve the Care of Others: Medical Missions	Louisdon Pierre
Non-Critical Care Medicine Leadership Opportunities in Healthcare Administration	Jennifer L. LeTourneau
How to Run an FCCS Course	Keith Killu
The Best Advice I Wish I Had Gotten When Starting an Academic Career	Avinash B. Kumar
Compensation Strategies	Christopher Anderson
Building the Advanced Practice Workforce of the Future	Corinna Sicoutris
Getting a Job in Academia	Paul A. Nyquist
Difficult End-of-Life Discussions	Silvia E. Perez-Protto

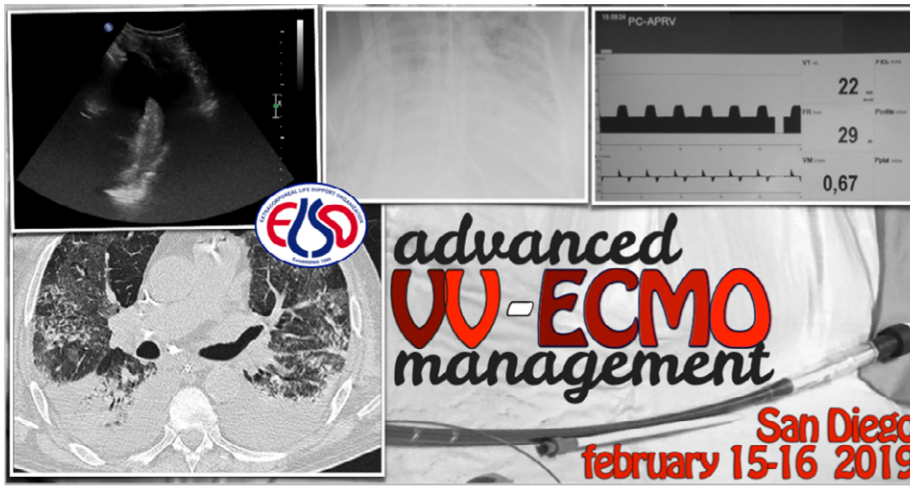
ROUNDTABLE DISCUSSIONS

Roundtable Topic	Moderator
Monday, February 18, 2019 ▪ 8:45 a.m. – 9:45 a.m. *(This specific time block is targeted towards students, residents, and fellows.)*	
Multidisciplinary Care in the ICU	Matthew A. Wanat
Training in Cardiovascular Critical Care	Saraschandra Vallabhajosyula
Distractions During Rounds and How to Overcome Them	Gozde Demiralp
Dealing with Difficult Personalities in the Workplace	Hee Soo Jung
Leveraging Mentorship: Seeking Opportunities for Growth	Heather Meissen
Research as an Integral Part of Critical Care Fellowship: Why, When, Where, and How?	Ashish K. Khanna
My Ultrasound Probe and Me: How to Deal With Testing and Certification	Jose L. Diaz-Gomez
The Big Data Storm: What Does It Mean to Us?	Piyush Mathur
Opening the Door to Neurocritical Care for the Trainee	Lori A. Shutter
Monday, February 18, 2019 ▪ 12:15 p.m. – 1:15 p.m.	
Wage Gap in Medicine	Jennifer Elia
Best Practices for Being Promoted	Niels D. Martin
Which Type of DNP Is for You?	Brian K. Jefferson
Managing Bad Actors in the ICU: Handling Disruptive Behavior	Philippe R. Bauer
Women in Critical Care	Marie R. Baldisseri
Is a Nursing PhD the Right Road for You?	Donna L. Armaignac
Selection Criteria for Your First Position	Talia K. Ben-Jacob
Pediatric Faculty Are Not Just Little Adult Faculty	Varsha P. Gharpure
Monday, February 18, 2019 ▪ 2:15 p.m. – 3:15 p.m.	
Nurse-to-Patient Staffing Ratios in the ICU: More Than Just Numbers	Elizabeth A. Scruth
Burnout Prevention	Krzysztof Laudanski
Avenue to Critical Care: Neurocritical Care	Barry M. Czeisler
Avenue to Critical Care: Surgery Critical Care	Niels D. Martin
Research in the Developing World: Making It Happen!	Lama Nazer
Leadership Development	Lori A. Shutter
You Should Not Sleep at Night: 24-Hour ICU Coverage	Praveen Chahar
Avenue to Critical Care: Anesthesiology Critical Care	Tracy J. McGrane

Continued on page 10

ROUNDTABLE DISCUSSIONS

Roundtable Topic	Moderator
Tuesday, February 19, 2019 ▪ 8:45 a.m. – 9:45 a.m.	
Mid-Career Change: Should I Stay or Should I Go?	Brittany D. Bissell
Dealing with Difficult Family Members	Barbara A. Birriel
Race and Ethnicity in Critical Care Research	William Rodriguez-Cintron
Getting Involved with Healthcare Legislation at the State Level	Sean A. Nix
Billing with APPs	David L. Carpenter
Sepsis (Session in Spanish: Sepsis)	Jorge L. Hidalgo
Women in Critical Care	Roshni Sreedharan
Moral Distress	Elizabeth G. Epstein
How to Get a Job in Academia	Hee Soo Jung
Tuesday, February 19, 2019 ▪ 12:15 p.m. – 1:15 p.m.	
Choosing Between a Clinical and a Research Career	John V. Agapian
Public Speaking and Presentation Skills	Ashish K. Khanna
Volunteering at SCCM	Jose L. Pascual
Mistakes I Have Made: Helping Newcomers in the Complex Business of Critical Care Employment	Talia K. Ben-Jacob
How to Run an FCCS Course	Keith Killu
Donación de Organos (Session in Spanish: Organ Donation)	Martha S. Perez Cornejo
Meet the Nursing Professor: What Does an Academic Path Look Like?	Sheila A. Alexander
Wellness and Resiliency During Residency and Fellowship Training	Curtis N. Sessler
Perfecting the Art of Multidisciplinary Care in the ICU: Integration of the Non-Physician Provider	Melanie G. Hardin-Pierce
Tuesday, February 19, 2019 ▪ 2:15 p.m. – 3:15 p.m.	
Teaching Rounds at Community Practice	Heather Meissen
Building a Diverse Team: Recruitment and Retention	Gloria M. Rodriguez-Vega
Where Have All the CNS Programs and Roles Gone?	Kathleen M. Vollman
Who Wants to Be a Nursing Dean?	Mary L. Sole
What Are the Plans for Faculty and Nursing Staff Shortages?	Mary E. Lough
Brain Death in 2019	Mary F. Marshall
Big Data: Big Trouble	Piyush Mathur
Mentorship for Minorities	William C. Chiu



Extracorporeal Life Support Organization (ELSO), in partnership with the Society of Critical Care Medicine (SCCM) announce the Advanced VV ECMO Workshop for respiratory failure, an intense two-day challenging simulation course covering all elements of managing severe respiratory failure on VV ECMO. Led by expert faculty, topics covered include:

- Mechanical Ventilation on VV ECMO
- Troubleshooting the ECMO circuit
- Anticoagulation management
- Awake ambulatory ECMO
- ECMO as a bridge to transplant
- The growing role of $ECCO_2R$

more info...
elso.org
sccm.org

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Wyndham San Diego Bayside Hotel
February 15-16, 2019

advanced respiratory failure

$1,900/Physician
$1,450/Fellow, Resident, HCP
ELSO or SCCM member discount: $200 for physicians, $100 for Fellow, Resident, HCP

Attending the SCCM meeting & ECMO course? register here:
https://www.sccm.org/Education-Center/Annual-Congress/Program
interested in the ECMO course only? register here
http://store.sccm.org/detail.aspx?id=ECMO_19
hotel booking https://book.passkey.com/go/ELSO2019

For any questions. SCCM Customer Service at +1 847 827-6888

Neurocritical Care Society

ENLS

EMERGENCY NEUROLOGICAL LIFE SUPPORT

Society of Critical Care Medicine

The Intensive Care Professionals

SCCM POST-CONGRESS COURSE OFFERED BY NCS

Emergency Neurological Life Support (ENLS)

What to do in the **Critical First Hours** of a Neurological Emergency

Thursday, February 21st, 2019

8:00am – 4:30pm | Manchester Grand Hyatt, San Diego, CA

PROGRAM OVERVIEW

Emergency Neurological Life Support (ENLS) is designed to help healthcare professionals improve patient care and outcomes during the most crucial time - the critical first hours of the patient's neurological emergency. ENLS covers a collaborative, multi- disciplinary approach that outlines a consistent set of protocols, practical checklists, decision points, and suggested communication to use during patient management. Completion of this course and online assessment provides 15 hours of Level 1 CME, ANCC, ACPE and CAPCE credit, and two-year ENLS certification.

INTENDED AUDIENCE

Physicians, nurses, pharmacists, emergency medicine professionals, and health professionals working in the field of neurocritical care

ENLS OFFERS:

- Protocols that list important steps in managing a patient with a neurological emergency
- Treatment algorithms that can be administered across a spectrum of care environments
- Structured format for concise communication among members of the healthcare team
- Information on current advancements in treatment

TOPICS:

Acute Non-Traumatic Weakness
Acute Ischemic Stroke
Airway, Ventilation and Sedation
Approach to the Comatose Patient
Intracerebral Hemorrhage
Intracranial Hypertension and Herniation
Meningitis and Encephalitis Pharmacotherapy
Resuscitation Following Cardiac Arrest
Spinal Cord Compression
Status Epilepticus
Subarachnoid Hemorrhage
Traumatic Brain Injury
Traumatic Spine Injury

SIGN UP TODAY!

https://enls.neurocriticalcare.org/classroom/classroom-enls-sccm

"This program is held in conjunction with the Society of Critical Care Medicine's Critical Care Congress. The Society has reviewed the program to ensure its appropriateness for the critical care provider. However, the program is developed and managed by Neurocritical Care Society, an independent nonprofit organization, which is solely responsible for its content and management."

Focusing on the Critical Patient

Visit us at booth #811

Come see GE Healthcare's latest critical care offerings in booth #811, including the new Venue. Venue's Shock Toolkit includes automated tools that enable you to get the information you need to make fast decisions. The technology may be advanced, but the mission is the same: **Simple, fast and precise in the critical moment.**

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Critical Care Congress

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- Check in to the sessions you attended to expedite claiming continuing education credit.
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Search **"SCCM Events"** in Google Play or the iTunes Store or download the SCCM Events App at **sccm.org/CongressApp.** Look for the orange SCCM Events icon.

Your login information to access the Congress meeting app is the email address you used to register. The event code is **SCCM19.**

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The Intensive Care Professionals

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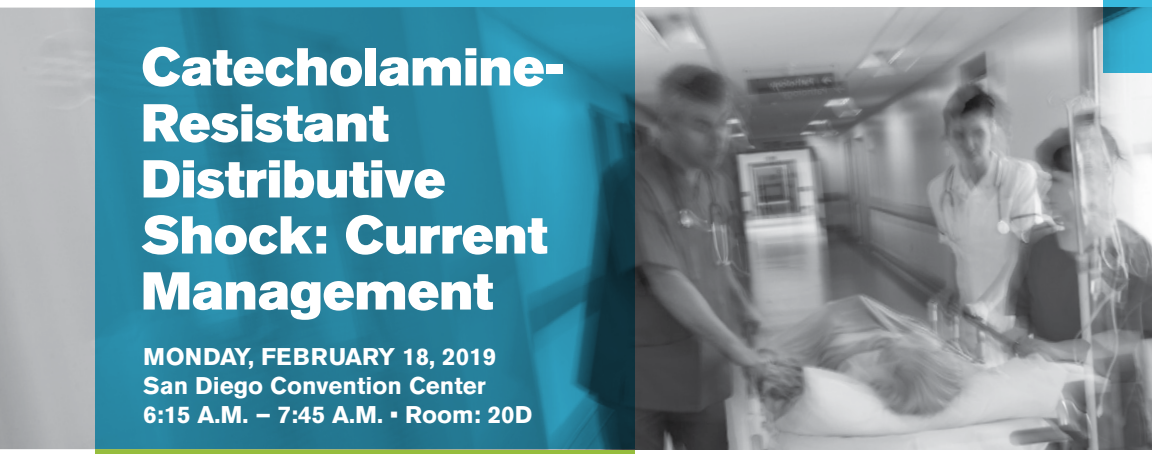
Attend this CME/CE educational symposium held during the Society of Critical Care Medicine's 48th Critical Care Congress. Space is limited. Seating is on a first-come, first-served basis.

Supported by an educational grant from La Jolla Pharmaceutical Company

Catecholamine-Resistant Distributive Shock: Current Management



MONDAY, FEBRUARY 18, 2019
San Diego Convention Center
6:15 A.M. – 7:45 A.M. • Room: 20D

Complimentary Continental Breakfast
5:45 A.M. – 6:15 A.M.

Distributive shock is associated with high mortality in critically ill patients, especially when there is no response to fluids and catecholamines (refractory shock). Early identification and prompt restoration of organ perfusion and increased blood pressure is crucial in these refractory cases. A newly approved agent, such as angiotensin II, that treats refractory distributive shock, while potentially sparing some of the adverse effects of high-dose catecholamines, may improve outcomes of this challenging condition. Clinicians who are involved in the care of critically ill patients need education on how to incorporate new treatment options in their practices in order to optimize therapy and improve patient outcomes.

Society of Critical Care Medicine
The Intensive Care Professionals

Program

Pathophysiology of Catecholamine-Resistant Distributive Shock
Steven M. Hollenberg, MD, FCCM
Professor of Medicine
Cooper Health System
Camden, New Jersey, USA

Epidemiology of Disease: Prevalence and Burden of Disease, Mortality, and Implications for Therapy
Timothy E. Albertson, MD, MPH, PhD, FCCM
Chief, Division of Pulmonary/Critical Care Medicine
University of California Davis Medical Center
Davis, California, USA

Angiotensin II: A Novel Therapeutic Option
Azra Bihorac, MD, MS, FCCM, FASN
Professor of Medicine
University of Florida School of Medicine
Gainesville, Florida, USA

Case Study
Addison K. May, MD, FCCM
Professor of Surgery and Anesthesiology
Vanderbilt University Medical Center
Nashville, Tennessee, USA

Target Audience

This continuing medical education offering is intended to meet the needs of all physicians, nurses, pharmacists, and other providers who care for critically ill patients.

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GENERAL INFORMATION

Access/Special Assistance

Efforts have been made to ensure that every Congress session and event is accessible to those with disabilities. If you have any special needs or requirements for participation in a Congress activity, please notify an SCCM staff member at the Special Assistance Booth, located outside Hall G. An electric scooter is also available for use within the convention center at no charge and may be reserved at the Special Assistance Booth.

Badges

Congress badges are required for entrance to all Congress functions and events, including specific sessions and the Exhibit Hall. To enter a ticketed session or event, you must present your badge. Lost badges may be replaced at the SCCM registration desk, located outside Hall G. A nominal fee may be charged for replacement badges. SCCM Council members and leaders, Congress Program Planning Committee members, and Congress faculty and moderators are easily identified by the ribbons affixed to their badges.

Business Center

The FedEx Office is located across from Hall D and will be open during all Congress activities. Services include photocopying, faxing, and shipping. Major credit cards are accepted for services and purchases. For your convenience, you can email files directly to usa1324@fedex.com and your order will be ready when you arrive.

Childcare

Sitterwise is a childcare agency that can be used by guests staying with SCCM's Congress hotel partners. Please note that SCCM does not endorse or screen any childcare providers. Parents and guardians should always screen providers before hiring.

Sitterwise (formerly Marion's Childcare)
Contact: Amy Gray, Owner & Strategic Director
+1 619 303-4379, +1 888 891-5029
amy@sitterwise.com
https://www.sitterwise.com/

Coat and Luggage Check

Coat and luggage check services are available in the Hall G lobby of the convention center during the following hours:

FRIDAY, FEBRUARY 15, 2019.....6:30 a.m. - 5:45 p.m.

SATURDAY, FEBRUARY 16, 2019.....6:45 a.m. - 5:45 p.m.

SUNDAY, FEBRUARY 17, 2019.....6:45 a.m. - 6:15 p.m.

MONDAY, FEBRUARY 18, 2019.....5:30 a.m. - 6:00 p.m.

TUESDAY, FEBRUARY 19, 2019.....5:30 a.m. - 6:00 p.m.

WEDNESDAY, FEBRUARY 20, 2019.....7:30 a.m. - 12:00 p.m.

Fee: $2.00 per item

Coffee/Dining

Concessions will be open in the Exhibit Hall and throughout the convention center during Exhibit Hall hours. Additional options are available within walking distance of the convention center. For a map of local restaurants, please stop by the Information Desk, located at the top of the escalator on the 3rd floor.

GENERAL INFORMATION

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Congress App

The SCCM Events app is now available. Registrants will have access to the Congress event within the SCCM Events app.

Access complete listings of the sessions, business meetings, abstracts, Research Snapshot Theaters, and more. Check into sessions to help expedite your process of claiming continuing education credit and explore new ways to network with other attendees.

SCCM EVENTS

Search "SCCM Events" in Google Play or the iTunes store or download the app at sccm.org/CongressApp.

To access the Congress event, log in with your credentials.
Email: Your registration email address
Event Code: SCCM19

Congress On Demand

Full Congress attendees gain access to Congress On Demand for continued learning after the live event. Congress On Demand contains the audio recordings and slides from hundreds of individual presentations drawn from the concurrent, joint, and plenary educational sessions, as well as symposia. Your subscription to this resource is included in your Congress registration fee. You will receive an email with the access instructions approximately two weeks after Congress has ended. Non-full Congress attendees can purchase Congress On Demand in the SCCM Store.

Continue the Conversation

Continue the conversation after sessions with speakers in designated areas outside of session rooms.

Continuing Education Information

For information on learning objectives, credit hours, eligible professions, and instructions on how to claim your continuing medical education/continuing education and maintenance of certification credit, please visit sccm.org/Congress. Computer stations are available outside Hall F. If you have any questions, please contact SCCM Customer Service by email at support@sccm.org or by phone at +1 847 827-6888.

Critical Connections Cafe

The Critical Connections Cafe, located in Hall GH, presents a whole range of critical care resources in a single, one-stop venue. Check out SCCM products and merchandise, become an SCCM member, have your membership questions answered, update your SCCM profile information, and more.

Emergency Procedures

If you have an emergency at any time during Congress, please contact the San Diego Convention Center Corporation's Security Services Department by dialing ext. 5911 from any of the wall-mounted house phones located throughout the facility or by calling +1 619 525-5911 from a cell phone. Security is staffed seven days a week, 24 hours a day.

Exhibit Hall Hours

The Exhibit Hall, located in Hall GH, will be open during the following hours:

SUNDAY, FEBRUARY 17, 2019 ..... 9:30 a.m. - 3:45 p.m.

MONDAY, FEBRUARY 18, 2019 ..... 8:30 a.m. - 3:30 p.m.

TUESDAY, FEBRUARY 19, 2019 ..... 8:30 a.m. - 1:30 p.m.

Continued on page 18

GENERAL INFORMATION

First Aid

For immediate first aid assistance, medical services are available in Box Office G, located on Level 1 across from Special Assistance.

Information Desk

Stop by the Information Desk for details on local dining, attractions, technical support, and other general information. The Information Desk is located on the 3rd floor at the top of the escalators outside Ballroom 20.

Lost and Found

The lost and found is located at the Information Desk.

Mothers Room

A nursing mothers' lounge is in the restroom near Hall E, next to Starbucks. There is a sign to guide you. Another nursing room is located on the 3rd floor across from Ballroom 20. The rooms are equipped with comfortable furniture and power outlets.

Overflow Room

Additional seating for full sessions can be found in Exhibit Hall D.

Recording and Photography

Some information presented during educational sessions is unpublished. Please refrain from photographing slides of presenting authors who display the "No Social Media" icon on their materials. Be respectful and do not share information of presenting authors who verbally opt out of social media or who display the "No Social Media" icon on their materials. The icon looks like this:

No personal photography or recording is allowed in the Exhibit Hall at any time.

Registration

Registration is located in the Hall F and G lobbies of the convention center and will be open during the following hours:

THURSDAY, FEBRUARY 14, 2019 ..... 4:00 p.m. - 7:00 p.m.

FRIDAY, FEBRUARY 15, 2019 ..... 6:45 a.m. - 5:30 p.m.

SATURDAY, FEBRUARY 16, 2019 ..... 7:00 a.m. - 5:30 p.m.

SUNDAY, FEBRUARY 17, 2019 ..... 7:00 a.m. - 5:30 p.m.

MONDAY, FEBRUARY 18, 2019 ..... 5:45 a.m. - 5:45 p.m.

TUESDAY, FEBRUARY 19, 2019 ..... 5:45 a.m. - 5:45 p.m.

WEDNESDAY, FEBRUARY 20, 2019 ..... 7:45 a.m. - 11 :45 a.m.

Self-serve registration kiosks are also available each day, Thursday through Monday, in the lobbies of the Hilton San Diego Bayfront and Omni San Diego Hotel.

GENERAL INFORMATION

SCCM Bookstore

The SCCM bookstore is located across from Ballroom 20 on the 3rd floor of the convention center. Limited items are also available for sale in the Critical Connections Cafe located in Hall GH.

SCCM Committee Meetings

All SCCM members interested in attending SCCM committee meetings during Congress are welcome to attend. However, because committees have previously developed agendas for discussion, non-committee members are respectfully asked to refrain from participation until such time as the committee chairperson invites open comments from non-committee members. On rare occasions some committees require privacy to complete their tasks. In these cases, non-committee members will be excused from the meeting, at the discretion of the committee chairperson. To apply to be formally appointed to an SCCM committee, visit sccm.org/Member-Center/Volunteers.

Session Protocol

To ensure a pleasant meeting environment for all Congress participants, meeting room temperatures are maintained to provide optimal comfort. A light jacket or sweater is recommended. Please note that all guests, including children, must be registered for Congress. Only registered Congress attendees and guests are allowed entrance to Congress sessions and the Exhibit Hall. Children 16 years and younger must be accompanied by an adult at all times.

Speaker Ready Room

At least one hour before their sessions, faculty must submit their presentations in Room 22, which is open during the following hours:

THURSDAY, FEBRUARY 14, 2019 ..... 4:00 p.m. - 7:00 p.m.

FRIDAY, FEBRUARY 15, 2019 ..... 6:45 a.m. - 5:30 p.m.

SATURDAY, FEBRUARY 16, 2019 ..... 7:00 a.m. - 5:30 p.m.

SUNDAY, FEBRUARY 17, 2019 ..... 7:00 a.m. - 5:30 p.m.

MONDAY, FEBRUARY 18, 2019 ..... 5:45 a.m. - 5:45 p.m.

TUESDAY, FEBRUARY 19, 2019 ..... 5:45 a.m. - 5:45 p.m.

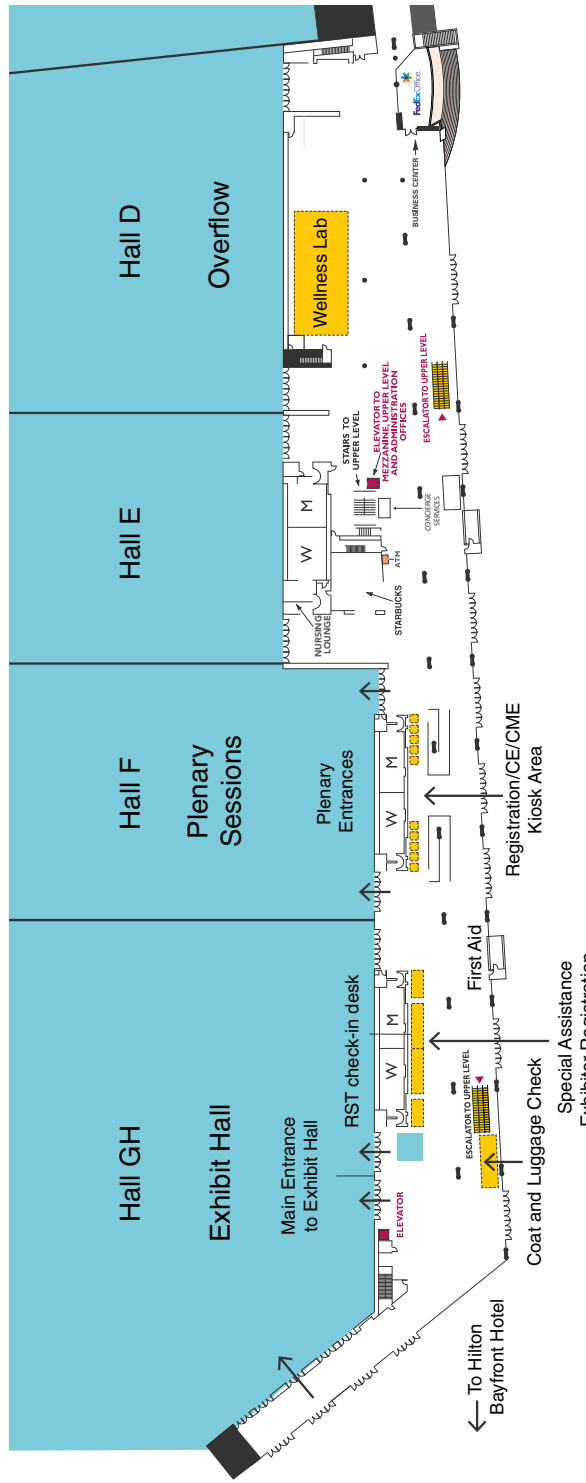
WEDNESDAY, FEBRUARY 20, 2019 ..... 7:45 a.m. - 11 :45 a.m.

Wireless Internet Access

For the convenience of SCCM Congress attendees, complimentary Internet access, sponsored by La Jolla Pharmaceutical Company (Booth #333), is available in the Convention Center. Connect using SSID: CCC48.

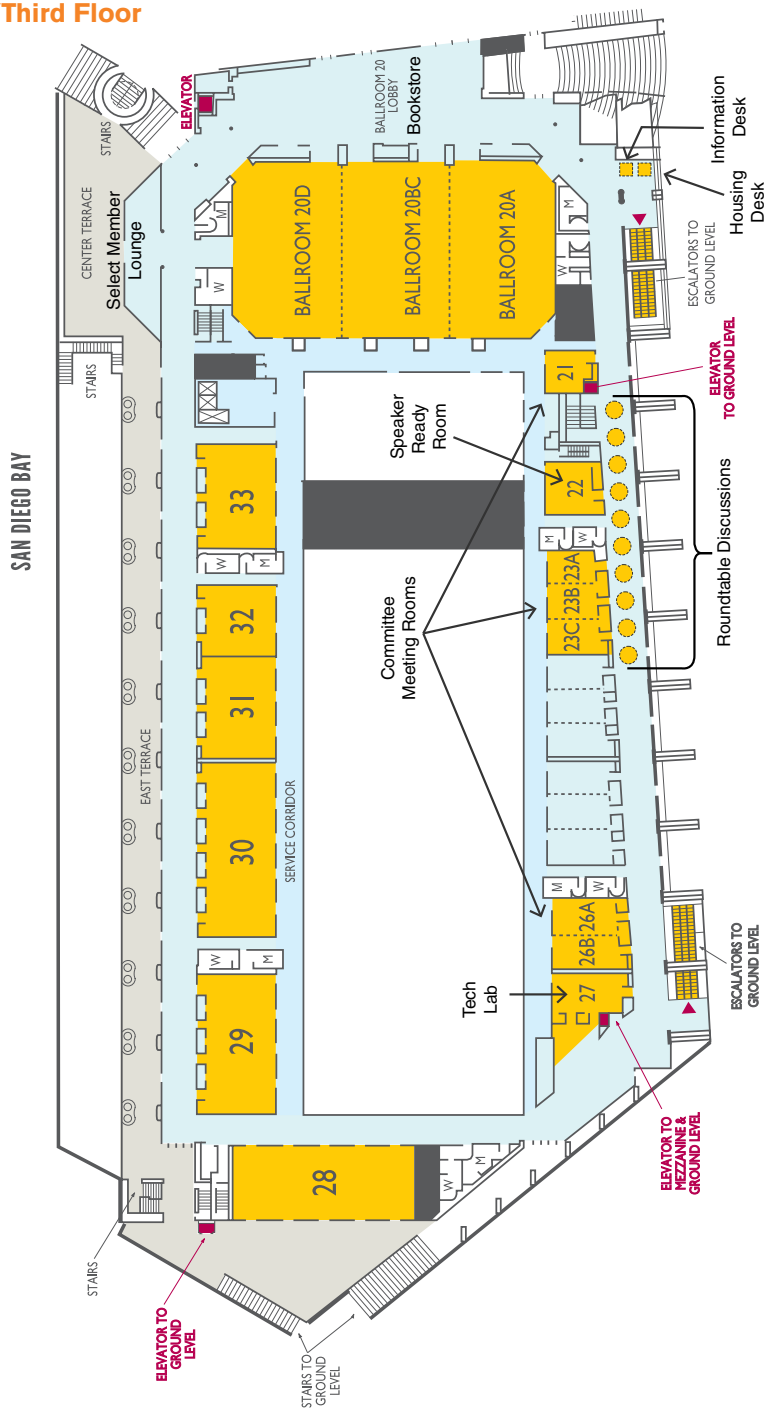
SAN DIEGO CONVENTION CENTER MAP

Ground Level Lobby



SAN DIEGO CONVENTION CENTER MAP

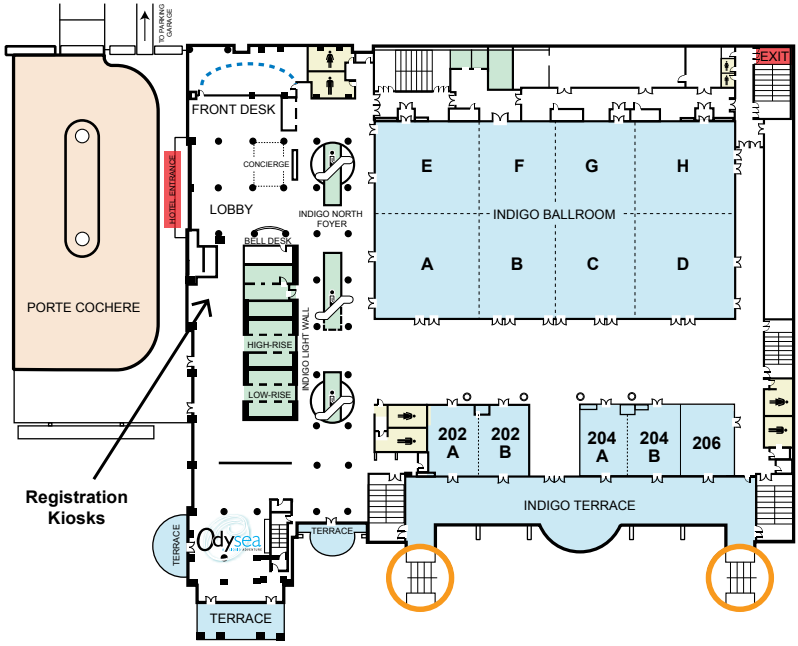
Upper Level/Third Floor



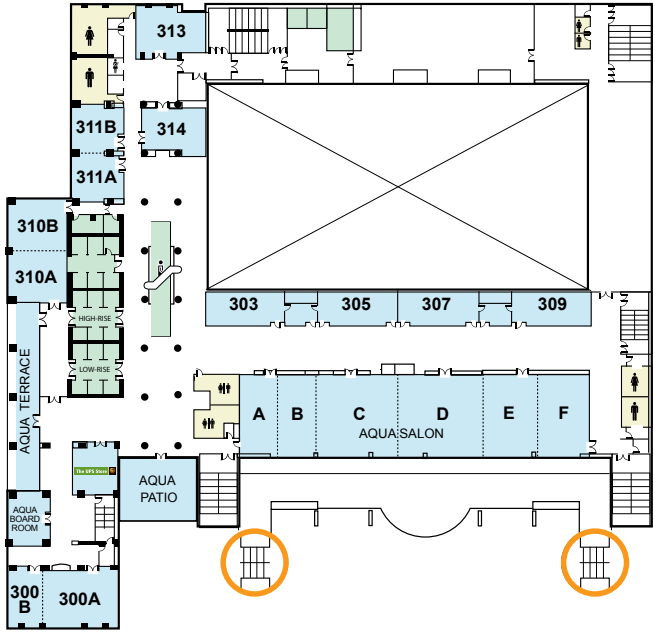
HILTON SAN DIEGO BAYFRONT MAP

= Function Space
= Elevators & Escalators
= Restrooms
= Stairs

Indigo Level/Second Floor



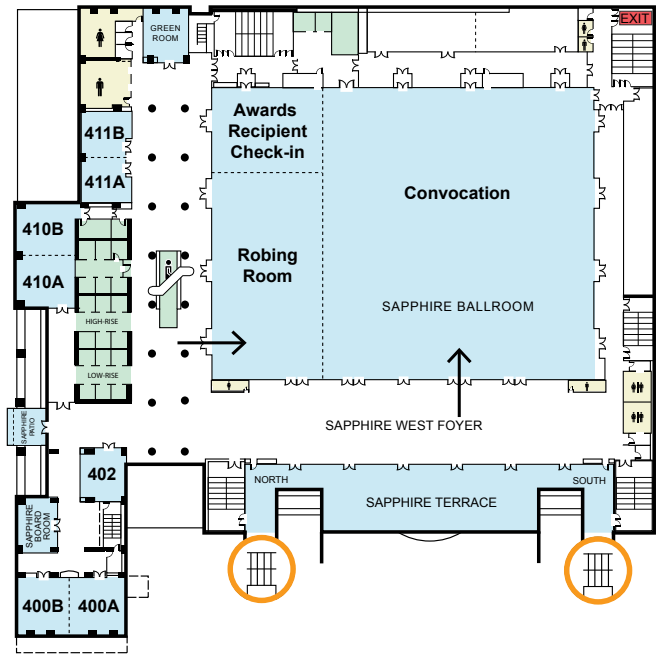
Aqua Level/Third Floor



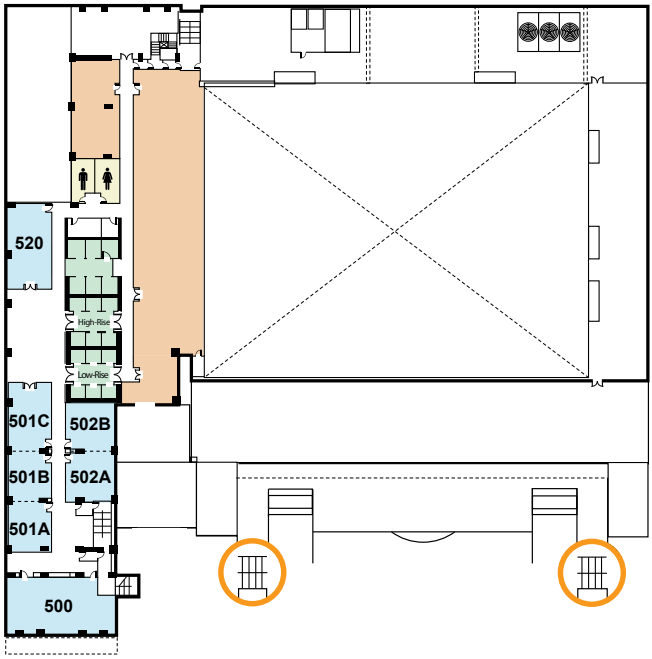
HILTON SAN DIEGO BAYFRONT MAP

= Function Space
= Elevators & Escalators
= Restrooms
= Stairs

Sapphire Level/Fourth Floor



Cobalt Level/Fifth Floor



JOIN A CONGRESS SESSION VIA TWITTER

Join the conversation at a Congress session via Twitter. Select sessions will feature unique hashtags to allow session attendees, as well as those not in attendance, to participate.

Live tweets will be sent throughout each Twitter session. Simply follow the hashtag during the session time to participate. Session titles and details are shown below.

Session Title	Room	Time	Hashtag
Sunday, February 17, 2019			
Pro/Con Debate: Are AKI Biomarkers Ready for Clinical Use?	28	10:30 AM - 11:30 AM	#CritCareControversies
Guidelines for Pediatric Sepsis Beyond Clinical Care: Government Mandates and Adherence	29	10:30 AM - 12:30 PM	#PedsICU
ACCM Adult Guidelines for the Prevention and Management of Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption (PADIS)	31	11:45 AM - 12:45 PM	#ICULiberation
Pro/Con Debate: Who Should Be in Charge of Multidisciplinary Critical Care Training?	28	11:45 AM - 12:45 PM	#CritCareControversies
Monday, February 18, 2019			
Mitigation of Burnout in the ICU: Separating Myth From Reality	31	9:45 AM - 10:45 AM	#StopICUBurnout
Hot Controversies in Sepsis: Surfing the Wave of Change	Hall F	9:45 AM - 11:45 AM	#Sepsis19
Pediatric Surgical Critical Care: Same Patients, Different Perspectives	29	9:45 AM - 10:45 AM	#PedsICU
Pro/Con Debate: Procedures in the ICU: APP Versus GME	28	9:45 AM - 10:45 AM	#CritCareControversies
THRIVE: Bringing Meaning and Life Back to Survivors of Critical Illness	33	9:45 AM - 10:45 AM	#THRIVEICU
Mending Little Hearts	29	11:00 AM - 12:00 PM	#PedsICU
Pro/Con Debate: Is ECMO First-Line Therapy in ARDS?	28	11:00 AM - 12:00 PM	#CritCareControversies
Pediatric Sedation: Less Is More	29	3:15 PM - 4:15 PM	#PedsICU
Pro/Con Debate: Steroids in the ICU: To Give or Not to Give	28	3:15 PM - 4:15 PM	#CritCareControversies
ESICM/SCCM Joint Session: Sepsis Research: Gaps, Priorities, and Goals; What Does the Future Hold?	31	3:15 PM - 5:15 PM	#Sepsis19
Controversies in Pediatric ARDS	29	4:30 PM - 5:30 PM	#PedsICU
Pro/Con Debate: To REBOA or Not to REBOA	28	4:30 PM - 5:30 PM	#CritCareControversies

JOIN A CONGRESS SESSION VIA TWITTER

Session Title	Room	Time	Hashtag
Tuesday, February 19, 2019			
Pro/Con Debate: Mandating Sepsis Treatment	28	9:45 AM - 10:45 AM	#Sepsis19
Controversies in the Management of the Pediatric ECMO Patient	29	11:00 AM - 12:00 PM	#PedsICU
Precision Immunomodulation for the Treatment of Severe Sepsis	Hall F	11:00 AM - 12:00 PM	#Sepsis19
Pro/Con Debate: Do Vitamin C and Thiamine Make a Difference?	28	11:00 AM - 12:00 PM	#CritCareControversies
Pro/Con Debate: Think Outside the ET Tube: Using Noninvasive Ventilation and High-Flow Nasal Cannulas	28	3:15 PM - 4:15 PM	#CritCareControversies
International Critical Care Trials Groups: What New Evidence Will Be Coming Down the Road?	31	3:15 PM - 4:15 PM	#SCCMDiscovery
Year in Review: Pediatrics	29	3:15 PM - 4:15 PM	#PedsICU
Anticoagulation in the Pediatric ICU: When Do We Need It?	29	4:30 PM - 5:30 PM	#PedsICU
Wednesday, February 20, 2019			
Outcomes and Opportunities in the Pediatric ICU	29	9:30 AM - 10:30 AM	#PedsICU
Pro/Con Debate: Advances in Management of Chest Wall Trauma	33	9:30 AM - 10:30 AM	#CritCareControversies
Pro/Con Debate: Too Much of a Good Thing: Early Antibiotic Therapy in Sepsis	28	9:30 AM - 10:30 AM	#Sepsis19
Will These Controversies in Sepsis Ever End? Which Vasopressor Do I Use?	Hall F	10:45 AM - 11:45 AM	#Sepsis19
Pro/Con Debate: Mechanical Ventilation in the Hot Seat	28	10:45 AM - 11:45 AM	#CritCareControversies

WELLNESS LAB

The Wellness Lab will give clinicians an opportunity to focus on their own well-being, which is essential for safe and high-quality patient care, as well as reducing stress and burnout. A wellness expert will be on site to lead a variety of sessions on topics including health and wellness habits, relaxation techniques, keys to healthy living, wellness technologies, and meditation techniques. Roundtable discussions will feature members discussing stress and burnout reduction success stories. Experiential approaches to stress reduction will be introduced and demonstrated.

The Wellness Lab will also offer on-site relaxation with massage chairs, foot massages, and more.

The Wellness Lab will be located in **Exhibit Hall D Lobby.** **Please check the SCCM Congress App for the most updated schedule.**

Times	Topic
Sunday, February 17, 2019	
9:30 a.m. – 10:30 a.m.	**Roundtable Discussion:** Success Stories: Best Practices on How to Prevent Burnout and Promote Wellness/THRIVE at Vanderbilt School of Medicine - Carla M. Sevin
10:45 a.m. – 11:00 a.m.	Top 5 Health and Wellness Habits That Busy Professionals Should Create NOW
11:00 a.m. – 12:30 p.m.	Therapy Dogs in Healthcare Settings
11:15 a.m. – 11:30 a.m.	Relaxation Techniques: Simple Steps to Unwind
11:45 a.m. – 12:00 p.m.	Wellness Technologies for Your Body, Home, and Office
12:15 p.m. – 12:30 p.m.	Keys to Health: Key One – Sleep
12:45 p.m. – 1:45 p.m.	**Roundtable Discussion:** Success Stories: Best Practices on How to Prevent Burnout and Promote Wellness/THRIVE at Mayo Clinic - Annie Johnson
1:00 p.m. – 1:45 p.m.	Stress Reduction and Meditation App Demos (Walk-In)
2:45 p.m. – 3:45 p.m.	How to Implement an ICU Musician in an Institutional Setting Gloria M. Rodriguez-Vega ICU Musician Andrew M. Schulman
4:00 p.m. – 4:15 p.m.	Meditation Session
5:00 p.m. - 5:20 p.m.	Destress Before Dinner! Gentle Yoga Stretches
Monday, February 18, 2019	
8:45 a.m. – 9:45 a.m.	**Roundtable Discussion:** Success Stories: Best Practices on How to Prevent Burnout and Promote Wellness at Virginia Commonwealth University - Curtis N. Sessler
10:00 a.m. – 10:15 am	Top 5 Health and Wellness Habits That Busy Professionals Should Create NOW
10:30 a.m. – 10:45 a.m.	Relaxation Techniques: Simple Steps to Unwind
11:00 a.m. – 11:15 a.m.	Keys to Health: Key Two – Hydration

WELLNESS LAB

Times	Topic
Monday, February 18, 2019, Continued	
11:00 a.m. – 12:30 p.m.	Therapy Dogs in Healthcare Settings
11:30 a.m. – 11:45 a.m.	Top Ways to Evaluate Your Posture and Ensure Great Health
12:00 p.m. – 1:00 p.m.	Stress Reduction and Meditation App Demos (Walk-In)
12:15 p.m. – 1:15 p.m.	**Roundtable Discussion:** Success Stories: Best Practices on How to Prevent Burnout and Promote Wellness/THRIVE at Mayo Clinic - Annie Johnson
2:15 p.m. – 3:15 p.m.	**Roundtable Discussion:** Success Stories: Best Practices on How to Prevent Burnout and Promote Wellness
2:30 p.m. – 3:15 p.m.	Stress Reduction and Meditation App Demos (Walk-In)
3:15 p.m. – 3:45 p.m.	ICU Musician - Andrew M. Schulman/Meditation Session
5:30 p.m. - 5:50 p.m.	Destress Before Dinner! Gentle Yoga Stretches
Tuesday, February 19, 2019	
8:45 a.m. – 9:45 a.m.	**Roundtable Discussion:** Success Stories: Best Practices on How to Prevent Burnout and Promote Wellness
10:00 a.m. – 10:15 a.m.	Top Ways to Evaluate Your Posture and Ensure Great Health
10:30 a.m. – 10:45 a.m.	Wellness Technologies for Your Body, Home, and Office
11:00 a.m. – 11:15 a.m.	Keys to Health: Key Three – Nutrition
11:00 a.m. – 12:30 p.m.	Therapy Dogs in Healthcare Settings
12:00 p.m. – 1:00 p.m.	Stress Reduction and Meditation App Demo (Walk-In)
12:15 p.m. – 1:15 p.m.	**Roundtable Discussion:** Success Stories: Best Practices on How to Prevent Burnout and Promote Wellness at Ohio State University - Ravi Tripathi
1:30 p.m. – 1:45 p.m.	Meditation Session
2:30 p.m. – 3:15 p.m.	Stress Reduction and Meditation App Demo (Walk-In)
2:30 p.m. – 3:30 p.m.	Book Signing: Rana L. Awdish, 2019 SCCM Congress Ake Grenvik Honorary Lecturer and author of *In Shock: My Journey From Death to Recovery and the Redemptive Power of Hope*
3:30 p.m. – 3:45 p.m.	ICU Musician - Andrew M. Schulman
5:30p.m. – 5:50 p.m.	Destress Before Dinner! Gentle Yoga Stretches

CRITICAL CROSSTALK THEATER

Society of Critical Care Medicine
The Intensive Care Professionals

Participate in stimulating discussions on critical care with SCCM faculty members in Exhibit Hall GH.

Crosstalk Sessions	Times	Title	Moderator	Faculty
Sunday, February 17, 2019				
ICU Heroes	10:30 a.m. – 11:30 a.m.	Practical Lessons in Recovery From Critical Illness	Ashish K. Khanna	Marie T. Pavini
Emergency Medicine Section	12:45 p.m. – 1:45 p.m.	Ethics of Bionic Cardiac Support: Decision-Making in ECLS	Saraschandra Vallabhajosyula	Torben K. Becker and Jon L. Marinaro
Neuroscience Section	2:45 p.m. – 3:45 p.m.	Does Neuromonitoring Matter? The Examination Is Enough Versus Brain Physiology Via Monitoring	Dennis Yong Kim	Agnieszka Ardelt and Emily Gilmore
Monday, February 18, 2019				
In-Training Section	8:45 a.m. – 9:45 a.m.	Computer on Wheels: Are We Milking Our Way out of Patient Interaction?	Siddharth Dugar	Daniel R. Brown and Neal Chaisson
Nursing Section	9:45 a.m. – 10:45 a.m.	New Insights, New Outlooks, and New Approaches to Palliative Care	Roshni Sreedharan	Sara B. Edwards
Surgery Section	11:00 a.m. – 12:00 p.m.	Hemodynamic Monitoring Tools in the ICU Should be Noninvasive	Dennis Yong Kim	Niels D. Martin and Salman Ahmad
Meet the Editors	12:15 p.m. – 1:15 p.m.	*Critical Care Explorations,* SCCM's New Open-Access Journal	Somnath Bose	Timothy G. Buchman and Patrick M. Kochanek
Anesthesiology Section	2:15 p.m. – 3:15 p.m.	Of Tweets and Hashtags: The Likes, Dislikes, and Retweets of Critical Care Social Media	Roshni Sreedharan	Ashish K. Khanna and Daniel R. Brown
Tuesday, February 19, 2019				
Critical Care Quiz Show	8:45 a.m.- 9:45 a.m.	Critical Care Quiz Show	Ashish K. Khanna and Salman Ahmad	Teams
Clinical Pharmacy and Pharmacology Section	9:45 a.m. – 10:45 a.m.	Drug Shortages: Playing to Our Advantage	Saraschandra Vallabhajosyula	Andrew C. Fritschle and Ryan Hakimi
Research Section	11:00 a.m. – 12:00 p.m.	Mentorship Pearls	Ashish K. Khanna	Ahmed E. Badr and Utpal S. Bhalala

WIN THE RACE AGAINST BAD BUGS

Syndromic Testing from BioFire

Every second counts for critically ill patients. Rapid, reliable test results give critical care physicians a head start in the race to make crucial intervention decisions. The BioFire® FilmArray® System utilizes a syndromic approach—simultaneously testing for several different pathogens that can cause similar symptoms—to deliver actionable results in about an hour.

Fast: Rapid turnaround time—about an hour—allows efficient diagnosis and treatment decisions.

Accurate: Superior sensitivity and specificity for results you can trust.

Comprehensive: One test to check for a broad spectrum of pathogens—viruses, bacteria, parasites, fungi, and antimicrobial resistance genes.

BioFire® FilmArray® Panels

- **Respiratory**
  1 Test / 21 Targets / 45 Minutes
- **Blood Culture Identification**
  1 Test / 27 Targets / ~1 Hour
- **Gastrointestinal**
  1 Test / 22 Targets / ~1 Hour
- **Meningitis/Encephalitis**
  1 Test / 14 Targets / ~1 Hour
- **Pneumonia**
  1 Test / 33 Targets / ~1 Hour

Learn more by visiting BioFire booth #607

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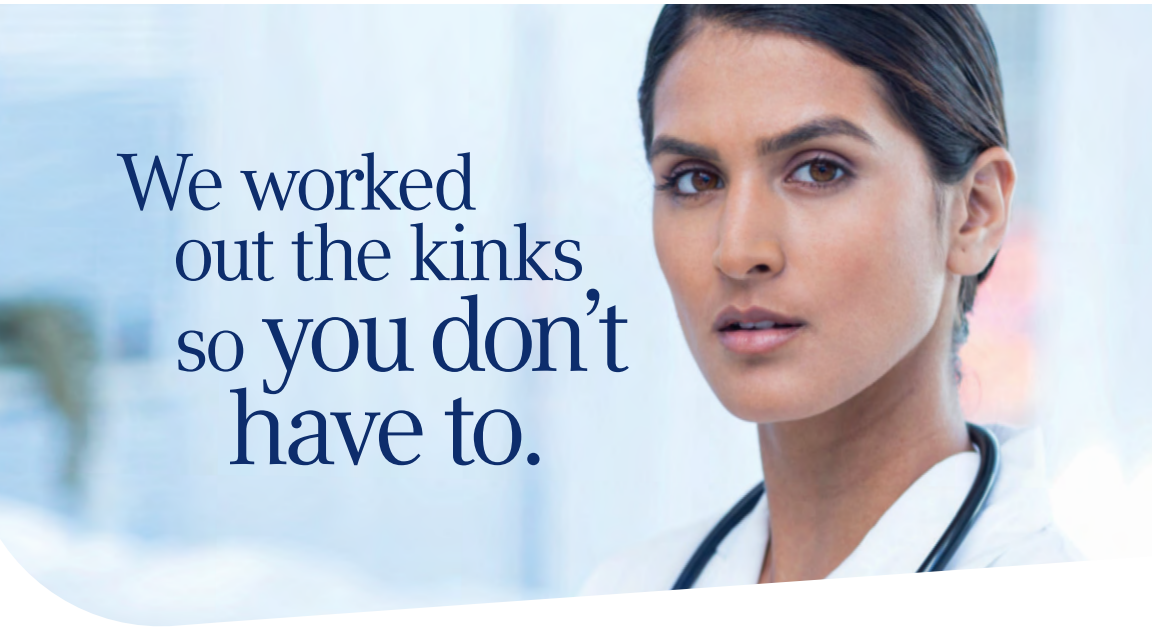
biofiredx.com

ARROW®



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When a PIV is not enough and a PICC is too much.

- **88% first attempt success rate[1]**
- **Designed to reduce blood exposure**
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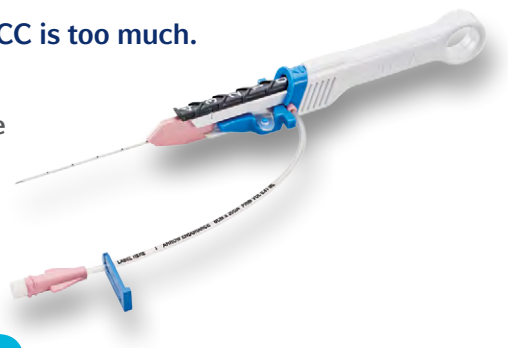

Visit Booth #1105 to learn more.

Reference

1. Teleflex. Unpublished data. Manuscript in progress. May 2017

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FRIDAY, FEBRUARY 15, 2019

7:30 A.M. – 5:30 P.M. • Room: Hilton San Diego Bayfront, Indigo Ballroom, Salon A

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Critical Care Ultrasound: Adult – Day 1 (see page 36 for Day 2)

Moderators: Sara Nikravan, Paul K. Mohabir

- Continental Breakfast
- Welcome and Introductions
  Sara Nikravan, Paul K. Mohabir
- Pretest Review
  Sara Nikravan
- Basic Physics and Knobology
  Christopher Schott
- Fundamental Echocardiography Views
  Nibras Bughrara
- Break
- Skill Stations:
  1. Apical Views
  2. Parasternal Views
  3. Subcostal Views

  Sarah E. Bain, Nibras Bughrara, Michael C. Woo, Vidya K. Rao, Vi Am Dinh, Peter E. Croft, Jose L. Diaz-Gomez, Daniel W. Johnson, Jan Kasal, Sara Nikravan, Michael J. Lanspa, Ng Niu, Paul K. Mohabir, Antonio Hernandez, Jason M. Parente, Enyo Ablordeppey, Lisa Rapoport, Christopher Schott, Daniel A. Sweeney, Carla Venegas-Borsellino, Mark P. Hamlin, Stephanie Cha, Monika Aplyn, John C. Klick, Marcos G. Lopez
- Lunch and Clinical Cases
  Michael C. Woo, Monika Aplyn
- Basic Evaluation of Left Ventricular Function and Cardiac Output
  Daniel W. Johnson
- Basic Evaluation of Right Ventricular Function
  Paul K. Mohabir
- Intravascular Volume Assessment
  Daniel A. Sweeney
- Break
- Skill Stations:
  1. Cardiac Output
  2. Volume Assessment
  3. Left/Right Ventricular Function

  All Faculty
- Clinical Cases and Interactive Questions
  Enyo Ablordeppey, Carla Venegas-Borsellino

8:00 A.M. – 4:00 P.M. ▪ Room: 29

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Current Concepts in Pediatric Critical Care – Day 1 (see page 37 for Day 2)

Moderators: Elizabeth H. Mack, Elizabeth S. Goswami

- Continental Breakfast
- Welcome and Opening Remarks
  Elizabeth H. Mack
- Latest in Management of Pediatric Strokes
  Jennifer C. Erklauer
- Targeted Temperature Management Post-Arrest
  Utpal S. Bhalala
- Break
- Preparing Your Children's Hospital for Disaster
  Joelle N. Simpson
- Tiered Transfusion Strategies
  Oliver Karam
- Panel Discussion
  Jennifer C. Erklauer, Utpal S. Bhalala, Oliver Karam, Joelle N. Simpson
- Lunch
- Drug Dosing Considerations in AKI and RRT
  Elizabeth S. Goswami
- Hot Issues in Pediatric Liver Transplantation
  Satish N. Nadig
- Break
- New Nutrition Guidelines
  Elizabeth Emrath
- Metabolic Emergencies Not to Be Missed
  Jamie Fraser
- Panel Discussion
  Elizabeth S. Goswami, Elizabeth Emrath, Satish N. Nadig, Jamie Fraser
- Closing Remarks
  Elizabeth H. Mack

Program and faculty are subject to change.

8:00 A.M. – 5:00 P.M. • Room: 28

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Current Concepts in Adult Critical Care – Day 1 (see page 41 for Day 2)

Moderators: Ho Geol Ryu, Michael J. Connor

- Continental Breakfast
- Welcome and Opening Remarks
  Ho Geol Ryu, Michael J. Connor
- Drug Withdrawal Syndromes: Managing Our Drugs or Theirs
  Judith Jacobi
- Updates in the Management of Increased Intracranial Pressure
  Jose J. Provencio
- Conversing With the Experts: Panel Discussion
  Judith Jacobi, Jose J. Provencio
- Break
- Sleep in the ICU
  Gerald L. Weinhouse
- Palliative and End-of-Life Care in the ICU
  Rebecca A. Aslakson
- Conversing With the Experts: Panel Discussion
  Gerald L. Weinhouse, Rebecca A. Aslakson
- Lunch
- Do Mandates Improve Sepsis Care and Outcomes? Pro
  Tiffany M. Osborn
- Do Mandates Improve Sepsis Care and Outcomes? Con
  Michael Klompas
- Pro/Con Debate
  Tiffany M. Osborn, David C. Kaufman, Michael Klompas
- Break
- Circulatory Shock and Current Management Concepts
  Ho Geol Ryu
- Cytokine Release Syndrome
  Stephen M. Pastores
- Conversing with the Experts: Panel Discussion
  Ho Geol Ryu, Stephen M. Pastores
- Closing Remarks
  Ho Geol Ryu

8:00 A.M. – 5:00 P.M. • Room: 31

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Disaster Medicine and Toxicologic Emergencies for the Veterinary Critical Care Specialist: Approach to the Critically Ill Toxicology Patient – Day 1 (see page 41 for Day 2)

Moderator: Elizabeth Davidow

Held in partnership with

- Continental Breakfast
- Review of Antidotes in Veterinary Toxicology
  Justine Lee
- Emergency Management and Treatment of Cardiotoxins
  Justine Lee
- Break
- Journal Review: What's New in Toxicology
  Justine Lee
- Lunch
- Hemodialysis and Extracorporeal Treatment in Veterinary Toxicology
  Cedric Dufayet
- Liver Let Die: Hepatotoxins
  Tina Wismer
- Break
- Urine, or You're Out: Renal Toxins
  Tina Wismer
- Tweakers, Tokers, and Other Nervous System Toxicants
  Tina Wismer

8:00 A.M. – 5:00 P.M. ▪ Room: 30

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Fundamental Critical Care Support: Obstetrics – Day 1 (see page 42 for Day 2)

Moderators: Lauren A. Plante, Scott A. Harvey

- Continental Breakfast
- Welcome and Course Introduction
  Marie R. Baldisseri, Lauren A. Plante, Scott A. Harvey
- Pretest
- Physiologic Changes During Pregnancy
  Frederico G. Rocha
- Hemodynamic Monitoring
  Marie R. Baldisseri
- Break
- Preeclampsia/Eclampsia
  Lauren A. Plante
- Skill Station: Management of Severe Preeclampsia and Eclampsia
  Marie R. Baldisseri, Frederico G. Rocha
- Lunch
- Airway Management in the Pregnant Patient
  Frank M. O'Connell
- Mechanical Ventilation
  Scott A. Harvey
- Maternal Mortality and Cardiac Arrest
  Lauren A. Plante
- Break
- Skill Station: Cardiac Arrest in the Pregnant Patient
  Lauren A. Plante, Randy S. Wax
- Skill Station: Urosepsis Complicated by ARDS
  Scott A. Harvey, Frank M. O'Connell
- Day 1 Wrap-Up
  Lauren A. Plante, Scott A. Harvey, Marie R. Baldisseri, Frank M. O'Connell, Mary J. Reed, Frederico G. Rocha, Randy S. Wax

Program and faculty are subject to change.

8:30 A.M. – 7:00 P.M. • Hilton San Diego Bayfront, Indigo Ballroom Salon D

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Critical Care Ultrasound: Pediatric and Neonatal – Day 1 (see page 34 for Day 2)

Moderator: David Kantor

- Continental Breakfast
- Welcome and Overview
  David Kantor
- Knobology, Physics, and Artifacts
  Jason Z. Stoller
- Vascular Access and Guided Procedures
  Sonali Basu
- Break
- Focused Assessment With Sonography in Trauma (FAST)/Abdominal Examination
  Mark D. Weber
- Basic Cardiac Views
  Jesse Wenger
- Lunch and Clinical Cases
  Jeff Burzynski
- Skill Stations:
  1. FAST/Abdominal Examination
  2. Vascular and Guided Procedures
  3. Knobology
  Sonali Basu, Karen Boretsky, Jeff Burzynski, Maria V. Fraga, Christie Glau, Ellie Hirshberg, David Kantor, Jae H. Kim, Jason Z. Stoller, Mark D. Weber, Jesse Wenger, Bereketeab Haileselassie, Adam S. Himebauch
- Break
- Left Ventricular Function
  Ellie Hirshberg
- Thoracic Examination
  Christie Glau
- Ultrasound in Neonates: Procedural
  Maria V. Fraga
- Administration/Program Development
  David Kantor
- Break
- Skill Stations:
  1. Apical Views
  2. Parasternal Views
  3. Subcostal Views
  All Faculty

SATURDAY, FEBRUARY 16, 2019

7:00 A.M. – 5:00 P.M. ▪ Hilton San Diego Bayfront, Indigo Ballroom Salon D

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Critical Care Ultrasound: Pediatric and Neonatal – Day 2 (see page 33 for Day 1)

Moderator: David Kantor

- Continental Breakfast
- Questions and Overview
  David Kantor
- Skill Stations:
  1. Ask the Expert
  2. Lung
  3. Ventricular Function
  Sonali Basu, Karen Boretsky, Jeff Burzynski, Maria V. Fraga, Christie Glau, Ellie Hirshberg, David Kantor, Jae H. Kim, Jason Z. Stoller, Mark D. Weber, Jesse Wenger, Bereketeab Haileselassie, Adam S. Himebauch
- Break
- Right Ventricular Evaluation and Volume Overload
  Ellie Hirshberg
- Volume Responsiveness
  David Kantor
- Approach to Shock and Tamponade
  Jeff Burzynski
- Lunch and Clinical Cases/Expert Panel Discussion
  Karen Boretsky
- Skill Stations:
  1. Putting It Together: Shock
  2. Volume Assessment
  3. Ask the Expert
  All Faculty
- Break
- Ultrasound in Neonates: Diagnostic
  Jae H. Kim
- Putting It Together: Interactive Cases
  Adam S. Himebauch
- Point-of-Care Ultrasound: What's Next?
  Bereketeab Haileselassie
- Ultrasound Clinical Protocols: Cases and Approach to the Perioperative Child
  Karen Boretsky
- Posttest Discussion and Closing Remarks
  David Kantor

Program and faculty are subject to change.

7:30 A.M. – 5:00 P.M. • Room: 32

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

SCCM Critical Care Research Methodology and Career Trajectory Foundation Course

Moderators: Sheila A. Alexander, Sonal R. Pannu

- Continental Breakfast
- Welcome and Introduction
  Sheila A. Alexander, Sonal R. Pannu
- Plenary: What Is the Discovery Research Network and How Can It Help You?
  Jonathan E. Sevransky
- Securing Success for Research: Turning Clinical Questions Into Funded Research
  J. Perren Cobb
- Securing Success for Research: Fundamental Aspects of Grants and Funding Opportunities
  Marilyn Hravnak
- Panel Discussion
  Mary Beth Happ, Theodore J. Iwashyna, Michelle Ng Gong
- Mentorship and Research Collaboration: Finding Mentorship and Enhancing Success Through Mentoring Relationships
  Sonal R. Pannu
- Mentorship and Research Collaboration: How to Develop a National and International Reputation, Role of Research Collaboration Teams, and More
  Michelle Ng Gong
- Panel Discussion
  Sheila A. Alexander, Ishaq Lat, Jonathan E. Sevransky
- Break
- Hands-On Session 1: Here Is a Hypothesis: Let's Develop a Study From Hypothesis to Publication
  Rahul Kashyap, Ishaq Lat, J. Perren Cobb
- Hands-On Session 2: How to Develop a Specific Aims Page
  Mary Beth Happ, Jonathan E. Sevransky
- Lunch
- Hands-On Session 3: Bring the Nonscientific Sections of Your Grant Proposal
  Sonal R. Pannu, Sheila A. Alexander, Theodore J. Iwashyna
- Hands-On Session 4: NIH Mock Review Session
  J. Perren Cobb, Marilyn Hravnak, Michelle Ng Gong
- Break
- Abstracts That Make an Impact and Presentations That Stick
  Theodore J. Iwashyna
- Manuscripts and Publications: The Key to Keeping Them Going
  Mary Beth Happ
- Panel Discussion
  Marilyn Hravnak, Rahul Kashyap, Jonathan E. Sevransky
- This Is My Story: How to Develop a Career as an Innovator
  Michelle Ng Gong, Marilyn Hravnak, Jonathan E. Sevransky
- Summary
  Sheila A. Alexander, Sonal R. Pannu

7:30 A.M. – 5:30 P.M. ▪ Hilton San Diego Bayfront, Indigo Ballroom Salon A

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Critical Care Ultrasound: Adult – Day 2 (see page 29 for Day 1)

Moderators: Sara Nikravan, Paul K. Mohabir

- Continental Breakfast
- Questions and Overview
  Sara Nikravan, Paul Mohabir
- Pulmonary Embolism: Diagnosis and Physiology
  Michael J. Lanspa
- Tamponade: Diagnosis and Physiology
  John C. Klick
- Focused Assessment with Sonography in Trauma (FAST) Examination
  Vi Am Dinh
- Echocardiographic Approach to Shock
  Lisa Rapoport
- Break
- Skill Stations:
  1. FAST Examination
  2. Tamponade Evaluation
  3. Focused Assessed Transthoracic Echocardiography (FATE) Examination
  Sarah E. Bain, Nibras Bughrara, Michael C. Woo, Vidya K. Rao, Vi Am Dinh, Peter E. Croft, Jose L. Diaz-Gomez, Daniel W. Johnson, Jan Kasal, Sara Nikravan, Michael J. Lanspa, Ng Niu, Paul K. Mohabir, Antonio Hernandez, Jason M. Parente, Enyo Ablordeppey, Lisa Rapoport, Christopher Schott, Daniel A. Sweeney, Carla Venegas-Borsellino, Mark P. Hamlin, Stephanie Cha, Monika Aplyn, John C. Klick, Marcos G. Lopez
- Lunch and Clinical Cases
  Stephanie Cha, Marcos G. Lopez
- Vascular Ultrasound
  Sarah E. Bain
- Evaluation of Pneumothorax, Pleural Effusions, and Thoracentesis
  Peter E. Croft
- Break
- Skill Stations:
  1. Lung: Pleural Effusions and Thoracentesis
  2. Vascular Ultrasound
  3. Ask the Expert
  All Faculty
- Clinical Cases and Interactive Questions
  Vidya K. Rao, Mark P. Hamlin
- Questions, Answers, and Moving Forward
  Sara Nikravan, Paul Mohabir

Program and faculty are subject to change.

8:00 A.M. – 12:00 P.M. • Room: 33

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Liver Failure in the ICU

Moderators: Constantine J. Karvellas, Ram M. Subramanian, Jody C. Olson

- Continental Breakfast
- Definitions, Epidemiology, and Prognostication
  Jody C. Olson
- Acute Liver Failure
  Ram M. Subramanian
- Renal Failure in Patients With Cirrhosis
  Constantine J. Karvellas
- Case Studies
  Jody C. Olson, Ram M. Subramanian
- Infectious Disease Complications of Cirrhosis
  Rahul S. Nanchal
- Hepatic Encephalopathy
  Jody C. Olson
- Coagulation Abnormalities in Liver Disease
  Constantine J. Karvellas
- Break
- Case Studies
  Constantine J. Karvellas, Rahul S. Nanchal
- Post-Liver Transplant Management: Nursing Considerations
  Katie Mayer
- Hemodynamic and Pulmonary Complications of Liver Failure
  Ram M. Subramanian
- Perioperative Management of the Liver Transplant Patient
  Rahul S. Nanchal

8:00 A.M. – 4:00 P.M. • Room: 29

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Current Concepts in Pediatric Critical Care – Day 2 (see page 30 for Day 1)

Moderators: Elizabeth H. Mack, Elizabeth S. Goswami

- Continental Breakfast
- Welcome Back
  Elizabeth S. Goswami
- Pharmacologic and Mechanical Support in Pediatric Heart Failure
  Scott I. Aydin
- Newer Oncology Treatment Example: Chimeric Antigen Receptor T Cell Therapy
  James S. Killinger
- Break
- Latest in Pulmonary Hypertension Management
  Jeffrey R. Fineman
- Management of Bleeding on Extracorporeal Therapies
  Tim Humlicek
- Panel Discussion
  Scott I. Aydin, James S. Killinger, Jeffrey R. Fineman, Tim Humlicek
- Lunch
- Toxidromes of Emerging Street Drugs
  Edward E. Conway Jr
- THRIVE/ABCDEF
  Sapna Kudchadkar
- Break
- Emerging Strategies in Healthcare-Associated Infection Prevention
  Elizabeth H. Mack
- Extracorporeal Therapies at End of Life
  George Ofori-Amanfo
- Panel Discussion
  Edward Conway, Sapna Kudchadkar, Elizabeth H. Mack, George Ofori-Amanfo
- Closing Remarks
  Elizabeth H. Mack

8:00 A.M. – 5:00 P.M. ▪ Room: Ballroom 20BC

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Airway Management in the Critically Ill Patient

Moderators: Ulrich Schmidt, Arthur Tokarczyk

- Continental Breakfast
- Welcome and Course Introduction
  Ulrich Schmidt
- Emergent Airway Management: Why Is the Morbidity So High?
  Ulrich Schmidt
- Is There Still a Role for Direct Laryngoscopy?
  Arthur Tokarczyk
- Should I Anesthetize and Paralyze the Patient?
  William E. Hurford
- Questions and Answers
- Break
- Controversies in Surgical Airway Technique
  Daniel D. Yeh
- The Airway Management Team
  Edward A. Bittner
- Challenges in Pediatric Airway Management
  Nicholas Dalesio
- Lunch
- Skill Station 1: Laryngoscopes
  Edward A. Bittner, Arthur Tokarczyk
- Skill Station 2: Fiberoptic Intubation
  William E. Hurford, David M. Ferraro
- Skill Station 3: Surgical Airway
  Daniel D. Yeh, Christopher R. Tainter
- Break
- Skill Station 4: Rescue Noninvasive Ventilation
  Ulrich Schmidt, TBD
- Skill Station 5: Pediatric Airway
  Nicholas Dalesio, Arun Saini

Program and faculty are subject to change.

8:00 A.M. – 5:00 P.M. • Room: Ballroom 20D

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Bedside Pharmacologic Management

Moderators: Jeremiah J. Duby, Tyree H. Kiser

- Continental Breakfast
- Critical Care Versus the World (of Poisons): Practical Toxicology
  Janice L. Zimmerman
- Focusing Fire or Watchful Waiting: Substance Withdrawal in the ICU
  Jeremiah J. Duby
- Bleeding on Direct Oral Anticoagulants: Reversal to the Rescue!
  Mark D. Cipolle
- Panel Questions and Answers: Toxicology
  Janice L. Zimmerman, Jeremiah J. Duby, Mark D. Cipolle
- Break
- Anything and Everything but Panic: Refractory and Super-Refractory Seizures
  Holly E. Hinson
- Head-On to Heads-Up: Active Traumatic Brain Injury Management
  Karen Berger
- Panel Questions and Answers: Neurocritical Care
  Holly E. Hinson, Karen Berger
- Lunch
- Sedation: Updates on Clinical Practice Guidelines
  Gilles L. Fraser
- Show, Don't Tell: Reduce Delirium and Its Associated Outcomes
  John W. Devlin
- Multimodal Analgesia: Opioid- and Pain-Free?
  John W. Devlin
- Panel Questions and Answers: Pain, Agitation, and Delirium
  Gilles L. Fraser, John W. Devlin
- Break
- Antibiotics: Shiny and New?
  Monica Donnelley
- Vasopressors: MAP the Course?
  Seth R. Bauer
- Big and Fast: Antibiotic Dosing in Obesity and Augmented Renal Clearance
  Tyree H. Kiser
- Panel Questions and Answers: Pain, Agitation, and Delirium
  Monica Donnelley, Seth R. Bauer, Tyree H. Kiser

8:00 A.M. – 5:00 P.M. ▪ Omni San Diego - Grand Ballroom Salon AB

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Critical Care Quality Summit

Moderators: Jason M. Kane, Teresa A. Rincon, Pamela L. Smithburger

- Continental Breakfast
- Welcome and Overview
  Pamela L. Smithburger
- Clinician Burnout: Impact and Prevention Strategies
  Ruth M. Kleinpell
- ABCDEF Bundle: Show Me the Data
  Brenda T. Pun
- Break and Poster Viewing
- 2018 PADIS Guidelines
  John W. Devlin
- SCCM Definitions of Potentially Inappropriate and Futile Interventions
  Mary F. Marshall
- Lunch and Poster Viewing
- What's Next at SCCM: Quality Collaboratives
  Kathleen Vermoch
- Patient- and Family-Centered Care Implementation Strategies
  Judy E. Davidson
- Networking Discussions:
  Topic 1: PADIS Guidelines
  Topic 2: ABCDEF Bundle
  Topic 3: Ethical Considerations
  Topic 4: End of Life
  Brenda T. Pun, Mitchell M. Levy, Jason M. Kane, Mary F. Marshall, Teresa A. Rincon
- Break
- Ethical Considerations for End-of-Life Planning in an Age of Predictive Modeling
  Mitchell M. Levy, Teresa A. Rincon
- Engaging an Entire Health System: How to Implement Quality and Safety Initiatives and Best Practices Across Diverse Hospitals Within One System
  Teresa A. Rincon, David J. Murphy

8:00 A.M. – 5:00 P.M. • Room: 28

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Current Concepts in Adult Critical Care – Day 2 (see page 31 for Day 1)

Moderators: Ho Geol Ryu, Michael J. Connor

- Continental Breakfast
- Welcome Back
  Ho Geol Ryu, Michael J. Connor
- Microbiomes and Pathobiomes in Critically Ill Patients
  Craig M. Coopersmith
- Venovenous ECMO in the ICU
  Gregory J. Schears
- Conversing With the Experts: Panel Discussion
  Gregory J. Schears, Craig M. Coopersmith
- Break
- The Lyter Side of Acid-Base: A Critical Appraisal of Crystalloid Resuscitation and Its Effect on pH
  David C. Kaufman
- When to Start Renal Replacement Therapy in Critically Ill Patients: Early Versus Late
  Michael J. Connor
- Conversing With the Experts: Panel Discussion
  David C. Kaufman, Michael J. Connor
- Lunch
- Advanced Practice Providers in the ICU
  Ruth M. Kleinpell
- Inhaled Antibiotics for Respiratory Infection
  Christine M. Groth
- Conversing With the Experts: Panel Discussion
  Ruth M. Kleinpell, Christine M. Groth
- Break
- Alternative Options for Sedation in the ICU
  Christopher D. Adams
- The ABCDEF Bundle
  Matthew Aldrich
- Conversing With the Experts: Panel Discussion
  Christopher D. Adams, Matthew Aldrich
- Closing Remarks
  Ho Geol Ryu, Michael J. Connor

8:00 A.M. – 5:00 P.M. • Room: 31

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Disaster Medicine and Toxicologic Emergencies for the Veterinary Critical Care Specialist: Environmental Emergencies and Disaster Preparedness for the Critical Care Clinician – Day 2 (see page 31 for Day 1)

Moderator: Elizabeth Davidow

Held in partnership with

- Continental Breakfast
- Evacuation Day: What to Expect the Day Your Hospital Closes, and Creating a Disaster Plan
  Virginia Frauenthal
- Fire Hazards: Smoke Inhalation and Thermal Burns
  Virginia Frauenthal
- Break
- Water Hazards: Near-Drowning and Floods
  Marie E. Kerl
- Disaster and Polytrauma
  Virginia Frauenthal
- Lunch
- Displaced Animals in Disaster: Infectious Diseases, Fungal
  Marie E. Kerl
- Displaced Animals in Disaster: Infectious Diseases, Rickettsial
  Marie E. Kerl
- Providing Veterinary Care for Displaced Pets and Owners in a Disaster
  Virginia Frauenthal
- Break
- Deploying in Disaster: Government and NGO Disaster Response Opportunities for the Criticalist
  Marie E. Kerl

8:00 A.M. – 5:00 P.M. • Room: 30

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Fundamental Critical Care Support: Obstetrics – Day 2 **(see page 32 for Day 1)**

Moderators: Lauren A. Plante, Scott A. Harvey

- Continental Breakfast
- Welcome Day 2
  Marie R. Baldisseri, Lauren A. Plante, Scott A. Harvey
- Obstetric Hemorrhage
  Scott A. Harvey
- Nonobstetric Surgical Diseases in the Pregnant Patient
  Mary J. Reed
- Break
- Sepsis
  A. Jason Vaught
- Thromboembolid Disease and Pregnancy
  Marie R. Baldisseri
- Fetal Evaluation and Fetal Concerns in the Seriously Ill Pregnant Patient
  A. Jason Vaught
- Lunch
- Management of Delivery and the Newborn
  Frederico G. Rocha
- Transport of the Critically Ill Pregnant Patient
  Randy S. Wax
- Break
- Skill Station: Delivery and Neonatal Resuscitation
  Frederico G. Rocha, Randy S. Wax
- Skill Station: Postpartum Hemorrhage
  Mary J. Reed, A. Jason Vaught
- Wrap-Up and Posttest
  Lauren A. Plante, Scott A. Harvey, Marie R. Baldisseri, Frank M. O'Connell, Mary J. Reed, Frederico G. Rocha, A. Jason Vaught, Randy S. Wax

8:00 A.M. – 5:00 P.M. • Room: Ballroom 20A

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Neurologic Monitoring in the Adult and Pediatric ICUs

Moderators: Erik Su, Cherylee W.J. Chang

- Continental Breakfast
- Welcome and Opening Remarks
  Erik Su, Cherylee W.J. Chang
- Continuous EEG and Epilepsy Detection
  Paul M. Vespa
- Brain Oxygenation Measurement
  Wendy C. Ziai
- Transcranial Doppler
  Charles H. Tegeler IV
- Neurosonology and Ophthalmic Ultrasound
  Becky J. Riggs
- Break
- Biomarkers
  David B. Seder
- Neuroimaging: CT/CT Angiography and Perfusion
  Aarti Sarwal
- Lunch
- Neuroimaging: MRI and Angiography
  Erik Su
- ICP Monitoring and CSF Diversion
  Jonathon Cooke
- Break
- Skill Station: Transcranial Doppler
  Aarti Sarwal
- Skill Station: Neurologic Ultrasound
  Erik Su
- Skill Station: Intracranial Monitoring
  Jonathon Cooke
- Wrap-Up

Program and faculty are subject to change.

1:00 P.M. – 5:00 P.M. • Room: 33

PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Palliative and End-of-Life Care in the ICU: State of the Art and Skills for the Intensivist Team

Moderator: Andrew J. Macfadyen

- Primary Palliative Care for the Intensivist Team
  Lisa Kitko
- Specialty Palliative Care: The Palliative Care Consultant in the Adult ICU
  David Y. Hwang
- Palliative Care in the ICU: The Pediatric Perspective
  David M. Steinhorn
- Complex Discussions: Providers, Patients, and Families
  Joshua B. Kayser
- Small Group Discussion: What to Expect
  Andrew J. Macfadyen
- Break
- Discussion Group: Difficult Conversations
  Andrew J. Macfadyen, Lisa Kitko, David M. Steinhorn, Joshua B. Kayser, David Y. Hwang
- Discussion Group: Family Meetings
  Andrew J. Macfadyen, Lisa Kitko, David M. Steinhorn, Joshua B. Kayser, David Y. Hwang

SUNDAY, FEBRUARY 17, 2019

8:00 A.M. – 9:30 A.M. ▪ Room: Hall F

OPENING SESSION ·))) ***Live Broadcast***

Welcome

2019 Presidential Address

Heatherlee Bailey, MD, FCCM
Durham VA Medical Center
Department of Emergency Medicine
Durham, North Carolina, USA

PLENARY SESSION

The Changing Continuum of Healthcare

Moderator: Jerry Zimmerman

Brett P. Giroir, MD
Admiral, U.S. Public Health Service
Assistant Secretary for Health
Senior Advisor to the Secretary for Opioid Policy
U.S. Department of Health and Human Services
Washington, DC, USA

PLENARY SESSION

Improving Critical Care and Outcomes Using National Clinical Audit

Moderator: Jonathan Sevransky

Kathryn Rowan, PhD
Director of Scientific & Strategic Development and Clinical Trials Unit Director - ICNARC
Honorary Professor, London School of Hygiene & Tropical Medicine
University of London
London, United Kingdom

9:30 A.M. – 10:30 A.M. ▪ Room: Exhibit Hall GH

Break

9:30 A.M. - 10:30 A.M. ▪ Room: Upper Level Lobby

Roundtable Discussions

(see pages 8-10 for all Roundtable Discussions)

9:30 A.M – 3:45 P.M. ▪ Room: Exhibit Hall GH

Exhibit Hall Open

10:00 A.M. – 11:00 A.M. ▪ Room: Exhibit Hall GH

Research Snapshot Theaters

(see pages 68-73 for all Research Snapshot Theaters)

10:30 A.M. - 11:30 A.M. ▪ Room: Exhibit Hall GH

Critical Crosstalk Theater

(see page 28 for Critical Crosstalk Theater schedule)

10:30 A.M. – 11:30 A.M. ▪ Room 32

NON-CE SESSION

Become a Fellow of the American College of Critical Care Medicine

Moderator: Mary J. Reed

- Become a Fellow of the American College of Critical Care Medicine
  David M. Greer, Maureen A. Madden

Program and faculty are subject to change.

10:30 A.M. - 11:30 A.M. ▪ Room: Ballroom 20D

Improving Outcomes in Cardiogenic Shock: Lessons Learned From a Primary PCI Laboratory

Moderator: Adel E. Ghuloom

- Patient Identification: Unfavorable Features
  Adel E. Ghuloom
- The Goals of Hemodynamic Support and Choosing the Mechanical Circulatory Support Option in Cardiogenic Shock
  Vivek Kumar Moitra
- Cardiogenic Shock Best Practices: What Your ICU Staff Need to Know
  John J. Whitcomb

10:30 A.M. - 11:30 A.M. ▪ Room: 31

Mass Casualty Events: Challenges and Opportunities in Caring for the Critically Ill and Injured

Moderator: Gloria M. Rodriguez-Vega

- Managing Critically Ill Patients During a Major Disaster: A Nursing Perspective
  Marilia I. Diaz Correa
- Natural Disasters: How Do We Care for the Critically Ill When Our Hospitals Cannot Function?
  Laura E. Evans
- Mass Shootings: Caring for an Influx of Dozens of Critically Injured Patients
  Deborah A. Kuhls

10:30 A.M. - 11:30 A.M. ▪ Room: 30

Opioids: Crisis in Healthcare and Society

Moderator: Corey J. Witenko

- Nursing Issues Across the Spectrum
  Renee C.B. Manworren
- Drug-Seeking Behavior in the ICU
  Benjamin Moses
- Complications of Drug Abuse
  Heather L. Evans

10:30 A.M. - 11:30 A.M. ▪ Room: 28

Pro/Con Debate: Are AKI Biomarkers Ready for Clinical Use? ***#CritCareControversies***

Moderator: Azra Bihorac

- Limitations of the Current Consensus AKI Definition
  John A. Kellum
- Pro: Let the Testing Begin!
  Azra Bihorac
- Con: We're Not There Yet . . .
  Michael G.S. Shashaty

10:30 A.M. – 12:30 P.M. ▪ Room: Hall F

Assessing End Points of Resuscitation in the ICU

Moderator: Flavia R. Machado

- Choice of Fluids for Resuscitation and Avoiding Fluid Overload
  Greg S. Martin
- Determination of Fluid Responsiveness After Initial Resuscitation: Invasive Methods
  Michael R. Pinsky
- Determination of Fluid Responsiveness After Initial Resuscitation: Noninvasive Methods
  Michael J. Lanspa
- Focused Cardiac Ultrasound to Determine Fluid Responsiveness
  Jose L. Diaz-Gomez
- Fluid Management After Shock Resolves
  Colin K. Grissom

10:30 A.M. - 12:30 P.M. • Room: Ballroom 20A

Brain Bleed Essentials for General Intensivists

Moderator: Sheila A. Alexander

- When to Call the Surgeon
  Wendy C. Ziai
- Noninvasive and Invasive Monitoring in Brain Hemorrhage
  Paul M. Vespa
- Blood Pressure Management
  Cherylee W.J. Chang
- Pharmacotherapy for Brain Hemorrhage
  Gretchen M. Brophy
- Keeping the Brain Cool After Brain Bleeds
  Sheila A. Alexander

10:30 A.M. - 12:30 P.M. • Room: 29

Guidelines for Pediatric Sepsis Beyond Clinical Care: Government Mandates and Adherence *#PedsICU*

Moderator: Erika L. Stalets

- Should Children's Hospitals Develop Guidelines Based on Adult Mandates?
  Richard J. Brilli
- Does the CMS Standard for Sepsis Apply to Pediatrics?
  Sean R. Townsend
- How Do We Measure Adherence to Protocols?
  Julie C. Fitzgerald
- Antimicrobial Stewardship in the Pediatric ICU
  Jeffrey J. Cies
- Panel Discussion
  Richard J. Brilli

10:30 A.M. - 12:30 P.M. • Room: 33

New Strategies in Managing Complex Wounds in the Critically Ill

Moderator: William S. Miles

- Anatomy, Pathophysiologic Basis, and Bacteriology of Complex Wounds in the ICU
  Addison K. May
- Wound Emergencies: Not Just Flesh-Eating Bacteria
  Jose J. Diaz Jr.
- Antibiotic Stewardship and Difficult ICU Wounds: Time, Type, and Topicals
  Anthony T. Gerlach
- The Challenging Oncologic Wound: Bone Marrow Suppression, Malignancy, and Graft-Versus-Host Disease
  Joseph L. Nates
- Novel Strategies for the Challenging Wound: Beyond Negative Pressure
  William S. Miles

10:30 A.M. - 12:30 P.M. • Room: Ballroom 20BC

Toxicology Pearls for Everyone

Moderators: Edward A. Bittner, Laura Baumgartner

- Basic Poison Management for the Intensive Care Provider
  Jerrold B. Leikin
- Trends in National Poison Data
  Janice L. Zimmerman
- Best Toxicology Articles of 2018
  Megan A. Rech
- Controversies in Toxicology Management
  Aaron Skolnik
- Antidotes
  Megan Musselman

11:15 A.M. -12:15 P.M. • Room: Exhibit Hall GH

Research Snapshot Theaters

(see pages 68-73 for all Research Snapshot Theaters)

Program and faculty are subject to change.

11:45 A.M. - 12:45 P.M. • Room: 31

FLIPPED CLASSROOM *CHECK APP FOR PRE-SESSION READING*

ACCM Adult Guidelines for the Prevention and Management of Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption (PADIS) ***#ICULiberation*** ***Live Broadcast***

Moderator: John W. Devlin

- Methods and Application of Key Pain, Sedation, and Immobility Recommendations
  John W. Devlin
- Application of Key Delirium and Sleep Recommendations
  Gerald L. Weinhouse
- ICU Survivor Perspectives
  Cheryl J. Misak
- Lessons Learned, Implementation Suggestions, and Future Steps
  Yoanna Skrobik

11:45 A.M. - 12:45 P.M. • Room: 30

Fibbing With the Atria: New-Onset Atrial Fibrillation

Moderator: Drayton A. Hammond

- Anticoagulation Management
  Toby C. Trujillo
- Rate, Rhythm, and Roll
  Aranya Bagchi
- Fibrillation in Special Populations
  Daniel P. De Backer

11:45 A.M. - 12:45 P.M. • Room: 28

Pro/Con Debate: Who Should Be in Charge of Multidisciplinary Critical Care Training? ***#CritCareControversies***

Moderator: Gilman B. Allen

- Pro: Keep It Simple: Follow the ACGME Supervision Restrictions
  Antoinette Spevetz
- Con: Allow Us to Cross-Pollinate
  Rhonda L. D'Agostino

11:45 A.M. – 12:45 P.M. • Room: Ballroom 20D

Sweet and Sour: Pearls and Perils of Glycemic Management

Supported in part by an educational grant from Abbott Nutrition

Moderator: Diana Wells Mulherin

- Transitions in Glycemic Control: How Not to Drop Anchor From Your Emergency Canoe
  James F. Gilmore IV
- Dysglycemia: All That Glitters Is Not Gold
  Douglas B. Coursin
- ICU Glycemia: A Monitoring Update
  Micah T. Long

11:45 A.M. – 1:15 P.M. • Room: 32

Trainee to Faculty: Get There and Get Comfortable

Moderators: Utpal S. Bhalala, Roshni Sreedharan

- Bettering the Perception of Competence as Viewed by Self and Colleagues: How Can We Help?
  Marc J. Popovich
- Work and Life: Striking the Balance and Keeping Burnout at Bay
  Judy E. Davidson
- Engaging the Team for Effective Interdisciplinary Rounds: Tips and Tricks
  Vinay M. Nadkarni
- Resilience in the ICU: Training Our Trainees
  Ashish K. Khanna

12:30 P.M. – 1:30 P.M. • Room: Exhibit Hall GH

Research Snapshot Theaters

(see pages 68-73 for all Research Snapshot Theaters)

12:45 P.M. - 1:45 P.M. • Room: Exhibit Hall GH

Critical Crosstalk Theater

(see page 28 for Critical Crosstalk Theater schedule)

12:45 P.M. - 1:45 P.M. • Room: Upper Level Lobby

Roundtable Discussions

(see pages 8-10 for all Roundtable Discussions)

2:00 P.M. – 2:45 P.M. • Room: Hall F
PLENARY SESSION
Late-Breaking Studies That Will Change Your Practice
Moderator: Timothy G. Buchman, Editor, Critical Care Medicine; *Phil B. Fontanarosa, Executive Editor,* JAMA
- Late-Breaking Article Presentations

2:45 P.M. – 3:45 P.M. • Room: Exhibit Hall GH
Break

2:45 P.M. - 3:45 P.M. • Room: Exhibit Hall GH
Critical Crosstalk Theater
(see page 28 for Critical Crosstalk Theater schedule)

2:45 P.M. - 3:45 P.M. • Room: Upper Level Lobby
Roundtable Discussions
(see pages 8-10 for all Roundtable Discussions)

3:00 P.M. – 3:45 P.M. • Room: Exhibit Hall GH
Research Snapshot Theaters
(see pages 68-73 for all Research Snapshot Theaters)

3:45 P.M. - 4:45 P.M. • Room: 33
Star Research Presentations: Hematology
Moderator: Ken Tegtmeyer
- Effect of 4-Factor PCC Reversal Protocol in LVAD Patients Undergoing Heart Transplantation
  Man-Ching J. Wong
- Identifying Time Interval Features Predictive of Hospital-Acquired Venous Thromboembolism
  Tiffany Pellathy
- Andexanet Alfa Reverses Anticoagulation in Factor Xa-Associated Major Bleeding in ANNEXA-4 Study
  Stuart Connolly
- Evaluation of Heparin Requirements for Patients With Impella Percutaneous Ventricular Assist Devices
  Alta Bergquist

3:45 P.M. - 4:45 P.M. • Room: 29
Star Research Presentations: Pediatric Multiple Organ Dysfunction
Moderator: Jason M. Kane
- Role of Drp1/Fis1-Mediated Mitochondrial Fragmentation in Sepsis-Induced Myocardial Dysfunction
  Bereketeab Haileselassie
- Three Pediatric Sepsis-Induced Multiple Organ Failure Inflammation Phenotypes: A Multicenter Study
  Joseph A. Carcillo
- Five-Year Readmission and Mortality in Survivors of Multiple Organ Dysfunction Syndrome in Infancy
  Elizabeth Y. Killien
- Data-Driven Phenotypes of Multiple Organ Dysfunction Syndrome in Critically Ill Children
  L. Nelson Sanchez-Pinto

3:45 P.M. – 4:45 P.M. • Room: Ballroom 20D
Star Research Presentations: Pediatric Pulmonary
Moderator: Ana Lia Graciano
- Acute Respiratory Distress Syndrome Following Pediatric Trauma: Application of PALICC Criteria
  Elizabeth Y. Killien
- Early Predictors of Mortality in Pediatric Acute Respiratory Distress Syndrome: A PARDIE Study
  Nadir Yehya
- Endothelial Activation Is More Prominent in Indirect Versus Direct Pediatric ARDS
  Jane Whitney
- Pediatric Diaphragm Atrophy Is Associated With Prolonged Noninvasive Support Following Extubation
  Christie Glau

3:45 P.M. – 4:45 P.M. • Room: Ballroom 20A
Star Research Presentations: Pulmonary
Moderator: Rahul S. Nanchal
- Driving Pressure Response to Positive End-Expiratory Pressure Predicts Mortality in ARDS
  Nadir Yehya
- Timing of Administration of Neuromuscular Blocking Agents in Acute Respiratory Distress Syndrome
  Courtney T. Makowski
- Use of the Change in Weaning Parameters as Predictors of Successful Reextubation
  Suraj Trivedi
- Short Stature Is Associated With Increased Risk of Mortality in Acute Respiratory Distress Syndrome
  Kathryn M. Vessel

Program and faculty are subject to change.

3:45 P.M. – 5:45 P.M. • Room: Ballroom 20BC

Star Research Presentations: Basic Science of Sepsis

Moderator: Keith Killu

- Optogenetic Stimulation of DMV Cholinergic Neurons Inhibits Serum Cytokines in Endotoxemia
  Adam Kressel
- Differential Effect of IL-10 on the Innate and Adaptive Immune System in Patients With Sepsis
  Monty Mazer
- A Stringent Molecular Systems Approach to Human Inflammatory Distributive Shock
  Anaar Siletz
- Extracellular MicroRNA 130b Attenuates CIRP-Induced Systemic Inflammation and Lung Injury in Mice
  Steven Gurien
- The Impact of TNF-α Genetic Variability on Sepsis Risk and Its Severity
  Anca Meda Georgescu
- Monocyte Distribution Width: A Novel Indicator of Sepsis-2 and Sepsis-3 in High-Risk ED Patients
  Elliott D. Crouser
- Differential Gene Expression in Adult Versus Pediatric Septic Shock
  Michael Bonk
- CD4 T Cell Memory Improves Innate Immunity in the Cecal Ligation and Puncture Model of Sepsis
  Matthew D. Taylor

3:45 P.M. – 5:45 P.M. • Room: 28

Star Research Presentations: Neurology

Moderator: Erik Su

- Racial and Ethnic Differences in Healthcare Utilization Following Severe Acute Brain Injury
  Rayleen C. Jones
- GFAP, but Not UCH-L1, Correlates Significantly With Cognitive Outcome After Traumatic Brain Injury
  Christopher Shaw
- Grading Scales in Subarachnoid Hemorrhage: Which Scale to Control for When Studying Outcomes
  Khalil M. Yousef
- CSF Lactate for Diagnosis and Treatment Efficacy of Post-Neurosurgery Bacterial Meningitis
  Yufang Wang
- Lower BP After Subarachnoid Hemorrhage Associated With Late Neuropsychological Dysfunction
  Marilyn Hravnak
- Marked Cognitive Impairment in Global, Inducible HMGB1 KO Mice Despite Tissue Sparing After TBI
  Alicia M. Alcamo
- Infant Delirium in the PICU: A Prevalent Entity With Challenges in Diagnosis
  Marguerite Orsi Canter
- Ophthalmic Ultrasound Detects Retinal Injury in Children With Abusive Head Trauma
  Becky J. Riggs

3:45 P.M. – 5:45 P.M. • Room: 31

Star Research Presentations: Potpourri

Moderator: Sean A. Nix

- Failure to Launch: Predictors of the Chronically Critically Ill Post-Liver Transplant Patient
  Nicholas Ingraham
- Association of Hyperchloremia and Unfavorable Clinical Outcomes in Adults With Diabetic Ketoacidosis
  Nathan T. Goad
- Chlorhexidine for the Prevention of Catheter-Related Infections: A Network Meta-Analysis
  Tomoyuki Masuyama
- Navigating Patient- and Family-Centered Rounding With a Scripted Rounding Tool: ICAREMAP
  Ryan D. Clouser
- Urea Cycle Defect Unmasked by Valproic Acid
  Jonathan Rathod
- Continuation of Newly Initiated Midodrine Therapy After Intensive Care and Hospital Discharge
  Mahrukh Rizvi
- Clinical Phase II Results of PMZ-2010 (Centhaquin) as a Resuscitative Agent for Hypovolemic Shock
  Anil Gulati
- Computer-Guided Resuscitation Attenuates Over-Resuscitation in Ovine Burn and Smoke Inhalation Model
  Satoshi Fukuda

3:45 P.M. – 5:45 P.M. ▪ Room: 30

Star Research Presentations: Quality and Patient Safety

Moderator: Gilman B. Allen

- The Global Open Source Severity of Illness Score (GOSSIS)
  Jesse Raffa
- Early Palliative Care Consultation in the Medical ICU: A Cluster Randomized Crossover Trial
  Stephen Chi
- Five-Year Outcomes After Implementing a Pain, Agitation, and Delirium Guideline in a Mixed ICU
  Jeffrey T. Fish
- Derivation and Validation of a Novel Opioid-Induced Respiratory Depression Risk Prediction Tool
  Ashish K. Khanna
- Titration Instructions Prolong Time to Hemodynamic Stability in ICU Patients on Norepinephrine
  Alyssa Chen
- CERTAIN: An International Quality Improvement Study in the Intensive Care Unit
  Marija Vukoja
- Engineering Interoperability Between EHRs and Infusion Pumps: A Human Factors Evaluation Study
  Zoe Demko
- Perioperative Critical Care Practices and Mortality Among Patients With General Surgery Emergencies
  Amy Rushing

4:45 P.M. - 5:45 P.M. ▪ Room: 29

Star Research Presentations: Pediatric Potpourri

Moderator: Jason M .Kane

- Comparison of Bedside Ultrasound to FNL for Identification of VCMI After Pediatric Cardiac Surgery
  Kyle Miller
- Machine Learning Applied to Continuous Physiologic Data Predicts Fever in Critically Ill Children
  Rishikesan Kamaleswaran
- Economic Impact of Hospitalized Children With Botulism Who Receive Human Botulinum Immune Globulin
  Jonathan Chan
- Age and Injury Severity Are Determinants of Glucose Metabolism Following Severe Burn Trauma
  Daniel Popp

4:45 P.M. - 5:45 P.M. ▪ Room: Ballroom 20D

Star Research Presentations: Pediatric Shock Circulation

Moderator: Ana Lia Graciano

- Effect of Epinephrine Versus Vasopressin Rescue on Cerebral Blood Flow During CPR
  Julia Slovis
- Survival and Neurobehavioral Outcomes in Children One Year After ECPR for In-Hospital Cardiac Arrest
  Kathleen L. Meert
- End-Tidal Carbon Dioxide to Identify Return of Spontaneous Circulation During Pediatric Arrest
  Robert M. Sutton
- Temporal Trends of Ventricular Assist Device Use in Children From 2000 to 2012
  Kalpana Singh

4:45 P.M. - 5:45 P.M. ▪ Room: Ballroom 20A

Star Research Presentations: Sepsis

Moderator: Rahul S. Nanchal

- The Epidemiology of Hospital-Onset Sepsis Using Clinical Data From 136 U.S. Hospitals
  Chanu Rhee
- Genetic Regulation of Lactate During Sepsis Implicates Phosphodiesterase 4D in Sepsis Outcome
  John P. Reilly
- Impact of Discharge Disposition on 30-Day Readmissions Among Patients Admitted With Septic Shock
  Karan Sud
- Discontinuation Order of NE vs. AVP During Septic Shock Recovery: Systematic Review & Meta-Analysis
  Nadine Musallam

4:45 P.M. - 5:45 P.M. ▪ Room: 33

Star Research Presentations: Trauma

Moderator: Ken Tegtmeyer

- Enteral Protease Inhibition Preserves Autonomic Modulation in Trauma-Hemorrhagic Shock
  Fernando Dos Santos
- Optimal Threshold for Venous Duplex Ultrasound Screening for Thromboembolism in Trauma Patients
  Michelle B. Mulder
- The S.M.A.R.T. Approach to Liberating Trauma Patients From Mechanical Ventilation and the ICU
  Wade L. Veneman
- Efficacy and Safety of Recombinant Activated Factor VII for the Treatment of Perioperative Bleeding
  Zhigang Chang

Program and faculty are subject to change.

MONDAY, FEBRUARY 18, 2019

6:15 A.M. – 7:45 A.M. • Room: Ballroom 20D

EDUCATIONAL SYMPOSIUM

Catecholamine-Resistant Distributive Shock: Current Management

Supported by an educational grant from La Jolla Pharmaceutical Company

Moderator: Addison K. May

- Continental Breakfast
- Pathophysiology of Catecholamine-Resistant Distributive Shock
  Steven M. Hollenberg
- Epidemiology of Disease: Prevalence and Burden of Disease, Mortality, and Implications for Therapy
  Timothy E. Albertson
- Angiotensin II: A Novel Therapeutic Option
  Azra Bihorac
- Case Study
  Addison K. May

8:00 A.M. – 8:45 A.M. • Room: Hall F

PLENARY SESSION

PETER SAFAR MEMORIAL LECTURE

A 2020 Vision of CPR: Evolution, Revolution, and Novel Solution

Moderator: William E. Dager

Paul E. Pepe, MD, MPH, FACEP, FAEMS, MACEP, MCCM
Professor of Medicine, Surgery, Pediatrics, Emergency Medicine,
Public Health and Riggs Family Chair in Emergency Medicine
University of Texas Southwestern Medical Center at Dallas
Medical Director for Emergency Medical Services/Public Safety, Dallas County
Dallas, Texas, USA

8:30 A.M – 3:30 P.M. • Room: Exhibit Hall GH

Exhibit Hall Open

8:45 A.M. – 9:45 A.M. • Room: Exhibit Hall GH

Break

8:45 A.M. - 9:45 A.M. • Room: Exhibit Hall GH

Critical Crosstalk Theater

(see page 28 for Critical Crosstalk Theater schedule)

8:45 A.M. – 9:45 A.M. • Room: Exhibit Hall GH

Research Snapshot Theaters

(see pages 68-73 for all Research Snapshot Theaters)

8:45 A.M. - 9:45 A.M. • Room: Upper Level Lobby

Roundtable Discussions

(see pages 8-10 for all Roundtable Discussions)

9:45 A.M. - 10:45 A.M. • Room: Exhibit Hall GH

Critical Crosstalk Theater

(see page 28 for Critical Crosstalk Theater schedule)

9:45 A.M. – 10:45 A.M. • Room: Ballroom 20D

Late Breakers: SCCM Journals

Moderators: Timothy G. Buchman, Patrick M. Kochanek

9:45 A.M. – 10:45 A.M. • Room: 31

FLIPPED CLASSROOM *CHECK APP FOR PRE-SESSION READING*

Mitigation of Burnout in the ICU: Separating Myth From Reality ***#StopICUBurnout***

Moderators: Heather Meissen, Gilman B. Allen

- Disruptive Clinician Behavior
  James D. Fortenberry
- Interpersonal Harmony: Why Can't We All Just Get Along?
  Vishal Bakshi
- More Than a Minion: Renewing Purpose in Our Daily Work
  Ruth M. Kleinpell

9:45 A.M. – 10:45 A.M. • Room: 29

Pediatric Surgical Critical Care: Same Patients, Different Perspectives *#PedsICU*

Moderator: Samir K. Gadepalli

- ECMO Cannulation Strategies
  Michael W. Dingeldein
- Fluid Management in the Complex Postoperative Pediatric Patient
  Alexander Feliz
- Massive Transfusion and Coagulopathy in Pediatric Trauma
  Adam M. Vogel
- Understanding Damage Control in Pediatric Patients
  Laura Boomer

9:45 A.M. – 10:45 A.M. • Room: 28

Pro/Con Debate: Procedures in the ICU: APP Versus GME *#CritCareControversies*

Moderator: Sean A. Nix

- APPs Performing Procedures
  David L. Carpenter
- GMEs Performing Procedures
  Edward A. Bittner

9:45 A.M. – 10:45 A.M. • Room: 33

THRIVE: Bringing Meaning and Life Back to Survivors of Critical Illness *#THRIVEICU*

Moderator: Mary D. Still

- Survivorship Begins in the ICU: Strategies to Improve Long-Term Outcomes
  Theodore J. Iwashyna
- The ICU Diary as a Bridge on the Road to Recovery
  Julie Rogan
- Hospital Discharge: How to Prepare Survivors and Their Loved Ones
  Carla M. Sevin

9:45 A.M. – 10:45 A.M. • Room: Ballroom 20BC

Year in Review: Surgery

Moderator: Kaysie L. Banton, MD

- What's New in Emergency Surgery?
  Kaysie L. Banton
- What's New in Trauma Surgery?
  Deborah A. Kuhls
- What's New in Surgical Critical Care?
  Douglas F. Naylor Jr

9:45 A.M. – 11:45 A.M. • Room: Hall F

Hot Controversies in Sepsis: Surfing the Wave of Change *#Sepsis19* *Live Broadcast*

Moderators: R. Phillip Dellinger, Judith Jacobi

- Caring for the Patient: Protocolized or Individualized
  Mitchell M. Levy
- Early Goal-Directed Therapy . . . Is a Verb and Not a Noun
  Emanuel P. Rivers
- Early Fluids or Early Vasopressor Agents
  Michael R. Pinsky
- Which Fluid-Balanced Crystalloid, Unbalanced Crystalloid, or Just Albumin?
  Greg S. Martin
- Steroids for Everyone, No One, or Just a Select Few
  Djillali Annane

9:45 A.M. – 11:45 A.M. • Room: 30

Organ Repair and Recovery: How Long, if Ever

Moderator: Stephen M. Pastores

- Renal Recovery After Acute Kidney Injury
  John A. Kellum
- Skeletal Muscle Recovery
  Ramona O. Hopkins
- Neurocognitive Recovery
  Pratik P. Pandharipande
- Immune Recovery
  Mark W. Hall
- Endocrine Recovery
  Douglas B. Coursin

Program and faculty are subject to change.

9:45 A.M. – 11:45 A.M. • Room: Ballroom 20A

Seizures 101: What Every Intensivist Should Know

Moderator: Fred Rincon

- Seizures in the Critically Ill
  Paul M. Vespa
- Is Everything That Twitches a Seizure?
  Emily Gilmore
- To EEG or Not to EEG
  Sahar F. Zafar
- My Patient Is in Status
  Michele G. Mills
- Pharmaceutical Approaches to Seizures
  Gretchen M. Brophy

10:00 A.M. – 11:00 A.M. • Room: Exhibit Hall GH

Research Snapshot Theaters

(see pages 68-73 for all Research Snapshot Theaters)

11:00 A.M. – 12:00 P.M. • Room: 31

Critical Care Societies Collaborative Joint Session: Moral Distress, In-Hospital Violence, and Conflict Management Techniques

Moderator: Lewis J. Kaplan

- Moral Distress
  Sarah Delgado
- In-Hospital Violence and Professionalism Failure
  Curtis N. Sessler
- Conflict Management Techniques
  Joshua B. Kayser

11:00 A.M. - 12:00 P.M. • Room: Exhibit Hall GH

Critical Crosstalk Theater

(see page 28 for Critical Crosstalk Theater schedule)

11:00 A.M. – 12:00 P.M. • Room: Ballroom 20D

Late Breakers: Non-SCCM Medical Journals

Moderator: Jonathan E. Sevransky

11:00 A.M. – 12:00 P.M. • Room: 29

Mending Little Hearts *#PedsICU*

Moderator: Ndidiamaka L. Musa

- Genetic Basis for Congenital Cardiac Disease
  Parag Jain
- What Becomes of the Person With Cyanotic Congenital Heart Disease?
  Adrienne Kovacs
- Mechanical Cardiac Assist Devices
  Paul A. Checchia

11:00 A.M. – 12:00 P.M. • Room: 28

Pro/Con Debate: Is ECMO First-Line Therapy in ARDS? *#CritCareControversies*

Moderator: Mark E. Mikkelsen

- Con: ECMO Is Not First-Line Therapy in ARDS
  Roy G. Brower
- Pro: ECMO Is First-Line Therapy in ARDS
  Alain Combes

11:00 A.M. – 12:00 P.M. • Room: Ballroom 20BC

Year in Review: Internal Medicine

Moderator: Hayley B. Gershengorn

- Internal Medicine Review 1
  Shi-jun J. Hsieh
- Internal Medicine Review 2
  Rahul S. Nanchal
- Internal Medicine Review 3
  Bram Rochwerg
- Questions and Answers
  Hayley B. Gershengorn

11:00 A.M. – 12:00 P.M. • Room: 33
Year in Review: Nursing
Moderator: Mary E. Lough
- Adult Critical Care Nursing: Year in Review
  Marilyn Schallom
- Pediatric Critical Care Nursing: Year in Review
  Jacqueline Elegant

11:15 A.M. – 12:15 P.M. • Room: Exhibit Hall GH
Research Snapshot Theaters
(see pages 68-73 for all Research Snapshot Theaters)

12:00 P.M. – 1:15 P.M. • Room: 32
ADDITIONAL REGISTRATION REQUIRED
Fellowship Program Directors Luncheon: Mentorship Programs in Critical Care: A Road Less Traveled
Moderator: Ashish K. Khanna
- Welcome
  Ashish K. Khanna
- Survey Feedback: Nationwide Need for Critical Care Mentorship Survey
  Jason E. Moore
- Mentorship During Fellowship: A Real-World Experience
  Piyush Mathur
- Multiprofessional Mentorship During Critical Care Training: Formal, Informal, or Both?
  Gilles L. Fraser
- Novel Mentorship Ideas: An International Perspective
  Jan Bakker
- Summary and Group Discussion
  Ashish K. Khanna, Jason E. Moore, Gilles L. Fraser, Jan Bakker, Piyush Mathur

12:15 P.M. - 1:15 P.M. • Room: Exhibit Hall GH
Critical Crosstalk Theater
(see page 28 for Critical Crosstalk Theater schedule)

12:15 P.M. - 1:15 P.M. • Room: Upper Level Lobby
Roundtable Discussions
(see pages 8-10 for all Roundtable Discussions)

12:30 P.M. – 1:30 P.M. • Room: Exhibit Hall GH
Research Snapshot Theaters
(see pages 68-73 for all Research Snapshot Theaters)

1:30 P.M. – 2:15 P.M. • Room: Hall F
PLENARY SESSION
LIFETIME ACHIEVEMENT AWARD
Extracorporeal Life Support in Critical Care
Moderator: Pauline K. Park

Robert H. Bartlett, MD
Professor Emeritus of Surgery
University of Michigan
Ann Arbor, Michigan, USA

2:15 P.M. - 3:15 P.M. • Room: Exhibit Hall GH
Critical Crosstalk Theater
(see page 28 for Critical Crosstalk Theater schedule)

2:15 P.M. - 3:15 P.M. • Room: Upper Level Lobby
Roundtable Discussions
(see pages 8-10 for all Roundtable Discussions)

2:30 P.M. – 3:30 P.M. • Room: Exhibit Hall GH
Research Snapshot Theaters
(see pages 68-73 for all Research Snapshot Theaters)

Program and faculty are subject to change.

3:15 P.M. – 4:15 P.M. • Room: Ballroom 20A

Big Data and Quality Measures

Moderator: Robert D. Stevens

- Designing the Electronic Medical Record to Maximize Quality and Safety in the ICU
  Vitaly Herasevich
- Machine Learning to Classify ICU Big Data: Impact on Quality and Safety
  Piyush Mathur
- Prediction of Clinical Decompensation Using Physiologic Time Series and Electronic Medical Record Data
  James C. Fackler

3:15 P.M. – 4:15 P.M. • Room: 29

Pediatric Sedation: Less Is More *#PedsICU*

Moderator: Ira M. Cheifetz

- Move, Don't Sedate
  Sapna Kudchadkar
- Pediatric Delirium: Fact or Fiction
  Chani S. Traube
- Nursing Procedural Sedation Competencies in the Pediatric ICU
  Lauren R. Sorce

3:15 P.M. – 4:15 P.M. • Room: 28

Pro/Con Debate: Steroids in the ICU: To Give or Not to Give *#CritCareControversies*

Moderator: Lauren Roller

- Pro: Give Steroids
  Djillali Annane
- Con: No Steroids
  Bram Rochwerg

3:15 P.M. – 4:15 P.M. • Room: Hall F

The Critical Care Opioid Crisis *Live Broadcast*

Moderator: Jose L. Pascual

- ICU Resource Utilization in the Opioid Overdose Crisis
  Meghan B. Lane-Fall
- ABCDEF: Treat Pain First, Right? Are We Creating Narcotics Addicts in the ICU?
  Ashish K. Khanna
- Shortages and Alternatives to Opioids
  Jessica Crow

3:15 P.M. – 4:15 P.M. • Room: 30

Year in Review: Emergency Medicine and Prehospital Care

Moderator: Brian T. Wessman

- Prehospital Care, Initial Stabilization, and Transfer of the Critically Ill Patient
  Jacob B. Keeperman
- Time Zero: ICU Care on Arrival to the Emergency Department
  Trenton C. Wray
- Bringing Emergency Medicine Care Upstairs
  Katherine Pollard

3:15 P.M. – 4:15 P.M. • Room: Ballroom 20D

Year in Review: Neuroscience

Moderators: John V. Agapian, George A. Lopez

- Brain Death: 2019
  Venkatakrishna Rajajee
- NBME Update on Neurocritical Care Board Certification
  Lori A. Shutter
- Review of Recent Clinical Trials in Neurocritical Care: 2019
  Avinash B. Kumar

3:15 P.M. – 5:15 P.M. • Room: 33

Immunomodulators in Critical Illness: Updates From Clinical Trials

Moderator: Heather A. Personett

- Immunotherapy of Sepsis Using Anti-PDL1 Antibody
  Sachin Yende
- Human Myeloid-Derived Suppressor Cells in Sepsis
  Philip A. Efron
- GM-CSF for Immunomodulation Following Trauma
  Mark W. Hall
- Treatment Strategies for HLH/MAS in the ICU
  Jennifer A. McArthur
- Nontraditional ICU Drugs to Affect Inflammation
  Paul Wischmeyer

3:15 P.M. – 5:15 P.M. • Room: Ballroom 20BC

Optimizing Antibiotic Use in Your ICU

Moderator: Rahul S. Nanchal

- The New Paradigm: Antibiotic Stewardship in the ICU
  Simon W. Lam
- How to De-Escalate Antibiotic Therapy
  Michael Klompas
- Biomarker-Guided Antibiotic Therapy
  Anand Kumar
- When Not to Give Antibiotics
  Rahul S. Nanchal
- Therapeutic Antibiotic Monitoring and How to Effectively Decipher It
  Scott Micek

3:15 P.M. – 5:15 P.M. • Room: 31

ESICM/SCCM JOINT SESSION

Sepsis Research: Gaps, Priorities, and Goals; What Does the Future Hold? *#Sepsis19*

Moderators: Jozef Kesecioglu, Jerry J. Zimmerman

- Panel Discussion
  Craig M. Coopersmith, Mitchell M. Levy, Daniel P. De Backer

4:30 P.M. – 5:30 P.M. • Room: Hall F

Barriers to Implementation of Evidence-Based Practices in Patients With ARDS

Moderator: Colin K. Grissom

- Low Tidal Volume Ventilation and High PEEP in ARDS: Perception Versus Implementation
  Robert C. Hyzy
- What Is the Evidence for Alternative Modes of Mechanical Ventilation in ARDS?
  Richard D. Branson
- Identifying Barriers to Implementation and Developing Interventions
  Michelle Ng Gong

4:30 P.M. – 5:30 P.M. • Room: 29

Controversies in Pediatric ARDS *#PedsICU*

Moderator: Ira M. Cheifetz

- Optimal Tidal Volume for Pediatric ARDS
  Neal J. Thomas
- High-Frequency Ventilation for Pediatric ARDS
  Martin C.J. Kneyber
- Prone Positioning for Pediatric ARDS
  Martha A.Q. Curley

4:30 P.M. – 5:30 P.M. • Room: Ballroom 20D

If You Build It, They Will Come: Optimizing ICU Bed Utilization

Moderator: Jeremy M. Kahn

- Is My ICU the Right Size?
  Hannah Wunsch
- Do I Have the Right Patients in My ICU?
  Barbara A. Birriel
- Why Can't I Use My Beds More Efficiently?
  Marcelo Malakooti

Program and faculty are subject to change.

4:30 P.M. – 5:30 P.M. • Room: 28

Pro/Con Debate: To REBOA or Not to REBOA *#CritCareControversies*

Moderators: Kristine A.K. Lombardozzi

- Pro: REBOA
  Mayur Narayan
- Con: REBOA
  Matthew E. Lissauer

4:30 P.M. – 5:30 P.M. • Room: Ballroom 20A

Safety and Quality Lessons You Need to Learn

Moderator: Jason M. Kane

- Family-Centered Care Is High-Quality Medical Care
  Maureen A. Madden
- Throwing Competition to the Wind: Collaboration to Save Lives
  Jason M. Kane
- Healing Environments
  Sandy M. Swoboda

4:30 P.M. – 5:30 P.M. • Room: 30

Year in Review: Anesthesiology

Moderator: Ashish K. Khanna

- Top Ten Critical Care Articles of 2018
  Ranjit Deshpande
- Refractory Shock in the ICU: The Old, the New, and the Future!
  Ashish K. Khanna
- Mechanical Circulatory Support Devices in 2019: What to Expect and Key Management Pearls
  Steven Miller

6:00 P.M. – 7:00 P.M. • Hilton San Diego Bayfront, Sapphire Ballroom C

ACCM Convocation / SCCM Awards Ceremony

TUESDAY, FEBRUARY 19, 2019

6:15 A.M. – 7:45 A.M. • Room: Ballroom 20D

EDUCATIONAL SYMPOSIUM

New Opportunities to Improve ICU Patient Outcomes: The Role of Parenteral Nutrition and New Lipids

Supported by an educational grant from Fresenius Kabi USA

Moderator: Paul Wischmeyer

- Continental Breakfast
- Dispelling Myths of Parenteral Nutrition: Improving Outcomes; Focus on Safety
  Paul Wischmeyer
- Overview of Lipid Emulsions
  Ashley D. DePriest
- Pragmatic Approaches to Achieving Lipid Emulsion Availability in Healthcare Institutions
  Todd W. Canada, Paul Wischmeyer
- Case Discussions/Panel Discussion
  Todd W. Canada, Ashley D. DePriest, Paul Wischmeyer

8:00 A.M. – 8:45 A.M. • Room: Hall F

PLENARY SESSION

MAX HARRY WEIL MEMORIAL LECTURE

Response to Injury and Stress: A Genomic Storm

Moderator: Heather L. Evans

Ronald V. Maier, MD, FACS
Jane and Donald D. Trunkey Professor and Vice Chair of Surgery
University of Washington
Surgeon-in-Chief
Harborview Medical Center
Seattle, Washington, USA

8:30 A.M – 1:30 P.M. • Room: Exhibit Hall GH

Exhibit Hall Open

8:45 A.M. – 9:45 A.M. • Room: Exhibit Hall GH

Break

8:45 A.M. - 9:45 A.M. • Room: Exhibit Hall GH

Critical Crosstalk Theater

(see page 28 for Critical Crosstalk Theater schedule)

8:45 A.M. – 9:45 A.M. • Room: Exhibit Hall GH

Research Snapshot Theaters

(see pages 68-73 for all Research Snapshot Theaters)

8:45 A.M. - 9:45 A.M. • Room: Upper Level Lobby

Roundtable Discussions

(see pages 8-10 for all Roundtable Discussions)

9:45 A.M. – 10:45 A.M. • Room: 32

Abstract Awards

Moderators: William E. Dager, Steven Greenberg, Lynn J. Hydo

9:45 A.M. – 10:45 A.M. • Room: 31

Amniotic Tsunami: Critical Care of the High-Risk Obstetric Patient

FLIPPED CLASSROOM *CHECK APP FOR PRE-SESSION READING*

Moderator: Richard M. Pino

- Management of the Obstetric Patient With Congenital Cardiac Abnormalities
  Andrea Girnius
- The Pregnant Patient With Hypertension, Coronary Disease, and Pulmonary Artery Hypertension
  Richard M. Pino
- Organization of ICU Resources for the Complex Pregnant Patient
  Marie R. Baldisseri

Program and faculty are subject to change.

9:45 A.M. – 10:45 P.M. • Room: 30

ASMUND S. LAERDAL MEMORIAL AWARD LECTURE

Asmund S. Laerdal Memorial Award Lecture

Moderator: Pauline K. Park

- Extracorporeal Support for Respiratory Failure
  Alain Combes

9:45 A.M. - 10:45 A.M. • Room: Exhibit Hall GH

Critical Crosstalk Theater

(see page 28 for Critical Crosstalk Theater schedule)

9:45 A.M. – 10:45 A.M. • Room: 33

Gut Health in Critical Illness *Live Broadcast Sponsored by Abbott Nutrition*

Supported in part by an education grant from Abbott Nutrition

Moderator: Nazima Pathan

- The Gut Microbiome-Host Relationship in Critical Illness
  Nazima Pathan
- Nutritional Modulation to Support Intestinal Homeostasis in Critical Illness
  Paul Wischmeyer
- The Gut as a Motor of Multiorgan Dysfunction in Critical Illness
  Craig M. Coopersmith

9:45 A.M. – 10:45 A.M. • Room: Hall F

Metabolomics in Critical Illness: The Missing Link in Precision Medicine?

Moderators: Stacy A. Voils, Michael A. Dubick

- The -Omics
  Markus Rinschen
- Metabolomic Studies in the Critically Ill: The Good, the Bad, and the Ugly
  Philip E. Empey
- Successful Design and Analysis of Metabolomic Studies
  Amr Shahin

9:45 A.M. – 10:45 A.M. • Room: 28

Pro/Con Debate: Mandating Sepsis Treatment *#Sepsis19*

Moderator: R. Phillip Dellinger

- Pro: The CMS Sepsis Mandate Should Be Adopted Nationally
  Laura E. Evans
- Con: The CMS Sepsis Mandate Should Not Be Adopted Nationally
  Michael Klompas

9:45 A.M. – 10:45 A.M. • Room: 29

Safety in the ICU Environment

Moderator: Ira M. Cheifetz

- ICU Safety: The Impact of Pediatric Violence Victims
  Heidi R. Flori
- De-Escalation Strategies for Staff In the Trenches
  Karin Reuter-Rice
- Legal and Regulatory Perspectives: How to Keep Our ICUs Safe
  Michael F. O'Connor

9:45 A.M. – 11:45 A.M. • Room: Ballroom 20D

Health Informatics

Moderator: Andrew L. Rosenberg

- Understanding IT and How It Supports the Critical Care Community
  Andrew L. Rosenberg
- Advances in IT: Cloud Computing, Big Data, and Mobile Applications
  Robert D. Bart III
- EHR, Clinical Decision Support, and Critical Care: State of the Art and Best Practices
  Ravi Tripathi
- eICU: Current State and Future Directions
  James M. Blum
- Virtual Critical Care: State of the Art and Technical Considerations
  Vitaly Herasevich

9:45 A.M. – 11:45 A.M. ▪ Room: Ballroom 20A

Life After Landmark RCTs

Moderator: Sheila A. Alexander

- Sepsis
  Emanuel P. Rivers
- Resuscitation: Life After the Leuven Trials
  James S. Krinsley
- Respiratory Failure
  Robert C. Hyzy
- Post-ICU Recovery
  Mark E. Mikkelsen
- Prevention of Multiorgan Dysfunction
  John C. Marshall

9:45 A.M. – 11:45 A.M. ▪ Room: Ballroom 20BC

Make It Stop: Hemorrhagic Control

Moderator: Mark D. Cipolle

- Measuring Coagulation
  Robert Gosselin
- Surgical Hemostasis
  Jeremy W. Cannon
- Blood Components
  Philip C. Spinella
- Pharmacotherapy
  Scott A. Chapman

10:00 A.M. – 11:00 A.M. ▪ Room: Exhibit Hall GH

Research Snapshot Theaters

(see pages 68-73 for all Research Snapshot Theaters)

11:00 A.M. – 12:00 P.M. ▪ Room: 31

Beyond the CLABSI and CAUTI Bundles: How to Get to Zero When Change Is Hard

Moderator: Melissa A. Miller

- Conversing With the Experts: Panel Discussion
  Patricia J. Posa, Kathleen M. Vollman, William S. Miles

11:00 A.M. – 12:00 P.M. ▪ Room: 29

Controversies in the Management of the Pediatric ECMO Patient *#PedsICU*

Moderators: Ana Lía Graciano, Ndidiamaka L. Musa

- Ventilator Management: Rest or Exercise the Lung
  Heidi J. Dalton
- Anticoagulation Strategies and Challenges in Neonatal and Pediatric ECMO
  Melania Bembea
- How to Deal With Acute Complications
  James D. Fortenberry

11:00 A.M. - 12:00 P.M. ▪ Room: Exhibit Hall GH

Critical Crosstalk Theater

(see page 28 for Critical Crosstalk Theater schedule)

11:00 A.M. – 12:00 P.M. ▪ Room: 30

Era of Bionic Patients: Total Artificial Heart and Assist Devices in ICU (Trainee-Friendly Session)

Moderator: Michael M. Koerner

- Intra-Aortic Balloon Pumping
  Jacob Gutsche
- Percutaneous Axial Flow Pump
  Sammy Zakaria
- Cardiac Assist Devices 101: What You Need to Know About LVADs and RVADs
  Onur Demirci

Program and faculty are subject to change.

11:00 A.M. – 12:00 P.M. ▪ Room: 33

Patient on Fire: Immune Activation Syndromes in the ICU

Moderator: Michael G.S. Shashaty

- HLH/MAS: An Inflammatory Runaway Train
  Surender Rajasekaran
- Chimeric Antigen Receptor T Cell-Associated Cytokine Storm
  Julie C. Fitzgerald
- Pulmonary-Renal Syndromes
  Kianoush Banaei-Kashani

11:00 A.M. – 12:00 P.M. ▪ Room: Hall F

Precision Immunomodulation for the Treatment of Severe Sepsis ***#Sepsis19***

Moderators: Elliott D. Crouser, Craig M. Coopersmith

- Clinical Manifestations of Sepsis: From Acute Inflammation to Prolonged Immunosuppression
  Hallie Prescott
- Better Care Through Better Science: The Role of Novel Immune Biomarkers
  Lyle L. Moldawer
- Infusing Precise Immunomodulation in Sepsis Into Trials
  Sachin Yende

11:00 A.M. – 12:00 P.M. ▪ Room: 28

Pro/Con Debate: Do Vitamin C and Thiamine Make a Difference? ***#CritCareControversies***

Moderator: Mary E. Lough

- Pro: Vitamin C: What Can't It Do?
  Michael Hooper
- Con: Vitamin C Cannot Do Everything
  Andre C. Kalil
- Pro: Thiamine: Evidence-Based Therapy or Fear of Missing Out?
  Michael W. Donnino
- Con: Thiamine: Evidence-Based Therapy or Fear of Missing Out?
  Krishnan Sriram

11:15 A.M. – 12:15 P.M. ▪ Room: Exhibit Hall GH

Research Snapshot Theaters

(see pages 68-73 for all Research Snapshot Theaters)

12:00 P.M. – 1:15 P.M. ▪ Room: 32

Additional registration required

Advanced Practice Providers Networking Luncheon

Moderators: Rhonda L. D'Agostino, Christopher Anderson

- Welcome and Introductions
- Table Topics:
  Billing
  Metrics
  Recruitment
  Development of APP Leaders
  Onboarding and Orientation
  Use of Simulation in Procedural Training
  Potpourri
- Table Discussion/Networking
- Table Highlights

12:15 P.M. - 1:15 P.M. ▪ Room: Upper Level Lobby

Roundtable Discussions

(see pages 8-10 for all Roundtable Discussions)

12:30 P.M. – 1:30 P.M. ▪ Room: Exhibit Hall GH

Research Snapshot Theaters

(see pages 68-73 for all Research Snapshot Theaters)

1:30 P.M. – 2:15 P.M. • Room: Hall F
PLENARY SESSION
WILLIAM SHOEMAKER HONORARY LECTURE
Did I Start the Opioid Epidemic?
Moderator: Steven Greenberg

Renee C.B. Manworren, PhD, RN-BC, APRN, PCNS-BC, AP-PMN, FAAN
Posy and Fred Love Chair in Nursing Research
Director of Nursing Research and Professional Practice
Ann & Robert H. Lurie Children's Hospital of Chicago
Associate Professor of Pediatrics
Northwestern University's Feinberg School of Medicine

2:15 P.M - 3:15 P.M. • Room: Exhibit Hall GH
Break

2:15 P.M. - 3:15 P.M. • Room: Upper Level Lobby
Roundtable Discussions
(see pages 8-10 for all Roundtable Discussions)

2:30 P.M. – 3:00 P.M. • Room: 32
SCCM Business Meeting

3:00 P.M. – 3:30 P.M. • Room: 32
ACCM Business Meeting

3:15 P.M. – 4:15 P.M. • Room: 30
How to Poison Your Patient in the ICU
Moderators: Fred Rincon, Peter N. Johnson
- How We Cause Withdrawal
  Scott Bolesta
- How We Miss Withdrawal
  Jeremiah J. Duby
- How We Fix Withdrawal
  Craig B. Whitman

3:15 P.M. – 4:15 P.M. • Room: 31
International Critical Care Trials Groups: What New Evidence Will Be Coming Down the Road? ***#SCCMDiscovery***
Moderator: Ognjen Gajic
- BRICNet
  Flavia R. Machado
- Saudi Critical Care Trials Group
  Yaseen Arabi
- Discovery Research Network
  Ognjen Gajic
- ANZICS Clinical Trials Group
  Sandra L. Peake

3:15 P.M. – 4:15 P.M. • Room: 28
Pro/Con Debate: Think Outside the ET Tube: Using Noninvasive Ventilation and High-Flow Nasal Cannulas ***#CritCareControversies***
Moderator: Michael G.S. Shashaty
- Noninvasive Ventilation: The Evidence
  Ronald G. Pearl
- High-Flow Nasal Cannula
  Richard D. Branson
- Case Studies: Applying the Evidence
  Michael G.S. Shashaty

3:15 P.M. – 4:15 P.M. • Room: 29
Year in Review: Pediatrics ***#PedsICU***
Moderator: David A. Turner
- Clinical Update
  Melania Bembea
- Research Update
  Nadir Yehya
- Quality/Safety Update
  Kyle J. Rehder

Program and faculty are subject to change.

3:15 P.M. – 4:15 P.M. • Room: Ballroom 20D

Year In Review: Pharmacy

Moderator: Tyree H. Kiser

- Get the Bugs Out: Emerging Strategies to Manage Multidrug-Resistant Organisms in the ICU
  Steven M. Lemieux
- Nutrition in Special ICU Populations: What's Your Gut Feeling?
  Amanda J. Giancarelli
- Don't Bypass the Knowledge: Updates in Cardiovascular Surgery Pharmacotherapy
  Matthew A. Wanat

3:15 P.M. – 5:15 P.M. • Room: Ballroom 20BC

Does My ICU Patient Need a Surgical Consult?

Moderator: Paul Wischmeyer

- Gut Ischemia: How, What, and Why
  Lewis J. Kaplan
- *Clostridium difficile:* Sparring With Spores
  Paula Ferrada
- Cholecystitis in the ICU: The Patient Has Gallstones; Is This the Cause of the Sepsis?
  Kaysie L. Banton
- Pancreatitis
  Steven B. Johnson
- Abdominal Compartment Syndrome
  Jose J. Diaz Jr

3:15 P.M. – 5:15 P.M. • Room: Ballroom 20A

Flipping the Switch on Bleeding: What's New in Anticoagulant Reversal

Moderator: Truman J. Milling

- Prevention of Perioperative Bleeding: Who Decides on the Approach?
  Joseph S. Meltzer
- Washed Over: Approach to the Care of the Bleeding Trauma Patient
  Samantha Gambles Farr
- Stopping the Clock: A Neurosciences Perspective
  Michael J. Erdman
- Translating Guidelines Into Clinical Practice
  Mark D. Cipolle
- Bedside Application of Reversal Agents
  Shaun Rowe

3:15 P.M. – 5:15 P.M. • Room: 33

Telemedicine Is Medicine, Tele-ICU Is ICU, Tele-Healthcare Is Healthcare ***Live Broadcast Sponsored by Philips***

Moderator: Donna L. Armaignac

- Why You Need a Tele-ICU
  Craig M. Lilly
- Expect to Maximize Positive Patient Outcomes
  Donna L. Armaignac
- Afferent Arm of ICU
  Timothy G. Buchman
- Telehealth Research Designs and Methods
  Jeremy M. Kahn
- Value of Investment: More Than Cost
  Michael H. Ries

3:15 P.M. – 5:15 P.M. • Room: Hall F

The Pathophysiology of Chronic Critical Illness: From Bench to Bedside

Moderator: James S. Killinger

- The Gut
  Craig M. Coopersmith
- The Kidney
  Azra Bihorac
- The Brain
  Thomas P. Bleck
- The Lung
  M. Elizabeth Wilcox
- The Bone Marrow
  Philip A. Efron

3:30 P.M. – 5:00 P.M. • Room: 32

ACCM Town Hall

Moderator: Julie Mayglothling Winkle

- Cardiovascular and Lung Ultrasound-Driven Assessment of Fluid Responsiveness: Should It Be Our Standard of Care in Shock Patients?
  Vi Am Dinh, Robert A. Ratzlaff
- Pediatric Sedation: Get Those Benzodiazepines Out of My PICU!
  Chani S. Traube, Ira M. Cheifetz

4:30 P.M. – 5:30 P.M. • Room: 30

ACCM Distinguished Investigator Award and SCCM-Weil Research and Discovery Grant Recipients

Moderator: Joy D. Howell

- ACCM Distinguished Investigator Presentation: Pain in ICU Patients: First Do No Harm
  Kathleen A. Puntillo
- SCCM-Weil Grant Recipient: The Psychological Impact of Inter-ICU Transfers
  Nandita R. Nadig
- SCCM-Weil Grant Recipient: Influence of Free Heme as a Red Blood Cell DAMP in Sepsis (RBC-DAMPS)
  Kenneth E. Remy

4:30 P.M. – 5:30 P.M. • Room: 29

Anticoagulation in the Pediatric ICU: When Do We Need It? *#PedsICU*

Moderators: Elizabeth S. Goswami

- We're Looking for Clots and Finding Them: Can We Actually Prevent Them?
  Dauryne L. Shaffer
- Monitoring Your Anticoagulation the One True Way!
  Edward V. Faustino
- I've Got a Clot, so Now What Do I Do?
  Peter N. Johnson

4:30 P.M. – 5:30 P.M. • Room: 31

Baby on My Brain: Neurologic Complications of the Peripartum

Moderator: Marie R. Baldisseri

- Life-Threatening Peripartum Brain Disorders
  Paul M. Vespa
- Supporting the Pregnant Comatose Patient
  Corrina Oxford
- Save the Baby Versus Save the Mother
  Marie R. Baldisseri

4:30 P.M. – 5:30 P.M. • Room: 28

Case Records of the Joint Trauma System: Critical Care Focus

Moderators: Kevin K. Chung, Jennifer M. Gurney

- Case Records of the Joint Trauma System: Critical Care Focus
  Panel

4:30 P.M. – 5:30 P.M. • Room: Ballroom 20D

Year In Review: Research

Moderators: Ahmed E. Badr, Sheila A. Alexander

- Cutting-Edge Simulation Research
  Lillian Liang Emlet
- Care Quality and Patient Safety Research
  Amanda M. Dawson

WEDNESDAY, FEBRUARY 20, 2019

8:15 A.M. – 9:00 A.M. • Room: Hall F

PLENARY SESSION

AKE GRENVIK HONORARY LECTURE

A View From the Edge: Creating a Culture of Caring

Moderator: Mary D. Still

Rana L. Awdish, MD, FACCP
Critical Care Physician
Director of the Pulmonary Hypertension Program
Henry Ford Hospital
Medical Director, Care Experience
Henry Ford Health System
Detroit, Michigan, USA

9:00 A.M. - 9:30 A.M. • Outside Hall F

Break

9:30 A.M. – 10:30 A.M. • Room: 31

Handoffs in Critical Care: How Can the Science Guide Us Toward Safer Care?

Moderator: Juliane Jablonski

- Handoffs and Patient Safety: ED or OR to ICU, and ICU to OR
  Meghan B. Lane-Fall
- Filling the Cracks in the Pavement: Handoffs in the ICU at Shift Change
  Michael F. O'Connor
- ICU Patient Transfers: Lapses and Errors
  Jacqueline Elegant

9:30 A.M. – 10:30 A.M. • Room: 30

Novel Trial Designs in Critical Care

Moderator: Todd W. Rice

- Response-Adaptive Clinical Trial Design for Critical Care
  Sandra L. Peake
- Pragmatic Clinical Trial Design for Critical Care
  Todd W. Rice
- Are the Results of Clinical Trials Generalizable? Comparison of Different Clinical Trial Designs
  Steve A. Webb

9:30 A.M. – 10:30 A.M. • Room: 29

Outcomes and Opportunities in the Pediatric ICU ***#PedsICU***

Moderator: Jason M. Kane

- Opioid Crises in Children
  Jason M. Kane
- Technology Dependence: A Consequence of Survival
  Maureen A. Madden
- Functional and Neurodevelopmental Outcomes in Survivors
  Martha A.Q. Curley

9:30 A.M. – 10:30 A.M. • Room: 33

Pro/Con Debate: Advances in Management of Chest Wall Trauma ***#CritCareControversies***

Moderator: Adam M. Shiroff

- Nonoperative Management of Chest Wall Injuries
  Rodney Gabriel
- Operative Management of Chest Wall Injuries
  Adam M. Shiroff

9:30 A.M. – 10:30 A.M. • Room: 28

Pro/Con Debate: Too Much of a Good Thing: Early Antibiotic Therapy in Sepsis ***#Sepsis19***

Moderator: Liz G. Ramos

- Absolutely: They Save Lives and Improve Outcomes
  Christopher W. Seymour
- Absolutely Not: The Hidden Consequences of Indiscriminate Antibiotic Therapy
  Mark E. Nunnally
- Early Antibiotics or Not: We Are Just Not Sure
  Mitchell M. Levy

9:30 A.M. – 10:30 A.M. ▪ Room: Hall F

Respiratory Failure in the Morbidly Obese Patient: From Intubation to Extubation

Moderator: Lorenzo Berra

- Emergency Airway Management in the Morbidly Obese Patient
  Louis Brusco Jr
- Mechanical Ventilation in the Morbidly Obese Patient
  Richard D. Branson
- Extubation in the Morbidly Obese Patient
  Ulrich Schmidt

9:30 A.M. – 10:30 A.M. ▪ Room: Ballroom 20BC

Successful ICU Ultrasound Program Development: A Meaningful Journey Needs a Reliable Vessel

Moderators: Jose L. Diaz-Gomez

- Earning Your Wings: Certification in Critical Care Ultrasound
  Antonio Hernandez
- Earning Your Keep: Credentialing in Critical Care Ultrasound
  Aliaksei Pustavoitau

9:30 A.M. – 10:30 A.M. ▪ Room: Ballroom 20D

Who Wants to Be Boss?

Moderator: Sergio L. Zanotti-Cavazzoni

- On Becoming a Leader in Your Hospital System
  Jeffery S. Vender
- On Becoming a Leader in Your National Society Organization
  Judith Jacobi
- On Becoming a Leader in Your Clinical Practice
  Stephanie L. Pieroni

9:30 A.M. – 11:30 A.M. ▪ Room: Ballroom 20A

Right Ventricular Failure: New Concepts, New Therapies

Moderator: Kevin W. Hatton

- Pathophysiology of Acute Right Heart Failure
  Steven M. Hollenberg
- Evaluation of Right Ventricular Function
  Laura Mercer-Rosa
- Pharmacologic Therapy for Right Ventricular Failure
  Cliff Greyson
- Mechanical Circulatory Support for the Failing Right Ventricle
  Jacob C. Jentzer

10:45 A.M. – 11:45 A.M. ▪ Room: 30

Assessing and Addressing Antimicrobial Allergies in the ICU

Moderator: Kathryn R. Matthias

- The Path of Least Resistance: Collateral Damage
  Alejandro C. Arroliga
- Mysteries of History: Decoding Patient Drug Allergies
  Monica Donnelley
- Demystifying Drug Desensitization: Who, When, and How
  Barbara A. Birriel

10:45 A.M. – 11:45 A.M. ▪ Room: Ballroom 20BC

Clot and Bleed: Challenging Situations in DVT Prophylaxis

Moderator: Caroline Der-Nigoghossian

- When to Initiate DVT Prophylaxis in the Coagulopathic Patient
  Tyree H. Kiser
- Procedures that Make Me Stop DVT Prophylaxis
  Deborah A. Kuhls
- What Patient Weight Makes Me Cringe When Using Prophylaxis
  Scott W. Mueller

Program and faculty are subject to change.

10:45 A.M. – 11:45 A.M. • Room: 31

FLIPPED CLASSROOM *CHECK APP FOR PRE-SESSION READING*

Diagnostic Errors in the ICU: The Hidden Epidemic

Moderator: Rahul S. Nanchal

- How Do We Define and Recognize Diagnostic Errors?
  Paul Bergl
- The Epidemiology and Consequences of Diagnostic Errors in the ICU
  Christina L. Cifra
- Reporting and Preventing Diagnostic Errors in the ICU
  Mary Jo C. Grant

10:45 A.M. – 11:45 A.M. • Room: 33

Measures and Metrics and Mayhem

Moderators: Sean R. Townsend, Jennifer A. LaRosa

- Are Metrics Measuring Our Delivered Care?
  Donna L. Armaignac
- What CMS Finds Important
  Emanuel P. Rivers
- Unintended Consequences of Measure Enforcement
  John W. Devlin

10:45 A.M. – 11:45 A.M. • Room: 29

Negotiating for Better Outcomes in Your ICU

Moderator: Derek S. Wheeler

- General Negotiation Skills
  Jeffery S. Vender
- Specific Negotiation Skills as They Relate to Obtaining Resources in the Pediatric ICU
  Derek S. Wheeler

10:45 A.M. – 11:45 A.M. • Room: Ballroom 20D

Open It Now!

Moderator: Bracken Burns

- Identification of Acute Surgical Abdomen in the ICU and Surgical Options
  Scott C. Brakenridge
- Management of the Open Surgical Abdomen in the ICU
  Douglas Schuerer
- Nursing Management of the Open Abdomen in the ICU
  John J. Gallagher

10:45 A.M. – 11:45 A.M. • Room: 28

Pro/Con Debate: Mechanical Ventilation in the Hot Seat ***#CritCareControversies***

Moderator: Ronald G. Pearl

- Pro/Con Debate: Driving Pressure: Is It the Holy Grail?
  Richard D. Branson
- Pro/Con Debate: Recruitment Maneuvers: Absolutely and All the Time?
  Maurizio Cereda

10:45 A.M. – 11:45 A.M. • Room: Hall F

Will These Controversies in Sepsis Ever End? Which Vasopressor Do I Use? ***#Sepsis19***

Moderator: Patricia L. Parker

- Just High-Dose Norepinephrine
  Steven M. Hollenberg
- Adding Vasopressin Early
  Angel Coz
- Time to Add Angiotensin
  Joseph E. Parrillo

RESEARCH SNAPSHOT THEATERS

Presentations will be held in designated sections of Exhibit Hall GH. Abstract titles and authors are available in the Congress App.

TIMES	SESSION TITLE	ABSTRACT #
Sunday, February 17, 2019		
Theater 1		
10:00 a.m. – 11:00 a.m.	Administration I	100-107
11:15 a.m. – 12:15 p.m.	Administration II	108-115
12:30 p.m. – 1:30 p.m.	Immunology	532-539
3:00 p.m. – 3:45 p.m.	Administration, Adult and Pediatric	116-121
Theater 2		
10:00 a.m. – 11:00 a.m.	Cardiovascular I	122-129
11:15 a.m. – 12:15 p.m.	Cardiovascular II	130-137
12:30 p.m. – 1:30 p.m.	Cardiovascular III	138-145
3:00 p.m. – 3:45 p.m.	Cardiovascular XIV	227-231
Theater 3		
10:00 a.m. – 11:00 a.m.	Cardiovascular, Pediatric I	239-246
11:15 a.m. – 12:15 p.m.	Cardiovascular, Pediatric II	247-254
12:30 p.m. – 1:30 p.m.	Cardiovascular, Pediatric III	255-261
3:00 p.m. – 3:45 p.m.	Shock, Pediatric	1731-1735
Theater 4		
10:00 a.m. – 11:00 a.m.	Ethics, Pediatric	417-424
11:15 a.m. – 12:15 p.m.	Gastrointestinal/Nutrition, Pediatric I	453-460
12:30 p.m. – 1:30 p.m.	Gastrointestinal/Nutrition, Pediatric II	461-468
3:00 p.m. – 3:45 p.m.	Epidemiology, Pediatric IV	387-392
Theater 5		
10:00 a.m. – 11:00 a.m.	Pulmonary, Pediatric I	1195-1202
11:15 a.m. – 12:15 p.m.	Pulmonary, Pediatric II	1203-1211
12:30 p.m. – 1:30 p.m.	Pulmonary, Pediatric III	1212-1219
3:00 p.m. – 3:45 p.m.	Resuscitation, Pediatric I	1532-1537
Theater 6		
10:00 a.m. – 11:00 a.m.	Infectious Disease I	548-556
11:15 a.m. – 12:15 p.m.	Infectious Disease II	557-564
12:30 p.m. – 1:30 p.m.	Infectious Disease III	565-572
3:00 p.m. – 3:45 p.m.	Renal, Pediatric	1467-1472
Theater 7		
10:00 a.m. – 11:00 a.m.	Neuroscience I	691-698
11:15 a.m. – 12:15 p.m.	Neuroscience II	699-706
12:30 p.m. – 1:30 p.m.	Neuroscience III	707-714
3:00 p.m. – 3:45 p.m.	Integument	686-690
Theater 8		
10:00 a.m. – 11:00 a.m.	Professional Development I	1052-1058
11:15 a.m. – 12:15 p.m.	Professional Development II	1059-1065
12:30 p.m. – 1:30 p.m.	Professional Development III	1066-1073
3:00 p.m. – 3:45 p.m.	Obstetrics	810-815
Theater 9		
10:00 a.m. – 11:00 a.m.	Pharmacy I	843-850
11:15 a.m. – 12:15 p.m.	Pharmacy II	851-858
12:30 p.m. – 1:30 p.m.	Pharmacy III	859-866
3:00 p.m. – 3:45 p.m.	Trauma IX	1798-1803

RESEARCH SNAPSHOT THEATERS

Presentations will be held in designated sections of Exhibit Hall GH. Abstract titles and authors are available in the Congress App.

TIMES	SESSION TITLE	ABSTRACT #
Sunday, February 17, 2019, Continued		
Theater 10		
10:00 a.m. – 11:00 a.m.	Hematology I	477-484
11:15 a.m. – 12:15 p.m.	Hematology II	485-492
12:30 p.m. – 1:30 p.m.	Hematology III	494-500
3:00 p.m. – 3:45 p.m.	Infectious Disease XIV	656-661
Theater 11		
10:00 a.m. – 11:00 a.m.	Pulmonary I	1074-1081
11:15 a.m. – 12:15 p.m.	Pulmonary II	1082-1089
12:30 p.m. – 1:30 p.m.	Pulmonary III	1090-1097
3:00 p.m. – 3:45 p.m.	Neuroscience XI	772-777
Theater 12		
10:00 a.m. – 11:00 a.m.	Procedures I	994-1001
11:15 a.m. – 12:15 p.m.	Procedures II	1002-1010
12:30 p.m. – 1:30 p.m.	Procedures III	1011-1018
3:00 p.m. – 3:45 p.m.	Sepsis, Pediatric I	1669-1674
Theater 13		
10:00 a.m. – 11:00 a.m.	Quality and Patient Safety I	1246-1254
11:15 a.m. – 12:15 p.m.	Quality and Patient Safety II	1255-1262
12:30 p.m. – 1:30 p.m.	Quality and Patient Safety III	1263-1271
3:00 p.m. – 3:45 p.m.	Sepsis XV	1664-1668
Theater 14		
10:00 a.m. – 11:00 a.m.	Resuscitation I	1473-1480
11:15 a.m. – 12:15 p.m.	Resuscitation II	1481-1488
12:30 p.m. – 1:30 p.m.	Resuscitation III	1489-1495
3:00 p.m. – 3:45 p.m.	Trauma I	1736-1741
Theater 15		
10:00 a.m. – 11:00 a.m.	Sepsis I	1554-1561
11:15 a.m. – 12:15 p.m.	Sepsis II	1562-1569
12:30 p.m. – 1:30 p.m.	Sepsis III	1570-1577
3:00 p.m. – 3:45 p.m.	Sepsis IV	1578-1583
Theater 16		
10:00 a.m. – 11:00 a.m.	Gastrointestinal/Nutrition I	425-431
11:15 a.m. – 12:15 p.m.	Gastrointestinal/Nutrition II	432-438
12:30 p.m. – 1:30 p.m.	Gastrointestinal/Nutrition III	439-446
3:00 p.m. – 3:45 p.m.	Gastrointestinal/Nutrition IV	447-452
Theater 17		
10:00 a.m. – 11:00 a.m.	Pulmonary XIII	1170-1177
11:15 a.m. – 12:15 p.m.	Infectious Disease XIII	647-655
12:30 p.m. – 1:30 p.m.	Patient and Family Support II	834-842
3:00 p.m. – 3:45 p.m.	Renal IV	1460-1466
Monday, February 18, 2019		
Theater 1		
8:45 a.m. – 9:45 a.m.	Endocrine I	287-293
10:00 a.m. – 11:00 a.m.	Endocrine II	294-300
11:15 a.m. – 12:15 p.m.	Epidemiology I	315-322
12:30 p.m. – 1:30 p.m.	Epidemiology II	323-330
2:30 p.m. – 3:30 p.m.	Epidemiology III	331-338

Continued on page 70

RESEARCH SNAPSHOT THEATERS

Presentations will be held in designated sections of Exhibit Hall GH. Abstract titles and authors are available in the Congress App.

TIMES	SESSION TITLE	ABSTRACT #
Monday, February 18, 2019, Continued		
Theater 2		
8:45 a.m. – 9:45 a.m.	Cardiovascular IV	146-153
10:00 a.m. – 11:00 a.m.	Cardiovascular V	154-161
11:15 a.m. – 12:15 p.m.	Cardiovascular VI	162-169
12:30 p.m. – 1:30 p.m.	Cardiovascular VII	170-177
2:30 p.m. – 3:30 p.m.	Cardiovascular VIII	178-185
Theater 3		
8:45 a.m. – 9:45 a.m.	Cardiovascular, Pediatric IV	263-270
10:00 a.m. – 11:00 a.m.	Cardiovascular, Pediatric V	271-278
11:15 a.m. – 12:15 p.m.	Cardiovascular, Pediatric VI	279-286
12:30 p.m. – 1:30 p.m.	Cardiovascular and Disaster	232-238
2:30 p.m. – 3:30 p.m.	Pulmonary, Pediatric IV	1220-1228
Theater 4		
8:45 a.m. – 9:45 a.m.	Hematology/Cardiovascular	469-476
10:00 a.m. – 11:00 a.m.	Hematology IV	501-508
11:15 a.m. – 12:15 p.m.	Hematology, Pediatric I	509-516
12:30 p.m. – 1:30 p.m.	Hematology, Pediatric II	517-524
2:30 p.m. – 3:30 p.m.	Hematology, Pediatric III	525-531
Theater 5		
8:45 a.m. – 9:45 a.m.	Neuroscience, Pediatric I	778-785
10:00 a.m. – 11:00 a.m.	Neuroscience, Pediatric II	786-793
11:15 a.m. – 12:15 p.m.	Neuroscience, Pediatric III	794 -801
12:30 p.m. – 1:30 p.m.	Neuroscience, Pediatric IV	802-809
2:30 p.m. – 3:30 p.m.	Trauma, Pediatric	1804-1812
Theater 6		
8:45 a.m. – 9:45 a.m.	Infectious Disease IV	573-580
10:00 a.m. – 11:00 a.m.	Infectious Disease V	581-589
11:15 a.m. – 12:15 p.m.	Infectious Disease VI	590-597
12:30 p.m. – 1:30 p.m.	Infectious Disease VII	598-606
2:30 p.m. – 3:30 p.m.	Infectious Disease VIII	607-614
Theater 7		
8:45 a.m. – 9:45 a.m.	Neuroscience IV	715-722
10:00 a.m. – 11:00 a.m.	Neuroscience V	723-730
11:15 a.m. – 12:15 p.m.	Neuroscience VI	731-738
12:30 p.m. – 1:30 p.m.	Neuroscience VII	739-747
2:30 p.m. – 3:30 p.m.	Neuroscience VIII	748-755
Theater 8		
8:45 a.m. – 9:45 a.m.	Ethics I	393-400
10:00 a.m. – 11:00 a.m.	Ethics II	401-408
11:15 a.m. – 12:15 p.m.	Ethics III	409-416
12:30 p.m. – 1:30 p.m.	Quality and Patient Safety XIV	1351-1358
2:30 p.m. – 3:30 p.m.	Quality and Patient Safety XV	1359-1366
Theater 9		
8:45 a.m. – 9:45 a.m.	Pharmacy IV	867-874
10:00 a.m. – 11:00 a.m.	Pharmacy V	875-882
11:15 a.m. – 12:15 p.m.	Pharmacy VI	883-891
12:30 p.m. – 1:30 p.m.	Pharmacy VII	892-899
2:30 p.m. – 3:30 p.m.	Pharmacy VIII	900-907

RESEARCH SNAPSHOT THEATERS

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TIMES	SESSION TITLE	ABSTRACT #
Monday, February 18, 2019, Continued		
Theater 10		
8:45 a.m. – 9:45 a.m.	Pulmonary XIV	1178-1186
10:00 a.m. – 11:00 a.m.	Pulmonary XV	1187-1194
11:15 a.m. – 12:15 p.m.	Quality and Patient Safety XXI	1407-1414
12:30 p.m. – 1:30 p.m.	Quality and Patient Safety XXII	1415-1422
2:30 p.m. – 3:30 p.m.	Quality and Patient Safety XXIII	1423-1430
Theater 11		
8:45 a.m. – 9:45 a.m.	Pulmonary IV	1098-1105
10:00 a.m. – 11:00 a.m.	Pulmonary V	1106-1113
11:15 a.m. – 12:15 p.m.	Pulmonary VI	1114-1121
12:30 p.m. – 1:30 p.m.	Pulmonary VII	1122-1129
2:30 p.m. – 3:30 p.m.	Pulmonary VIII	1130-1137
Theater 12		
8:45 a.m. – 9:45 a.m.	Procedures IV	1019-1027
10:00 a.m. – 11:00 a.m.	Sepsis, Pediatric II	1675-1682
11:15 a.m. – 12:15 p.m.	Sepsis, Pediatric III	1683-1689
12:30 p.m. – 1:30 p.m.	Sepsis, Pediatric IV	1690-1697
2:30 p.m. – 3:30 p.m.	Sepsis XIV	1656-1663
Theater 13		
8:45 a.m. – 9:45 a.m.	Quality and Patient Safety IV	1272-1279
10:00 a.m. – 11:00 a.m.	Quality and Patient Safety V	1280-1286
11:15 a.m. – 12:15 p.m.	Quality and Patient Safety VI	1287-1294
12:30 p.m. – 1:30 p.m.	Quality and Patient Safety VII	1295-1302
2:30 p.m. – 3:30 p.m.	Quality and Patient Safety VIII	1303-1310
Theater 14		
8:45 a.m. – 9:45 a.m.	Resuscitation IV	1496-1502
10:00 a.m. – 11:00 a.m.	Resuscitation V	1503-1509
11:15 a.m. – 12:15 p.m.	Resuscitation VI	1510-1516
12:30 p.m. – 1:30 p.m.	Resuscitation VII	1517-1524
2:30 p.m. – 3:30 p.m.	Resuscitation VIII	1525-1531
Theater 15		
8:45 a.m. – 9:45 a.m.	Sepsis V	1584-1591
10:00 a.m. – 11:00 a.m.	Sepsis VI	1592-1599
11:15 a.m. – 12:15 p.m.	Sepsis VII	1600-1607
12:30 p.m. – 1:30 p.m.	Sepsis VIII	1608-1615
2:30 p.m. – 3:30 p.m.	Sepsis IX	1616-1623
Theater 16		
8:45 a.m. – 9:45 a.m.	Trauma II	1742-1749
10:00 a.m. – 11:00 a.m.	Trauma III	1750-1757
11:15 a.m. – 12:15 p.m.	Trauma IV	1758-1765
12:30 p.m. – 1:30 p.m.	Trauma V	1766-1773
2:30 p.m. – 3:30 p.m.	Trauma VI	1774-1781
Theater 17		
8:45 a.m. – 9:45 a.m.	Epidemiology, Pediatric III	379-386
10:00 a.m. – 11:00 a.m.	Infectious Disease, Pediatric III	677-685
11:15 a.m. – 12:15 p.m.	Procedures, Pediatric III	1044-1051
12:30 p.m. – 1:30 p.m.	Endocrine, Pediatric	308-314
2:30 p.m. – 3:30 p.m.	Pharmacy XIII	940-947

Continued on page 72

RESEARCH SNAPSHOT THEATERS

Presentations will be held in designated sections of Exhibit Hall GH. Abstract titles and authors are available in the Congress App.

TIMES	SESSION TITLE	ABSTRACT #
Tuesday, February 19, 2019		
Theater 1		
8:45 a.m. – 9:45 a.m.	Epidemiology IV	339-346
10:00 a.m. – 11:00 a.m.	Epidemiology V	347-354
11:15 a.m. – 12:15 p.m.	Epidemiology VI	355-362
12:30 p.m. – 1:30 p.m.	Endocrine, Adult and Pediatric	301-307
Theater 2		
8:45 a.m. – 9:45 a.m.	Cardiovascular IX	186-193
10:00 a.m. – 11:00 a.m.	Cardiovascular X	194-201
11:15 a.m. – 12:15 p.m.	Cardiovascular XI	202-210
12:30 p.m. – 1:30 p.m.	Cardiovascular XII	211-218
Theater 3		
8:45 a.m. – 9:45 a.m.	Pulmonary, Pediatric V	1229-1236
10:00 a.m. – 11:00 a.m.	Pulmonary, Pediatric VI	1237-1245
11:15 a.m. – 12:15 p.m.	Epidemiology, Pediatric I	363-370
12:30 p.m. – 1:30 p.m.	Epidemiology, Pediatric II	371-378
Theater 4		
8:45 a.m. – 9:45 a.m.	Resuscitation, Pediatric II	1538-1545
10:00 a.m. – 11:00 a.m.	Resuscitation, Pediatric III	1546-1553
11:15 a.m. – 12:15 p.m.	Infectious Disease, Pediatric I	662-668
12:30 p.m. – 1:30 p.m.	Infectious Disease, Pediatric II	669-676
Theater 5		
8:45 a.m. – 9:45 a.m.	Pharmacy, Pediatric I	970-977
10:00 a.m. – 11:00 a.m.	Pharmacy, Pediatric II	978-985
11:15 a.m. – 12:15 p.m.	Pharmacy, Pediatric III	986-993
12:30 p.m. – 1:30 p.m.	Patient and Family Support, Pediatric	816-824
Theater 6		
8:45 a.m. – 9:45 a.m.	Infectious Disease IX	615-622
10:00 a.m. – 11:00 a.m.	Infectious Disease X	623-630
11:15 a.m. – 12:15 p.m.	Infectious Disease XI	631-638
12:30 p.m. – 1:30 p.m.	Infectious Disease XII	639-646
Theater 7		
8:45 a.m. – 9:45 a.m.	Neuroscience IX	756-763
10:00 a.m. – 11:00 a.m.	Neuroscience X	764-771
11:15 a.m. – 12:15 p.m.	Immunology, Adult and Pediatric	540-547
12:30 p.m. – 1:30 p.m.	Patient and Family Support I	825-833
Theater 8		
8:45 a.m. – 9:45 a.m.	Quality and Patient Safety XVI	1367-1374
10:00 a.m. – 11:00 a.m.	Quality and Patient Safety XVII	1375-1382
11:15 a.m. – 12:15 p.m.	Quality and Patient Safety XVIII	1383-1390
12:30 p.m. – 1:30 p.m.	Quality and Patient Safety XIX	1391-1398
Theater 9		
8:45 a.m. – 9:45 a.m.	Pharmacy IX	908-915
10:00 a.m. – 11:00 a.m.	Pharmacy X	916-923
11:15 a.m. – 12:15 p.m.	Pharmacy XI	924-931
12:30 p.m. – 1:30 p.m.	Pharmacy XII	932-939

RESEARCH SNAPSHOT THEATERS

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TIMES	SESSION TITLE	ABSTRACT #
Tuesday, February 19, 2019, Continued		
Theater 10		
8:45 a.m. – 9:45 a.m.	Quality and Patient Safety XXIV	1431-1438
10:00 a.m. – 11:00 a.m.	Renal I	1439-1445
11:15 a.m. – 12:15 p.m.	Renal II	1446-1452
12:30 p.m. – 1:30 p.m.	Renal III	1453-1459
Theater 11		
8:45 a.m. – 9:45 a.m.	Pulmonary IX	1138-1145
10:00 a.m. – 11:00 a.m.	Pulmonary X	1146-1153
11:15 a.m. – 12:15 p.m.	Pulmonary XI	1154-1161
12:30 p.m. – 1:30 p.m.	Pulmonary XII	1162-1169
Theater 12		
8:45 a.m. – 9:45 a.m.	Veterinary I	1813-1820
10:00 a.m. – 11:00 a.m.	Veterinary II/Potpourri	1821-1831
11:15 a.m. – 12:15 p.m.	Procedures, Pediatric I	1028-1035
12:30 p.m. – 1:30 p.m.	Procedures, Pediatric II	1036-1043
Theater 13		
8:45 a.m. – 9:45 a.m.	Quality and Patient Safety IX	1311-1318
10:00 a.m. – 11:00 a.m.	Quality and Patient Safety X	1319-1326
11:15 a.m. – 12:15 p.m.	Quality and Patient Safety XI	1327-1334
12:30 p.m. – 1:30 p.m.	Quality and Patient Safety XII	1335-1342
Theater 14		
8:45 a.m. – 9:45 a.m.	Pharmacy XIV	948-955
10:00 a.m. – 11:00 a.m.	Pharmacy XV	956-962
11:15 a.m. – 12:15 p.m.	Pharmacy XVI	963-969
12:30 p.m. – 1:30 p.m.	Shock I	1698-1705
Theater 15		
8:45 a.m. – 9:45 a.m.	Sepsis X	1624-1631
10:00 a.m. – 11:00 a.m.	Sepsis XI	1632-1639
11:15 a.m. – 12:15 p.m.	Sepsis XII	1640-1647
12:30 p.m. – 1:30 p.m.	Sepsis XIII	1648-1655
Theater 16		
8:45 a.m. – 9:45 a.m.	Trauma VII	1782-1789
10:00 a.m. – 11:00 a.m.	Trauma VIII	1790-1797
11:15 a.m. – 12:15 p.m.	Shock II	1706-1714
12:30 p.m. – 1:30 p.m.	Shock III	1715-1722
Theater 17		
8:45 a.m. – 9:45 a.m.	Cardiovascular XIII	219-226
10:00 a.m. – 11:00 a.m.	Quality and Patient Safety XIII	1343-1350
11:15 a.m. – 12:15 p.m.	Quality and Patient Safety XX	1399-1406
12:30 p.m. – 1:30 p.m.	Shock IV	1723-1730

BUSINESS AND ANCILLARY MEETINGS

All SCCM members interested in attending SCCM committee meetings during Congress are welcome to attend. However, because committees have previously developed agendas for discussion, non-committee members are respectfully asked to refrain from participation until the committee chairperson invites open comments from non-committee members. On rare occasions some committees require privacy to complete their tasks. In these cases, non-committee members will be excused from the meeting, at the discretion of the committee chairperson. To apply for formal appointment to an SCCM committee, visit sccm.org/Member-Center/Volunteers.

Meeting Name	Start Time	End Time	Venue	Room
Thursday, February 14, 2019				
Executive Committee Meeting	12:00 PM	4:00 PM	Hilton Bayfront	Indigo 204A
Friday, February 15, 2019				
Council Meeting	7:00 AM	4:00 PM	Hilton Bayfront	Indigo Ballroom Salon H
Saturday, February 16, 2019				
ACCM Board of Regents Meeting	7:30 AM	5:00 PM	Hilton Bayfront	Aqua Ballroom Salon AB
Board of Pharmacy Specialties Critical Care Item Writing Workshop	8:00 AM	5:00 PM	Hilton Bayfront	Cobalt 500
New Council Member Orientation	1:00 PM	2:30 PM	Convention Center	21
Clinical Pharmacy and Pharmacology Section Pre-Congress Forum	1:00 PM	3:00 PM	Hilton Bayfront	Sapphire Ballroom Salon A
Clinical Pharmacy and Pharmacology Section New Members and First Congress Attendees Orientation	3:00 PM	4:00 PM	Hilton Bayfront	Sapphire Ballroom Salon A
Program Committee Meeting	3:00 PM	6:00 PM	Convention Center	27
Fundamentals Program Reception	5:30 PM	6:30 PM	Convention Center	East Terrace Outside Ballroom 30
Respiratory Care Section Reception	6:00 PM	7:30 PM	Hilton Bayfront	Sapphire Ballroom Salon M
Clinical Pharmacy and Pharmacology Section Reception	6:00 PM	8:00 PM	Hilton Bayfront	Sapphire Ballroom Salon E
Sunday, February 17, 2019				
Clinical Pharmacy and Pharmacology Section Steering Committee and Strategic Planning Committee Meeting	6:00 AM	9:00 AM	Hilton Bayfront	Aqua Salon D
ACCM Fellowship Services Committee Meeting	7:00 AM	8:00 AM	Convention Center	23A
Clinical Pharmacy and Pharmacology Section Practice Advancement Meeting	7:00 AM	8:00 AM	Hilton Bayfront	Sapphire 411
Nursing Section Steering Committee Meeting	7:00 AM	8:00 AM	Omni	Gaslamp 2
Research Section Basic and Translational Subcommittee Meeting	7:00 AM	8:00 AM	Omni	Gaslamp 4

BUSINESS AND ANCILLARY MEETINGS

Meeting Name	Start Time	End Time	Venue	Room
Sunday, February 17, 2019, Continued				
In-Training Section Steering Committee Meeting	9:30 AM	10:30 AM	Omni	Gaslamp 2
Scientific Review Committee Meeting	9:30 AM	10:30 AM	Convention Center	23A
Surgery Section Strategic Planning Committee Meeting	9:30 AM	10:30 AM	Omni	Gaslamp 5
Nursing Section Business Meeting, Shark Bait, and Member Breakfast Reception *Sponsored by Abbott Nutrition*	9:30 AM	11:00 AM	Omni	Gallery 1
Critical Care Ultrasound, Adult, Committee Meeting	9:45 AM	10:45 AM	Hilton Bayfront	Indigo 204A
New Member Orientation and Chapters Alliance Business Meeting	9:45 AM	12:15 PM	Convention Center	23C
Neuroscience Section Steering Committee Meeting	10:00 AM	11:00 AM	Omni	Gaslamp 3
Research Section Education and Simulation Subcommittee Meeting	10:00 AM	11:00 AM	Omni	Gaslamp 4
FCCS Program Committee Business Meeting	10:00 AM	11:30 AM	Hilton Bayfront	Indigo 202
Liver Management Guidelines Business Meeting	10:00 AM	12:00 PM	Hilton Bayfront	Aqua Salon C
Anesthesiology Section Communications Committee Meeting	11:00 AM	12:00 PM	Omni	Grand Ballroom Salon A
Critical Care Ultrasound, Pediatric and Neonatal, Committee Meeting	11:00 AM	12:00 PM	Hilton Bayfront	Indigo 204A
Physician Assistant Section Steering Committee Meeting	11:00 AM	12:00 PM	Omni	Gaslamp 2
Research Section Communications Subcommittee Meeting	11:00 AM	12:00 PM	Omni	Gaslamp 4
Neuroscience Business Meeting and Luncheon Reception *Sponsored by CoapTech*	11:00 AM	1:00 PM	Omni	Grand Ballroom Salon B
Clinical Pharmacy and Pharmacology Section Education Committee Meeting	11:30 AM	12:30 PM	Hilton Bayfront	Sapphire 411
FCCS: Obstetrics Committee Business Meeting	11:30 AM	12:30 PM	Hilton Bayfront	Indigo 202
Anesthesiology Section Steering Committee Meeting	12:00 PM	1:00 PM	Omni	Grand Ballroom Salon A
ESICM SCCM Joint Societies Meeting	12:00 PM	1:00 PM	Convention Center	26A
Physician Assistant Section Business Meeting	12:00 PM	1:00 PM	Omni	Gallery 3
Research Section ICU Quality and Patient Safety Subcommittee Meeting	12:00 PM	1:00 PM	Omni	Gaslamp 4
Chapters Alliance Executive Committee Meeting	12:30 PM	1:30 PM	Convention Center	23C

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BUSINESS AND ANCILLARY MEETINGS

Meeting Name	Start Time	End Time	Venue	Room
Sunday, February 17, 2019, Continued				
Clinical Pharmacy and Pharmacology Section Research and Scholarship Committee Meeting	12:30 PM	1:30 PM	Hilton Bayfront	Sapphire 411
Current Concepts in Critical Care, Adult, Committee Meeting	12:45 PM	1:45 PM	Hilton Bayfront	Indigo 204A
Assessment and Knowledge Committee Business Meeting	1:00 PM	1:45 PM	Hilton Bayfront	Aqua Boardroom
Anesthesiology Section Business Meeting	1:00 PM	2:00 PM	Omni	Gallery 2
FDM Program Committee Business Meeting	1:00 PM	2:00 PM	Hilton Bayfront	Indigo 202
Nursing Section Communications Committee Meeting	1:00 PM	2:00 PM	Omni	Gallery 3
Pediatrics Section Resident Education and Recruitment Committee Meeting	1:00 PM	2:00 PM	Omni	Grand Ballroom Salon D
Research Section Clinical and Epidemiology Subcommittee Meeting	1:00 PM	2:00 PM	Omni	Gaslamp 4
Surviving Sepsis Campaign Executive Committee	1:00 PM	2:00 PM	Convention Center	26A
THRIVE PICS Consensus Conference Planning Meeting	1:00 PM	2:00 PM	Convention Center	23B
Respiratory Care Section Business Meeting and Luncheon	1:00 PM	2:30 PM	Omni	Gaslamp 3
Pediatric PADIS Guidelines Business Meeting	1:00 PM	5:00 PM	Convention Center	21
Surviving Sepsis Campaign Steering Committee	2:00 PM	3:00 PM	Convention Center	26A
Adult MCCKAP Committee Business Meeting	3:00 PM	3:45 PM	Hilton Bayfront	Aqua 310
Carolinas/Virginias Chapter Business Meeting	3:00 PM	4:00 PM	Omni	Grand Ballroom Salon D
Clinical Pharmacy and Pharmacology Section Patient Safety Committee Meeting	3:00 PM	4:00 PM	Hilton Bayfront	Sapphire 411
FCCS Program, Pediatric, Committee Business Meeting	3:00 PM	4:00 PM	Hilton Bayfront	Indigo 202
Florida Chapter Business Meeting	3:00 PM	4:00 PM	Omni	Grand Ballroom Salon A
In-Training Section Business Meeting	3:00 PM	4:00 PM	Omni	Grand Ballroom Salon C
North Central Chapter Business Meeting	3:00 PM	4:00 PM	Omni	Balboa 2
Northeast Chapter Business Meeting	3:00 PM	4:00 PM	Omni	Gaslamp 3
Patient and Family Support Committee Meeting	3:00 PM	4:00 PM	Convention Center	23A
Research Section Steering Committee Meeting	3:00 PM	4:00 PM	Omni	Gaslamp 4
Southern California Chapter Business Meeting	3:00 PM	4:00 PM	Omni	Grand Ballroom Salon E

BUSINESS AND ANCILLARY MEETINGS

Meeting Name	Start Time	End Time	Venue	Room
Sunday, February 17, 2019, Continued				
Surgery Section Steering Committee Meeting	3:00 PM	4:00 PM	Omni	Gaslamp 5
ICU Design Award Committee Meeting	3:00 PM	5:00 PM	Hilton Bayfront	Aqua Salon AB
Nursing Section Membership Committee, Congress First-Time Attendees, and Communication and Recognition Committee Meeting	3:00 PM	5:00 PM	Omni	Gallery 3
Surviving Sepsis Campaign, Adult, Guidelines Revision Business Meeting	3:00 PM	5:00 PM	Hilton Bayfront	Aqua Salon C
Pediatric MCCKAP Committee Business Meeting	4:00 PM	4:45 PM	Hilton Bayfront	Aqua 310
Current Concepts in Critical Care, Pediatric, Committee Meeting	4:00 PM	5:00 PM	Hilton Bayfront	Indigo 204A
Fundamentals Leadership Committee Business Meeting	4:00 PM	5:00 PM	Hilton Bayfront	Indigo 202
Research Section Business Meeting	4:00 PM	5:00 PM	Omni	Gallery 1
Surgery Section Business Meeting	4:00 PM	5:00 PM	Omni	Gallery 2
Clinical Pharmacy and Pharmacology Section Recruitment Exchange Committee Meeting	4:00 PM	6:00 PM	Hilton Bayfront	Indigo Ballroom Salons AE
Industry Reception	4:30 PM	5:30 PM	Hilton Bayfront	Indigo CG
Cooper Health University Alumni Reception	4:30 PM	6:30 PM	Rockin' Baja Lobster	N/A
Anesthesiology Section Reception	5:00 PM	6:30 PM	Hilton Bayfront	Sapphire 400
In-Training Section Reception	5:00 PM	6:30 PM	Hilton Bayfront	Indigo 204B
Discovery Oversight Committee Meeting	5:00 PM	7:00 PM	Hilton Bayfront	TBD
Pediatrics Section Reception	5:00 PM	7:00 PM	Omni	Palm Terrace
Texas Chapter Business Meeting and Reception	5:00 PM	7:00 PM	Omni	Gaslamp 1
ACCM Fellows Reception *Sponsored by CoapTech*	6:00 PM	7:30 PM	Hilton Bayfront	Indigo Ballroom Salon D
Nursing Section Reception	6:00 PM	7:30 PM	Hilton Bayfront	Elevation Room
Massachusetts General Hospital Surgical Critical Care Alumni Reception	6:00 PM	8:00 PM	Hilton Bayfront	Cobalt 501A
Mayo Clinic Alumni Networking Event	6:00 PM	8:00 PM	Hilton Bayfront	Cobalt 520
Pennsylvania Chapter Reception	6:00 PM	8:00 PM	Hilton Bayfront	Odysea
New Jersey Chapter Meeting and Reception	6:00 PM	9:00 PM	Omni	Balboa 1
Surgery Section Reception and Celebration for Robert H. Bartlett, MD	6:30 PM	9:30 PM	Marriott Marquis	Bayside Pavilion
Internal Medicine Section Reception	7:30 PM	9:00 PM	Hilton Bayfront	Cobalt 501BC

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BUSINESS AND ANCILLARY MEETINGS

Meeting Name	Start Time	End Time	Venue	Room
Monday, February 18, 2019				
SOCCA Critical Care Fellowship Program Directors Meeting	6:30 AM	8:30 AM	Hilton Bayfront	Cobalt 500
ACCM Awards Committee Meeting	7:00 AM	8:00 AM	Convention Center	23A
Nursing Section Advanced Nursing Practice and Professional Development Committee Meeting	7:00 AM	8:00 AM	Omni	Gallery 3
Pediatrics Section Palliative Care Committee Meeting	7:00 AM	8:00 AM	Omni	Gaslamp 3
American Academy of Pediatrics Section on Critical Care Executive Committee Meeting	7:00 AM	5:00 PM	Omni	Gaslamp 5
Surviving Sepsis Campaign Research Meeting	8:00 AM	9:00 AM	Convention Center	23B
Adult Item Writing Committee Business Meeting	9:00 AM	9:45 AM	Hilton Bayfront	Aqua 310
Clinical Pharmacy and Pharmacology Section Membership Committee Meeting	9:00 AM	10:00 AM	Hilton Bayfront	Sapphire 411
Discovery Steering Committee Meeting	9:00 AM	10:00 AM	Convention Center	23A
Guidelines Management Committee Meeting	9:00 AM	10:00 AM	Hilton Bayfront	Aqua Salons AB
Internal Medicine Section Steering Committee Meeting	9:00 AM	10:00 AM	Omni	Grand Ballroom Salon E
Osteopathic Medicine Section Business Meeting	9:00 AM	10:00 AM	Omni	Gaslamp 2
Pediatric Online Module Development Committee Meeting	9:00 AM	10:00 AM	Hilton Bayfront	Indigo 202
Pediatrics Section Fellows Committee Meeting	9:00 AM	10:00 AM	Omni	Grand Ballroom Salon C
Research Section Mentorship Subcommittee Meeting	9:00 AM	10:00 AM	Omni	Gaslamp 3
FCCS: Austere and Operational Environments Task Force Meeting	9:00 AM	10:30 AM	Hilton Bayfront	Indigo 204A
ICU Liberation Business Meeting	9:00 AM	11:00 AM	Hilton Bayfront	Aqua Salon F
Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Meeting	9:00 AM	1:00 PM	Hilton Bayfront	Cobalt 500
SCCM/ESCIM Joint Societies Meeting	9:15 AM	10:15 AM	Convention Center	26A
Membership Committee Meeting	9:30 AM	10:30 AM	Convention Center	23B
Internal Medicine Section Open Meeting	10:00 AM	11:00 AM	Omni	Grand Ballrom Salon D
MCCR, Pediatric, Committee Meeting	10:00 AM	11:00 AM	Hilton Bayfront	Aqua Salon D
Pediatrics Section Advanced Practice Nursing Committee Meeting	10:00 AM	11:00 AM	Omni	Grand Ballroom Salon A
Undergraduate Education Committee Business Meeting	10:00 AM	11:00 AM	Hilton Bayfront	Indigo 202

BUSINESS AND ANCILLARY MEETINGS

Meeting Name	Start Time	End Time	Venue	Room
Monday, February 18, 2019, Continued				
Pediatric Sepsis Definitions Task Force Meeting	10:00 AM	12:00 PM	Hilton Bayfront	Aqua Salons AB
New Fever Guidelines Business Meeting	10:30 AM	11:30 AM	Hilton Bayfront	Aqua Salon AB
Pediatric Item Writing Committee Business Meeting	11:00 AM	11:45 AM	Hilton Bayfront	Aqua 310
Accreditation and Learning Strategies Committee Meeting	11:00 AM	12:00 PM	Convention Center	21
Alert Fatigue Grant Proposal Discussion	11:00 AM	12:00 PM	Convention Center	23C
Pediatrics Section Fellowship Directors Committee Meeting	11:00 AM	12:00 PM	Omni	Gallery 1
FCCS: Surgical Task Force Meeting	11:00 PM	12:30 PM	Hilton Bayfront	Indigo 204A
Drug Shortages and Medication Safety Committee Business Meeting	11:30 AM	12:30 PM	Hilton Bayfront	Aqua Salon E
Ohio Chapter Business Meeting	12:15 PM	1:15 PM	Omni	Grand Ballroom Salon A
Oregon Chapter Business Meeting	12:15 PM	1:15 PM	Omni	Grand Ballroom Salon B
CCSC Business Meeting	12:30 PM	2:30 PM	Convention Center	26A
Surviving Sepsis Campaign Executive Committee Meeting	1:00 PM	2:00 PM	Convention Center	26A
Northern California Chapter Business Meeting	2:15 PM	3:15 PM	Omni	Grand Ballroom Salon A
Social Media Committee Meeting	2:15 PM	3:15 PM	Convention Center	21
Baltimore Chapter Business Meeting	2:30 PM	3:30 PM	Omni	Grand Ballroom Salon D
Clinical Pharmacy and Pharmacology Section Communications Committee Meeting	2:30 PM	3:30 PM	Hilton Bayfront	Sapphire 411
Family Engagement Collaborative Kick-Off	2:30 PM	3:30 PM	Convention Center	23C
Internal Medicine Section Intensivists in Practice Committee Meeting	2:30 PM	3:30 PM	Omni	Grand Ballroom Salon C
Nursing Section Program Committee Meeting,	2:30 PM	3:30 PM	Omni	Gallery 3
Pediatrics Section Quality and Safety Committee Meeting	2:30 PM	3:30 PM	Omni	Gaslamp 3
Southeast Chapter Business Meeting	2:30 PM	3:30 PM	Omni	Grand Ballroom Salon B
Discovery Winter Clinical Investigators Meeting	2:30 PM	5:00 PM	Hilton Bayfront	Indigo Ballroom Salon A
Diversity and Inclusion Committee Meeting	3:00 PM	4:00 PM	Convention Center	23B
Clinical Pharmacy and Pharmacology Section Program Committee Meeting	3:00 PM	4:00 PM	Hilton Bayfront	Sapphire 410
MCCR, Adult, Committee Meeting	3:00 PM	4:00 PM	Hilton Bayfront	Aqua Salon D

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BUSINESS AND ANCILLARY MEETINGS

Meeting Name	Start Time	End Time	Venue	Room
Monday, February 18, 2019, Continued				
Postgraduate Education Committee Business Meeting	3:00 PM	4:00 PM	Hilton Bayfront	Aqua Salon C
Quality and Safety Meeting	3:00 PM	4:00 PM	Hilton Bayfront	Aqua Salon E
THRIVE Task Force Meeting	3:00 PM	4:00 PM	Hilton Bayfront	Aqua 300
Donor Advisory Task Force Meeting	3:00 PM	4:30 PM	Convention Center	26A
Mayo Clinic Critical Care Specialty Council Meeting	3:00 PM	5:00 PM	Hilton Bayfront	Indigo 204B
Pediatrics Section Steering Committee Meeting	3:15 PM	4:15 PM	Omni	Gaslamp 2
Glycemic Control Guidelines Business Meeting	4:00 PM	5:00 PM	Hilton Bayfront	Aqua Salon AB
Graduate Education Committee Business Meeting	4:00 PM	5:00 PM	Hilton Bayfront	Indigo 202
Advanced Practice Providers Resource Committee Meeting	4:30 PM	5:30 PM	Hilton Bayfront	Sapphire 400
ACCM Robing Room	4:45 PM	8:00 PM	Hilton Bayfront	Sapphire Ballroom Salon A
Award Recipient Check-In	5:00 PM	6:00 PM	Hilton Bayfront	Sapphire M
Carolinas/Virginias Chapter Networking Event and Happy Hour	6:00 PM	7:30 PM	Hilton Bayfront	Elevation Room
ACCM Convocation/SCCM Awards Presentation	6:00 PM	7:30 PM	Hilton Bayfront	Sapphire Ballroom Salon C
Emory Critical Care Center Annual Reception	7:00 PM	9:30 PM	Hilton Bayfront	Cobalt 501BC
Emergency Medicine Section Reception	7:30 PM	9:30 PM	Hilton Bayfront	Indigo Ballroom Salon C
Research Section/Discovery Reception	7:30 PM	9:30 PM	Hilton Bayfront	Indigo Ballroom Salon D
Tuesday, February 19, 2019				
ACCM Board of Regents Meeting	7:30 AM	10:00 AM	Hilton Bayfront	Aqua Ballroom Salon AB
THRIVE Peer Support Collaborative Meeting	8:00 AM	5:00 PM	Hilton Bayfront	Aqua Salon EF
Academic Leaders in Critical Care Medicine Business Meeting	9:00 AM	10:00 AM	Hilton Bayfront	Indigo 204A
Finance Committee Meeting	9:00 AM	10:00 AM	Convention Center	26A
Item Writing Workshop	9:00 AM	12:00 PM	Convention Center	23C
ACCM Credentials Committee Meeting	10:00 AM	11:00 AM	Convention Center	23A
Medical Education Leadership Meeting	10:00 AM	11:00 AM	Hilton Bayfront	Indigo 204A
Ethics Committee Meeting	10:00 AM	11:00 AM	Hilton Bayfront	Indigo 204B
Pediatric Critical Care Medicine Editor-in-Chief Search Task Force Meeting	10:00 AM	12:00 PM	Convention Center	26A

BUSINESS AND ANCILLARY MEETINGS

Meeting Name	Start Time	End Time	Venue	Room
Tuesday, February 19, 2019, Continued				
Documentation and Coding Education Committee Business Meeting	11:00 AM	12:00 PM	Hilton Bayfront	Indigo 204A
Nursing Section Research and Scholarship Committee Meeting	11:00 AM	12:00 PM	Omni	Gaslamp 3
Program Improvement Work Group Meeting	11:00 AM	12:00 PM	Hilton Bayfront	Aqua Salon AB
Tele-ICU Committee Business Meeting	11:00 AM	12:00 PM	Hilton Bayfront	Aqua Salon C
Emergency Medicine Section Business Meeting and Luncheon *Sponsored by Teleflex*	11:00 AM	1:00 PM	Omni	Grand Ballroom Salon C
ACCM Nominating Committee Meeting	12:00 PM	1:00 PM	Convention Center	23A
Clinical Pharmacy and Pharmacology Section Business Meeting	12:00 PM	1:00 PM	Hilton Bayfront	Indigo Ballroom Salon A
Pediatrics Section Business Meeting	12:00 PM	1:00 PM	Omni	Gallery 2
Uniformed Services Section Business Meeting	12:00 PM	1:00 PM	Omni	Grand Ballroom Salon B
Clinical Pharmacy and Pharmacology Section Subspecialty Networking Session	1:00 PM	1:30 PM	Hilton Bayfront	Indigo Ballroom Salon A
Discovery Computational Critical Care Medicine Work Group Meeting	2:15 PM	3:15 PM	Convention Center	23A
SCCM Business Meeting	2:30 PM	3:00 PM	Convention Center	32
Item Writing Workshop	2:30 PM	5:30 PM	Convention Center	23C
ACCM Business Meeting	3:00 PM	3:30 PM	Convention Center	32
Knowledge and Skills Business Line Strategy Meeting	4:00 PM	6:00 PM	Hilton Bayfront	Indigo 204A
Pulmonary Critical Care Reception	6:30 PM	8:00 PM	Hilton Bayfront	Cobalt 501BC
Wednesday, February 20, 2019				
Council Meeting	7:30 AM	10:30 AM	Hilton Bayfront	Aqua CD
THRIVE Post-ICU Clinic Collaborative Meeting	8:00 AM	5:00 PM	Hilton Bayfront	Aqua EF

EXHIBITOR-SPONSORED INDUSTRY EDUCATION WORKSHOPS

Presentations will be held in Theaters 1 and 2 in Exhibit Hall GH.

SUNDAY, FEBRUARY 17, 2019

9:30 AM - 10:30 AM ▪ THEATER 1

Mask-Free NIV

Sponsored by Vapotherm, Inc.

Presenter: Michael McQueen

HVNI is a form of noninvasive ventilation for spontaneously breathing patients, with a unique FDA category classification. The presentation will cover the mechanisms of action and data from a recent randomized clinical trial, showing that HVNI is a viable alternative to NIPPV as a tool for treating the signs and symptoms of undifferentiated respiratory distress.

9:30 AM - 10:30 AM ▪ THEATER 2

Urgent Warfarin Reversal for Fast and Sustained Action: A Case-Based Presentation

Sponsored by CSL Behring

Presenter: Aryeh Shander

This case-based educational session will explore clinical situations in which rapid reversal of warfarin is required in patients experiencing acute major bleeding as well as in those in need of urgent surgery/invasive procedures.

12:45 PM - 1:45 PM ▪ THEATER 1

Multimodal Prognostication After Cardiac Arrest: Is the Neurological Pupil Index (NPi) the Answer?

Sponsored by NeurOptics

Presenters: Mauro Oddo and Giuseppe Citerio

Prognostication of coma after cardiac arrest is challenging and requires a multimodal approach. Join us as we discuss the results of a recent international, multicenter, double-blinded study that demonstrated the value of quantitative pupillometry, using the Neurological Pupil index (NPi), in predicting neurologic prognosis after cardiac arrest. Pupillometry appears to be a widely accessible and easy-to-use device with the potential to provide great accuracy and precise and timely answers to ICU clinicians caring for comatose cardiac arrest patients.

12:45 PM - 1:45 PM ▪ THEATER 2

Procalcitonin in 2019: New Data and Applications for the Best Patient Value

Sponsored by Thermo Fisher

Presenter: Gabriel Wardi

Learning Objectives:

- Review the history, biokinetics, and physiology of procalcitonin in critically ill patients
- Discuss the rationale and evidence for procalcitonin use in antibiotic stewardship in the ICU
- Recognize the role of procalcitonin in sepsis bundles and how to effectively implement its use in the ICU

EXHIBITOR-SPONSORED INDUSTRY EDUCATION WORKSHOPS

Presentations will be held in Theaters 1 and 2 in Exhibit Hall GH.

MONDAY, FEBRUARY 18, 2019

12:15 PM - 1:15 PM ▪ THEATER 1

Reversal of Novel Oral Anticoagulants in Patients Experiencing Life-Threatening Bleeds: Review of Clinical Evidence and Practical Recommendations for Patient Management

Sponsored by Portola Pharmaceuticals

12:15 PM - 1:15 PM ▪ THEATER 2

Understanding Pulmonary Embolism Risk Stratification and Reduced Thrombolytic Dose with EKOS Therapy

Sponsored by BTG Vascular

Presenter: Victor F. Tapson

Treat bilateral pulmonary embolism with as little as 8 mg tPA total and in as little as 2 hours:

- Identify which patients will benefit the most from this new lower-dose, shorter-duration therapy
- Review the compendium of data supporting EKOS Therapy
- Learn how pulmonary embolism patients' right ventricular dysfunction can be effectively treated in as little as 2 hours

2:15 PM - 3:15 PM ▪ THEATER 1

Earlier Effective Antibiotic Therapy Through Culture-Independent Diagnostics

Sponsored by T2 Biosystems

Presenters: Neil Clancy and Sandy J. Estrada

This workshop will explore the need for early detection and identification of clinically important organisms, including the most prevalent ESKAPE pathogens, to provide earlier targeted therapy for the most critically compromised patients.

Join us as we discuss integrating the FDA-cleared T2Bacteria and T2Candida Panels in clinical practice and how it can impact patient management. Learn how early detection of the most serious bacterial and fungal pathogens in 3 to 5 hours direct from whole blood—and without waiting for blood culture—can improve on empiric therapy protocols and improve patient outcomes.

EXHIBITOR LISTING

Company	Booth #
3D Systems Simbionix	924
Abbott Nutrition	904
Abiomed, Inc.	718
Accelerate Diagnostics	1133
Access Scientific	523
Achaogen	1222
Advanced ICU Care	906
Agency for Healthcare Research and Quality	1043
Alcresta Therapeutics, Inc.	1413
Allergan.	1212
Ambu Inc.	1238
American Association of Critical-Care Nurses	621
American Board of Internal Medicine	439
American College of Chest Physicians	748
American Heart Association	1139
American Thoracic Society	527
Applied Medical Technology, Inc. (AMT)	842
Associates of Cape Cod, Inc.	1405
Auburn University - Physicians Executive MBA Program	1039
Avanos Medical	537
Baxter Healthcare	1311
Beijing Weili Co.	538
BioFire Diagnostics, LLC	607
Biomed Simulation Inc.	844
bioMérieux	1018
Biovo Technologies	1137
BTG Vascular	816
Ceribell	543
Cheetah Medical	825
COAPTECH	1119
Cook Medical	433
CortiCare	1138
CSL Behring	725
CytoSorbents Corporation	721
Dale Medical Products, Inc.	945
Daxor Corporation	926
Decisio Health	638
Edwards Lifesciences	905
Elsevier, Inc.	910
ENDOCLEAR LLC	622
Envision Physician Services	1049
Etiometry Inc.	524
European Society of Intensive Care Medicine	943
Extracorporeal Life Support Organization (ELSO)	1111
Fisher & Paykel Healthcare	1239
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Getinge	1005
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La Jolla Pharmaceutical Company	333
Lantheus Medical Imaging	626
LiDCO LTD	1211
MASIMO	805
McMahon Publishing Group	634
Medical Decisions Network	1315
Medicus Healthcare Solutions	719
Medline Industries, Inc.	716
MedTech International Group	1410
Medtronic	1033
Melinta Therapeutics	425
Mindray North America	1140
Moberg ICU Solutions	1425
National Board of Echocardiography, Inc.	526
NeurOptics, Inc.	732
Neurotech, LLC	636
Northwell Health	624
Northwest Seminars	1333
NxStage Medical, Inc.	745
On Call Medical Coats	738
Pall Medical	1123
Patient Shield Concepts, LLC	720
Pharma-Medical USA	820
Philips Healthcare	1319
Portola Pharmaceuticals	1225
Pronia Medical Systems	914
Provider Solutions + Development	1243
RAUMEDIC, Inc.	619
RenalSense	639
Respiratory Motion, Inc.	1310
Restorative Therapies, Inc.	717
Retia Medical	734
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Sound Critical Care	1118
Springer	535
T2 Biosystems, Inc.	327
Teleflex	1105
Tetraphase Pharmaceuticals	632
The Intensivist Company	522
The JAMA Network	617
Thermo Scientific	1011
TS Medical USA	1215
Vapotherm	1112
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Vyaire Medical	1041
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Xoran Technologies	1042
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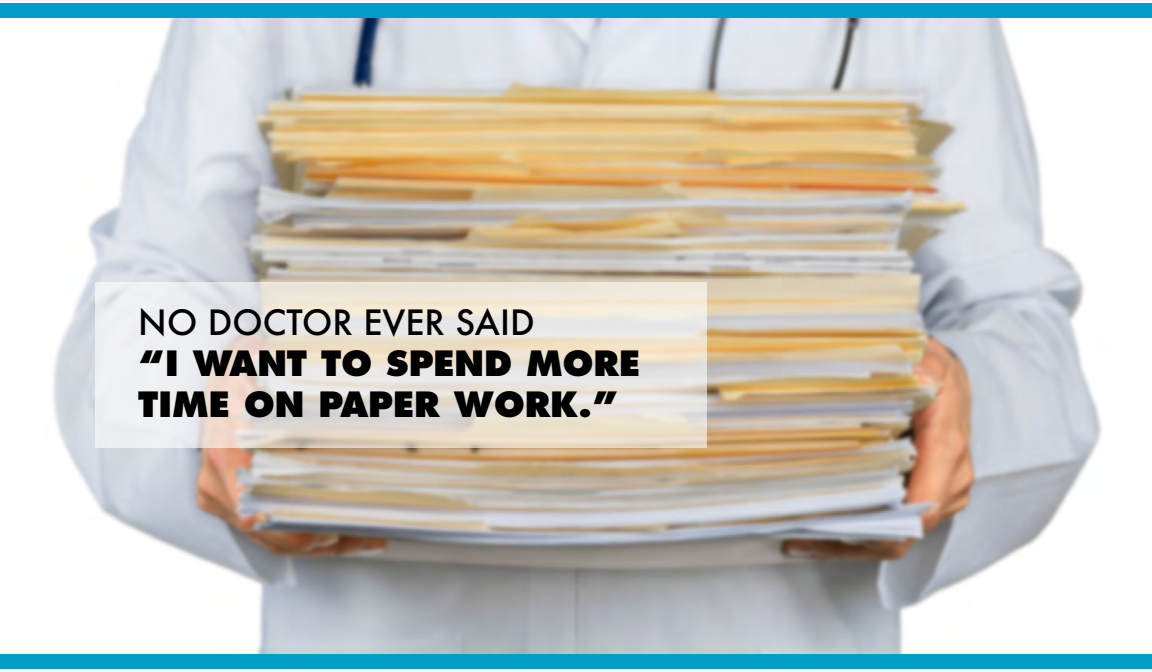

SPEND LESS TIME ON PAPERWORK AND MORE TIME WITH YOUR PATIENTS

No one becomes a physician because they enjoy paperwork. And yet many doctors spend half their working hours doing exactly that.[1]

That’s why we’re excited to announce **SonoSite Synchronicity™** workflow manager, a centralized and standardized point-of-care ultrasound data management solution.

Stop by SonoSite, BOOTH 913, at SCCM to find out how we’re improving workflow.

[1] Tai-Seale, M. et al (2017). Electronic Health Record Logs Indicate That Physicians Split Time Evenly Between Seeing Patients And Desktop Medicine. Health Affairs, 36 (4). doi:10.1377/hlthaff.2016.0811

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Share your Congress experience on Social Media! Use #CCC48 and mention us on:

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CALL FOR ABSTRACTS

February 16-19, 2020
Orange County Convention Center
Orlando, Florida, USA

Make your contribution to the advancement of critical care by submitting your original investigative research and case reports for the 49th Critical Care Congress.

If accepted, your work will be considered for presentation at Congress. Abstracts also will be published in *Critical Care Medicine,* the #1 critical care subspecialty journal.

Those whose abstracts are accepted also enjoy other benefits:

- Peer Evaluation: Select abstracts will be moderated by critical care experts who will provide indispensable feedback.
- Awards: Multiple awards are offered, including research awards and section travel grants. First authors who are SCCM members and a sponsored fellow, nurse, pharmacist, or respiratory therapist at the time of abstract submission may be eligible for complimentary Congress registration.

Submission categories are: Basic Science, Case Reports, and Clinical Science.

Abstracts may be submitted May 1 to August 1, 2019, by noon Central Daylight Time.

Visit sccm.org/abstracts for complete details on submission guidelines and categories.

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Access the realistic training needed to build fundamental knowledge of critical care ultrasound or prepare non-intensivists to manage the critically ill and injured patient.

All courses combine dynamic presentations with hands-on skill stations to form a thorough learning experience.

- Critical Care Ultrasound: Adult
- Critical Care Ultrasound: Pediatric and Neonatal
- Advanced Critical Care Ultrasound: Adult
- Fundamental Critical Care Support
- Pediatric Fundamental Critical Care Support
- Fundamental Disaster Management
- Fundamental Critical Care Support: Tropical Diseases
- Fundamental Critical Care Support: Obstetrics
- Multiprofessional Critical Care Review Course: Adult

Licensed courses are the perfect tool to help provide consistent and uniform training to healthcare providers across an institution or organization.

Society of Critical Care Medicine
The Intensive Care Professionals

Contact the Licensed Course Team or visit the website to learn more and start planning your course today!

Email: fccs@sccm.org • Phone: +1 847 827-6888
sccm.org/ultrasound • sccm.org/fundamentals • sccm.org/mccrc

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Society of Critical Care Medicine
The Intensive Care Professionals

NEW Location!

SKILLS + REVIEW

SHERATON GRAND CHICAGO
CHICAGO, ILLINOIS, USA

As a critical care professional, you want to stay current on the latest knowledge and tools to make an impact at the bedside. The Society of Critical Care Medicine (SCCM) offers comprehensive review and hands-on clinical skills courses, featuring renowned faculty, designed to further professional development goals and improve the care and outcomes of critically ill patients.

Visit sccm.org/skillsandreview

- **Critical Care Ultrasound: Adult**
  August 14-15, 2019
- **Critical Care Ultrasound: Pediatric and Neonatal**
  August 14-15, 2019
- **Multiprofessional Critical Care Review: Adult**
  August 14-18, 2019
- **Advanced Critical Care Ultrasound: Adult**
  August 16, 2019

CE/CME and MOC Available

Right Care Right Now

REGISTER EARLY to secure your spot and receive the lowest rates.

NOTES

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45 days of intensive care
7 days of weaning
1 patient discharged

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