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

Because Internal Bleeding Doesn’t Wait for Your Morning Blood Draw

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.


For more information, visit masimo.com/SpHb

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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

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

Registration opens summer 2019 at sccm.org/Congress.
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Share your Congress experience on social media! Use #CCC48 and mention us on: @SCCM1 @SCCM @SCMCriticalCare

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- 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.

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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- Submit abstracts for Critical Care Congress®
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*American College of Critical Care Medicine (application fee included)

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

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.


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.
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.
FREE WiFi

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

Complimentary Internet access is available throughout the convention center.

CONNECT USING SSID: CCC48

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Pharmaceutical
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.

### 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
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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]
- **11:00 a.m. - 12:15 p.m.**  Choosing New Hardware or Devices
- **12:15 p.m. - 1:15 p.m.**  Walk-In LinkedIn Profile Review Clinic
- **3:15 p.m. - 4:45 p.m.**  Walk-In LinkedIn Profile Review Clinic

### 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
- Continuous Bedside Monitoring and Centralized Monitoring
- Machine Learning and Big Data
- 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.

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<td>Donación de Organos (Session in Spanish: Organ Donation)</td>
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<td>Big Data: Big Trouble</td>
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<td>Mentorship for Minorities</td>
<td>William C. Chiu</td>
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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 $\text{ECCO}_2\text{R}$

**Wyndham San Diego Bayside Hotel**
**February 15-16, 2019**

$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](https://www.sccm.org/Education-Center/Annual-Congress/Program)


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

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.

Visit us at booth #811

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Use the Congress App to enhance your experience.

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

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.

Sponsored by:
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.
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

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.

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.

Download the Congress App at sccm.org/CongressApp
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.

<table>
<thead>
<tr>
<th>Session Title</th>
<th>Room</th>
<th>Time</th>
<th>Hashtag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pro/Con Debate: Are AKI Biomarkers Ready for Clinical Use?</td>
<td>28</td>
<td>10:30 AM - 11:30 AM</td>
<td>#CritCareControversies</td>
</tr>
<tr>
<td>Guidelines for Pediatric Sepsis Beyond Clinical Care; Government Mandates and Adherence</td>
<td>29</td>
<td>10:30 AM - 12:30 PM</td>
<td>#PedsICU</td>
</tr>
<tr>
<td>ACCM Adult Guidelines for the Prevention and Management of Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption (PADIS)</td>
<td>31</td>
<td>11:45 AM - 12:45 PM</td>
<td>#ICULiberation</td>
</tr>
<tr>
<td>Pro/Con Debate: Who Should Be in Charge of Multidisciplinary Critical Care Training?</td>
<td>28</td>
<td>11:45 AM - 12:45 PM</td>
<td>#CritCareControversies</td>
</tr>
<tr>
<td>Mitigation of Burnout in the ICU: Separating Myth From Reality</td>
<td>31</td>
<td>9:45 AM - 10:45 AM</td>
<td>#StopICUBurnout</td>
</tr>
<tr>
<td>Hot Controversies in Sepsis: Surfing the Wave of Change</td>
<td>Hall F</td>
<td>9:45 AM - 11:45 AM</td>
<td>#Sepsis19</td>
</tr>
<tr>
<td>Pediatric Surgical Critical Care: Same Patients, Different Perspectives</td>
<td>29</td>
<td>9:45 AM - 10:45 AM</td>
<td>#PedsICU</td>
</tr>
<tr>
<td>Pro/Con Debate: Procedures in the ICU: APP Versus GME</td>
<td>28</td>
<td>9:45 AM - 10:45 AM</td>
<td>#CritCareControversies</td>
</tr>
<tr>
<td>THRIVE: Bringing Meaning and Life Back to Survivors of Critical Illness</td>
<td>33</td>
<td>9:45 AM - 10:45 AM</td>
<td>#THRIVEICU</td>
</tr>
<tr>
<td>Mending Little Hearts</td>
<td>29</td>
<td>11:00 AM - 12:00 PM</td>
<td>#PedsICU</td>
</tr>
<tr>
<td>Pro/Con Debate: Is ECMO First-Line Therapy in ARDS?</td>
<td>28</td>
<td>11:00 AM - 12:00 PM</td>
<td>#CritCareControverses</td>
</tr>
<tr>
<td>Pediatric Sedation: Less Is More</td>
<td>29</td>
<td>3:15 PM - 4:15 PM</td>
<td>#PedsICU</td>
</tr>
<tr>
<td>Pro/Con Debate: Steroids in the ICU: To Give or Not to Give</td>
<td>28</td>
<td>3:15 PM - 4:15 PM</td>
<td>#CritCareControverses</td>
</tr>
<tr>
<td>Controversies in Pediatric ARDS</td>
<td>29</td>
<td>4:30 PM - 5:30 PM</td>
<td>#PedsICU</td>
</tr>
<tr>
<td>Pro/Con Debate: To REBOA or Not to REBOA</td>
<td>28</td>
<td>4:30 PM - 5:30 PM</td>
<td>#CritCareControverses</td>
</tr>
</tbody>
</table>
## JOIN A CONGRESS SESSION VIA TWITTER

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

### Times

#### Sunday, February 17, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30 a.m. – 10:30 a.m.</td>
<td><strong>Roundtable Discussion:</strong> Success Stories: Best Practices on How to Prevent Burnout and Promote Wellness/THRIVE at Vanderbilt School of Medicine - Carla M. Sevin</td>
</tr>
<tr>
<td>10:45 a.m. – 11:00 a.m.</td>
<td>Top 5 Health and Wellness Habits That Busy Professionals Should Create NOW</td>
</tr>
<tr>
<td>11:00 a.m. – 12:30 p.m.</td>
<td>Therapy Dogs in Healthcare Settings</td>
</tr>
<tr>
<td>11:15 a.m. – 11:30 a.m.</td>
<td>Relaxation Techniques: Simple Steps to Unwind</td>
</tr>
<tr>
<td>11:45 a.m. – 12:00 p.m.</td>
<td>Wellness Technologies for Your Body, Home, and Office</td>
</tr>
<tr>
<td>12:15 p.m. – 12:30 p.m.</td>
<td>Keys to Health: Key One – Sleep</td>
</tr>
<tr>
<td>12:45 p.m. – 1:45 p.m.</td>
<td><strong>Roundtable Discussion:</strong> Success Stories: Best Practices on How to Prevent Burnout and Promote Wellness/THRIVE at Mayo Clinic - Annie Johnson</td>
</tr>
<tr>
<td>1:00 p.m. – 1:45 p.m.</td>
<td>Stress Reduction and Meditation App Demos (Walk-In)</td>
</tr>
<tr>
<td>2:45 p.m. – 3:45 p.m.</td>
<td>How to Implement an ICU Musician in an Institutional Setting</td>
</tr>
<tr>
<td></td>
<td>Gloria M. Rodriguez-Vega</td>
</tr>
<tr>
<td></td>
<td>ICU Musician Andrew M. Schulman</td>
</tr>
<tr>
<td>4:00 p.m. – 4:15 p.m.</td>
<td>Meditation Session</td>
</tr>
<tr>
<td>5:00 p.m. – 5:20 p.m.</td>
<td>Destress Before Dinner! Gentle Yoga Stretches</td>
</tr>
</tbody>
</table>

#### Monday, February 18, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45 a.m. – 9:45 a.m.</td>
<td><strong>Roundtable Discussion:</strong> Success Stories: Best Practices on How to Prevent Burnout and Promote Wellness at Virginia Commonwealth University - Curtis N. Sessler</td>
</tr>
<tr>
<td>10:00 a.m. – 10:15 a.m.</td>
<td>Top 5 Health and Wellness Habits That Busy Professionals Should Create NOW</td>
</tr>
<tr>
<td>10:30 a.m. – 10:45 a.m.</td>
<td>Relaxation Techniques: Simple Steps to Unwind</td>
</tr>
<tr>
<td>11:00 a.m. – 11:15 a.m.</td>
<td>Keys to Health: Key Two – Hydration</td>
</tr>
</tbody>
</table>

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

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

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

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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
FRIDAY, FEBRUARY 15, 2019

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

- 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

Sessions will be held at the convention center unless otherwise noted.
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
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. Himebaugh
- 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
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

Sessions will be held at the convention center unless otherwise noted.
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
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
- Toxicidromes 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

Sessions will be held at the convention center unless otherwise noted.
Download the Congress App at sccm.org/CongressApp
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
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
- 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

Sessions will be held at the convention center unless otherwise noted.
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
- Thromboembolic 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, Cheryllee W.J. Chang

- Continental Breakfast
- Welcome and Opening Remarks
  Erik Su, Cheryllee 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
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
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
  Milania 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. - 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

Sessions will be held at the convention center unless otherwise noted.
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
  Cheryllee 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

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)
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
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
  Manilyn 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
  Mahrugh 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
  Marjia 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 Slivis
- 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
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

Sessions will be held at the convention center unless otherwise noted.
9:45 A.M. – 10:45 A.M. • Room: 29
**Pediatric Surgical Critical Care: Same Patients, Different Perspectives** #PedICU

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
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?
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

Sessions will be held at the convention center unless otherwise noted.
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

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)
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 #PedICU
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
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

Sessions will be held at the convention center unless otherwise noted.
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*
4:30 P.M. – 5:30 P.M.  •  Room: 28
Pro/Con Debate: To REBOA or Not to REBOA  #CritCareControversies
Moderators: Kristine A.K. Lombardozi
• 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. Baldissari
TUESDAY, FEBRUARY 19, 2019

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
Moderator: Nazima Pathan
- The Gut Microbiome-Host Relationship in Critical Illness
  Nazima Pathan
- Nutritional Modulation to Support Intestinal Homeostasis in Critical Illness
  Paul Wiachmeyer
- 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 -Omic
  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
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

Sessions will be held at the convention center unless otherwise noted.

Download the Congress App at sccm.org/CongressApp
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: 29

**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: 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*
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. – 3:30 P.M. • Room: 32
SCCM 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
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 Gamble 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
TUESDAY, FEBRUARY 19, 2019

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

Program and faculty are subject to change.
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

WEDNESDAY, FEBRUARY 20, 2019

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

WEDNESDAY, FEBRUARY 20, 2019

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

WEDNESDAY, FEBRUARY 20, 2019

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

WEDNESDAY, FEBRUARY 20, 2019

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

WEDNESDAY, FEBRUARY 20, 2019

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 #CritCareControversies
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

Sessions will be held at the convention center unless otherwise noted.
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
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

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

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

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

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

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.

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<td>10:00 a.m. – 11:00 a.m.</td>
<td>Procedures I</td>
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<tr>
<td>11:15 a.m. – 12:15 p.m.</td>
<td>Quality and Patient Safety XI</td>
<td>1327-1334</td>
</tr>
<tr>
<td>12:30 p.m. – 1:30 p.m.</td>
<td>Quality and Patient Safety XII</td>
<td>1335-1342</td>
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<tr>
<td><strong>Theater 14</strong></td>
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<tr>
<td>8:45 a.m. – 9:45 a.m.</td>
<td>Pharmacy XIV</td>
<td>948-955</td>
</tr>
<tr>
<td>10:00 a.m. – 11:00 a.m.</td>
<td>Pharmacy XV</td>
<td>956-962</td>
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<tr>
<td>11:15 a.m. – 12:15 p.m.</td>
<td>Pharmacy XVI</td>
<td>963-969</td>
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<tr>
<td>12:30 p.m. – 1:30 p.m.</td>
<td>Shock I</td>
<td>1698-1705</td>
</tr>
<tr>
<td><strong>Theater 15</strong></td>
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<tr>
<td>8:45 a.m. – 9:45 a.m.</td>
<td>Sepsis X</td>
<td>1624-1631</td>
</tr>
<tr>
<td>10:00 a.m. – 11:00 a.m.</td>
<td>Sepsis XI</td>
<td>1632-1639</td>
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<tr>
<td>11:15 a.m. – 12:15 p.m.</td>
<td>Sepsis XII</td>
<td>1640-1647</td>
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<tr>
<td>12:30 p.m. – 1:30 p.m.</td>
<td>Sepsis XIII</td>
<td>1648-1655</td>
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<tr>
<td><strong>Theater 16</strong></td>
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<tr>
<td>8:45 a.m. – 9:45 a.m.</td>
<td>Trauma VII</td>
<td>1782-1789</td>
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<tr>
<td>10:00 a.m. – 11:00 a.m.</td>
<td>Trauma VIII</td>
<td>1790-1797</td>
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<td>11:15 a.m. – 12:15 p.m.</td>
<td>Shock II</td>
<td>1706-1714</td>
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<tr>
<td>12:30 p.m. – 1:30 p.m.</td>
<td>Shock III</td>
<td>1715-1722</td>
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<tr>
<td><strong>Theater 17</strong></td>
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<tr>
<td>8:45 a.m. – 9:45 a.m.</td>
<td>Cardiovascular XIII</td>
<td>219-226</td>
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<td>Quality and Patient Safety XIII</td>
<td>1343-1350</td>
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<td>11:15 a.m. – 12:15 p.m.</td>
<td>Quality and Patient Safety XX</td>
<td>1399-1406</td>
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<td>12:30 p.m. – 1:30 p.m.</td>
<td>Shock IV</td>
<td>1723-1730</td>
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</table>
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.

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

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

*Continued on page 76*
## BUSINESS AND ANCILLARY MEETINGS

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

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Venue</th>
<th>Room</th>
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<tr>
<td>Surgery Section Steering Committee Meeting</td>
<td>3:00 PM</td>
<td>4:00 PM</td>
<td>Omni</td>
<td>Gaslamp 5</td>
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<tr>
<td>ICU Design Award Committee Meeting</td>
<td>3:00 PM</td>
<td>5:00 PM</td>
<td>Hilton Bayfront</td>
<td>Aqua Salon AB</td>
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<tr>
<td>Nursing Section Membership Committee, Congress First-Time Attendees, and</td>
<td>3:00 PM</td>
<td>5:00 PM</td>
<td>Omni</td>
<td>Gallery 3</td>
</tr>
<tr>
<td>Communication and Recognition Committee Meeting</td>
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<tr>
<td>Surviving Sepsis Campaign, Adult, Guidelines Revision Business Meeting</td>
<td>3:00 PM</td>
<td>5:00 PM</td>
<td>Hilton Bayfront</td>
<td>Aqua Salon C</td>
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<tr>
<td>Pediatric MCCKAP Committee Business Meeting</td>
<td>4:00 PM</td>
<td>4:45 PM</td>
<td>Hilton Bayfront</td>
<td>Aqua 310</td>
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<tr>
<td>Current Concepts in Critical Care, Pediatric, Committee Meeting</td>
<td>4:00 PM</td>
<td>5:00 PM</td>
<td>Hilton Bayfront</td>
<td>Indigo 204A</td>
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<tr>
<td>Fundamentals Leadership Committee Business Meeting</td>
<td>4:00 PM</td>
<td>5:00 PM</td>
<td>Hilton Bayfront</td>
<td>Indigo 202</td>
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<tr>
<td>Research Section Business Meeting</td>
<td>4:00 PM</td>
<td>5:00 PM</td>
<td>Omni</td>
<td>Gallery 1</td>
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<tr>
<td>Surgery Section Business Meeting</td>
<td>4:00 PM</td>
<td>5:00 PM</td>
<td>Omni</td>
<td>Gallery 2</td>
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<tr>
<td>Clinical Pharmacy and Pharmacology Section Recruitment Exchange Committee</td>
<td>4:00 PM</td>
<td>6:00 PM</td>
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<td>Meeting</td>
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<td>Salons AE</td>
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<td>Industry Reception</td>
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<tr>
<td>Cooper Health University Alumni Reception</td>
<td>4:30 PM</td>
<td>6:30 PM</td>
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<td>5:00 PM</td>
<td>6:30 PM</td>
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<td>Sapphire 400</td>
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<td>In-Training Section Reception</td>
<td>5:00 PM</td>
<td>6:30 PM</td>
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<tr>
<td>Discovery Oversight Committee Meeting</td>
<td>5:00 PM</td>
<td>7:00 PM</td>
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<td>TBD</td>
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<tr>
<td>Pediatrics Section Reception</td>
<td>5:00 PM</td>
<td>7:00 PM</td>
<td>Omni</td>
<td>Palm Terrace</td>
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<tr>
<td>Texas Chapter Business Meeting and Reception</td>
<td>5:00 PM</td>
<td>7:00 PM</td>
<td>Omni</td>
<td>Gaslamp 1</td>
</tr>
<tr>
<td>ACCM Fellows Reception Sponsored by CoapTech</td>
<td>6:00 PM</td>
<td>7:30 PM</td>
<td>Hilton Bayfront</td>
<td>Indigo Ballroom</td>
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<tr>
<td>Sponsored by CoapTech</td>
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<td>Salon D</td>
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<tr>
<td>Nursing Section Reception</td>
<td>6:00 PM</td>
<td>7:30 PM</td>
<td>Hilton Bayfront</td>
<td>Elevation Room</td>
</tr>
<tr>
<td>Massachusetts General Hospital Surgical Critical Care Alumni Reception</td>
<td>6:00 PM</td>
<td>8:00 PM</td>
<td>Hilton Bayfront</td>
<td>Cobalt 501A</td>
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<tr>
<td>Mayo Clinic Alumni Networking Event</td>
<td>6:00 PM</td>
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<td>Pennsylvania Chapter Reception</td>
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<td>Surgery Section Reception and Celebration for Robert H. Bartlett, MD</td>
<td>6:30 PM</td>
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<td>Marriott Marquis</td>
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<td>Internal Medicine Section Reception</td>
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<td>Cobalt 501BC</td>
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<td>SOCCA Critical Care Fellowship Program Directors Meeting</td>
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<td>ACCM Awards Committee Meeting</td>
<td>7:00 AM</td>
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<td>23A</td>
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<tr>
<td>Nursing Section Advanced Nursing Practice and Professional Development Committee Meeting</td>
<td>7:00 AM</td>
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<td>Pediatrics Section Palliative Care Committee Meeting</td>
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<td>American Academy of Pediatrics Section on Critical Care Executive Committee Meeting</td>
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<td>Surviving Sepsis Campaign Research Meeting</td>
<td>8:00 AM</td>
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<td>Adult Item Writing Committee Business Meeting</td>
<td>9:00 AM</td>
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<td>Clinical Pharmacy and Pharmacology Section Membership Committee Meeting</td>
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<td>Guidelines Management Committee Meeting</td>
<td>9:00 AM</td>
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<td>Research Section Mentorship Subcommittee Meeting</td>
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<td>FCCS: Austere and Operational Environments Task Force Meeting</td>
<td>9:00 AM</td>
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<td>ICU Liberation Business Meeting</td>
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<td>Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Meeting</td>
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### BUSINESS AND ANCILLARY MEETINGS

#### Monday, February 18, 2019, Continued

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<td>Accreditation and Learning Strategies Committee Meeting</td>
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<td>Alert Fatigue Grant Proposal Discussion</td>
<td>11:00 AM</td>
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<td>Drug Shortages and Medication Safety Committee Business Meeting</td>
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<td>Communications Committee Meeting</td>
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<td>Family Engagement Collaborative Kick-Off</td>
<td>2:30 PM</td>
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<td>Internal Medicine Section Intensivists in Practice Committee Meeting</td>
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<td>Pediatrics Section Quality and Safety Committee Meeting</td>
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<td>Southeast Chapter Business Meeting</td>
<td>2:30 PM</td>
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<td>Discovery Winter Clinical Investigators Meeting</td>
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<td>Diversity and Inclusion Committee Meeting</td>
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<td>Clinical Pharmacy and Pharmacology Section Program Committee Meeting</td>
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*Continued on page 80*
### BUSINESS AND ANCILLARY MEETINGS

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<td>Postgraduate Education Committee Business Meeting</td>
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<td>Quality and Safety Meeting</td>
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<td>THRIVE Task Force Meeting</td>
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<td>Donor Advisory Task Force Meeting</td>
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<td>Mayo Clinic Critical Care Specialty Council Meeting</td>
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<td>Glycemic Control Guidelines Business Meeting</td>
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<td>Graduate Education Committee Business Meeting</td>
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<td>Advanced Practice Providers Resource Committee Meeting</td>
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<td>Award Recipient Check-In</td>
<td>5:00 PM</td>
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<td>Carolinas/Virginias Chapter Networking Event and Happy Hour</td>
<td>6:00 PM</td>
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<td>ACCM Convocation/SCCM Awards Presentation</td>
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<td>Emory Critical Care Center Annual Reception</td>
<td>7:00 PM</td>
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<td>Emergency Medicine Section Reception</td>
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<td>Research Section/Discovery Reception</td>
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<td><strong>Tuesday, February 19, 2019</strong></td>
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<tr>
<td>ACCM Board of Regents Meeting</td>
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<td>THRIVE Peer Support Collaborative Meeting</td>
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<td>Academic Leaders in Critical Care Medicine Business Meeting</td>
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<td>Finance Committee Meeting</td>
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<td>Item Writing Workshop</td>
<td>9:00 AM</td>
<td>12:00 PM</td>
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<td>ACCM Credentials Committee Meeting</td>
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<td>Medical Education Leadership Meeting</td>
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<td>Ethics Committee Meeting</td>
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<td>Pediatric Critical Care Medicine Editor-in-Chief Search Task Force Meeting</td>
<td>10:00 AM</td>
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# BUSINESS AND ANCILLARY MEETINGS

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<td>Documentation and Coding Education Committee Business Meeting</td>
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<td>Nursing Section Research and Scholarship Committee Meeting</td>
<td>11:00 AM</td>
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<td>Program Improvement Work Group Meeting</td>
<td>11:00 AM</td>
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<td>Tele-ICU Committee Business Meeting</td>
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<td>Emergency Medicine Section Business Meeting and Luncheon</td>
<td>11:00 AM</td>
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<td><strong>Sponsored by Teledex</strong></td>
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<td>ACCM Nominating Committee Meeting</td>
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<td>Clinical Pharmacy and Pharmacology Section Business Meeting</td>
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<td>Pediatrics Section Business Meeting</td>
<td>12:00 PM</td>
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<td>Uniformed Services Section Business Meeting</td>
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<td>Clinical Pharmacy and Pharmacology Section Subspecialty Networking Session</td>
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<td>SCCM Business Meeting</td>
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<td>Knowledge and Skills Business Line Strategy Meeting</td>
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<td><strong>Wednesday, February 20, 2019</strong></td>
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<td>Council Meeting</td>
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<td>THRIVE Post-ICU Clinic Collaborative Meeting</td>
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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.

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<tr>
<td><strong>Reversal of Novel Oral Anticoagulants in Patients Experiencing Life-Threatening Bleeds: Review of Clinical Evidence and Practical Recommendations for Patient Management</strong></td>
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<td>Sponsored by Portola Pharmaceuticals</td>
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| **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 |

<p>| <strong>2:15 PM - 3:15 PM  •  THEATER 1</strong> |
| <strong>Earlier Effective Antibiotic Therapy Through Culture-Independent Diagnostics</strong> |
| Sponsored by T2 Biosystems |
| <strong>Presenters: Neil Clancy and Sandy J. Estrada</strong> |
| 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. |</p>
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  - August 14-15, 2019
- **Critical Care Ultrasound: Pediatric and Neonatal**
  - August 14-15, 2019
- **Multiprofessional Critical Care Review: Adult**
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- **Advanced Critical Care Ultrasound: Adult**
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