SpHb monitoring may provide additional insight between invasive blood samples when:

- The SpHb trend is stable and the clinician may otherwise think hemoglobin is dropping
- The SpHb trend is rising and the clinician may otherwise think hemoglobin is not rising fast enough
- The SpHb trend is dropping and the clinician may otherwise think hemoglobin is stable

Visit Masimo Booth #1008

Root® also offers analog view
In 2018, the Society of Critical Care Medicine (SCCM) will bring the critical care community to San Antonio, Texas, USA. Everything is bigger in Texas, and the 47th Critical Care Congress will encourage you to embrace new perspectives and develop innovative ideas that push beyond limitations and challenge the current state of critical care.

- Attend educational sessions, hands-on workshops and interactive debates led by internationally renowned faculty
- Collaborate with members of the entire multiprofessional team to create solutions to complex problems, reduce barriers and improve standards of providing care
- Explore the newest tools and technologies provided by more than a hundred exhibitors

We invite you to join us next February for the largest multiprofessional critical care event of the year. Get involved in improving patient care worldwide.

Registration opens June 2017 at www.sccm.org/Congress.
DOWNLOAD THE CONGRESS APP!

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

Apps designed specifically for the iPhone, iPad and Android are available. Search “SCCM” in Google Play or the i iTunes store. You can also download the SCCM App at http://www.sccm.org/SCCMApp.
Become a Member of the Only Multiprofessional Critical Care Organization

Special SCCM member benefits include:

- **FREE** Subscriptions to *Critical Care Medicine (CCM)*, the #1 journal devoted to critical care medicine with round-the-clock access to *CCM* online, and *Critical Connections*, SCCM’s newsmagazine
- Unparalleled opportunities to learn alongside an integrated team of dedicated experts
- Access to cutting-edge research
- Recognition among an esteemed group of critical care professionals
- Advocacy efforts that advance the profession and critical care providers
- **Substantial savings** on educational programs and resources

Please visit the SCCM registration desk to become a member today!

Special Offer for Critical Care Congress Attendees:

- $295 for Physicians (regular rate $395)
- $126 for Healthcare Professionals (regular rate $171)
- $166 for International Physicians (regular rate $266)

Please visit the SCCM registration desk to become a member today!
Call for Session Proposals

Have an idea for a session at the Society of Critical Care Medicine’s (SCCM) 47th Critical Care Congress?

Session proposals are submitted using the Congress Session Builder on MySCCM.org under the MY INVOLVEMENT tab. You need not be an SCCM member to submit a session. Multiple sessions may be suggested for consideration.

Please note: The Congress Program Planning Committee reserves the right to change, alter, merge, and reject sessions, titles, content, moderators, and speakers to meet programming needs. Incomplete submissions will not be reviewed.

Visit www.sccm.org/SessionProposals for complete instructions and to review frequently asked questions.

Submit your suggestions by March 3, 2017, for possible inclusion in the 2018 program.
Call for Abstracts

Make your contribution to the advancement of critical care by submitting your original investigative research and case reports for the 47th Critical Care Congress. If accepted, your work will be considered for presentation at Congress. Abstracts also will be published in *Critical Care Medicine*, the #1 critical care subspecialty journal. Those whose abstracts are accepted also enjoy other benefits:

- **Peer Evaluation** - Select abstracts will be moderated by critical care experts who will provide indispensable feedback.

- **Awards** - Multiple awards are offered, including research awards and section travel grants.

First authors who are SCCM members and non-full physicians at the time of abstract submission may be eligible for complimentary Congress registration.

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

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

Abstracts may be submitted between May 3 and August 2, 2017, at Noon Central Daylight Time.
FREE WiFi
AT THE SOCIETY
OF CRITICAL CARE
MEDICINE’S 46TH
CRITICAL CARE
CONGRESS!

Complimentary Internet access is available throughout the convention center.

How to Access the Network:
Connect using SSID: 46CCC

Sponsored by:

La Jolla Pharmaceutical
Extracorporeal Life Support Organization (ELSO) and The Society of Critical Care Medicine (SCCM) Present

ECMO Management Workshop

January 20-21, 2017

Explore the basic management principles common to Extracorporeal Membrane Oxygenation (ECMO) programs for both adult and pediatric patients.

This intense two-day simulation workshop will cover topics including basic physiology of ECMO, equipment and patient selection, economics and ethical considerations, patient management, and anticoagulation. The goal of this workshop is to provide a better understanding of the complex and dynamic interactions encountered between the ECMO circuit, the patient, and other pharmacotherapy/mechanical support devices.

The simulations are intended to be hands-on and interactive.

Websites:

www.ELSO.org  www.sccm.org/Congress

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 the Extracorporeal Life Support Organization, an independent nonprofit organization, which is solely responsible for its content and management.
CUTTING-EDGE EDUCATION FROM SCCM

SCCM has added several new products to its line of practice-enhancing resources. To purchase these products, visit the SCCM bookstore in the Critical Connections Cafe, the satellite bookstore on the Level 3 Center Concourse or visit www.sccm.org/store.

**Mechanical Ventilation: Essentials for Current Adult and Pediatric Practice**

*Mechanical Ventilation: Essentials for Current Adult and Pediatric Practice* highlights new practices in managing critically ill patients, both adult and pediatric, who require mechanical ventilation. Clinicians will find discussions on both populations valuable, regardless of their specialty. The publication focuses on specific diseases and disorders, and emphasizes clinical applicability of data, discussions and recommendations that clinicians can use at the bedside.

$75 member / $95 nonmember / Product code: MVENT

**Self-Directed ICU Liberation Performance Improvement**

The Self-Directed ICU Liberation Performance Improvement online training course provides a relaxed experience to learn at your own pace from the comfort and convenience of your home or office. The goals of this course are to review the updated ABCDEF bundle, identify any inconsistent application of the bundle and apply educational interventions for process improvement. Self-Directed ICU Liberation Performance Improvement includes eight interactive learning modules.

$185 member / $225 nonmember / Product code: LIBERATEPION

**Fundamental Critical Care Support, Sixth Edition**

*Fundamental Critical Care Support, Sixth Edition*, has been revised and expanded by critical care medicine leaders to reflect the most current guidelines and practices on caring for the critically ill and injured patient. Highlights include 31 case studies presented throughout 16 chapters and 6 appendices.

$65 member / $85 nonmember / Product code: FCCS6E

**Fundamental Critical Care Support: Tropical Diseases**

The latest addition to the Fundamentals product line, *Fundamental Critical Care Support: Tropical Diseases* prepares healthcare professionals to care for patients infected with tropical diseases. Covering topics ranging from chikungunya virus disease to Zika virus infection, this textbook covers the transmission, symptoms, management and prevention of such diseases. It is a valuable resource to anyone who may provide care in affected regions.

$25 member / $35 nonmember / Product code: FCCSTD

**Current Concepts in Adult Critical Care**

This comprehensive companion to the Current Concepts in Adult Critical Care course focuses on compelling challenges immediately pertinent to the critical care practitioner. Highlights of this edition include management of neuro-ICU emergencies, patient safety and the electronic medical record, ethical controversies in critical care and fluid management in septic shock.

$75 member / $95 nonmember / Product code: CCACC-2017
CUTTING-EDGE EDUCATION FROM SCCM

Current Concepts in Pediatric Critical Care
Look to this edition of *Current Concepts in Pediatric Critical Care* for the latest information on problems encountered in the pediatric patient. This year, highlights include innovations in the diagnosis and management of sepsis, advances in congenital heart surgery, contemporary issues in renal replacement therapies and an update on pediatric damage control resuscitation.

$75 member / $95 nonmember / Product code: CCPCC-2017

Self-Assessment in Adult Multiprofessional Critical Care, Eighth Edition
The eighth edition of *Self-Assessment in Adult Multiprofessional Critical Care* offers hundreds of multiple-choice study questions designed to help you pass your subspecialty board examination. Developed by leading experts in critical care, this self-assessment covers the top 20 critical care focus areas. Questions are based on real-world case studies, and an answer key helps you measure your progress.

$220 member / $280 nonmember / Product code: SAMCC8

Comprehensive Critical Care: Pediatric, Second Edition
*Comprehensive Critical Care: Pediatric, Second Edition,* is the most complete critical care textbook for any learner in pediatric practice. Written and edited by leading experts in pediatric critical care, the text is a compendium of current knowledge of pediatric critical care topics, filled with tables and figures to aid study and references for deeper research.

$195 member / $255 nonmember / Product code: COMPREVP2E

Advanced Knowledge Assessment in Adult Critical Care, Question Set 2
Assess your critical care knowledge with *Advanced Knowledge Assessment in Adult Critical Care, Question Set 2.* This self-study tool is designed for clinicians wanting to review their critical care knowledge while receiving maintenance of certification (MOC) credit. Comprising 150 questions and rationales with accompanying study materials, *Advanced Knowledge Assessment in Adult Critical Care, Question Set 2,* provides a comprehensive review of the whole range of critical care topics, keyed to the content areas of the American Board of Internal Medicine (ABIM), American Board of Anesthesiology (ABA) and American Board of Surgery (ABS) examinations.

$150 member / $195 nonmember / Product code: AKAACC2

Award Winning ICU Designs: How to Build a Better Facility for Patients and Caregivers
Functional ICU design is crucial to delivering quality critical care. To honor the best examples of such design, an annual awards program is co-sponsored by the Society of Critical Care Medicine, the American Association of Critical-Care Nurses, and the American Institute of Architects Academy on Architecture for Health. This interactive Web-based program contains the top projects since 1992, with each project reviewed in short video segments. The companion PDF document contains features and floor plans of each winning unit.

$200 member / $260 nonmember / Product code: ICUD17OD
Emergency Neurological Life Support (ENLS):
What to Do in the First Critical Hour of a Neurological Emergency

Thursday, January 26th, 2017
8:00 am – 4:00 pm | Hilton Hawaiian Village, Honolulu, HI

INTENDED AUDIENCE
Physicians, Nurses, Pharmacists, Emergency Medicine Professionals, Health Professionals Working in the Field of Neurocritical Care

REGISTRATION
Registration is open and being handled by the Neurocritical Care Society.
Register online at: www.neurocriticalcare.org/Meetings/ENLS-at-SCCM
For questions please contact us at info2@neurocriticalcare.org or 952-646-2033

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

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.

RECENT ENLS COURSE REVIEWS
“ENLS was tough and useful. It is an amazing compilation of important and succinct information, with practical implications. Many primary specialty textbooks do not contain the information provided by ENLS, especially up-to-date details that guide fast-paced management decisions from the first encounter with the neurological or neurosurgical patient in the ED to his/her long-term NICU stay. Despite the fact that I am a mid-career neurointensivist with years of experience, I found few module questions quite challenging. I have definitively learned something new.”
– Panayiotis Varelas, MD, Henry Ford Hospital

“ENLS offers nurses with or without experience in neurocritical care an opportunity to develop expertise in how to manage neurologic emergencies. Skills learned though ENLS may mean the difference between recognizing time-sensitive patient changes and saving a life or missing subtle hints a patient is in distress. I cannot recommend this training enough, its mandatory training for those who routinely care for neurocritical care patients and highly recommended to any nurse who may occasionally find themselves caring for a patient with stroke, trauma or other neurologic emergency.”
– Sarah Livesay, DNP, RN, ACNP-BC, ACNS-BC, Rush University (Chicago, IL)

TO REGISTER FOR THIS COURSE, VISIT:
www.neurocriticalcare.org/Meetings/ENLS-at-SCCM

SIGN UP TODAY!

The Joint Commission recently acknowledged that ENLS training satisfies continuing education training requirements for Comprehensive Stroke Center certification.

“*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.*"
You have a department to run with a staff that needs to concentrate on patient care. The epoc® System is the tool to help you improve your blood gas and electrolyte testing process. With features such as positive patient identification, wireless communication and SmartCard technology, your staff can do everything they need to do standing at the patient’s side.

To see how “Less is more,” contact your Alere representative for a demonstration and a discussion about how the epoc® System can improve your process. 1.877.441.7440 or visit alere-epoc.com.
Use the App to enhance your Congress experience.

• 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.
• Access floor plans.

The Congress App is available within the SCCM App. Download the SCCM App and navigate to the SCCM Events icon. Apps designed specifically for the iPhone, iPad and Android are available now! Search “SCCM” in Google Play or the iTunes store. You can also download the SCCM App at www.sccm.org/SCCMApp.

All of SCCM’s resources are in one central location with the SCCM App! The SCCM App provides access to the 46th Critical Care Congress App, the new Critical Care Quiz, Surviving Sepsis Campaign App, iCritical Care episodes, SCCM Member Directory, Guidelines, News, Career Central, and much more!
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 at the SCCM registration desk in the Main Lobby. An electric scooter is also available for use within the convention center at no charge and may be reserved from the Business Center located on Level 3 of the Convention Center.

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 in the Main Lobby. A nominal fee may be charged for replacement badges. SCCM Council members and leaders, Congress Program Planning Committee members and Congress faculty/moderators are easily identified by the ribbons affixed to their badges.

Business Center
The Business Center is located on Level 3 and will be open during all Congress activities. Services include photocopying, faxing and shipping. Major credit cards are accepted for services and purchases.

Childcare
For guests staying at the Hilton Hawaiian Village, the hotel offers Camp Penguin. Guests can register for this camp at the Hilton's Activities Director's desk, located in the Main Lobby, at least 24 hours in advance. Aloha Sitters/KeikiSitters and Kama’aina Kids are two childcare services that have been used by guests staying at other Congress hotels. Please note that SCCM does not endorse or screen any childcare provider. Parents and guardians should screen providers before hiring.

Aloha Sitters/KeikiSitters: +1 808 861-7294
Kama’aina Kids: Oahu
+1 808 372-5992

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 in the Main Lobby.

Congress App
The Congress App, sponsored by Sage Therapeutics (Booth #632), is now available within the SCCM App. Download the SCCM App and navigate to the SCCM Events icon. Access complete listings of the sessions, business meetings, abstracts, research snapshot theaters and more. Check into sessions via the Congress App to help expedite your process of claiming continuing education credit and explore new ways to network with other attendees.

Search “SCCM” in Google Play or the iTunes Store or download the SCCM App at www.sccm.org/SCCMApp.

All of SCCM’s resources are in one central location with the SCCM App. The SCCM App provides access to the 46th Critical Care Congress App, the new Critical Care Quiz, iCritical Care episodes, SCCM Member Directory, Guidelines, News, Career Central, and much more.

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 the afternoon symposia. Your subscription to this resource is included in your Congress registration fee. You will receive an e-mail with the access instructions approximately 2 weeks after Congress has ended. Non-full Congress attendees can purchase Congress On Demand in the SCCM Store. ($295 for members/$385 for nonmembers).

Continuing Education Information
For information on learning objectives, credit hours and eligible professions, and instructions on how to claim your continuing medical education/continuing education and maintenance of certification credit, please visit www.sccm.org/Congress. Computer stations are available near SCCM Registration in the main lobby of the Hawaii Convention Center. If you have any questions, please contact SCCM Customer Service by e-mail at support@sccm.org or by phone at +1 847 827-6888.
GENERAL INFORMATION

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

Emergency Procedures
The safety and security of attendees is the first priority of SCCM and the Hawaii Convention Center. In the event of a medical emergency, dial 911 from any house phone. For all other emergencies, contact an SCCM staff member, call Building Security by pressing 0 or 3000 from any house phone or stop by the Information Desk located in the Main Lobby of the convention center.

Exhibit Hall Hours
The Exhibit Hall, located on Level 1, will be open during the following hours:
- SUNDAY, JANUARY 22, 2017: 7:30 A.M. – 2:00 P.M.
- MONDAY, JANUARY 23, 2017: 7:15 A.M. – 1:45 P.M.
- TUESDAY, JANUARY 24, 2017: 7:15 A.M. – 1:45 P.M.

First Aid
For immediate first aid assistance, emergency medical services are available in the First Aid Office, located on Level 3 near Room 318.

Information Desk
Stop by the Information Desk for details on local dining, attractions, technical support and other general questions. The Information Desk is located in the Main Lobby of the convention center.

Luggage Check
Luggage check services are available in the Main Lobby during the following hours:
- FRIDAY, JANUARY 20, 2017: 6:00 A.M. – 12:30 P.M.
- SATURDAY, JANUARY 21, 2017: 6:00 A.M. – 12:30 P.M.
- SUNDAY, JANUARY 22, 2017: 6:00 A.M. – 2:30 P.M.
- MONDAY, JANUARY 23, 2017: 6:00 A.M. – 2:15 P.M.
- TUESDAY, JANUARY 24, 2017: 6:00 A.M. – 2:15 P.M.
- WEDNESDAY, JANUARY 25, 2017: 7:30 A.M. – 11:45 A.M.
Fees: $2.00 per item.

Mothers’ Room
The Family Restroom on Level One of the convention center has been reserved to allow privacy for nursing mothers.

Recording and Photography
No personal photography or recording is allowed at any Congress session or in the Exhibit Hall at any time.

Registration
Registration is located in the Main Lobby and will be open during the following hours:
- THURSDAY, JANUARY 19, 2017: 1:00 P.M. – 4:00 P.M.
- FRIDAY, JANUARY 20, 2017: 6:00 A.M. – 12:30 P.M.
- SATURDAY, JANUARY 21, 2017: 6:00 A.M. – 12:30 P.M.
- SUNDAY, JANUARY 22, 2017: 6:00 A.M. – 2:30 P.M.
- MONDAY, JANUARY 23, 2017: 6:00 A.M. – 2:15 P.M.
- TUESDAY, JANUARY 24, 2017: 6:00 A.M. – 2:15 P.M.
- WEDNESDAY, JANUARY 25, 2017: 7:30 A.M. – 11:45 A.M.
Self-serve registration kiosks are also available 24 hours a day in the lobbies of the Hilton Hawaiian Village and the Sheraton Waikiki, Thursday through Sunday.

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 319, which is open during the following hours:
- THURSDAY, JANUARY 19, 2017: 1:00 P.M. – 4:00 P.M.
- FRIDAY, JANUARY 20, 2017: 6:00 A.M. – 12:30 P.M.
- SATURDAY, JANUARY 21, 2017: 5:30 A.M. – 12:30 P.M.
- SUNDAY, JANUARY 22, 2017: 5:30 A.M. – 2:30 P.M.
- MONDAY, JANUARY 23, 2017: 5:45 A.M. – 2:30 P.M.
- TUESDAY, JANUARY 24, 2017: 5:15 A.M. – 2:45 P.M.
- WEDNESDAY, JANUARY 25, 2017: 6:45 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 #502), is available in the Hawaii Convention Center. Connect using SSID: 46CCC.
Shock is a common and deadly clinical syndrome that occurs in critically ill patients. Clinical teams are often challenged with initiating the treatment of shock before or during the diagnostic process. The treatment of shock requires the maintenance of end-organ perfusion with the goal of preventing organ injury and organ failure. However, recently published data on approaches to fluid resuscitation and commonly used vasopressors have impacted the clinical approach and therapeutic decision-making by critical care teams. There is an educational need for clinical teams to understand the standard and emerging approaches to assessing shock.

Program

Volumetric Assessment in Shock
Raghavan Murugan, MD, MS, FRCP, FCCM
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania, USA

Preserving End-Organ Perfusion
Lawrence W. Busse, MD
Emory University
Atlanta, Georgia, USA

Emerging Therapeutic Strategies
Ashish K. Khanna, MD, FCCP
Cleveland Clinic Foundation
Cleveland, Ohio, USA

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

Attend this CME-/CE-eligible afternoon symposium held during the Society of Critical Care Medicine’s 46th Critical Care Congress. This engaging presentation will provide an opportunity to network with colleagues and enjoy Hawaiian cuisine and culture. Space is limited. Seating is on a first-come, first-served basis.
The Society of Critical Care Medicine (SCCM) is pleased to announce its newest endeavor:

Through Discovery, SCCM will foster collaborative research to promote the advancement of science in the field to improve outcomes for critically ill and injured patients. Discovery will seek to exponentially increase research in the critical care field and use SCCM’s existing broad base of programs to disseminate its findings into practice.

Joining SCCM for the launch of this endeavor is the United States Critical Illness and Injuries Trials (USCIIT) and the Critical Care Pharmacotherapy Trials Network (CCPTN), who will become part of the new Discovery program. Bringing together these highly successful existing networks will jump-start Discovery activities. Other existing research networks with a similar focus are also invited to join SCCM in this exciting endeavor.

The Society will support Discovery with a multimillion-dollar investment in professional staff, infrastructure and research grants. In addition, the Discovery Oversight Committee and Discovery Steering Committee have been established to provide guidance for an inclusive, diverse, integrated and multidisciplinary network for research that improves outcomes across the continuum of care for critically ill patients and their families.

Please consider how Discovery can assist you in your research. Whether by connecting you with fellow investigators or accessing Discovery’s clinical informatics team, data and safety monitoring groups, Health Insurance Portability and Accountability Act (HIPAA)-compliant central registries or new SCCM-Weil research grants, we are eager to engage with you and your investigators. Join SCCM’s Research Section to keep abreast of Discovery activities and find out more about how you can participate.

For further information and inquiries, please contact us at discovery@sccm.org.
Revolutionary feeding tube makes placement quick, safe, and easy.

(1) Bedside indication that the feeding tube is safely inside the esophagus with no drop in pulse oximetry. (2) The Feeding tube is fully inserted into the stomach with no occlusion by kinking. (3) Peristalsis naturally advances the Gabriel Feeding Tube, using the balloon, into the small intestine.


GABRIEL FEEDING TUBE WITH BALLOON

To learn more about this patient-care enhancing product, please visit BOOTH #815 and online at syncromedical.com.
This year at Congress, you can join the conversation of a Congress session via Twitter. Select sessions will feature unique hashtags to facilitate a special segment titled “Conversing with the Experts: Panel Discussion.” These question-and-answer segments will allow session attendees, as well as those not in attendance, to participate.

Live tweets will be displayed on screen and presented to the speaker(s) during the session. Session titles and their Twitter hashtags are shown below. Don't forget to also use the Congress hashtag #CCC46 for all your tweets!

<table>
<thead>
<tr>
<th>Session Title</th>
<th>Beginning Time</th>
<th>Room</th>
<th>Hashtag</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUNDAY, JANUARY 22, 2017</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Peter Safar Memorial Lecture:</em> “Fallen”: A Transdisciplinary Tale of Disturbance and Recovery</td>
<td>6:30 A.M.</td>
<td>Ballroom</td>
<td>#ThriveICU</td>
</tr>
<tr>
<td><em>Critical Care Societies Collaborative Joint Session: Burnout in ICU Healthcare Professionals:</em></td>
<td>8:30 A.M.</td>
<td>Room 316</td>
<td>#StopICUBurnOut</td>
</tr>
<tr>
<td><em>Max Harry Weil Memorial Lecture: Collapse of the Microbiome, Emergence of the Pathobiome,</em></td>
<td>10:45 A.M.</td>
<td>Ballroom</td>
<td>#Immuno46</td>
</tr>
<tr>
<td>and the Immunopathology of Critical Illness</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MONDAY, JANUARY 23, 2017</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Lifetime Achievement Award Winner:</em> The Brain and Hypothermia: From Aristotle to Targeted Temperature Management, the Good Stuff Keeps Coming Back*</td>
<td>6:30 A.M.</td>
<td>Ballroom</td>
<td>#CoolingintheICU</td>
</tr>
<tr>
<td><em>Hot Topics and Late-Breaking Science:</em> Physician-Assisted Suicide and Euthanasia in the Intensive Care Unit: A Dialogue on Core Ethical Issues*</td>
<td>8:30 A.M.</td>
<td>Ballroom</td>
<td>#SCCMLive</td>
</tr>
<tr>
<td><em>Ake Grenvik Honorary Lecture: ABCDE and F Bundle:</em> The Science Behind Liberating ICU Patients and Families*</td>
<td>10:30 A.M.</td>
<td>Ballroom</td>
<td>#ICULiberation</td>
</tr>
<tr>
<td><em>International Guidelines for the Management of Sepsis and Septic Shock:</em> SCCM/ESICM Joint Session*</td>
<td>11:30 A.M.</td>
<td>Ballroom</td>
<td>#SCCMLive</td>
</tr>
<tr>
<td><strong>TUESDAY, JANUARY 24, 2017</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>William Shoemaker Memorial Lecture:</em> Innovative, Interdisciplinary Strategies to Address the Intensivist Shortage*</td>
<td>6:30 A.M.</td>
<td>Ballroom</td>
<td>#ICUstaffing</td>
</tr>
<tr>
<td><em>Sitting in a River of Blood without a Paddle</em></td>
<td>7:30 A.M.</td>
<td>Room 313</td>
<td>#Blood46</td>
</tr>
<tr>
<td><em>Building Global Collaboration in Acute Care Research</em></td>
<td>10:30 A.M.</td>
<td>Ballroom</td>
<td>#CritCareResearch</td>
</tr>
<tr>
<td><strong>WEDNESDAY, JANUARY 25, 2017</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Breaking Down the Silos to Improve Critical Care Delivery</em></td>
<td>9:15 A.M.</td>
<td>Room 316</td>
<td>#DeliverCritCare</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CRITICAL CROSSTALK

Participate in stimulating debates on critical care with SCCM faculty members!

Each session will be moderated by members of the In-Training Section and two expert panelists will lead an engaging discussion.

The Critical Crosstalk Theater is located in the Exhibit Hall. Session dates and times are below.

MONDAY, JANUARY 23, 2017 • 8:30 A.M. – 9:30 A.M.

eICU: Here to Stay or Run Away?
Moderator: Ashish K. Khanna
Experts: Daniel R. Brown, Craig M. Lilly

MONDAY, JANUARY 23, 2017 • 11:30 A.M. – 12:30 P.M.

Ask Not What the Society Has Done for You; Ask What You Have Done for the Society!
Moderator: Utpal S. Bhalala
Experts: Timothy S. Yeh, Timothy G. Buchman

TUESDAY, JANUARY 24, 2017 • 8:30 A.M. – 9:30 A.M.

An ICU Is Only as Good as Its Team Members
Moderator: Utpal S. Bhalala
Experts: Vinay M. Nadkarni, Judith Jacobi

TUESDAY, JANUARY 24, 2017 • 11:30 A.M. – 12:30 P.M.

Social Media in the ICU: Likes, Dislikes, and Such!
Moderator: Ashish K. Khanna
Experts: Heatherlee Bailey, Anthony T. Gerlach
FRIDAY, JANUARY 20, 2017

6:00 A.M. - 6:30 A.M. • Outside Meeting Rooms
Continental Breakfast

6:30 A.M. - 1:00 P.M. • Room: 314
PRE-Congress Educational Session — Additional Registration Required

Advances in Veterinary Critical Care: The Critical Kidney — Day 1
(see page 20 for Day 2)
Moderator: Benjamin Brainard

- Current Assessment of Acute Kidney Injury: Classification and Role of Conventional Biomarkers
  Larry Cowgill
- Future Assessment of the Acute Kidney Injury: Role of Novel Biomarkers in Acute Kidney Injury and Beyond
  Larry Cowgill
- Role of Extracorporeal Therapies in Critical Care
  Larry Cowgill
- Extracorporeal Management of Peracute Immune-Mediated Disease and Exogenous Poisoning
  Larry Cowgill
- Break
- Role of Hemodialysis for Acute Kidney Injury
  Larry Cowgill
- Progressive Nature of Kidney Disease: Is Progressive Chronic Kidney Disease a Slow-Moving Acute Kidney Injury?
  David Polzin
- Dysnatremias in Renal Patients: Principles of Diagnosis and Management
  David Polzin
- Quantitative Understanding of the Distribution of Resuscitative Fluids in Dogs
  Larry Cowgill
- Appropriate and Inappropriate Fluid Management of Acute Kidney Injury
  Larry Cowgill
- Appropriate and Inappropriate Fluid Management of Glomerular Disease
  David Polzin
- Complementary or Differential Role of Serum Creatinine and Symmetric Dimethylarginine in the Assessment of Kidney Function
  David Polzin

6:30 A.M. - 12:00 P.M. • Room: 317
PRE-Congress Educational Session — Additional Registration Required

ACCP/SCCM Critical Care Pharmacy Preparatory Review and Recertification Course — Day 1 (see page 21 for Day 2)
Moderator: Amy L. Dzierba

- Shock Syndromes
  Mitchell J. Daley, Seth R. Bauer
- Pulmonary Disorders
  Amy L. Dzierba, Ishaq Lat
- Break
- Hepatic Failure
  Seth R. Bauer
- Supportive and Preventive Medicine
  Amy L. Dzierba
- Acute Cardiac Care
  Scott T. Benken

Held in partnership with

Download the Congress App at www.sccm.org/SCCMApp
Program and faculty are subject to change.
FRIDAY, JANUARY 20, 2017
6:30 A.M. - 12:00 P.M. • Room: 310
PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED
Current Concepts in Adult Critical Care – Day 1 (see page 21 for Day 2)
Moderators: Jennifer A. LaRosa, David C. Kaufman

- Welcome and Opening Remarks
  Jennifer A. LaRosa
- Management of Seizures and Acute Intracranial Hypertension in the Neurocritical ICU
  Debra E. Roberts
- Patient Safety and the Electronic Medical Record
  Jennifer A. LaRosa
- Mechanical Ventilation: The Evidence for Lung Protection and Adjunct Measures
  Richard D. Branson
- Questions and Answers
  Jennifer A. LaRosa, David C. Kaufman, Debra E. Roberts

- Break
- Too Much of a Good Thing: De-Escalation of Antibiotics in Septic Shock
  Paritosh Prasad
- Who Should Manage Surgical Patients in the Intensive Care Unit?
  Kristin Korderas
- Mechanical Circulatory Support and Adult Extracorporeal Membrane Oxygenation: An Update for the Adult Intensivist
  Peter Barrett
- Critical Care in the Trauma ICU
  Yanjie Qi
- Questions and Answers
  Yanjie Qi, Kristin Korderas, Paritosh Prasad

6:30 A.M. - 12:00 P.M. • Room: 320
PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED
Current Concepts in Pediatric Critical Care – Day 1 (see page 22 for Day 2)
Moderators: James S. Killinger, Christopher W. Mastropietro

- Innovations in the Diagnosis and Management of Sepsis
  Heidi R. Flori
- Uncontrolled Inflammation in the Pediatric ICU
  Jennifer A. McArthur
- Seven Deadly Imported Infections That Could Present to Your PICU
  Patrick T. Wilson
- Antimicrobial Stewardship in Pediatric Intensive Care
  Elizabeth H. Mack
- Conversing with the Experts: Panel Discussion
  Heidi R. Flori, Elizabeth H. Mack, Patrick T. Wilson, Jennifer A. McArthur

- Break
- Cardiac Output Monitoring in the Pediatric ICU: State of the Art
  Aimee C. Jennings
- Advances in Laryngotracheal Reconstruction
  Ken Tegtmeyer
- ICU Management of the Ventilator Dependent Child
  Veda L. Ackerman
- Pro/Con Debate: Pediatric Subspecialty ICUs Improve Care
  Jeffrey P. Burns, Bruce M. Greenwald
- Conversing with the Experts: Panel Discussion
  Jeffrey P. Burns, Bruce M. Greenwald, Veda L. Ackerman, Ken Tegtmeyer, Aimee C. Jennings

Sessions will be held at the convention center unless otherwise noted.
SATURDAY, JANUARY 21, 2017

6:00 A.M. - 6:30 A.M. • Outside Meeting Rooms
Continental Breakfast

6:30 A.M. - 12:00 P.M. • Room: 313
PRE-Congress Educational Session — Additional Registration Required
Adult Airway Management in the Critically Ill
Moderators: Daniel A. Diedrich, Gregory E. Kerr
• Airway Assessment and Interactive Cases
  Daniel A. Diedrich
• Laryngoscopy: Direct Versus Video
  Gregory E. Kerr, Jonathan Hastie
• Extraglottic Removal: King/Arndt and Laryngeal Mask Airway/Aintree
  David W. Barbara, Nathan J. Smischney
• Surgical and Percutaneous Cricothyroidotomy
  Adam Evans, Beth A. Ballinger
• Extraglottic Airway
  John C. Klick, Shreyajit Kumar

6:30 A.M. - 12:00 P.M. • Rooms 308/310, University of Hawaii Translational Health Science Simulation Center, Webster Hall
Shuttle transportation to the University of Hawaii departs from all Congress hotels beginning at 5:00 a.m.
Shuttle transportation will return to all Congress hotels at 12:00 p.m.
PRE-Congress Educational Session — Additional Registration Required
Adult Multidisciplinary ICU Simulation Bootcamp
Moderator: Jose L. Pascual
• Introduction: Overview and Objectives
  Jose L. Pascual
• Icebreaker and Debrief
  All Faculty
• Simulation 1 and Debrief
• Simulation 2 and Debrief
• Simulation 3 and Debrief
• Simulation 4 and Debrief
• Simulation 5 and Debrief
  Led by: Kevin Matsumoto, Jose L. Pascual, Lillian Liang Emlet, Brian P. Smith, Tensing Maa
• Conclusion, Wrap-Up, and Feedback
  Jose L. Pascual

6:30 A.M. - 1:00 P.M. • Room: 314
PRE-Congress Educational Session — Additional Registration Required
Advances in Veterinary Critical Care: The Critical Kidney – Day 2
(see page 18 for Day 1)
Moderator: Benjamin Brainard
• The Ins and Outs of Blood Product Selection, Administration, and Storage
  Marie Kate Holowaychuk
• Updates on Hemoglobin-Based Oxygen Carriers, Canine Albumin, and Other So-Called “Alternative” Blood Products
  Marie Kate Holowaychuk
• Selection and Screening of Canine Donors: Infectious Disease Screening and Beyond
  Marie Kate Holowaychuk
• Break
• Selection and Screening of Feline Donors: Infectious Disease Screening and Beyond
  Marie Kate Holowaychuk
• Recipient Screening: What’s New with Blood-Typing and Crossmatching in Dogs and Cats?
  Marie Kate Holowaychuk
• Blood Product Sparing Techniques: Xenotransfusion, Autologous Transfusion, and More!
  Marie Kate Holowaychuk
• Emergency Critical Care: Year in Review
  Benjamin Brainard
6:30 A.M. - 12:00 P.M. • Room: 317

**PRE-Congress Educational Session — Additional Registration Required**

**ACCP/SCCM Critical Care Pharmacy Preparatory Review and Recertification Course – Day 2 (see page 18 for Day 1)**

*Held in partnership with*

**Moderator: Simon W. Lam**

- Infectious Diseases I  
  Simon W. Lam
- Infectious Diseases II  
  Simon W. Lam
- Neurocritical Care  
  Gretchen M. Brophy
- Break
- Sedation  
  Joanna L. Stollings
- Medication Safety  
  Sandra L. Kane-Gill
- Research Designs  
  Ishaq Lat

6:30 A.M. - 12:00 P.M. • Room: 310

**Pre-Congress Educational Session — Additional Registration Required**

**Current Concepts in Adult Critical Care – Day 2 (see page 19 for Day 1)**

*Moderators: Jennifer A. LaRosa, David C. Kaufman*

- Welcome Back  
  Jennifer A. LaRosa, David C. Kaufman
- Development, Evaluation, and Verification of Competencies: What Advanced Practice Providers and Physician Leaders Can Learn from Each Other  
  Heather Meissen
- Ethical Controversies in Critical Care  
  David C. Kaufman
- Liver Transplant for the Non-Transplant Provider  
  Ram M. Subramanian
- Questions and Answers  
  Heather Meissen, David C. Kaufman, Ram M. Subramanian
- Break
- Sepsis Smorgasbord: Guidelines, Definitions, and Centers for Medicare and Medicaid Services Measures  
  R. Phillip Dellinger
- Critical Care Billing, Coding, and Documentation  
  Michael J. Apostolakos
- Questions and Answers  
  R. Phillip Dellinger, Michael J. Apostolakos
- Fluid Management in Septic Shock: Liberal or Conservative  
  R. Phillip Dellinger, John Boyd
- Questions and Answers  
  R. Phillip Dellinger, Michael J. Apostolakos
6:30 A.M. - 12:00 P.M. • Room: 320

PRE-Congress Educational Session — Additional Registration Required

Current Concepts in Pediatric Critical Care – Day 2 (see page 19 for Day 1)
Moderators: James S. Killinger, Christopher W. Mastropietro

• Contemporary Trends and Controversies in Pediatric Cardiac Critical Care
  Christopher W. Mastropietro

• Challenges in the Management of the Critically Ill Burn Patient
  Tracy Karen Koogler

• Update on Pediatric Damage Control Resuscitation
  Matthew A. Borgman

• Pharmacological Considerations for Special Populations
  Elizabeth S. Goswami

• Conversing with the Experts: Panel Discussion
  Elizabeth S. Goswami, Tracy Karen Koogler, Christopher W. Mastropietro, Matthew A. Borgman

• Break

• The Utility of Telemedicine in Pediatric Critical Care
  James Paul Marcin

• Renal Replacement Therapies in the Pediatric ICU: Past, Present, and Future
  Rajit Basu

• Leading an ECMO Program in Hawaii
  Len Y. Tanaka

• Pro/Con Debate: There Are No Absolute Contraindications to Extracorporeal Membrane Oxygenation
  David A. Turner, James S. Killinger

• Conversing with the Experts: Panel Discussion
  James S. Killinger, David A. Turner, Rajit Basu, Len Y. Tanaka, James Paul Marcin
6:30 A.M. - 12:00 P.M. • Room: 316
PRE-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Fundamentals Faculty Academy
Moderator: Keith Killu

- Welcome and Course Overview
  Keith Killu

- Adult Learning Principles
  Mary J. Reed

- Overview of Running a Licensed Course
  Keith Killu, David J. Dries

- Case Studies
  Karl L. Serrao, Michael D. Christian

- Use of Simulation as a Teaching Tool and Use of Rapid-Cycle Deliberate Practice
  Gregory H. Botz

- Fundamental Critical Care Support, 6th Edition: What’s New and Upcoming?
  Keith Killu, David J. Dries

- Conducting Skill Stations in Low, Medium, or High Fidelity
  Michele C. Papo, Mark E. Hamill

- Break

- Skill Stations, Part I

- Skill Station 1: How to Conduct a Course
  Keith Killu, David J. Dries

- Skill Station 2: How to Run an Integration Skill Station: Using Low-, Medium-, and High-Fidelity Scenarios
  Gregory H. Botz, Mark E. Hamill

- Skill Station 1 (repeated): How to Conduct a Course
  Keith Killu, David J. Dries

- Skill Station 2 (repeated): How to Run an Integration Skill Station: Using Low-, Medium-, and High-Fidelity Scenarios
  Gregory H. Botz, Mark E. Hamill

- Skill Stations, Part II

- Fundamental Critical Care Support: Assessment of the Seriously Ill and Hemorrhagic Shock
  Keith Killu, Mark E. Hamill, David J. Dries

- Pediatric Fundamental Critical Care Support: Pediatric Transport and Sedation
  Karl L. Serrao, Michele C. Papo, Gregory H. Botz

- Fundamental Disaster Management: PPE and Triage
  Mary J. Reed, Michael D. Christian

- Ask the Experts
  Keith Killu, Mary J. Reed, Karl L. Serrao, Michael D. Christian, Gregory H. Botz, Michele C. Papo, Mark E. Hamill, David J. Dries

- Course Wrap-Up and Evaluation
  Keith Killu, Mary J. Reed, Karl L. Serrao, Michael D. Christian, Gregory H. Botz, Michele C. Papo, Mark E. Hamill, David J. Dries
6:30 A.M. - 12:00 P.M. • Room: 323

**PRE-Congress Educational Session — Additional Registration Required**

**Hemodynamic Monitoring: From Cardiovascular Physiology to Applied Intensive Care Medicine**

Moderators: Jean-Louis Teboul, Michael R. Pinsky

- Introduction
  Michael R. Pinsky
- Vascular Pressure Monitoring: Applications and Pitfalls
  R. Phillip Dellinger
- Indicator Dilution-Derived Cardiac Output and Advanced Analytic Variables
  Jean-Louis Teboul
- Cardiac Output by Arterial Pressure Waveform Analysis: Minimally Invasive and Noninvasive Techniques
  Maxime Cannesson
- Measures of Tissue Perfusion and Oxygenation
  Hernando Gomez
- Break
- Ultrasound-Based Hemodynamic Monitoring
  Colin K. Grissom
- Functional Hemodynamic Monitoring
  Michael R. Pinsky
- Case-Based Demonstration: Cardiogenic Shock
  Colin K. Grissom, Hernando Gomez
- Case-Based Demonstrations: Septic Shock
  Michael R. Pinsky, Jean-Louis Teboul
- Wrap-Up with Questions and Answers
  Michael R. Pinsky, Jean-Louis Teboul, Colin K. Grissom, Hernando Gomez

6:30 A.M. - 12:00 P.M. • Room: 311

**Pre-Congress Educational Session — Additional Registration Required**

**Ho’ola hou (Revive): Resuscitation Officers Training Program (Code Blue and Medical Emergency Teams)**

Moderators: David F. Gaieski, Edward Stapleton

- State of the Science: Resuscitation
  Robert A. Berg
- Building a Great Hospital Code Team and Medical Emergency Response Team
  Elizabeth A. Hunt
- Documentation and Risk Management
  Lynda J. Knight
- Goal-Directed Resuscitation During Cardiac Arrest
  Robert Neumar
- The Heart: Ultrasound, Percutaneous Coronary Intervention, and Extracorporeal Cardiopulmonary Resuscitation
  Karl B. Kern
- Break
- Focus on Post-Cardiac Arrest Care: What’s Hot or Cold After Return of Spontaneous Circulation?
  Alexis Ann Topjian
- Novel Training and Maintenance of Quality
  Vinay M. Nadkarni
- Prevention, Recognition, and Rescue: Early Warning Scores and Response
  Dana Edelson
- When to Stop, When Not to Start, Resuscitation
  David M. Greer
- Ho’ola hou (Revive): How to Regionalize and Move Forward
  Edward Stapleton

SATURDAY, JANUARY 21, 2017
6:30 A.M. - 12:00 P.M. • Room: 312
PRE-Congress Educational Session — Additional Registration Required
Liver Failure in the ICU: Key Concepts and Management Principles
Moderators: Rahul S. Nanchal, Ram M. Subramanian
- Epidemiology of Liver Failure and Implications for Management
  Jody C. Olson
- Brain, Liver, Gut Connection in Liver Failure
  Prem A. Kandiah
- The Cardiovascular System in Liver Disease: Physiologic Alterations and Management Principles
  Steven M. Hollenberg
- Respiratory Alterations in Liver Failure
  Robert C. Hyzy
- Bleeding and Thrombosis in Liver Disease
  Constantine J. Karvellas
- Break
- Liver-Kidney Crosstalk: Physiology and Management Implications
  Kai Singbartl
- Infectious Complications in Liver Failure
  Rahul S. Nanchal
- Gastrointestinal Manifestations of Liver Disease
  David J. Kramer
- The Evolving Role of Extracorporeal Support in Liver Failure
  Ram M. Subramanian
- Perioperative Management of the Liver Transplant Patient: Practical Pearls
  Randolph H. Steadman

6:30 A.M. - 12:00 P.M. • Room: 318
PRE-Congress Educational Session — Additional Registration Required
Nutrition Research Workshop: From Bench to Bedside
Supported by an educational grant from Abbott Nutrition
Moderators: Sandra L. Kane-Gill, Nilesh M. Mehta
- Welcome and Learning Objectives
  Sandra L. Kane-Gill, Nilesh M. Mehta
- Gut Microbiome
  Michael Morowitz
- Critical Illness Weakness: More than Just Mobility
  Peter E. Morris
- Circadian Rhythm
  Erin C. Hanlon
- Pro-Resolving Lipid Mediators
  Matthew R. Spite
- Poster Presenter
  TBD
- Enteral Nutrition Guidelines Reduce Parenteral Nutrition Utilization
  Mary G. Gaspers
- Break
- What Does the Literature Tell Us About Nutrition in Critically Ill Children?
  Nilesh M. Mehta
- Teamwork and Strategies to Implement PICU Nutrition Practice Guidelines at the Bedside
  Heather E. Skillman
- Review and Update of the New SCCM/A.S.P.E.N. Critical Care Nutrition Guidelines
  Todd W. Rice
- Implementation of the Adult Guidelines at the Bedside
  Beth E. Taylor
- Panel Discussion
  Nilesh M. Mehta, Todd W. Rice, Beth E. Taylor, Heather E. Skillman
- Wrap-Up and Evaluation
**What You Need to Know to Manage the Neurologically Critically Ill Patient**

Moderators: Lori A. Shutter, Matthew A. Koenig

- Ischemic Stroke
  Chad Miller
- Intracerebral Hemorrhage
  Jose I. Suarez
- Status Epilepticus
  Jan Claassen
- Coma and Altered Mental Status
  Soojin Park
- Infectious Diseases: Meningitis, Encephalitis, and Toxins
  Ruchira Jha
- Break
- Traumatic Brain Injury and Acute Spinal Cord Injury
  Lori A. Shutter
- Neuromuscular Illness in the ICU: Myasthenia Gravis, Guillain-Barré Syndrome, and Critical Illness Polyneuropathy
  Edward M. Manno
- Managing the Neurologically Critically Ill Child
  Katherine V. Biagas
- Prognosis in the Neurologically Critically Ill Patient
  Matthew A. Koenig
- Brain Death
  David M. Greer
SUNDAY, JANUARY 22, 2017

6:00 A.M. - 6:30 A.M. • Ballroom Lobby
Continental Breakfast

6:30 A.M. - 8:00 A.M. • Ballroom
OPENING SESSION
Welcome
2017 Presidential Address

Ruth M. Kleinpell, RN-CS, PhD, FCCM
Director, Center for Clinical Research and Scholarship
Rush University Medical Center
Chicago, Illinois, USA

PLENARY SESSION
PETER SAFAR MEMORIAL LECTURE
“Fallen”: A Transdisciplinary Tale of Disturbance and Recovery #ThriveICU

Nalini Nadkarni, PhD
Professor of Biology
University of Utah
Salt Lake City, Utah, USA
Moderator: Vinay Nadkarni

7:30 A.M. - 2:00 P.M.
Exhibit Hall Open

8:00 A.M. - 8:30 A.M. • Exhibit Hall
Refreshment Break

8:15 A.M. - 9:15 A.M. • Room: Exhibit Hall
Research Snapshot Theaters
(see pages 55-60 for all Research Snapshot Theaters)

8:30 A.M. - 9:30 A.M. • Room: 315
Endotypes in Critical Care: Patient Heterogeneity and Outcomes
Moderator: Jose Javier Provencio
• Syndromes, Subtypes, and the Curse of Heterogeneity
  David M. Maslove
• Endotypes in Sepsis: Genomic Determinants
  John Boyd
• Endotypes in Acute Respiratory Distress Syndrome: Clinical Determinants
  Carolyn S. Calfee

8:30 A.M. - 9:30 A.M. • Room: 320
Exploring the Uses of EEG in the ICU
Moderator: Thomas P. Bleck
• Optimizing Blood Pressure Using EEG
  Gregory Kapinos
• Simplified Processes: EEG Versus Montage, Detecting Occult Seizures in the ICU
  Jan Claassen

8:30 A.M. - 9:30 A.M. • Room: 310
Be Still, My Heart: New-Onset Atrial Fibrillation in the Critically Ill Patient with Shock
Moderator: Ishaq Lat
• Etiology of New-Onset Atrial Fibrillation in the Patient with Shock
  Daniel P. De Backer
• Shock in Atrial Fibrillation: Which Pharmacologic Agent Should I Use?
  Martin J. Ohlinger
• Sequelae from New-Onset Atrial Fibrillation
  Joseph E. Parrillo

Sessions will be held at the convention center unless otherwise noted.
8:30 A.M. - 10:30 A.M. • Room: 312
Advanced Rescue Maneuvers for Management of Severe Acute Respiratory Distress Syndrome

Moderator: Richard D. Branson

- Coming to the Rescue: Inverse Ratio Ventilation, Bilevel, and High-Frequency Oscillatory Ventilation in the Setting of Severe Hypoxemia
  Richard D. Branson
- The Role of Pulmonary Vasodilators for Severe Acute Respiratory Distress Syndrome
  Steven Q. Simpson
- Neuromuscular Blocking Agents for Severe Acute Respiratory Distress Syndrome: When to Use and How to Monitor
  Gozde Demiralp
- Noninvasive Airway Clearance and Lung Expansion Methods for Severe Acute Respiratory Distress Syndrome
  Robert A. Balk
- Up or Down: Rollercoasters of Positioning During Severe Acute Respiratory Distress Syndrome
  Abubakr A. Bajwa

8:30 A.M. - 10:30 A.M. • Room: 316
CRITICAL CARE SOCIETIES COLLABORATIVE JOINT SESSION

Burnout in ICU Healthcare Professionals: Implementing a Call to Action

Moderator: Stephen M. Pastores

- The Critical Care Societies Collaborative Call to Action to Address Burnout in the ICU
  Curtis N. Sessler
- Preventing Burnout in the ICU: What Research Tells Us
  Marc Moss
- Promoting a Healthy Work Environment in Critical Care
  Vicki S. Good
- Implementing Interventions to Mitigate Burnout in the ICU
  Ruth M. Kleinpell
- Conversing with the Experts: Panel Discussion
  Curtis N. Sessler, Marc Moss, Vicki S. Good, Ruth M. Kleinpell

8:30 A.M. - 10:30 A.M. • Room: 313
The Changing Epidemiology of Sepsis Across the Globe: Are We Prepared for the Epidemic?

Moderators: Andrew J. Patterson, Marie R. Baldisseri

- The Asia-Pacific Perspective
  Younssuck Koh
- The South American Perspective
  Jorge Luis Hidalgo
- The North American/European Perspective
  Rahul S. Nanchal
- The Australian Perspective
  Stephen Streat
- The African Perspective
  Satish Bhagwanjee

8:30 A.M. - 10:30 A.M. • Ballroom
THRIVE ICU Aftercare Service: An Essential Part of Our Care

Moderator: Carla M. Sevin

- ICU Aftercare Service Is a Crucial Part of the Spectrum of Care for ICU Survivors
  M. Elizabeth Wilcox
- Preparing Survivors and Families for Post-ICU Recovery: The Role of the Bedside Nurse
  Sarah Bloom
- Identifying Patients Who Could Benefit from an ICU Aftercare Service
  Ashley Montgomery-Yates
- How Should an ICU Follow-Up Outclinic Be Organized in the Real World?
  Carla M. Sevin
- The Costs and Benefits of an ICU Aftercare Service
  Samuel M. Brown
8:30 A.M. - 9:30 A.M. • Room: 323

**Why Should I Listen to You? What Type of Evidence Should Change Practice?**

**Moderator:** Jonathan E. Sevransky

- How Many Randomized Controlled Trials Do We Need to Create an Evidence-Based Treatment Guideline to Change Practice?  
  Derek C. Angus
- Implementation of Evidence-Based Practices for the Clinician  
  Paul C. Yodice
- Why Patients and Their Families Are Necessary to Change Practice  
  Mary Ann Barnes-Daly

8:30 A.M. - 10:30 A.M. • Room: 311

**Zooming in on the ABCDEF Bundle in the Pediatric Population**

**Moderator:** Jerry J. Zimmerman

- Introduction to ABCDEF Bundle Implementation: A Team-Based Approach to Improve Care  
  John C. Lin
- Ready, Set, Go! Integrating the Pediatric ABCDEF Bundle and Early Mobility Program in the Pediatric ICU  
  Sara Aghamohammadi
- Optimizing Sleep and Sedation: Keys to Delirium Prevention  
  Sapna Kudchadkar
- Families in the Pediatric ICUs  
  Stacy Williams
- Resource Utilization for Implementation of the ABCDEF Bundle in Pediatric ICUs  
  Jerry J. Zimmerman

9:30 A.M. - 10:30 A.M. • Room: 310

**Critical Care Echocardiography: The Cutting Edge**

**Moderator:** Samuel M. Brown

- Septic Cardiomyopathy: Pathophysiology and Clinical Implications  
  Sara Nikravan
- Novel Theragnostics: Cardiac Preload and Cardiac Function  
  Sajid Shahul
- Echo-Guided Mechanical Ventilation  
  Todd William Sarge

9:30 A.M. - 10:30 A.M. • Room: 323

**Optimization of Abdominal Solid Organ Transplantation in the ICU**

**Moderator:** Michael B. Yaffe

- Commonalities of Transplant Patients to Other ICU Patients  
  Ram M. Subramanian
- Unique Clinical Aspects of the Transplant Patient  
  David L. Carpenter
- Updates in Immunosuppression  
  Philip A. Efron

9:30 A.M. - 10:30 A.M. • Room: 315

**PEEserving Renal Function in the ICU**

**Moderator:** Erin N. Frazee

- Urine Trouble Now: Barriers to Predicting Renal Function in the ICU  
  Kianoush Banaei-Kashani
- Are Biomarkers Ready for Prime Time?  
  John A. Kellum
- PEEdicting the Future: Patients at Risk of Augmented Renal Clearance  
  Mitchell J. Daley

9:30 A.M. - 10:30 A.M. • Room: Exhibit Hall

**Research Snapshot Theaters**

(see pages 55-60 for all Research Snapshot Theaters)

9:30 A.M. - 10:30 A.M. • Room: 320

**Sky-High: Novel Methods for Detecting Intracranial Hypertension**

**Moderators:** Gregory Kapinos, Chad Miller

- Measuring Optic Sheath Diameter to Determine Intracranial Hypertension  
  Prem A. Kandiah
- Utilizing Cerebral Vascular Pressure Reactivity to Improve Outcomes After Brain Injury  
  Paul M. Vespa
- Conversing with the Experts: Panel Discussion  
  Paul M. Vespa, Prem A. Kandiah

Sessions will be held at the convention center unless otherwise noted.
10:45 A.M. - 11:30 A.M. • Ballroom
PLENARY SESSION
MAX HARRY WEIL MEMORIAL LECTURE
Collapse of the Microbiome, Emergence of the Pathobiome, and the Immunopathology of Critical Illness 📻 #Immuno46
John C. Alverdy, MD, FACS
Sarah and Harold Lincoln Thompson Professor of Surgery
Executive Vice-Chair, Department of Surgery
University of Chicago
Chicago, Illinois, USA
Moderator: Pauline Park

11:30 A.M. - 11:45 A.M. • Room: Exhibit Hall
Break

11:45 A.M. - 12:45 P.M. • Room: Exhibit Hall
Research Snapshot Theaters
(see pages 55-60 for all Research Snapshot Theaters)

11:45 A.M. - 1:45 P.M. • Room: 315
Star Research Presentations: Administration and Quality
Moderator: Jason M. Kane
• Development of an ICU-Based Pharmacy Technician to Improve the Medication Distribution Process
  Melissa L. Thompson Bastin
• Sustained Benefit of Intensivist Model with Nighttime Nocturnist on Outcomes: Five-Year Experience
  Maged Tanios
• The Association Between Intensive Care Unit Patient-to-Intensivist Ratios and Hospital Mortality
  Hayley Gershengorn
• Cost-Effectiveness of Dedicated ICU Physical Therapists
  Rob Loflin
• Cost Avoidance from Pharmacist Interventions Documented in a Medical ICU Over a Five-Month Period
  Drayton Hammond
• Interrater Reliability for SEP-1 Abstraction in a Multihospital Medical Center
  Judith Gonet
• Coping with Staff Burnout and Posttraumatic Stress in Intensive Care
  Gillian Colville
• How Team Structure in ABCDE Delivery Influences Implementation in a Michigan Quality Collaborative
  Deena Costa

11:45 A.M. - 1:45 P.M. • Room: 316
Star Research Presentations: Cardiology and Pulmonary
Moderator: Rahul S. Nanchal
• A Comparison of Anticoagulation Strategies in Venovenous Extracorporeal Membrane Oxygenation
  Aakash Shah
• Intraoperative Oxidative Stress and Postoperative Delirium
  Marcos Lopez
• Resource Utilization and Cost of Low Cardiac Output Syndrome After Cardiac Surgery
  John M. Luber
• Right Ventricular Dysfunction in Sepsis and Septic Shock: An Eight-Year Analysis
  Saraschandra Vallabhajosyula
• Is the Collapsibility Index of Inferior Vena Cava an Early Indicator of Increased Volume Status?
  Jianjun Gui
• SOLV Aflb: A Prediction Score for New-Onset Postoperative Atrial Fibrillation after Cardiac Surgery
  Diem Tran
• Early Mechanical Circulatory Support Improves Survival in Peripartum Cardiac and Respiratory Failure
  Elizabeth Cotter
• ECMO and V/Q Ratios: An Ex Vivo Analysis of CO2 Clearance within the Maquet Quadrox-i Oxygenator
  Bishoy Zakhary
11:45 A.M. - 1:45 P.M.  •  Room: 323

**Star Research Presentations: Neurology, CPR and Resuscitation**
Moderator: Richard M. Pino

- Impact of Titrated to Bispectral Index on Sedation and Analgesia Exposure in ARDS  
  Stephanie Bass
- Vasopressor Use in Subarachnoid Hemorrhage: Does It Improve Cerebral Oxygenation?  
  Khalil Yousef
- Age Effects on Mortality in Children with Severe Traumatic Brain Injury  
  Ajit Sarnaik
- Pre-ICU Cognitive Status and Functional Outcomes After a Critical Illness Among Older Adults  
  Lauren Ferrante
- Evaluation of Sodium Bicarbonate Administration During In-Hospital Cardiac Arrest  
  Jessica Cowell
- Clinical Implication of Time-Weighted Average Lactate in Resuscitated Cardiac Arrest Patients  
  Hyun Jung Chung
- Effect of Pharmacist Participation During Cardiac Arrest on ACLS Guideline Compliance  
  Joseph Brian Cavanaugh
- No Association of Clinical Hypoperfusion Variables with Lactate Clearance and Mortality  
  Fabian Jaimes

11:45 A.M. - 1:45 P.M.  •  Room: 310

**Star Research Presentations: Pediatric, Administration and Quality**
Moderator: Gregory H. Botz

- Impact of ICU Attending Physician Training Background on Outcomes after Pediatric Cardiac Surgery  
  Priya Bhaskar
- Early Prediction of Patient Deterioration Using Machine Learning Techniques with Time Series Data  
  Sareen Shah
- Safety of Tracheal Intubation in Pediatric Cardiac ICUs: Report from NEAR4KIDS  
  Eleanor Gradidge
- Improving Adherence to Hand Hygiene and Isolation Protocol Through Family Participation  
  Giovanna Capriolo
- Reducing Laboratory Testing in the Pediatric Intensive Care Unit: A Quality Improvement Project  
  Lauren Rakes
- Race/Ethnic Difference in Consent to Participate in a Large, Multisite Pediatric Critical Care RCT  
  JoAnne Natale
- Applying Business Intelligence Software to Sedation Can Identify Novel Quality Improvement Targets  
  Barbara-Jo Achuff
- Integrating Functional Resonance and Kolb’s Learning Cycle to Understand Sociotechnical Systems  
  Tessy Thomas

11:45 A.M. - 1:45 P.M.  •  Room: 311

**Star Research Presentations: Pediatrics**
Moderator: Maureen A. Madden

- Therapeutic Hypothermia after Pediatric Cardiac Arrest In-Hospital Trial  
  Frank W. Moler
- Evaluation of Simulation-Based Neonatal/Obstetric Resuscitation Training in a Resource-Poor Setting  
  Nicole Shilkofski
- Laryngoscopy by Resident Trainees in PICU Tracheal Intubation Is Vanishing: NEAR4KIDS Report  
  Aayush Gabrani
- Delirium Risk Factors and Outcomes in Critically Ill Children at a Tertiary Children's Hospital  
  Leslie A. Dervan
- Red Blood Cell Transfusion Is Associated with Prolonged Mechanical Ventilation in Pediatric ARDS  
  Michael Zubrow
- Risk Factors for Pediatric Extubation Failure: The Importance of Respiratory Muscle Strength  
  Tro Sekayan
- Epidemiology of Pediatric Acute Respiratory Distress Syndrome in Asia: A Multicenter Study  
  Lijia Fan
- Does Size Really Matter? The Impact of Body Weight in Estimating Lung Volumes  
  Gina Kim
11:45 A.M. - 1:45 P.M.  •  Room: 312

Star Research Presentations: Pulmonary
Moderator: Ken D. Hargett
- Use of Session-Specific Hashtags to Enhance the Reach of the Critical Care Congress in Social Media
  Tamas Szakmany
- Evaluation of Half-Dose Versus Full-Dose Alteplase for Treatment of Pulmonary Embolism
  Tyree H. Kiser
- Emergency Department Lung-Protective Ventilation Reduces Pulmonary Complications: The LOV-ED Trial
  Brian M. Fuller
- Thioredoxin Mimetic Preserves VE-Cadherin Expression and Lung Compliance in a Rat Model of VILI
  Humberto Sasieta
- Influence of Macrolide Antibiotics on Outcomes in ICU Patients with Acute Exacerbations of COPD
  Tyree H. Kiser
- Closed-Loop Pressure Support Decision Support System: A Feasibility Study In Vivo
  Andrea Gabrielli
- Chylothorax as a Risk Factor for Thrombosis in Adults: A Proof-of-Concept Study
  Sumedh Hoskote
- Utilization and Outcomes of Mechanical Ventilation Among Patients with Pneumocystis Pneumonia
  Kshitij Chatterjee

11:45 A.M. - 1:45 P.M.  •  Room: 320

Star Research Presentations: Renal, Quality, Endocrine and Infectious Disease
Moderator: Lynn A. Kelso
- Inhalation of Hydrogen Improves Neurologic Injuries in a Porcine Model of Prolonged Cardiac Arrest
  Zhangle Hu
- A Propensity-Matched Study of the Association of Contrast and Acute Kidney Injury in ICU Patients
  Lisa-Mae Williams
- Hyperchloremia During Cardiac Surgery Is Associated with Increased Risk of Acute Kidney Injury
  Shinsaku Matsumoto
- Renal Replacement Therapy Modalities in the PICU Setting
  Fernando Beltramo
- Direct Peritoneal Resuscitation Reduces Macrophages and Neutrophils in Kidneys After Brain Death
  Jessica L. Weaver
- Machine Learning Can Pre-Identify Instability Risk for a Medical Emergency Team Call
  Marilyn Hravnak
- Lower Blood Glucose Target Is Associated with Decreased Mortality in CVICU and CTICU Patients
  Andrew Hersh
- Outcomes of Patients with Invasive Candidiasis in the United States: A Nationwide Study
  Gagan Kumar

11:45 A.M. - 1:45 P.M.  •  Room: 313

Star Research Presentations: Sepsis
Moderator: Ana Lia Graciano
- Reduced Mitochondrial Mass Underlays Decreased Respiration in Septic Immune Cells
  Scott L. Weiss
- External Validation of the Sepsis-3 Guidelines
  Alistair Johnson
- External Validation of the qSOFA Criteria in a Multicenter Emergency Department Cohort
  Naomi George
- N-Arachidonoyl Dopamine Promotes Systemic Inflammatory Resolution via Nonhematopoietic TRPV1
  Samira Lawton
- The Role of Junctional Adhesion Molecule C in the Aging Phenotype of Neutrophils During Sepsis
  Yohei Hirano
- Conservative Fluid Strategies Decrease Mortality in Sepsis: A Systematic Review and Meta-Analysis
  Christina Katsios
- Cardiorenal Syndrome in Sepsis and Septic Shock: The Mayo Clinic Experience
  Saraschandra Vallabhaiosyula
- Impact of Penalties for Central Line-Associated Bloodstream Infections on Blood Culture Ordering
  Sameer Kadri
12:30 P.M. - 2:00 P.M. • Room 317
NON-CE SESSION
In-Training Section
My Biggest Concerns of My First Intensive Care Unit Job
Moderators: Ashish K. Khanna, Vinay M. Nadkarni
• Supervision to Supervisor: Get, Set, Go! Lessons Learned
  Daniel R. Brown
• I Was Taught How To Intubate, But Not How to Bill It
  Piyush Mather
• What Matters Most in a New Intensive Care Unit Job? Knowing Your Team, Knowing Your Resources or Knowing Evidence Based Medicine?
  Utpal S. Bhalala

12:45 P.M. - 1:45 P.M. • Room: 314
ACCM TOWN HALL
Pro/Con Sessions: Emergency Department Extracorporeal Membrane Oxygenation and Palliative Care in the ICU
Moderator: Julie Mayglothling Winkle
• Emergency Department Resuscitative Extracorporeal Life Support: Press the Accelerator or the Brake?
  Kyle J. Gunnerson, Lena M. Napolitano
• Palliative Care in the ICU - Integration Versus Consultation
  Rebecca A. Aslakson, TBD

1:00 P.M. - 1:45 P.M. • Room: Exhibit Hall
Research Snapshot Theaters
(see pages 55-60 for all Research Snapshot Theaters)

3:00 P.M. - 3:30 P.M. • Tapa Ballroom Lobby, Tapa Tower, Hilton Hawaiian Village
Refreshment Break

3:30 P.M. - 5:00 P.M. • Room: Tapa Ballroom 1, Tapa Tower, Hilton Hawaiian Village
AFTERNOON SYMPOSIUM
Evidenced-Based Management of Hepatorenal Syndrome Type 1 in Critical Care: Preserving Renal Function in Patients with Portal Hypertension
Supported by an educational grant from Mallinckrodt Pharmaceuticals
Moderator: Azra Bihorac
• Hepatorenal Syndrome: Current Knowledge on Pathology and Definitions
  Azra Bihorac
• Assessment and Differential Diagnosis of Hepatorenal Syndrome in Cirrhotic Patients
  Ram M. Subramanian
• Critical Care Team Decision-Making: Plasma Revolumization and Timing of Pharmacologic Options
  William J Peppard

3:30 P.M. - 5:00 P.M. • Room: Tapa Ballroom 2, Tapa Tower, Hilton Hawaiian Village
AFTERNOON SYMPOSIUM
The Modern Approach to the Diagnosis and Treatment of Shock
Supported by an educational grant from La Jolla Pharmaceutical Company
Moderator: Raghavan Murugan
• Emerging Therapeutic Strategies
  Ashish K. Khanna
• Preserving End-Organ Perfusion
  Laurence W. Busse
• Volumetric Assessment in Shock
  Raghavan Murugan

Sessions will be held at the convention center unless otherwise noted. Download the Congress App at www.sccm.org/SCCMApp
MONDAY, JANUARY 23, 2017

6:00 A.M. - 6:30 A.M. • Ballroom Lobby
Continental Breakfast

6:30 A.M. - 7:15 A.M. • Ballroom
PLENARY SESSION
LIFETIME ACHIEVEMENT AWARD WINNER
The Brain and Hypothermia: From Aristotle to Targeted Temperature Management, the Good Stuff Keeps Coming Back ⬆️ CoolingintheICU
Patrick M. Kochanek, MD, MCCM
Ake Grenvik Professor of Critical Care Medicine
Vice-Chair, Department of Critical Care Medicine
Professor of Anesthesiology, Pediatrics, Bioengineering, and Clinical and Translational Science
Director, Safar Center for Resuscitation Research
University of Pittsburgh School of Medicine
Editor-in-Chief, Pediatric Critical Care Medicine
Pittsburgh, Pennsylvania, USA
Moderator: Jose Javier Provencio

7:15 A.M. - 7:30 A.M.
Break

7:15 A.M. - 1:45 P.M.
Exhibit Hall Open

7:30 A.M. - 8:30 A.M. • Room: 316
Alternative Modes of Mechanical Ventilation
Moderator: Rahul Nanchal
• New Methods for Synchronized Ventilation
  Micah Fisher
• Oscillator
  Richard H. Kallet
• Asymmetric Lung Ventilation
  Daniel S. Talmor

7:30 A.M. - 8:30 A.M. • Ballroom
Communicating Safe Passage
Moderators: Randi Smith, Tara Collins
• Physician Handovers
  Jose L. Pascual
• Nursing Changeovers
  Heather Meissen
• Advanced Care Practitioner Sign-Over
  Honey M. Jones
• Conversing with the Experts: Panel Discussion
  Heather Meissen, Jose L. Pascual, Honey M. Jones

7:30 A.M. - 8:30 A.M. • Room: 311
Controversies in Pediatric Mechanical Ventilation, Part I: Invasive and Noninvasive Ventilation for Pediatric Respiratory Failure
Moderator: Ana Lia Graciano
• Noninvasive Ventilation for Acute Respiratory Failure
  James D. Fortenberry
• Venovenous Extracorporeal Membrane Oxygenation: Optimal Timing for Cannulation
  Heidi J. Dalton
• Do Novel Modes of Ventilation Improve Outcomes?
  Martin C.J. Kneyber

Program and faculty are subject to change.
7:30 A.M. - 8:30 A.M. • Room: 313
**Critical Care Training of Providers in Resource-Limited Countries: Any Role for SCCM?**
Moderator: Heatherlee Bailey

- Fundamentals Evolution at the National and International Levels  
  Janice L. Zimmerman
- The Role of Pediatric Fundamental Critical Care Support in Training Pediatric Critical Care Providers in Resource-Limited Countries  
  Maureen A. Madden
- Training Providers in Disaster Management with Limited Resources  
  Mary J. Reed
- Adult Fundamental Critical Care Support at the Hands of Providers Under Resource-Limited Conditions  
  Abbas Ali
- Global Health Initiative and SCCM  
  Marie R. Baldisseri

7:30 A.M. - 8:30 A.M. • Room: 315
**Help, My Patient Is Dying: Palliative Care in the ICU**
Moderator: Lisa Kohr

- How Great Is the Need for Palliative Care in the ICU? The 40,000-Foot View  
  Kimberly T. Joseph
- Advanced Trigger Systems for ICU-Based Palliative Care  
  J. Randall Curtis
- Why Your Surgeon Won’t Operate: Choosing Your Accessories Carefully  
  Christine C. Toevs
- What Happens After the ICU, Particularly for the Chronically Critically Ill?  
  Hannah Wunsch

7:30 A.M. - 9:00 A.M. • Room: Exhibit Hall
**Research Snapshot Theaters**  
(see pages 55-60 for all Research Snapshot Theaters)

7:30 A.M. - 8:30 A.M. • Room: 312
**Steroids Beyond Sepsis: What Is the Role?**
Moderator: Jessica L. Bunin

- The Role of Corticosteroids in the Management of Community-Acquired Pneumonia  
  Henry Masur
- The Role of Corticosteroids in the Management of Acute Respiratory Distress Syndrome  
  Gianfranco Umberto Meduri
- The Role of Corticosteroids in the Management of Meningitis  
  Ruchira Jha
- Conversing with the Experts: Panel Discussion  
  Gianfranco Umberto Meduri, Henry Masur, Ruchira Jha

7:30 A.M. - 8:30 A.M. • Room: 310
**Targeting Molecular Mechanisms to Prevent Secondary Neuronal Loss: Are They Ready for Prime Time?**
Moderator: Fred Rincon

- Targeting Monocyte Responses After Intracerebral Hemorrhage  
  Lauren H. Sansing
- Targeting Neutrophils After Subarachnoid Hemorrhage: How Do We Do It?  
  Jose Javier Provencio
- Is Glibenclamide the New Kid on the Block for the Management of Cerebral Edema After Brain Injury?  
  Geoffrey S.F. Ling

7:30 A.M. - 8:30 A.M. • Room: 323
**Technological Distractions: Alarm and Alert Fatigue**
Moderator: John V. Agapian

- The Use of Clinical Decision Support Alerts, Physiologic Alarms, and Alert Overload  
  Bradford D. Winters
- Overcoming Physiologic Alarms That Slow You Down  
  Michele M. Pelter
- Return on Investment from Alarm and Alert Systems  
  Sandra L. Kane-Gill
7:30 A.M. - 8:30 A.M. • Room: 320

**Year in Review: Emergency Medicine**
Moderator: Brian T. Wessman
- Time Zero: ICU Care on Arrival to the Emergency Department  
  Brian M. Fuller
- Prehospital and Transport Critical Care Management  
  Nicholas Caputo
- Bringing Emergency Medicine Care Upstairs  
  Enyo Ablordeppey

7:30 A.M. - 8:45 A.M. • Room: 317

**FELLOWSHIP PROGRAM DIRECTORS BREAKFAST**
ADDITIONAL REGISTRATION REQUIRED

**An Educational Perspective: The Role of Palliative Care in the Management of ICU Patients**
Moderator: Linda L. Maerz
- Welcome and Review of Fellowship Program Director and Fellow Survey Results  
  Linda L. Maerz
- Overview of the Role of Palliative Care in the Management of the ICU Patient  
  Rebecca A. Aslakson
- Palliative Care Education: The Fellowship Program Director's Perspective  
  Addison K. May
- Palliative Care Education: The Critical Care Fellow's Perspective  
  Timothy G. Johnson
- Summary and Group Discussion  
  Timothy G. Johnson, Rebecca A. Aslakson, Addison K. May, Linda L. Maerz

8:30 A.M. - 9:30 A.M. • Exhibit Hall

**Critical Crosstalk**
Moderator: Ashish Khanna
- eICU: Here to Stay or Run Away  
  Daniel R. Brown, Craig M. Lilly

8:30 A.M. - 9:30 A.M. • Room: 311

**Controversies in Pediatric Mechanical Ventilation, Part II: Does High-Frequency Oscillatory Ventilation Improve Pediatric Outcomes?**
Moderator: Heidi J. Dalton
- Pro/Con Debate: High-Frequency Oscillatory Ventilation (Pro)  
  John H. Arnold
- Pro/Con Debate: High-Frequency Oscillatory Ventilation (Con)  
  Ira M. Cheifetz
- Conversing with the Experts: Panel Discussion  
  Ira M. Cheifetz, John H. Arnold

8:30 A.M. - 9:30 A.M. • Room: 313

**Critical Care Beyond the ICU Boundary**
Moderator: Richard J. Brilli
- Barriers to Critical Care Outside the ICU  
  Rhonda L. D'Agostino
- Critical Care in the Emergency Department  
  Tiffany M. Osborn
- Conversing with the Experts: Panel Discussion  
  Rhonda L. D'Agostino, Tiffany M. Osborn

8:30 A.M. - 9:30 A.M. • Room: 320

**Crush Injury: What Happens When Something Is Squashed**
Moderator: Michael B. Yaffe
- Crush Injury: Mitochondria Matters (Basic Science)  
  Carl J. Hauser
- How I Manage the Crushed Trauma Patient  
  Deborah A. Kuhls
- Does It Work Again? Long-Term Outcomes  
  Mark D. Cipolle
8:30 A.M. - 9:30 A.M.  •  Room: 316  
**Do We Extubate Too Early? A Pro/Con Debate**  
**Moderator: Ulrich Schmidt**  
- **Pro: We Are Extubating Too Early**  
  Richard D. Branson  
- **Con: We Are Extubating Too Late**  
  William E. Hurford

8:30 A.M. - 9:30 A.M.  •  Room: 323  
**Electronic Terrorism: Holding the Electronic Medical Record for Ransom**  
**Moderator: Jose L. Pascual**  
- The Hollywood Presbyterian Hospital Electronic Medical Record Hack Experience  
  Steve Giles  
- The Maintaining of Private Patient Information in Acute Care Medicine  
  Mark Burnette  
- Tools to Protect Against Other Breaches  
  Brian Toevs

8:30 A.M. - 9:30 A.M.  •  Ballroom  
**Hot Topics and Late-Breaking Science: Physician-Assisted Suicide and Euthanasia in the Intensive Care Unit: A Dialogue on Core Ethical Issues**  
**Moderator: Timothy G. Buchman**  
- **Pro**  
  Jan Bakker  
- **Con**  
  E. Wesley Ely  
- Conversing with the Experts: Panel Discussion  
  Jan Bakker, E. Wesley Ely

8:30 A.M. - 9:30 A.M.  •  Room: 310  
**Should the Neurosurgeon Take My Patient to the Operating Room?**  
**Moderator: David Y. Hwang**  
- Should My Hemispheric Stroke Patient Be Decompressed?  
  Nerissa Ko  
- Should My Intracerebral Hemorrhage Patient Be Evacuated?  
  J. Claude Hemphill III  
- Should My Traumatic Brain Injury Patient Be Decompressed?  
  Joshua M. Levine  
- Caveat of Taking the Patient to the Operating Room: The Neurosurgical Perspective  
  Shelly D. Timmons

8:30 A.M. - 9:30 A.M.  •  Room: 312  
**The Obesity Paradox in Critical Care**  
**Moderator: Jennifer Duncan**  
- The Role of White and Brown Adipose Tissue in Inflammatory Responses in Organ Failure  
  Jennifer Kaplan  
- Obesity and Mortality in Critically Ill Children  
  Andrea M. Kline  
- Obesity and Mortality in Critically Ill Adults  
  Kenneth B. Christopher

9:15 A.M. - 10:15 A.M.  •  Room: Exhibit Hall  
**Research Snapshot Theaters**  
(see pages 55–60 for all Research Snapshot Theaters)

9:30 A.M. - 10:30 A.M.  •  Room: Exhibit Hall  
**Refreshment Break**

Sessions will be held at the convention center unless otherwise noted.
10:30 A.M. - 11:15 A.M. • Ballroom
PLENARY SESSION
AKE GRENVIK HONORARY LECTURE
ABCDE and F Bundle: The Science Behind Liberating ICU Patients and Families
#ICULiberation
E. Wesley Ely, MD, MPH, FCCM
Professor of Medicine
Associate Director of Research, Geriatric Research
Education and Clinical Centers
Vanderbilt University Medical Center
Nashville, Tennessee, USA
Moderator: Brenda Pun

11:15 A.M. - 11:30 A.M. • Ballroom
DISTINGUISHED INVESTIGATOR LECTURE
Critical Care Research in the Age of Electronic Data Acquisition
Moderator: John V. Agapian

11:15 A.M. - 11:30 A.M.
Break

11:30 A.M. - 12:30 P.M. • Exhibit Hall
Critical Crosstalk
Moderator: Utpal Bhalala

11:30 A.M. - 12:30 P.M. • Room: 315
LAERDAL AWARD
A.S. Laerdal Memorial Award Lecture
Moderator: Judith Hellman

11:30 A.M. - 12:30 P.M. • Room: 323
House of Pain: Utilization of Multimodal Pain Management Strategies in the Preoperative Area and ICU
Moderator: John Papadopoulos

11:30 A.M. - 12:15 P.M. • Room: Exhibit Hall
Research Snapshot Theaters
(see pages 55-60 for all Research Snapshot Theaters)
11:30 A.M. - 12:30 P.M. • Ballroom
SCCM/ESICM JOINT SESSION
International Guidelines for the Management of Sepsis and Septic Shock in Adults
#SCCMLive
Moderators: Todd Dorman, Massimo Antonelli
• The Method of SSC Guidelines
  Laura E. Evans
• The SCC Guidelines
  Andrew Rhodes
• The SSC Guidelines
  Mitchell M. Levy

11:30 A.M. - 12:30 P.M. • Room: 310
The Endothelium in End-Organ Dysfunction
Moderator: Basilia Zingarelli
• Abnormalities in Vascular Permeability in Inflammation and Novel Stem Cell Therapy
  Carolyn S. Calfee
• Endothelial Dysfunction and Sepsis in Acute Lung Injury
  Laurie Kilpatrick
• Endothelial Activation in Brain Injury
  Robert S.B. Clark

11:30 A.M. - 12:30 P.M. • Room: 320
Year in Review: Neurosciences
Moderator: Fred Rincon
• Neuroscience Year in Review I: Clinical Trials in Traumatic Brain Injury and Stroke
  Avinash B. Kumar
• Neuroscience Year in Review II: The Best of the Best Neuroscience Papers in Critical Care Medicine
  George A. Lopez

11:30 A.M. - 12:30 P.M. • Room: 311
Year in Review: Pediatrics
Moderator: Thomas A. Nakagawa
• Basic Science
  Henri R. Ford
• Translational/Clinical Research
  Martha A.Q. Curley
• Quality and Safety
  Mudit Mathur

11:30 A.M. - 12:30 P.M. • Room: 312
Year in Review: Surgery
Moderator: Addison K. May
• What's New in Trauma Surgery
  Terence O'Keefe
• What's New in Emergency General Surgery
  Addison K. May
• What's New in Surgical Critical Care
  Douglas F. Naylor Jr

11:30 A.M. - 1:30 P.M. • Room: 313
Zoom In, Zoom Out: ABCDEF Bundle Implementation Strategies That Work
Moderator: Carol L. Thompson
• Identify the Building Blocks for Creating a Successful Implementation Collaborative
  Michele C. Balas
• Teamwork Matters to Patient Safety and Quality
  Brenda T. Pun
• Creating Excitement with Innovative Implementation Strategies
  Mary Ann Barnes-Daly
• Patient Data and Patients: Both Tell the Story of Success
  E. Wesley Ely
• Conversing with the Experts: Panel Discussion
  E. Wesley Ely, Michele C. Balas, Brenda T. Pun, Mary Ann Barnes-Daly
Program and faculty are subject to change.

12:30 P.M. - 1:30 P.M.  •  Room: 313
Achieving Compliance with the Severe Sepsis Bundle: The Devil Is in the Details!
Moderator: Daleen A. Penoyer
- The First Year of the Sepsis Core Measure: How Did It Go?
  Sean R. Townsend
- Strategies for Overcoming Perils, Pitfalls, and Barriers to Sepsis Bundle Implementation
  Christa A. Schorr
- Sepsis Implementation in the Pediatric Patient Population
  Lauren R. Sorce
- Conversing with the Experts: Panel Discussion
  Lauren R. Sorce, Sean R. Townsend, Christa A. Schorr

12:30 P.M. - 1:30 P.M.  •  Room: 312
Are You as Smart as a Fellow?
Moderator: Salman Ahmad
- A Jeopardy-Like Competition Between a Team of Attending Physicians and a Team of Surgical Critical Care Fellows to Demonstrate Mastery of Surgical Critical Care Topics
  Michael B. Yaffe

12:30 P.M. - 1:30 P.M.  •  Room: 316
Less Is More: Antibiotic Stewardship in the ICU
Moderator: Sandra L. Kane-Gill
- What Biomarkers Can Help with End Points of Treatment
  Jeanine P. Wiener-Kronish
- Tools of Stewardship
  Pamela A. Lipsett
- Dangers in Antibiotic Use: Protecting Against Resistant Organisms
  Henry Masur
- Ventilator-Associated Pneumonia and Acute Respiratory Distress Syndrome
  Lena M. Napolitano

12:30 P.M. - 1:30 P.M.  •  Room: 320
Neurologic Hemorrhagic Emergencies: Reversal of the Effects of Drugs That We All Hate
Moderator: Paul Vespa
- What's New: Reversing Old and New Anticoagulants and Antiplatelet Agents
  Alejandro A. Rabinstein
- When to Restart the Drugs We All Hate After Brain Injury
  Kazuma Nakagawa
- Conversing with the Experts: Panel Discussion
  Alejandro A. Rabinstein, Kazuma Nakagawa

12:30 P.M. - 1:30 P.M.  •  Room: 315
New American College of Critical Care Medicine Guidelines
Moderator: Robert C. Hyzy
- Guidelines for ICU Admission, Discharge, and Triage
  Joseph L. Nates
- Guidelines for the Appropriate Use of Bedside General and Cardiac Ultrasonography by the Intensivist
  Mahmoud Elbarbary
- Clinical Practice Guidelines for Sustained Neuromuscular Blockade in the Adult Critically Ill Patient: A Joint ASHP and SCCM Guideline
  Michael J. Murray
12:30 P.M. - 1:30 P.M. • Room: 311
**Nutrition Support During Pediatric Critical Illness**
Supported, in part, by an educational grant from Mead Johnson Nutrition
**Moderator: Nilesh M. Mehta**
- Metabolic Alterations and Nutrients in the Critically Ill Child  
  Katri V. Typpo
- Delivery of Nutrition Support to the Critically Ill Child  
  Sharon Y. Irving
- Disease-Related Nutrition Considerations  
  Nilesh M. Mehta

12:30 P.M. - 1:30 P.M. • Room: 323
**Reducing the Burden of Delirium in the ICU**
**Moderator: Lioudmila V. Kamatovskiaia**
- Risk Factors and Diagnosis of Delirium/Cognitive Dysfunction in the ICU and Beyond  
  Pratik P. Pandharipande
- Pharmacologic Interventions  
  Margaret Pisani
- Physiologic Interventions  
  Robert D. Stevens
- Promoting Sleep in the ICU  
  Giora Netzer

12:30 P.M. - 1:30 P.M. • Room: Exhibit Hall
**Research Snapshot Theaters**
(see pages 55-60 for all Research Snapshot Theaters)

12:30 P.M. - 1:30 P.M. • Room: 310
**The Gut as a Target to Modulate Inflammation**
**Moderator: Jennifer M. Kaplan**
- Intestinal Homeostasis  
  Robert G. Sawyer
- The Gut as a Motor in Inflammation  
  Craig M. Coopersmith
- Fecal Transplant for Sepsis  
  John C. Alverdy
- Conversing with the Experts: Panel Discussion  
  Robert G. Sawyer, John C. Alverdy, Craig M. Coopersmith
TUESDAY, JANUARY 24, 2017

6:00 A.M. - 6:30 A.M. • Ballroom Lobby
Continental Breakfast

6:30 A.M. - 7:15 A.M. • Ballroom
PLENARY SESSION
WILLIAM SHOEMAKER MEMORIAL LECTURE
Innovative, Interdisciplinary Strategies to Address the Intensivist Shortage
#ICUstaffing
Timothy G. Buchman, PhD, MD, MCCM
Founding Director, Emory Critical Care Center
Professor of Surgery and Anesthesiology
Emory University School of Medicine
Editor-in-Chief, Critical Care Medicine
Atlanta, Georgia, USA
Moderator: Craig Coopersmith

7:15 A.M. - 7:30 A.M.
Break

7:15 A.M. - 1:45 P.M.
Exhibit Hall Open

7:30 A.M. - 8:30 A.M. • Room: 323
Antibiotic Dosing and Delivery in Organ Failure and Special Populations
Moderator: Gregory J. Peitz
• Antibiotic Dosing in Organ Failure
Philip S. Barie
• Antibiotics in Extremes of Size and Age
David Nicolau
• Principles of Pharmacodynamics in the Critically Ill
Simon W. Lam

7:30 A.M. - 8:30 A.M. • Room: 310
CSI: Transforming Clinical and Fiscal Outcomes Through Staff Nurse-Driven Change
Moderator: Connie Barden
• Nurses Are Change Leaders
Marian S. Altman
• Clinical Scene Investigation: Fiscally Impacting and Improving Care
Marian S. Altman
• Summary of American Association of Critical-Care Nurses and SCCM Collaboration
Diane Byrum

7:30 A.M. - 8:30 A.M. • Room: 316
Extracorporeal Membrane Oxygenation, Part I: Current Concepts
Moderator: Colin K. Grissom
• Extracorporeal Membrane Oxygenation: Indications and Techniques
Christopher Paciullo
• Nursing Perspectives of Extracorporeal Membrane Oxygenation
Jane Guttendorf
• Pharmacokinetics of Extracorporeal Membrane Oxygenation
Amy L. Dzierba

Program and faculty are subject to change.
7:30 A.M. - 9:30 A.M. • Room: 312

**Fifty Shades of Delirium**
Moderators: Joshua T. Swan, Stacy A. Voils
- Improving Delirium Phenotypes
  Yoanna Skrobik
- Improving Delirium Care Through Modifying Risk Factors
  Michele C. Balas
- Alpha-2 Agonist as a Solution
  Erin M. Roach
- Atypical Antipsychotics: A Sedation-Free ICU?
  Heather Torbic
- Is Ketamine a "One-Stop Shop" for Sedation?
  Catherine H. Kim
- Developing Management Approaches for Delirium
  Juliana Barr

7:30 A.M. - 8:30 A.M. • Room: 320

**Guidelines: Do They Resolve Controversies and Misconceptions in ICU Nutrition?**
Supported, in part, by an educational grant from Abbott Nutrition
Moderator: Beth E. Taylor
- What Is the Right Amount of Calories for ICU Patients and How Do I Give It?
  Gail Cresci
- Pressors and Enteral Feeds
  John Papadopoulos
- Do Micronutrients Help Our Patients?
  Daren K. Heyland

7:30 A.M. - 9:00 A.M. • Room: Exhibit Hall

**Research Snapshot Theaters**
(see pages 55-60 for all Research Snapshot Theaters)

7:30 A.M. - 9:30 A.M. • Room: 313

**Sitting in a River of Blood without a Paddle #Blood46**
Moderator: Jose L. Pascual
- Stranded on an Island with Massive Bleeding
  Michael B. Yaffe
- Surgical Considerations with Hemorrhagic Shock
  Walter L. Biffl
- Pharmacologic Considerations in Hemorrhagic Shock
  William E. Dager
- Resuscitative Endovascular Balloon Occlusion of the Aorta Outside the Emergency Department
  Thomas M. Scalea
- Conversing with the Experts: Panel Discussion
  Michael B. Yaffe, William E. Dager, Walter L. Biffl, Thomas M. Scalea

Sessions will be held at the convention center unless otherwise noted.
7:30 A.M. - 8:30 A.M. • Room: 315

Tissue Injury, Hemolysis, and the Immune System
Moderator: John V. Agapian
- Hemoglobin and Sepsis in Acute Lung Injury
  Lorraine B. Ware
- Effects of Trauma on Immune Function
  Philip A. Efron
- Mitochondria in Hemorrhagic Shock
  Basilia Zingarelli

7:30 A.M. - 9:30 A.M. • Ballroom

Weaning from Mechanical Ventilation: Strategies for Difficult Weaning
Moderator: Steven Q. Simpson
- The Science Behind Weaning Failure
  Curtis N. Sessler
- Cardiovascular Dysfunction During Weaning
  Rahul S. Nanchal
- Weaning Failure in Obstructive Lung Disease
  John J. Marini
- Weaning The Patient with Restrictive Lung Disease
  Robert C. Hyzy
- Weaning the Patient with Neuromuscular Disease
  Michel Torbey

8:30 A.M. - 9:30 A.M. • Room: 323

SCCM/ACEP/CDC/IDSA Joint Session: Balancing Early Antibiotic Administration and Stewardship in Sepsis
Moderator: Mitchell M. Levy
- Conversing with the Experts: Panel Discussion
  Lauren Epstein, Stephen Weber, Tiffany M. Osborn

8:30 A.M. - 9:30 A.M. • Exhibit Hall

Critical Crosstalk
Moderator: Utpal Bhalala
- An Intensive Care Unit is Only as Good as its Team Members
  Vinay M. Nadkarni, Judith Jacobi

8:30 A.M. - 9:30 A.M. • Room: 315

Evidence Base for Modern ICU Transfusion Medicine
Moderator: Philip A. Efron
- The Downside of Blood Transfusion
  Philip C. Spinella
- Efficacy of Blood Products: Red Blood Cell Storage Lesion Biology
  Allan Doctor
- Transfusion-Related Immunomodulation: Collateral Damage to Immune Systems
  Kenneth E. Remy
- Half Full or Half Empty? Boundaries for Anemia Tolerance During Critical Illness
  Lena M. Napolitano

8:30 A.M. - 9:30 A.M. • Room: 316

Extracorporeal Membrane Oxygenation, Part II: Nuances and Physiologic Curiosities
Moderator: Christopher Paciullo
- Recirculation
  Bishoy Zakhary
- Access Insufficiency
  Heidi J. Dalton
- Differential Hypoxia
  Jacob Gutsche
- Conversing with the Experts: Panel Discussion
  Bishoy Zakhary, Heidi J. Dalton, Jacob Gutsche
8:30 A.M. - 9:30 A.M. • Room: 320
Rehabilitation Starts in the ICU
Moderator: Robert D. Stevens
- Effects of Early Progressive Mobility in the ICU
  Kate E. Klein
- Cognitive Therapy and Enhancing Recovery in the ICU
  E. Wesley Ely
- What Do You Do When You Don’t Have the Bells and Whistles? Early Mobilization
  Heidi J. Engel

8:30 A.M. - 9:30 A.M. • Room: 317
Year in Review: Anesthesiology
Moderator: James M. Jaeger
- Ideal Business Model for Anesthesia Critical Care
  Marc J. Popovich
- Advances in Transplant Critical Care
  Ashish K. Khanna
- Everything I Need to Know from 2016
  Monica I. Lupei

8:30 A.M. - 9:30 A.M. • Room: 310
Year in Review: Nursing
Moderator: Karin E. Reuter-Rice
- Adult Critical Care Nursing
  Letitia Close
- Pediatric Critical Care Nursing
  Rhonda M. Hough

9:15 A.M. - 10:15 A.M. • Room: Exhibit Hall
Research Snapshot Theater Theaters
(see pages 55-60 for all Research Snapshot Theaters)

9:30 A.M. - 10:30 A.M. • Room: 320
Abstract-Based Award Ceremony
Moderators: Cherylee W. Chang, Wendy R. Greene, Judith Hellman

9:30 A.M. - 10:30 A.M. • Room: 317
NON-CE SESSION
Become a Fellow of the American College of Critical Care Medicine
Moderator: Kent D. Blad
- Become a Fellow of the American College of Critical Care Medicine
  Rodrigo Mejia

9:30 A.M. - 10:30 A.M. • Room: Exhibit Hall
Refreshment Break

10:30 A.M. - 11:15 A.M. • Ballroom
PLENARY SESSION
Building Global Collaboration in Acute Care Research #CritCareResearch
John C. Marshall, MD, FRCS, FACS, FCAHS
Professor of Surgery, University of Toronto
Attending Surgeon and Intensivist, St. Michael's Hospital
Chair, International Forum for Acute Care Trialists
Secretary General, World Federation of Societies of Intensive and Critical Care Medicine
Vice-Chair, International Severe Acute Respiratory and Emerging Infection Consortium
Toronto, Ontario, Canada
Moderator: Janice Zimmerman

11:15 A.M. - 11:30 A.M.
Break

11:30 A.M. - 12:30 P.M. • Room: Exhibit Hall
Critical Crosstalk
Moderator: Ashish Khanna
- Social Media in the Intensive Care Unit - Likes, Dislikes and Such!
  Heatherlee Bailey, Anthony T. Gerlach

Sessions will be held at the convention center unless otherwise noted.
11:30 A.M. - 12:30 P.M. • Ballroom
**Big Data Part I: Advancing Patient Care Through Analytics**
*Moderators: Donna L. Armaignac, Chris Winkelman*
- Putting the Personal in Personalized Medicine: Understanding Capabilities and Potential Benefits  
  John C. Marshall
- How Big Data Is Integrated, Stored, Protected, and Accessed Regionally, Nationally, and Globally  
  Timothy G. Buchman
- Build and Sustain a Vibrant and Successful Data Analytics Strategic Team  
  Vincent Liu

11:30 A.M. - 1:30 P.M. • Room: 323
**Building an Advanced Practice Provider Critical Care Workforce**
*Moderator: Scott P. Sherry*
- Creating an Advanced Practice Residency  
  Heather Meissen
- Hiring and Retention of Advanced Practice Providers  
  Rhonda L. D’Agostino
- Paying for the Advanced Practice Provider Workforce: Coding and Billing  
  David L. Carpenter
- Advanced Practice Provider Outcomes  
  Ruth M. Kleinpell
- Conversing with the Experts: Panel Discussion  
  Heather Meissen, Rhonda L. D’Agostino, David L. Carpenter, Ruth M. Kleinpell

11:30 A.M. - 12:30 P.M. • Room: 313
**Extraordinary Measures at the End of Life: Withholding or Withdrawing Therapy in the Age of Extracorporeal Membrane Oxygenation**
*Moderator: Gordon D. Rubenfeld*
- What Is an Extraordinary Measure? When to Stop, When Not to Start  
  Jacob Gutsche
- Withholding Therapy: Ethical and Legal Aspects  
  Gyalia C. Rutledge
- Triggers for a Palliative Consultation  
  Jay Horton

11:30 A.M. - 1:30 P.M. • Room: 311
**From Toxic to Healing Pediatric ICU Environments**
*Moderator: Rodrigo Mejia*
- Integrating Practices to Promote a Healing Environment in the Pediatric ICU  
  Martha A.Q. Curley
- Optimizing Sedation to Promote Healing in the Pediatric ICU  
  Athena Zuppa
- To Sleep or Not to Sleep in the Pediatric ICU: Circadian Rhythms and the Critically Ill Child  
  Sapna Kudchadkar
- Strategies for Early Mobilization and Rehabilitation in Critically Ill Children  
  Karen Choong
- Promoting Psychological Adaptation in Children and Families in the Pediatric ICU  
  Gillian Colville

11:30 A.M. - 12:30 P.M. • Ballroom
**Hot Topics and Late-Breaking Science I**
*Moderator: Mary J. Reed*
- Rapidly Distributing Critical Care Services in Response to a Surge Event with Multiple Causalities  
  Michael L. Cheatham
- Stop the Bleed: A National Campaign for Public Access to Bleeding Control  
  Gregory H. Botz
- Questions and Answers
11:30 A.M. - 1:30 P.M. • Room: 312
How Dead Is Dead? The Intersection of Declaring Death, Technology, and Organ Donation
Moderators: Thomas A. Nakagawa, Robert D. Truog
- Brain Death: Are the Current Definitions Still Valid?
  David M. Greer
- Is He Really Dead?
  Michael J. Souter
- Donation After Cardiac Death: Implications and Challenges
  Thomas A. Nakagawa
- Mechanical Support and Declaration of Death
  Rahul S. Nanchal
- Organ Donation in the Almost-Brain-Dead Patient: How Dead Is Dead Enough?
  Robert D. Truog

11:30 A.M. - 12:30 P.M. • Room: 315
Medication Diluent Harm
Moderator: John Papadopoulos
- Propylene Glycol
  Stephanie Mallow Corbett
- Cremophor
  TBD
- Cyclodextrins
  Douglas N. Fish

11:30 A.M. - 12:15 P.M. • Room: Exhibit Hall
Research Snapshot Theater Theaters
(see pages 55-60 for all Research Snapshot Theaters)

11:30 A.M. - 1:30 P.M. • Room: 310
Stroke: State of the Science
Moderator: Thomas P. Bleck
- Insights from Stroke Genetics
  Paul Nyquist
- Post-Stroke Neural Plasticity
  Robert D. Stevens
- Ischemic Cell Death
  Jose Javier Provencio
- Endovascular Approaches for Acute Ischemic Stroke
  Sung Lee
- Minimally Invasive Treatment of Intracerebral Hemorrhage
  Wendy C. Ziai

11:30 A.M. - 12:30 P.M. • Room: 320
Year in Review: Research
Moderator: Jose L. Pascual
- A Network of Research Trial Networks: The Cutting Edge of Critical Care Investigation
  J. Perren Cobb
- Quality and Safety in My ICU: What Was There to Learn in 2016?
  Marilyn Hravnak
- Simulation in ICU Provider Education: Latest Trends in Practice
  Jose L. Pascual

12:30 P.M. - 1:30 P.M. • Room: 316
Big Data Part II: Practical Applications and Universal Applicability
Moderators: Chris Winkelman, Donna L. Armaignac
- Respiratory Rate Variability to Predict Extubation Readiness
  Christopher W. Seymour
- Heart Rate Variability to Predict Drug Responses
  Carolyn McGregor
- Wearable Devices to Enhance Early Warning Systems
  David M. Maslove
- Are Predictions Universal? How Well Predictions from One Country Convey to Other Areas
  Jan Bakker
12:30 P.M. - 1:30 P.M. • Ballroom

Hot Topics and Late-Breaking Science II – Hold the Press: Late-Breaking Journal Articles
Moderator: Phil Fontanarosa, Timothy G. Buchman
• Outcomes Following Intubation for Adult Cardiac Arrest
  TBD
• Videolaryngoscopy Versus Standard Laryngoscopy for Intubation in ICU Patients
  TBD
• Readmissions to Intensive Care: A Prospective Multicenter Study in Australia and New Zealand
  John D. Santamaria

12:30 P.M. - 1:30 P.M. • Room: 313

Patient-Ventilator Asynchrony: Harmful or Just a Nuisance?
Moderator: Robert A. Balk
• Recognition and Consequences of Patient-Ventilator Asynchrony
  Richard D. Branson
• Optimizing Patient-Ventilator Interactions
  Steven Q. Simpson
• Consequences of Patient-Ventilator Asynchrony
  Gregory A. Schmidt
• Conversing with the Experts: Panel Discussion
  Richard D. Branson, Gregory A. Schmidt, Steven Q. Simpson

12:30 P.M. - 1:30 P.M. • Room: Exhibit Hall

Research Snapshot Theater Theaters
(see pages 55-60 for all Research Snapshot Theaters)

12:30 P.M. - 1:30 P.M. • Room: 320

SCCM-Well Research Grant Spotlight
Moderator: Theodore J. Iwashyna
• The Association Between Delirium in Critically Ill Children and Long-Term Cognitive Dysfunction
  Lara P. Nelson
• Coagulopathy Following Cardiac Arrest
  Michael C. Kurz

12:30 P.M. - 1:30 P.M. • Room: 315

Year in Review: Clinical Pharmacy and Pharmacology
Moderator: Russel J. Roberts
• Who Needs Sleep Anymore?
  David J. Gagnon
• The Land of the Young
  Elizabeth S. Goswami
• Anecdotes and Antidotes
  Megan A. Rech
WEDNESDAY, JANUARY 25, 2017

7:30 A.M. - 5:30 P.M.  •  Room: Tapa Ballroom 3, Tapa Tower, Hilton Hawaiian Tower
POST-CONGRESS EDUCATIONAL SESSION — ADDITIONAL REGISTRATION REQUIRED

Critical Care Ultrasound – Day 1 (See Page 54 for Day 2)
Moderators: Jose L. Diaz-Gomez, Antonio Hernandez

- Continental Breakfast
- Welcome and Introduction
  - Jose L. Diaz-Gomez, Antonio Hernandez
- Pretest Review
  - Jose L. Diaz-Gomez
- Basic Physics and Knobology
  - Christopher Schott
- Fundamental Echocardiography Views
  - Michael J. Lanspa
- Break
- Skill Stations:
  1. Apical Views
  2. Parasternal Views
  3. Subcostal Views
- Lunch and Clinical Cases
  - Maritza L. Groth, Nibras Bughrara
- Basic Evaluation of Left Ventricular Function and Cardiac Output
  - Daniel A. Sweeney
- Basic Evaluation of Right Ventricular Function
  - Antonio Hernandez
- Intravascular Volume Assessment
  - Keith S. Boniface
- Break
- Skill Stations:
  1. Cardiac Output
  2. Volume Assessment
  3. Left/Right Ventricular Function
- Clinical Cases and Interactive Questions
  - Stephanie Cha, Abbas Ali

8:00 A.M. - 8:45 A.M.  •  Ballroom
PLENARY SESSION

Right Dose, Right Now: Customizing Drug Dosing for the Critically Ill Patient
Jason A. Roberts, PhD, B Pharm (Hons), B App Sc, FSHP
Director, REDUCE Centre for Research Excellence
Professor of Medicine and Pharmacy, NHMRC Career Development Fellow
The University of Queensland
Advanced Pharmacy Practitioner
Royal Brisbane and Women’s Hospital
Brisbane, Queensland, Australia
Moderator: Keith Olsen

8:45 A.M. - 9:15 A.M.  •  Ballroom Lobby
Refreshment Break
Critical Care Ultrasound Pediatric – Day 1 (See Page 53 for Day 2)

Moderators: Akira Nishisaki, Ellie Hirshberg

- Continental Breakfast
- Welcome and Overview
  Akira Nishisaki, Ellie Hirshberg
- Knobology, Physics, and Artifacts
  Aaron J. Godshall
- Break
- Vascular Access and Guided Procedures
  Sonali Basu
- Focused Assessment with Sonography in Trauma (FAST)/Abdominal Examination
  Bereketeab Haileselassie
- Lunch and Clinical Cases
  Jeff H. Burzynski, Adam S. Himebauch
- Skill Stations:
  1. FAST/Abdominal Examination
  2. Ultrasound-Guided Procedures
  3. Vascular Procedures
- Break
- Thoracic Examination
  Christie Glau
- Cardiac Examination
  David Kantor
- Volume Assessment
  Ellie Hirshberg
- Break
- Skill Stations:
  1. Apical Views
  2. Parasternal Views
  3. Subcostal Views

9:15 A.M. - 10:15 A.M. • Room: 315
Acute Kidney Injury in Cirrhosis: Blame It on the Liver?
Moderator: Ali H. Al-Khafaji
- Definition of Acute Kidney Injury in Cirrhosis
  Mitra Nadim
- Pathophysiology of Hepatorenal Syndrome
  David J. Kramer
- Management of Acute Kidney Injury in Cirrhosis
  TBD
- Conversing with the Experts: Panel Discussion
  Mitra Nadim, David J. Kramer, TBD

9:15 A.M. - 10:15 A.M. • Room: 316
Breaking Down the Silos to Improve Critical Care Delivery
Moderator: Craig M. Coopersmith
- Critical Care as a Driver of Healthcare and the Role of the Critical Care Organization
  Stephen M. Pastores
- Critical Care Across the Continuum
  TBD
- Conversing with the Experts: Panel Discussion
  Stephen M. Pastores, TBD

9:15 A.M. - 10:15 A.M. • Room: 312
Derescuscitation: You Have to Swell to Get Well and Pee to Be Free
Moderator: Azra Bihorac
- Pathophysiology of Volume Excess: From Mobilization to Therapy
  TBD
- Extracorporeal Therapies
  Avery Tung
- Diuresis in Derescuscitation
  TBD
9:15 A.M. - 10:15 A.M. • Room: 323
Ka’aieke, Communication, and Feedback: Are Your Skills at the Level They Should Be?
Moderator: Corinna Sicoutris
- Communication as an Interprofessional Leadership Competency
  April N. Kapu
- Emotional Intelligence
  Douglas F. Naylor Jr
- The Art of Giving and Receiving Feedback
  Pamela A. Lipsett

9:15 A.M. - 11:15 A.M. • Room: 313
Mechanical Ventilation: The Art Shrouded in Physiology
Moderator: Robert A. Balk
- Pressures and Their Implications: Plateau, Driving, Esophageal, and Transpulmonary
  John J. Marini
- Prone Positioning: Just for Acute Respiratory Distress Syndrome?
  Rolf D. Hubmayr
- Heart-Lung Interactions During Mechanical Ventilation
  Michael R. Pinsky
- The Often-Neglected Abdominal Pressure
  Rahul S. Nanchal
- Recruitment Maneuvers: Are They Required?
  Richard D. Branson
- Conversing with the Experts: Panel Discussion
  John J. Marini, Rolf D. Hubmayr, Michael R. Pinsky, Rahul S. Nanchal, Richard D. Branson

9:15 A.M. - 11:15 A.M. • Ballroom
Modifiable Risk Factors in Sepsis and Critical Illness
Moderator: Theodore J. Iwashyna
- Recognizing, Preventing, and Treating Fluid Overload in Critical Illness
  Greg S. Martin
- Hyperchloremic Metabolic Acidosis: Is It Really Bad for You?
  John A. Kellum
- What Do We Know About Optimizing Blood Pressure in Critical Illness?
  Steven M. Hollenberg
- Delirium: Is It the Next Never Event?
  Timothy D. Girard
- Preventing Critical Illness Polyneuropathy and Myopathy to Optimize Long-Term Outcomes
  TBD

9:15 A.M. - 11:15 A.M. • Room: 310
Myths, Rumors, and Reality: Caring for Traumatic Brain Injury Patients
Moderator: Gozde Demiralp
- Pharmacologic Neurostimulation
  Gretchen M. Brophy
- Surviving Traumatic Brain Injury (TBI) Is Just the Beginning: TBI-Induced Behavioral Disorders
  Maighdlin Anderson
  Shelly D. Timmons
- Non-Trauma Surgeries for Traumatic Brain Injury Patients
  Pauline K. Park

9:15 A.M. - 11:15 A.M. • Room: 311
Pediatric Critical Care and the Brain
Moderators: Jose A. Pineda, Karin E. Reuter-Rice
- Pediatric Critical Care and the Brain: An Overview
  Robert C. Tasker
- Hepatic Encephalopathy: Rationale for Neuromonitoring and Intracranial Pressure Control
  Mark Wainwright
- Electrophysiology and Neuroimaging in Critically Ill Children: Pearls and Limitations
  Peter Ferrazzano
- Two Challenging Infectious Disorders: Viral/Bacterial Meningitis and Cerebral Malaria
  Lufuno R. Mathivha
- Systemic Illness in Critically Ill Children: Save the Brain
  Ken Brady
- Conversing with the Experts: Panel Discussion
  Robert C. Tasker, Mark Wainwright, Peter Ferrazzano, Lufuno R. Mathivha, Ken Brady
9:15 A.M. - 10:15 A.M. • Room: 320

Year in Review: Internal Medicine
Moderator: Jonathan E. Sevransky
• Part One
  Jonathan E. Sevransky
• Part Two
  Elliott D. Crouser

10:15 A.M. - 11:15 A.M. • Room: 323

Family-Centered Care: Translating Research into Practice
Moderator: Judy E. Davidson
• What Do Families Want from Us? Learning from the Evidence Analysis and Family Informant Process
  Judy E. Davidson
• The Link Between Family-Centered Care and Post-Intensive Care Syndrome – Family
  Rebecca A. Aslakson
• Available Work Tools to Support Family-Centered Care
  David Y. Hwang
• Future Research: What We Know We Don't Know
  J. Randall Curtis

10:15 A.M. - 11:15 A.M. • Room: 312

Grading the Intensive Care Unit
Moderator: Richard H. Savel
• Patient Satisfaction in the ICU
  Michael D. Howell
• Measuring Mortality and Morbidity in the ICU
  David J. Kramer
• The Surgical 30-Day Rule and Intensivists
  Lewis J. Kaplan
• Conversing with the Experts: Panel Discussion
  Lewis J. Kaplan, Michael D. Howell, David J. Kramer

10:15 A.M. - 11:15 A.M. • Room: 315

ICU Education of the Future
Moderator: Alexander O. Sy
• ICU Training of Residents in the Setting of Advanced Practice Provider Collaboration
  Stephen M. Pastores
• Teaching Moment: ICU Metrics to Enhance Trainee Education
  Elizabeth A. Hunt
• Trainee Bedside and Remote Teaching in the ICU
  Andrea Gabrielli

10:15 A.M. - 11:15 A.M. • Room: 320

Rapid Detection and Optimization of Antimicrobials in the ICU
Moderator: Philip Barie
• Using Novel Technology to Identify Pathogens in the Infected Critically Ill
  Lynn A. Kelso
• Hitting the Antibiotic Bull's-Eye: Optimization of Dosing and Delivery in the Critically Ill
  Marilyn N. Bulloch
• Antibiotic De-Escalation: Avoiding Antibiotic Armageddon
  Henry Masur

10:15 A.M. - 11:15 A.M. • Room: 316

Trends in Successful ICU Telemedicine Programs
Moderator: Donna L. Armaignac
• ICU Telemedicine: An Avenue for Safe and Quality Healthcare
  Lisa-Mae Williams
• ICU Telemedicine Reimbursement Policies
  Robert A. Berenson
• ICU Telemedicine Outcome Studies
  TBD

WEDNESDAY, JANUARY 25, 2017

Download the Congress App at www.sccm.org/SCCMApp
Program and faculty are subject to change.
THURSDAY, JANUARY 26, 2017
7:00 A.M. - 5:00 P.M. • Room: Honolulu 1 - 3, Tapa Tower, Hilton Hawaiian Village
POST-Congress Educational Session - Advance Registration Required
Critical Care Ultrasound Pediatric – Day 2 (See Page 50 for Day 1)
Moderators: Akira Nishisaki, Ellie Hirshberg
- Continental Breakfast
- Review, Questions, and Answers
  Ellie Hirshberg, Akira Nishisaki
- Skill Stations:
  1. Ask the Expert
  2. Lung
  3. Volume Status
- Break
- Left and Right Ventricular Functional Assessment
  George Ofori-Amanfo
- Approach to Shock and Tamponade
  Thomas Conlon
- Neonatal Ultrasound
  Jae H. Kim
- Lunch and Clinical Cases
  Joan Sanchez-de-Toledo
- Skill Stations:
  1. Putting It Together: Shock
  2. Ventricular Function
  3. Ask the Expert
- Break
- Administration
  Akira Nishisaki
- Panel Discussion
  Bedside Ultrasound: Moving Forward
  Erik Su
- Posttest Discussion and Closing Remarks
  Akira Nishisaki
THURSDAY, JANUARY 26, 2017

7:30 A.M. - 5:30 P.M. • Room: Tapa Ballroom 3, Tapa Tower, Hilton Hawaiian Village

Critical Care Ultrasound – Day 2 (See Page 49 for Day 1)

POST-CONGRESS EDUCATIONAL SESSION - ADVANCE REGISTRATION REQUIRED

Moderators: Jose L. Diaz-Gomez, Antonio Hernandez

- Continental Breakfast
- Questions and Overview
  Jose L. Diaz-Gomez
- Pulmonary Embolism: Diagnosis and Physiology
  Paul K. Mohabir
- Tamponade: Diagnosis and Physiology
  Jan Kasal
- Focused Assessment with Sonography in Trauma (FAST) Examination
  Sarah Sebbag
- Echocardiographic Approach to Shock
  Sara Nikravan
- Break
- Skill Stations:
  1. FAST Examination
  2. Tamponade Evaluation
  3. Focused Assessed Transthoracic Echocardiography (FATE) Examination
- Lunch and Clinical Cases
  Lyle Gerety, Carla Venegas-Borsellino
- Vascular Ultrasound
  Lisa Rapoport
- Evaluation of Pneumothorax, Pleural Effusions, and Thoracentesis
  Peter Eamonn Croft
- Break
- Skill Stations:
  1. Lung: Pleural Effusions, Thoracentesis
  2. Vascular Ultrasound
  3. Ask the Expert
- Clinical Cases and Interactive Questions
  Mark P. Hamlin
- Questions, Answers, and Moving Forward
  Jose L. Diaz-Gomez
A NEW LIPID EMULSION OPTION FOR ADULTS

Please see Important Safety Information, including Boxed Warning, for Smoflipid on the reverse.
SMOFLIPID®
(Lipid Injectable Emulsion, USP 20%), for intravenous use

IMPORTANT SAFETY INFORMATION

WARNING: DEATH IN PRETERM INFANTS
See full prescribing information for complete boxed warning.
• Deaths in preterm infants have been reported in literature.
• Autopsy findings included intravascular fat accumulation in the lungs.
• Preterm and low-birth-weight infants have poor clearance of intravenous lipid emulsion and increased free fatty acid plasma levels following lipid emulsion infusion.

INDICATIONS AND USAGE
• Smoflipid is indicated in adults as a source of calories and essential fatty acids for parenteral nutrition when oral or enteral nutrition is not possible, insufficient, or contraindicated.

Limitations of Use
The omega-6: omega-3 fatty acid ratio and Medium Chain Triglycerides in Smoflipid have not been shown to improve clinical outcomes compared to other intravenous lipid emulsions.

DOSAGE AND ADMINISTRATION
• For intravenous infusion only into a peripheral or central vein.
• The usual daily dosage in adults is 1 to 2 grams/kg per day and should not exceed 2.5 grams/kg per day.

CONTRAINDICATIONS
• Known hypersensitivity to fish, egg, soybean, or peanut protein, or to any of the active ingredients or excipients.
• Severe hyperlipidemia or severe disorders of lipid metabolism with serum triglycerides >1,000 mg/dL.

WARNINGS AND PRECAUTIONS
• Monitor for signs or symptoms of:
  - Hypersensitivity Reactions: Discontinue infusion if reactions occur.
  - Infection, Fat Overload, Hypertriglyceridemia, and Refeeding Complications: Monitor laboratory parameters.
  - Aluminum Toxicity: Patients with renal impairment, including preterm infants are at increased risk.
  - Parenteral Nutrition-Associated Liver Disease: Increased risk in patients who receive parenteral nutrition for extended periods of time, especially preterm infants. Monitor liver function tests, if abnormalities occur consider discontinuation or dosage reduction.

To report suspected adverse reactions, contact Fresenius Kabi USA, LLC, at 1-800-551-7176 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

Please see full Prescribing Information, including Boxed Warning, for Smoflipid at www.smoflipid.com.

©2016. Fresenius Kabi USA, LLC. All Rights Reserved. 1202 SMF 05-10/16
**RESEARCH SNAPSHOT THEATERS**

Presentations will be held in designated sections of the Exhibit Hall on Sunday, January 22 through Tuesday, January 24. Abstract titles and authors are available in the Congress App. Download the Congress App at www.sccm.org/SCCMApp.

<table>
<thead>
<tr>
<th>SESSION TITLE</th>
<th>THEATER</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, January 22, 2017 • 8:15 A.M. – 9:15 A.M.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cardiovascular I</td>
<td>1</td>
<td>123-130</td>
</tr>
<tr>
<td>Cardiovascular XIII</td>
<td>2</td>
<td>221-228</td>
</tr>
<tr>
<td>Case Reports: Pulmonary I</td>
<td>19</td>
<td>1671-1886</td>
</tr>
<tr>
<td>Case Reports: Pulmonary V</td>
<td>20</td>
<td>1911-1918</td>
</tr>
<tr>
<td>CPR/Resuscitation I</td>
<td>3</td>
<td>256-263</td>
</tr>
<tr>
<td>CPR/Resuscitation XIII</td>
<td>4</td>
<td>354-361</td>
</tr>
<tr>
<td>Endocrine/Nutrition I</td>
<td>5</td>
<td>442-449</td>
</tr>
<tr>
<td>Epidemiology I</td>
<td>6</td>
<td>488-495</td>
</tr>
<tr>
<td>Infectious Disease III</td>
<td>7</td>
<td>663-670</td>
</tr>
<tr>
<td>Neuroscience I</td>
<td>8</td>
<td>718-725</td>
</tr>
<tr>
<td>Pharmacology I</td>
<td>9</td>
<td>834-841</td>
</tr>
<tr>
<td>Pulmonary I</td>
<td>10</td>
<td>931-938</td>
</tr>
<tr>
<td>Pulmonary XIII</td>
<td>11</td>
<td>1029-1036</td>
</tr>
<tr>
<td>Quality and Safety I</td>
<td>12</td>
<td>1071-1078</td>
</tr>
<tr>
<td>Quality and Safety XIII</td>
<td>13</td>
<td>1169-1176</td>
</tr>
<tr>
<td>Sepsis I</td>
<td>14</td>
<td>1325-1332</td>
</tr>
<tr>
<td>Sepsis XX</td>
<td>16</td>
<td>1479-1486</td>
</tr>
<tr>
<td>Sepsis XIII</td>
<td>15</td>
<td>1423-1430</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns I</td>
<td>17</td>
<td>1494-1501</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns VII</td>
<td>18</td>
<td>1544-1549</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sunday, January 22, 2017 • 9:30 A.M. – 10:30 A.M.</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration I</td>
<td>1</td>
<td>101-108</td>
</tr>
<tr>
<td>Cardiovascular II</td>
<td>2</td>
<td>131-138</td>
</tr>
<tr>
<td>Cardiovascular XIV</td>
<td>3</td>
<td>229-236</td>
</tr>
<tr>
<td>Case Reports: Pulmonary II</td>
<td>4</td>
<td>1887-1894</td>
</tr>
<tr>
<td>CPR/Resuscitation II</td>
<td>5</td>
<td>264-271</td>
</tr>
<tr>
<td>CPR/Resuscitation XIV</td>
<td>6</td>
<td>362-369</td>
</tr>
<tr>
<td>Endocrine/Nutrition II</td>
<td>7</td>
<td>450-457</td>
</tr>
<tr>
<td>Epidemiology II</td>
<td>8</td>
<td>496-503</td>
</tr>
<tr>
<td>Hematology I</td>
<td>9</td>
<td>594-601</td>
</tr>
<tr>
<td>Infectious Disease IV</td>
<td>10</td>
<td>671-678</td>
</tr>
<tr>
<td>Neuroscience II</td>
<td>11</td>
<td>726-733</td>
</tr>
<tr>
<td>Pharmacology II</td>
<td>12</td>
<td>842-849</td>
</tr>
<tr>
<td>Pulmonary II</td>
<td>13</td>
<td>939-946</td>
</tr>
<tr>
<td>Pulmonary XIV</td>
<td>14</td>
<td>1037-1044</td>
</tr>
<tr>
<td>Quality and Safety II</td>
<td>15</td>
<td>1079-1086</td>
</tr>
<tr>
<td>Quality and Safety XIV</td>
<td>16</td>
<td>1177-1184</td>
</tr>
<tr>
<td>Sepsis II</td>
<td>17</td>
<td>1333-1340</td>
</tr>
<tr>
<td>Sepsis XIV</td>
<td>18</td>
<td>1431-1438</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns II</td>
<td>19</td>
<td>1502-1509</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns VI</td>
<td>20</td>
<td>1536-1543</td>
</tr>
</tbody>
</table>
RESEARCH SNAPSHOT THEATERS

Presentations will be held in designated sections of the Exhibit Hall on Sunday, January 22 through Tuesday, January 24. Abstract titles and authors are available in the Congress App. Download the Congress App at www.sccm.org/SCCMApp.

<table>
<thead>
<tr>
<th>SESSION TITLE</th>
<th>THEATER</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sunday, January 22, 2017 • 11:45 A.M. – 12:45 P.M.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration II</td>
<td>1</td>
<td>109-116</td>
</tr>
<tr>
<td>Cardiovascular III</td>
<td>2</td>
<td>139-146</td>
</tr>
<tr>
<td>Cardiovascular XV</td>
<td>3</td>
<td>237-244</td>
</tr>
<tr>
<td>Case Reports: Cardiovascular I</td>
<td>19</td>
<td>1601-1608</td>
</tr>
<tr>
<td>Case Reports: Pulmonary III</td>
<td>20</td>
<td>1895-1902</td>
</tr>
<tr>
<td>CPR/Resuscitation III</td>
<td>4</td>
<td>272-279</td>
</tr>
<tr>
<td>Endocrine/Nutrition III</td>
<td>5</td>
<td>458-465</td>
</tr>
<tr>
<td>Epidemiology III</td>
<td>6</td>
<td>504-511</td>
</tr>
<tr>
<td>Hematology II</td>
<td>7</td>
<td>602-609</td>
</tr>
<tr>
<td>Infectious Disease V</td>
<td>8</td>
<td>679-686</td>
</tr>
<tr>
<td>Neuroscience III</td>
<td>9</td>
<td>734-741</td>
</tr>
<tr>
<td>Pharmacology III</td>
<td>10</td>
<td>850-857</td>
</tr>
<tr>
<td>Pulmonary III</td>
<td>11</td>
<td>947-954</td>
</tr>
<tr>
<td>Pulmonary XV</td>
<td>12</td>
<td>1045-1052</td>
</tr>
<tr>
<td>Quality and Safety III</td>
<td>13</td>
<td>1087-1094</td>
</tr>
<tr>
<td>Quality and Safety XV</td>
<td>14</td>
<td>1185-1192</td>
</tr>
<tr>
<td>Sepsis III</td>
<td>15</td>
<td>1341-1348</td>
</tr>
<tr>
<td>Sepsis XV</td>
<td>16</td>
<td>1439-1446</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns III</td>
<td>17</td>
<td>1510-1517</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns X</td>
<td>18</td>
<td>1570-1577</td>
</tr>
<tr>
<td><strong>Sunday, January 22, 2017 • 1:00 P.M. – 1:45 P.M.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration III</td>
<td>1</td>
<td>117-122</td>
</tr>
<tr>
<td>Cardiovascular IV</td>
<td>2</td>
<td>147-152</td>
</tr>
<tr>
<td>Case Reports: Endocrine/Nutrition I</td>
<td>18</td>
<td>1672-1677</td>
</tr>
<tr>
<td>CPR/Resuscitation IV</td>
<td>3</td>
<td>280-285</td>
</tr>
<tr>
<td>CPR/Resuscitation XV</td>
<td>4</td>
<td>370-374</td>
</tr>
<tr>
<td>Endocrine/Nutrition IV</td>
<td>5</td>
<td>466-471</td>
</tr>
<tr>
<td>Epidemiology IV</td>
<td>6</td>
<td>512-517</td>
</tr>
<tr>
<td>Neuroscience IV</td>
<td>7</td>
<td>742-747</td>
</tr>
<tr>
<td>Neuroscience XII</td>
<td>8</td>
<td>808-813</td>
</tr>
<tr>
<td>Pharmacology IV</td>
<td>9</td>
<td>858-863</td>
</tr>
<tr>
<td>Pulmonary IV</td>
<td>10</td>
<td>956-960</td>
</tr>
<tr>
<td>Pulmonary XVI</td>
<td>11</td>
<td>1053-1058</td>
</tr>
<tr>
<td>Quality and Safety IV</td>
<td>12</td>
<td>1095-1100</td>
</tr>
<tr>
<td>Quality and Safety XVI</td>
<td>13</td>
<td>1193-1198</td>
</tr>
<tr>
<td>Sepsis IV</td>
<td>14</td>
<td>1349-1354</td>
</tr>
<tr>
<td>Sepsis XVI</td>
<td>15</td>
<td>1447-1452</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns IV</td>
<td>16</td>
<td>1518-1523</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns XI</td>
<td>17</td>
<td>1578-1583</td>
</tr>
</tbody>
</table>
## RESEARCH SNAPSHOT THEATERS

Presentations will be held in designated sections of the Exhibit Hall on Sunday, January 22 through Tuesday, January 24. Abstract titles and authors are available in the Congress App. Download the Congress App at [www.sccm.org/SCCMApp](http://www.sccm.org/SCCMApp).

<table>
<thead>
<tr>
<th>SESSION TITLE</th>
<th>THEATER</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday, January 23, 2017 • 7:30 A.M. – 9:00 A.M.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cardiovascular V</td>
<td>1</td>
<td>153-164</td>
</tr>
<tr>
<td>Cardiovascular XVI</td>
<td>2</td>
<td>245-255</td>
</tr>
<tr>
<td>Case Reports: Infectious Disease I</td>
<td>18</td>
<td>1751-1762</td>
</tr>
<tr>
<td>Case Reports: Pharmacology I</td>
<td>19</td>
<td>1843-1854</td>
</tr>
<tr>
<td>Case Reports: Surgery/Trauma/Burns I</td>
<td>20</td>
<td>1996-2007</td>
</tr>
<tr>
<td>CPR/Resuscitation V</td>
<td>3</td>
<td>286-297</td>
</tr>
<tr>
<td>Education I</td>
<td>4</td>
<td>375-386</td>
</tr>
<tr>
<td>Ethics/End of Life/Palliative Care I</td>
<td>5</td>
<td>542-552</td>
</tr>
<tr>
<td>Infectious Disease I</td>
<td>6</td>
<td>639-650</td>
</tr>
<tr>
<td>Neuroscience V</td>
<td>7</td>
<td>748-759</td>
</tr>
<tr>
<td>Pharmacology V</td>
<td>8</td>
<td>864-875</td>
</tr>
<tr>
<td>Pulmonary V</td>
<td>9</td>
<td>961-972</td>
</tr>
<tr>
<td>Pulmonary XVII</td>
<td>10</td>
<td>1059-1070</td>
</tr>
<tr>
<td>Quality and Safety V</td>
<td>11</td>
<td>1101-1112</td>
</tr>
<tr>
<td>Quality and Safety XVII</td>
<td>12</td>
<td>1199-1210</td>
</tr>
<tr>
<td>Quality and Safety XXV</td>
<td>13</td>
<td>1267-1278</td>
</tr>
<tr>
<td>Sepsis V</td>
<td>14</td>
<td>1355-1366</td>
</tr>
<tr>
<td>Sepsis XVII</td>
<td>15</td>
<td>1453-1464</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns IX</td>
<td>17</td>
<td>1558-1569</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns V</td>
<td>16</td>
<td>1524-1535</td>
</tr>
<tr>
<td><strong>Monday, January 23, 2017 • 9:15 A.M. – 10:15 A.M.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cardiovascular VI</td>
<td>1</td>
<td>165-172</td>
</tr>
<tr>
<td>Case Reports: Cardiovascular II</td>
<td>17</td>
<td>1609-1616</td>
</tr>
<tr>
<td>Case Reports: Hematology I</td>
<td>18</td>
<td>1708-1715</td>
</tr>
<tr>
<td>Case Reports: Infectious Disease II</td>
<td>19</td>
<td>1763-1770</td>
</tr>
<tr>
<td>Case Reports: Neuroscience I</td>
<td>20</td>
<td>1805-1812</td>
</tr>
<tr>
<td>CPR/Resuscitation VI</td>
<td>2</td>
<td>298-305</td>
</tr>
<tr>
<td>Education II</td>
<td>3</td>
<td>387-394</td>
</tr>
<tr>
<td>Endocrine/Nutrition V</td>
<td>4</td>
<td>472-479</td>
</tr>
<tr>
<td>Epidemiology V</td>
<td>5</td>
<td>518-525</td>
</tr>
<tr>
<td>Ethics/End of Life/Palliative Care II</td>
<td>6</td>
<td>553-559</td>
</tr>
<tr>
<td>Hematology III</td>
<td>7</td>
<td>610-616</td>
</tr>
<tr>
<td>Immunology/Transplant I</td>
<td>8</td>
<td>623-630</td>
</tr>
<tr>
<td>Infectious Disease VI</td>
<td>9</td>
<td>687-694</td>
</tr>
<tr>
<td>Neuroscience VI</td>
<td>10</td>
<td>760-767</td>
</tr>
<tr>
<td>Pharmacology VI</td>
<td>11</td>
<td>876-883</td>
</tr>
<tr>
<td>Pulmonary VI</td>
<td>12</td>
<td>973-980</td>
</tr>
<tr>
<td>Quality and Safety VI</td>
<td>13</td>
<td>1113-1120</td>
</tr>
<tr>
<td>Quality and Safety XVIII</td>
<td>14</td>
<td>1211-1218</td>
</tr>
<tr>
<td>Sepsis VI</td>
<td>15</td>
<td>1387-1374</td>
</tr>
<tr>
<td>Sepsis XVIII</td>
<td>16</td>
<td>1465-1472</td>
</tr>
</tbody>
</table>
Presentations will be held in designated sections of the Exhibit Hall on Sunday, January 22 through Tuesday, January 24. Abstract titles and authors are available in the Congress App. Download the Congress App at www.sccm.org/SCCMApp.

### RESEARCH SNAPSHOT THEATERS

Presentations will be held in designated sections of the Exhibit Hall on Sunday, January 22 through Tuesday, January 24. Abstract titles and authors are available in the Congress App. Download the Congress App at www.sccm.org/SCCMApp.

<table>
<thead>
<tr>
<th>SESSION TITLE</th>
<th>THEATER</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday, January 23, 2017 • 11:30 A.M. – 12:15 P.M.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cardiovascular VII</td>
<td>1</td>
<td>173-178</td>
</tr>
<tr>
<td>Case Reports: Endocrine/Nutrition II</td>
<td>15</td>
<td>1678-1683</td>
</tr>
<tr>
<td>Case Reports: Infectious Disease III</td>
<td>16</td>
<td>1771-1776</td>
</tr>
<tr>
<td>Case Reports: Quality and Safety I</td>
<td>17</td>
<td>1953-1957</td>
</tr>
<tr>
<td>CPR/Resuscitation VII</td>
<td>2</td>
<td>306-311</td>
</tr>
<tr>
<td>Education III</td>
<td>3</td>
<td>395-400</td>
</tr>
<tr>
<td>Ethics/End of Life/Palliative Care III</td>
<td>4</td>
<td>560-565</td>
</tr>
<tr>
<td>Neuroscience VII</td>
<td>5</td>
<td>768-773</td>
</tr>
<tr>
<td>Pharmacology VII</td>
<td>6</td>
<td>884-889</td>
</tr>
<tr>
<td>Professional Development I</td>
<td>18</td>
<td>918-921</td>
</tr>
<tr>
<td>Professional Development II</td>
<td>19</td>
<td>922-926</td>
</tr>
<tr>
<td>Professional Development III</td>
<td>20</td>
<td>927-930</td>
</tr>
<tr>
<td>Pulmonary VII</td>
<td>7</td>
<td>981-986</td>
</tr>
<tr>
<td>Quality and Safety VII</td>
<td>8</td>
<td>1121-1126</td>
</tr>
<tr>
<td>Quality and Safety XIX</td>
<td>9</td>
<td>1219-1224</td>
</tr>
<tr>
<td>Renal I</td>
<td>10</td>
<td>1289-1294</td>
</tr>
<tr>
<td>Sepsis VII</td>
<td>11</td>
<td>1375-1380</td>
</tr>
<tr>
<td>Sepsis XIX</td>
<td>12</td>
<td>1473-1478</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns XIII</td>
<td>13</td>
<td>1592-1596</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns XIX</td>
<td>14</td>
<td>1596-1600</td>
</tr>
<tr>
<td><strong>Monday, January 23, 2017 • 12:30 P.M. – 1:30 P.M.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cardiovascular VIII</td>
<td>1</td>
<td>179-186</td>
</tr>
<tr>
<td>Case Reports: Cardiovascular III</td>
<td>17</td>
<td>1617-1624</td>
</tr>
<tr>
<td>Case Reports: Hematology II</td>
<td>18</td>
<td>1716-1723</td>
</tr>
<tr>
<td>Case Reports: Infectious Disease IV</td>
<td>19</td>
<td>1777-1784</td>
</tr>
<tr>
<td>Case Reports: Neuroscience II</td>
<td>20</td>
<td>1813-1820</td>
</tr>
<tr>
<td>CPR/Resuscitation VIII</td>
<td>2</td>
<td>312-319</td>
</tr>
<tr>
<td>Education IV</td>
<td>3</td>
<td>401-408</td>
</tr>
<tr>
<td>Endocrine/Nutrition VI</td>
<td>4</td>
<td>480-487</td>
</tr>
<tr>
<td>Epidemiology VI</td>
<td>5</td>
<td>526-533</td>
</tr>
<tr>
<td>Ethics/End of Life/Palliative Care IV</td>
<td>6</td>
<td>566-572</td>
</tr>
<tr>
<td>Immunology/Transplant II</td>
<td>7</td>
<td>631-638</td>
</tr>
<tr>
<td>Infectious Disease VII</td>
<td>8</td>
<td>695-702</td>
</tr>
<tr>
<td>Neuroscience VIII</td>
<td>9</td>
<td>774-781</td>
</tr>
<tr>
<td>Pharmacology VIII</td>
<td>10</td>
<td>890-897</td>
</tr>
<tr>
<td>Pulmonary VIII</td>
<td>11</td>
<td>987-994</td>
</tr>
<tr>
<td>Quality and Safety VIII</td>
<td>12</td>
<td>1127-1134</td>
</tr>
<tr>
<td>Quality and Safety XX</td>
<td>13</td>
<td>1225-1232</td>
</tr>
<tr>
<td>Renal II</td>
<td>14</td>
<td>1295-1302</td>
</tr>
<tr>
<td>Sepsis VIII</td>
<td>15</td>
<td>1381-1388</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns VIII</td>
<td>16</td>
<td>1550-1557</td>
</tr>
</tbody>
</table>
## RESEARCH SNAPSHOT THEATERS

Presentations will be held in designated sections of the Exhibit Hall on Sunday, January 22 through Tuesday, January 24. Abstract titles and authors are available in the Congress App. Download the Congress App at [www.sccm.org/SCCMApp](http://www.sccm.org/SCCMApp).

<table>
<thead>
<tr>
<th>SESSION TITLE</th>
<th>THEATER</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular IX</td>
<td>1</td>
<td>187-198</td>
</tr>
<tr>
<td>Case Reports: Cardiovascular III</td>
<td>13</td>
<td>1625-1636</td>
</tr>
<tr>
<td>Case Reports: CPR/Resuscitation</td>
<td>14</td>
<td>1659-1670</td>
</tr>
<tr>
<td>Case Reports: Immunology/Transplant</td>
<td>15</td>
<td>1740-1750</td>
</tr>
<tr>
<td>Case Reports: Infectious Disease V</td>
<td>16</td>
<td>1785-1796</td>
</tr>
<tr>
<td>Case Reports: Pharmacology II</td>
<td>17</td>
<td>1855-1866</td>
</tr>
<tr>
<td>Case Reports: Pulmonary VI</td>
<td>18</td>
<td>1919-1930</td>
</tr>
<tr>
<td>Case Reports: Sepsis I</td>
<td>19</td>
<td>1979-1989</td>
</tr>
<tr>
<td>Case Reports: Surgery/Trauma/Burns II</td>
<td>20</td>
<td>2008-2018</td>
</tr>
<tr>
<td>CPR/Resuscitation IX</td>
<td>2</td>
<td>320-331</td>
</tr>
<tr>
<td>Education V</td>
<td>3</td>
<td>409-420</td>
</tr>
<tr>
<td>Infectious Disease II</td>
<td>4</td>
<td>651-662</td>
</tr>
<tr>
<td>Neuroscience IX</td>
<td>5</td>
<td>782-793</td>
</tr>
<tr>
<td>Patient and Family Support I</td>
<td>6</td>
<td>814-825</td>
</tr>
<tr>
<td>Pharmacology IX</td>
<td>7</td>
<td>899-909</td>
</tr>
<tr>
<td>Pulmonary IX</td>
<td>8</td>
<td>995-1006</td>
</tr>
<tr>
<td>Quality and Safety IX</td>
<td>9</td>
<td>1135-1146</td>
</tr>
<tr>
<td>Quality and Safety XXI</td>
<td>10</td>
<td>1233-1244</td>
</tr>
<tr>
<td>Quality and Safety XXVI</td>
<td>11</td>
<td>1279-1288</td>
</tr>
<tr>
<td>Sepsis IX</td>
<td>12</td>
<td>1389-1400</td>
</tr>
</tbody>
</table>

### Tuesday, January 24, 2017 • 7:30 A.M. – 9:00 A.M.

<table>
<thead>
<tr>
<th>SESSION TITLE</th>
<th>THEATER</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular X</td>
<td>1</td>
<td>199-206</td>
</tr>
<tr>
<td>Case Reports: Renal I</td>
<td>20</td>
<td>1963-1970</td>
</tr>
<tr>
<td>Case Reports: Cardiovascular IV</td>
<td>14</td>
<td>1637-1644</td>
</tr>
<tr>
<td>Case Reports: Hematology III</td>
<td>15</td>
<td>1724-1731</td>
</tr>
<tr>
<td>Case Reports: Infectious Disease VI</td>
<td>16</td>
<td>1797-1804</td>
</tr>
<tr>
<td>Case Reports: Neuroscience III</td>
<td>17</td>
<td>1821-1828</td>
</tr>
<tr>
<td>Case Reports: Pharmacology III</td>
<td>18</td>
<td>1867-1874</td>
</tr>
<tr>
<td>Case Reports: Pulmonary VII</td>
<td>19</td>
<td>1931-1938</td>
</tr>
<tr>
<td>CPR/Resuscitation X</td>
<td>2</td>
<td>332-339</td>
</tr>
<tr>
<td>Education VI</td>
<td>3</td>
<td>421-428</td>
</tr>
<tr>
<td>Epidemiology VII</td>
<td>4</td>
<td>534-541</td>
</tr>
<tr>
<td>GI/Hepatic I</td>
<td>5</td>
<td>573-580</td>
</tr>
<tr>
<td>Infectious Disease VIII</td>
<td>6</td>
<td>703-710</td>
</tr>
<tr>
<td>Neuroscience X</td>
<td>7</td>
<td>794-801</td>
</tr>
<tr>
<td>Patient and Family Support II</td>
<td>8</td>
<td>826-833</td>
</tr>
<tr>
<td>Pharmacology X</td>
<td>9</td>
<td>910-917</td>
</tr>
<tr>
<td>Pulmonary X</td>
<td>10</td>
<td>1007-1014</td>
</tr>
<tr>
<td>Quality and Safety X</td>
<td>11</td>
<td>1147-1154</td>
</tr>
<tr>
<td>Quality and Safety XXII</td>
<td>12</td>
<td>1245-1252</td>
</tr>
<tr>
<td>Renal III</td>
<td>13</td>
<td>1303-1310</td>
</tr>
</tbody>
</table>
RESEARCH SNAPSHOT THEATERS

Presentations will be held in designated sections of the Exhibit Hall on Sunday, January 22 through Tuesday, January 24. Abstract titles and authors are available in the Congress App. Download the Congress App at www.sccm.org/SCCMApp.

<table>
<thead>
<tr>
<th>SESSION TITLE</th>
<th>THEATER</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular XI</td>
<td>1</td>
<td>207-212</td>
</tr>
<tr>
<td>Case Reports: Cardiovascular V</td>
<td>12</td>
<td>1645-1650</td>
</tr>
<tr>
<td>Case Reports: Endocrine/Nutrition III</td>
<td>13</td>
<td>1684-1689</td>
</tr>
<tr>
<td>Case Reports: Ethics/End of Life/Palliative Care</td>
<td>14</td>
<td>1690-1694</td>
</tr>
<tr>
<td>Case Reports: GI/Hepatic I</td>
<td>15</td>
<td>1695-1700</td>
</tr>
<tr>
<td>Case Reports: Neuroscience IV</td>
<td>16</td>
<td>1829-1834</td>
</tr>
<tr>
<td>Case Reports: Pharmacology IV</td>
<td>17</td>
<td>1875-1879</td>
</tr>
<tr>
<td>Case Reports: Pulmonary VIII</td>
<td>18</td>
<td>1939-1944</td>
</tr>
<tr>
<td>Case Reports: Quality and Safety II</td>
<td>19</td>
<td>1958-1962</td>
</tr>
<tr>
<td>Case Reports: Sepsis II</td>
<td>20</td>
<td>1990-1995</td>
</tr>
<tr>
<td>CPR/Resuscitation XI</td>
<td>2</td>
<td>340-345</td>
</tr>
<tr>
<td>Education VII</td>
<td>3</td>
<td>429-434</td>
</tr>
<tr>
<td>GI/Hepatic II</td>
<td>4</td>
<td>581-586</td>
</tr>
<tr>
<td>Hematology IV</td>
<td>5</td>
<td>617-622</td>
</tr>
<tr>
<td>Neuroscience XI</td>
<td>6</td>
<td>802-807</td>
</tr>
<tr>
<td>Pulmonary XI</td>
<td>7</td>
<td>1015-1020</td>
</tr>
<tr>
<td>Quality and Safety XI</td>
<td>8</td>
<td>1155-1160</td>
</tr>
<tr>
<td>Quality and Safety XXIII</td>
<td>9</td>
<td>1253-1258</td>
</tr>
<tr>
<td>Renal IV</td>
<td>10</td>
<td>1311-1316</td>
</tr>
<tr>
<td>Sepsis XI</td>
<td>11</td>
<td>1409-1414</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SESSION TITLE</th>
<th>THEATER</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular XII</td>
<td>1</td>
<td>213-220</td>
</tr>
<tr>
<td>Case Reports: Renal II</td>
<td>19</td>
<td>1971-1978</td>
</tr>
<tr>
<td>Case Reports: Cardiovascular VI</td>
<td>14</td>
<td>1651-1658</td>
</tr>
<tr>
<td>Case Reports: GI/Hepatic II</td>
<td>15</td>
<td>1701-1707</td>
</tr>
<tr>
<td>Case Reports: Hematology IV</td>
<td>16</td>
<td>1732-1739</td>
</tr>
<tr>
<td>Case Reports: Neuroscience V</td>
<td>17</td>
<td>1835-1842</td>
</tr>
<tr>
<td>Case Reports: Pulmonary IV</td>
<td>20</td>
<td>1903-1910</td>
</tr>
<tr>
<td>Case Reports: Pulmonary IX</td>
<td>18</td>
<td>1945-1952</td>
</tr>
<tr>
<td>CPR/Resuscitation XII</td>
<td>2</td>
<td>346-353</td>
</tr>
<tr>
<td>Education VIII</td>
<td>3</td>
<td>435-441</td>
</tr>
<tr>
<td>GI/Hepatic III</td>
<td>4</td>
<td>587-593</td>
</tr>
<tr>
<td>Infectious Disease IX</td>
<td>5</td>
<td>711-717</td>
</tr>
<tr>
<td>Pulmonary XII</td>
<td>6</td>
<td>1021-1028</td>
</tr>
<tr>
<td>Quality and Safety XII</td>
<td>7</td>
<td>1161-1168</td>
</tr>
<tr>
<td>Quality and Safety XXIV</td>
<td>8</td>
<td>1259-1266</td>
</tr>
<tr>
<td>Renal V</td>
<td>9</td>
<td>1317-1324</td>
</tr>
<tr>
<td>Sepsis XII</td>
<td>11</td>
<td>1415-1422</td>
</tr>
<tr>
<td>Sepsis XVI</td>
<td>12</td>
<td>1447-1452</td>
</tr>
<tr>
<td>Sepsis XVIII</td>
<td>10</td>
<td>1465-1472</td>
</tr>
<tr>
<td>Surgery/Trauma/Burns XII</td>
<td>13</td>
<td>1584-1591</td>
</tr>
</tbody>
</table>
# BUSINESS AND ANCILLARY MEETINGS

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Thursday, January 19, 2017</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Executive Committee</td>
<td>6:30 AM</td>
<td>11:00 AM</td>
<td>Hilton Hawaiian Village</td>
<td>Ilima Boardroom - Kalia Tower</td>
</tr>
<tr>
<td>Board of Pharmacy Specialties Critical Care Role Delineation Study Meeting</td>
<td>8:00 AM</td>
<td>5:00 PM</td>
<td>Ala Moana Hotel</td>
<td>Hibiscus 1</td>
</tr>
<tr>
<td>Montefiore Medical Center and the Albert Einstein College of Medicine Alumni Event</td>
<td>5:00 PM</td>
<td>7:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Kalia Tower, Kahili Suite 1 &amp; 2</td>
</tr>
<tr>
<td><strong>Friday, January 20, 2017</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Council Meeting</td>
<td>6:30 AM</td>
<td>2:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Coral 1 &amp; 2 - Mid Pacific Conference Center</td>
</tr>
<tr>
<td><strong>Saturday, January 21, 2017</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCM Board of Regents</td>
<td>7:00 AM</td>
<td>1:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Kahili Suite - Kalia Tower</td>
</tr>
<tr>
<td>Pediatric Sepsis Guideline Meeting</td>
<td>8:30 AM</td>
<td>11:30 AM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
<tr>
<td>New Council Member Orientation</td>
<td>12:00 PM</td>
<td>1:00 PM</td>
<td>Hawaii Convention Center</td>
<td>326A</td>
</tr>
<tr>
<td>Current Concepts in Critical Care Committee Meeting – Adult</td>
<td>12:30 PM</td>
<td>1:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Honolulu Suite 1 &amp; 2 - Tapa Tower</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Pre-Congress Meeting</td>
<td>1:00 PM</td>
<td>3:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Nautilus Suite - Mid Pacific Conference Center</td>
</tr>
<tr>
<td>Congress Program Planning Committee</td>
<td>2:00 PM</td>
<td>4:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Rainbow Suite - Rainbow Tower</td>
</tr>
<tr>
<td>Current Concepts in Critical Care Committee Meeting – Pediatric</td>
<td>2:00 PM</td>
<td>3:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Honolulu Suite 1 &amp; 2 - Tapa Tower</td>
</tr>
<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 Hawaiian Village</td>
<td>Nautilus Suite - Mid Pacific Conference Center</td>
</tr>
<tr>
<td>Nursing Section Reception</td>
<td>6:00 PM</td>
<td>8:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Rainbow Suite - Rainbow Tower</td>
</tr>
<tr>
<td><strong>Sunday, January 22, 2017</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anesthesiology Section Steering Committee Meeting</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Hawaii Convention Center</td>
<td>301B</td>
</tr>
<tr>
<td>Chapters Alliance Executive Committee</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Ala Moana Hotel</td>
<td>Garden Lanai</td>
</tr>
<tr>
<td>Internal Medicine Intensivists in Practice Committee Meeting</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Hawaii Convention Center</td>
<td>307</td>
</tr>
<tr>
<td>Pediatrics Section Resident Education and Recruitment Committee Meeting</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
</tbody>
</table>
### BUSINESS AND ANCILLARY MEETINGS

**SUNDAY, JANUARY 22, 2017, CONTINUED**

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Section Education and Simulation Subcommittee Meeting</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Hawaii Convention Center</td>
<td>303A</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Education Committee Meeting</td>
<td>8:30 AM</td>
<td>9:30 AM</td>
<td>Hawaii Convention Center</td>
<td>308</td>
</tr>
<tr>
<td>FCCS Committee Business Meeting</td>
<td>8:30 AM</td>
<td>9:30 AM</td>
<td>Hawaii Convention Center</td>
<td>309</td>
</tr>
<tr>
<td>In-Training Section Steering Committee Meeting</td>
<td>8:30 AM</td>
<td>9:30 AM</td>
<td>Hawaii Convention Center</td>
<td>303B</td>
</tr>
<tr>
<td>Research Section Mentorship Program Meet and Greet</td>
<td>8:30 AM</td>
<td>9:30 AM</td>
<td>Hawaii Convention Center</td>
<td>306</td>
</tr>
<tr>
<td>Nursing Section Business Meeting/Expert Nurse Panel and Member Breakfast Reception: <em>Sponsored by Abbott Nutrition</em></td>
<td>8:30 AM</td>
<td>10:00 AM</td>
<td>Hawaii Convention Center</td>
<td>317</td>
</tr>
<tr>
<td>ICU Design Award Committee Meeting</td>
<td>8:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>305</td>
</tr>
<tr>
<td>Anesthesiology Section Business Meeting</td>
<td>9:00 AM</td>
<td>10:00 AM</td>
<td>Hawaii Convention Center</td>
<td>302</td>
</tr>
<tr>
<td>Chapters Leadership Orientation</td>
<td>9:00 AM</td>
<td>10:00 AM</td>
<td>Ala Moana Hotel Garden Lanai</td>
<td></td>
</tr>
<tr>
<td>Internal Medicine Section Steering Committee Meeting</td>
<td>9:00 AM</td>
<td>10:00 AM</td>
<td>Hawaii Convention Center</td>
<td>307</td>
</tr>
<tr>
<td>Item Writing, Pediatric</td>
<td>9:00 AM</td>
<td>10:00 AM</td>
<td>Hawaii Convention Center</td>
<td>301B</td>
</tr>
<tr>
<td>Pediatrics Section Advanced Practice Nursing Committee Meeting</td>
<td>9:00 AM</td>
<td>10:00 AM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Recruitment Exchange Committee Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Ala Moana Hotel</td>
<td>304</td>
</tr>
<tr>
<td>In-Training Section Business Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>308</td>
</tr>
<tr>
<td>PFCCS Committee Business Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>309</td>
</tr>
<tr>
<td>Research Section Steering Committee Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>303A</td>
</tr>
<tr>
<td>Item Writing, Adult, Group A</td>
<td>10:00 AM</td>
<td>11:00 AM</td>
<td>Hawaii Convention Center</td>
<td>301B</td>
</tr>
<tr>
<td>New Fever Guideline Meeting</td>
<td>10:00 AM</td>
<td>11:00 AM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
<tr>
<td>Chapters Alliance Business Meeting</td>
<td>10:00 AM</td>
<td>11:30 AM</td>
<td>Ala Moana Hotel Garden Lanai</td>
<td></td>
</tr>
<tr>
<td>Pediatric ICU Liberation ABCDEF Bundle Collaborative</td>
<td>10:30 AM</td>
<td>12:00 PM</td>
<td>Hawaii Convention Center</td>
<td>309</td>
</tr>
<tr>
<td>Drug Shortage Task Force</td>
<td>11:00 AM</td>
<td>12:00 PM</td>
<td>Hawaii Convention Center</td>
<td>307</td>
</tr>
<tr>
<td>Item Writing, Adult, Group B</td>
<td>11:00 AM</td>
<td>12:00 PM</td>
<td>Hawaii Convention Center</td>
<td>301B</td>
</tr>
<tr>
<td>Pediatric PAD Guideline Meeting</td>
<td>11:00 AM</td>
<td>12:00 PM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
<tr>
<td>THRIVE Task Force</td>
<td>11:30 AM</td>
<td>1:00 PM</td>
<td>Hawaii Convention Center</td>
<td>305</td>
</tr>
<tr>
<td>SCCM Business Meeting</td>
<td>11:45 AM</td>
<td>12:15 PM</td>
<td>Hawaii Convention Center</td>
<td>314</td>
</tr>
<tr>
<td>Liver Management Guideline Meeting</td>
<td>12:00 PM</td>
<td>2:00 PM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
<tr>
<td>ACCM Business Meeting</td>
<td>12:15 PM</td>
<td>12:45 PM</td>
<td>Hawaii Convention Center</td>
<td>314</td>
</tr>
</tbody>
</table>
## BUSINESS AND ANCILLARY MEETINGS
### SUNDAY, JANUARY 22, 2017, CONTINUED

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Care Societies Collaborative (CCSC)</td>
<td>12:30 PM</td>
<td>2:00 PM</td>
<td>Hawaii Convention Center</td>
<td>326A</td>
</tr>
<tr>
<td>ACCM Credentials Committee Meeting</td>
<td>12:45 PM</td>
<td>1:45 PM</td>
<td>Hawaii Convention Center</td>
<td>307AB</td>
</tr>
<tr>
<td>Baltimore Chapter Business Meeting</td>
<td>1:00 PM</td>
<td>2:00 PM</td>
<td>Ala Moana Hotel</td>
<td>Carnation</td>
</tr>
<tr>
<td>FCCS Obstetrics Committee Business Meeting</td>
<td>1:00 PM</td>
<td>2:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Honolulu Suite 1 &amp; 2 - Tapa Tower</td>
</tr>
<tr>
<td>MCCR, Adult</td>
<td>1:00 PM</td>
<td>2:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Honolulu Suite 3 - Tapa Tower</td>
</tr>
<tr>
<td>New Mexico Chapter Meeting</td>
<td>1:00 PM</td>
<td>2:00 PM</td>
<td>Ala Moana Hotel</td>
<td>Garden Lanai</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Research Committee Meeting</td>
<td>1:30 PM</td>
<td>2:30 PM</td>
<td>Hawaii Convention Center</td>
<td>309</td>
</tr>
<tr>
<td>THRIVE Post ICU Clinic Planning Meeting</td>
<td>1:30 PM</td>
<td>3:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Kahili Suite - Kalia Tower</td>
</tr>
<tr>
<td>FDM Committee Meeting</td>
<td>2:00 PM</td>
<td>3:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Honolulu Suite 1 &amp; 2 - Tapa Tower</td>
</tr>
<tr>
<td>MCCR, Pediatric</td>
<td>2:15 PM</td>
<td>3:15 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Honolulu Suite 3 - Tapa Tower</td>
</tr>
<tr>
<td>USCIITG Winter Investigators Meeting</td>
<td>2:30 PM</td>
<td>5:30 PM</td>
<td>Ala Moana Hotel</td>
<td>Carnation</td>
</tr>
<tr>
<td>Fundamentals Committee Chairs Business Meeting</td>
<td>3:00 PM</td>
<td>4:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Honolulu Suite 1 &amp; 2 - Tapa Tower</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Reception</td>
<td>3:30 PM</td>
<td>5:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>South Pacific 1 &amp; 2 - Mid Pacific Tower</td>
</tr>
<tr>
<td>Anesthesiology Section Reception</td>
<td>4:00 PM</td>
<td>5:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Nautilus Suite - Mid Pacific Tower</td>
</tr>
<tr>
<td>Penn Critical Care Reception</td>
<td>4:00 PM</td>
<td>5:30 PM</td>
<td>Ala Moana Hotel</td>
<td>Anthurium</td>
</tr>
<tr>
<td>ACCM Fellows Reception</td>
<td>5:00 PM</td>
<td>6:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Rainbow Suite - Rainbow Tower</td>
</tr>
<tr>
<td>Key Industry Partners Reception</td>
<td>5:00 PM</td>
<td>6:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Kahili 1 &amp; 2 - Kalia Tower</td>
</tr>
<tr>
<td>Promotional Symposium: Optiflow™ Nasal High Flow - What Really Matters?</td>
<td>5:00 PM</td>
<td>6:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Coral 3- Mid Pacific Tower</td>
</tr>
<tr>
<td>Pennsylvania Chapter Meeting and Reception</td>
<td>5:00 PM</td>
<td>7:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Hau Tree Bar</td>
</tr>
<tr>
<td>Pediatrics Section Reception</td>
<td>5:30 PM</td>
<td>7:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Honolulu 3 - Tapa Tower</td>
</tr>
<tr>
<td>Surgery Section Reception</td>
<td>7:00 PM</td>
<td>8:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Nautilus Suite - Mid-Pacific Tower</td>
</tr>
<tr>
<td>Promotional Symposium: Advancements in Lipid Emulsions</td>
<td>6:00 PM</td>
<td>7:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Coral 4 - Mid-Pacific Tower</td>
</tr>
</tbody>
</table>
## BUSINESS AND ANCILLARY MEETINGS

**SUNDAY, JANUARY 22, 2017, CONTINUED**

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Promotional Symposium: Diagnosis and Management of Super-Refractory Status Epilepticus (SRSE) Sponsored by Sage Therapeutics</strong></td>
<td>6:00 PM</td>
<td>7:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Coral 1 &amp; 2 - Mid-Pacific Tower</td>
</tr>
<tr>
<td><strong>Texas Chapter Member Reception and Business Meeting</strong></td>
<td>7:00 PM</td>
<td>9:00 PM</td>
<td>Ala Moana Hotel</td>
<td>Plumeria</td>
</tr>
</tbody>
</table>

### Monday, January 23, 2017

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycemic Control Guideline Meeting</td>
<td>7:00 AM</td>
<td>8:00 AM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
<tr>
<td>Ohio Chapter Business Meeting</td>
<td>7:00 AM</td>
<td>8:00 AM</td>
<td>Ala Moana Hotel</td>
<td>Carnation</td>
</tr>
<tr>
<td>SCCM Quality and Safety Committee Meeting</td>
<td>7:00 AM</td>
<td>8:00 AM</td>
<td>Hawaii Convention Center</td>
<td>308AB</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Strategic Planning Meeting</td>
<td>7:30 AM</td>
<td>10:30 AM</td>
<td>Hilton Hawaiian Village</td>
<td>Rainbow 2 - Rainbow Tower</td>
</tr>
<tr>
<td>Discovery Steering Committee</td>
<td>8:00 AM</td>
<td>9:30 AM</td>
<td>Hawaii Convention Center</td>
<td>324</td>
</tr>
<tr>
<td>Guideline Management Meeting</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
<tr>
<td>Northeast Chapter Business Meeting</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Ala Moana Hotel</td>
<td>Carnation</td>
</tr>
<tr>
<td>Northern California Chapter Business Meeting</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Ala Moana Hotel</td>
<td>Garden Lanai</td>
</tr>
<tr>
<td>MCCKAP, Pediatric</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Hawaii Convention Center</td>
<td>307</td>
</tr>
<tr>
<td>Program Improvement Workgroup</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Hawaii Convention Center</td>
<td>303B</td>
</tr>
<tr>
<td>American Academy of Pediatrics Section on Critical Care Executive Committee Meeting</td>
<td>8:00 AM</td>
<td>4:00 PM</td>
<td>Ala Moana Hotel</td>
<td>Anthurium</td>
</tr>
<tr>
<td>Nursing Section Membership Committee Meeting/Congress Attendee First Timers Meeting/Communication and Recognition Committee Meeting</td>
<td>8:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>306</td>
</tr>
<tr>
<td>ACCM Awards Committee Meeting</td>
<td>8:30 AM</td>
<td>9:30 AM</td>
<td>Hawaii Convention Center</td>
<td>303A</td>
</tr>
<tr>
<td>Pediatrics Section Steering Committee Meeting</td>
<td>8:30 AM</td>
<td>9:30 AM</td>
<td>Hawaii Convention Center</td>
<td>304</td>
</tr>
<tr>
<td>Surgery Section Business Meeting</td>
<td>8:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>302</td>
</tr>
<tr>
<td>MCCKAP, Adult</td>
<td>9:00 AM</td>
<td>10:00 AM</td>
<td>Hawaii Convention Center</td>
<td>307</td>
</tr>
<tr>
<td>Carolinas/Virginia Chapter Business Meeting</td>
<td>9:00 AM</td>
<td>10:00 AM</td>
<td>Ala Moana Hotel</td>
<td>Garden Lanai</td>
</tr>
<tr>
<td>Corticosteroid Guideline Meeting</td>
<td>9:00 AM</td>
<td>12:00 PM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
<tr>
<td>Critical Care and Patients Safety Network Meeting</td>
<td>9:00 AM</td>
<td>10:00 AM</td>
<td>Ala Moana Hotel</td>
<td>Carnation</td>
</tr>
<tr>
<td>Membership Committee Meeting</td>
<td>9:00 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>309</td>
</tr>
<tr>
<td>THRIVE Peer Collaborative Meeting</td>
<td>9:00 AM</td>
<td>12:00 PM</td>
<td>Hawaii Convention Center</td>
<td>308</td>
</tr>
<tr>
<td>Graduate and Resident Education Committee Business Meeting</td>
<td>9:15 AM</td>
<td>10:15 AM</td>
<td>Hawaii Convention Center</td>
<td>305</td>
</tr>
</tbody>
</table>
## BUSINESS AND ANCILLARY MEETINGS

**MONDAY, JANUARY 23, 2017, CONTINUED**

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCM Fellowship Services Committee Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>303A</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Patient Safety Committee Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>324</td>
</tr>
<tr>
<td>Pediatrics Section Fellows Committee Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>304</td>
</tr>
<tr>
<td>New Jersey Chapter Business Meeting</td>
<td>10:00 AM</td>
<td>11:00 AM</td>
<td>Ala Moana Hotel</td>
<td>Carnation</td>
</tr>
<tr>
<td>Critical Care as a Specialty Task Force</td>
<td>10:30 AM</td>
<td>12:00 PM</td>
<td>Hawaii Convention Center</td>
<td>303A</td>
</tr>
<tr>
<td>Accreditation and Learning Strategies Committee</td>
<td>11:00 AM</td>
<td>12:00 PM</td>
<td>Hawaii Convention Center</td>
<td>305</td>
</tr>
<tr>
<td>North Central Chapter Business Meeting</td>
<td>11:00 AM</td>
<td>12:00 PM</td>
<td>Ala Moana Hotel</td>
<td>Carnation</td>
</tr>
<tr>
<td>Pediatric Admission, Discharge and Triage Guideline Meeting</td>
<td>12:00 PM</td>
<td>2:00 PM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Membership Committee Meeting</td>
<td>12:30 PM</td>
<td>1:30 PM</td>
<td>Hawaii Convention Center</td>
<td>303B</td>
</tr>
<tr>
<td>Critical Care Ultrasound – Pediatric Committee Meeting</td>
<td>12:30 PM</td>
<td>1:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>South Pacific 1-3 - Mid Pacific Conference Center</td>
</tr>
<tr>
<td>Emergency Medicine Business Meeting/Lunch Reception</td>
<td>12:30 PM</td>
<td>2:30 PM</td>
<td>Hawaii Convention Center</td>
<td>317</td>
</tr>
<tr>
<td>Nursing Section Advanced Nursing Practice and Professional Development Committee Meeting</td>
<td>12:30 PM</td>
<td>1:30 PM</td>
<td>Hawaii Convention Center</td>
<td>308</td>
</tr>
<tr>
<td>Pediatrics Section Quality and Safety Committee Meeting</td>
<td>12:30 PM</td>
<td>1:30 PM</td>
<td>Hawaii Convention Center</td>
<td>305</td>
</tr>
<tr>
<td>Research Section Communications Subcommittee Meeting</td>
<td>12:30 PM</td>
<td>1:30 PM</td>
<td>Hawaii Convention Center</td>
<td>307</td>
</tr>
<tr>
<td>Assessment and Knowledge Committee</td>
<td>1:00 PM</td>
<td>2:00 PM</td>
<td>Hawaii Convention Center</td>
<td>303A</td>
</tr>
<tr>
<td>Oregon Chapter Business Meeting</td>
<td>1:00 PM</td>
<td>2:00 PM</td>
<td>Ala Moana Hotel</td>
<td>Garden Lanai</td>
</tr>
<tr>
<td>Southeast Chapter Business Meeting</td>
<td>1:00 PM</td>
<td>2:00 PM</td>
<td>Ala Moana Hotel</td>
<td>Carnation</td>
</tr>
<tr>
<td>Undergraduate Education Committee Business Meeting</td>
<td>1:00 PM</td>
<td>2:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Rainbow Suite - Rainbow Tower</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Program Committee Meeting</td>
<td>1:30 PM</td>
<td>2:30 PM</td>
<td>Hawaii Convention Center</td>
<td>303B</td>
</tr>
<tr>
<td>Nursing Section Research Committee Meeting</td>
<td>1:30 PM</td>
<td>2:30 PM</td>
<td>Hawaii Convention Center</td>
<td>307</td>
</tr>
</tbody>
</table>
## BUSINESS AND ANCILLARY MEETINGS

### MONDAY, JANUARY 23, 2017, CONTINUED

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Care Ultrasound – Adult Committee Meeting</td>
<td>2:00 PM</td>
<td>3:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>South Pacific 1-3 - Mid Pacific Conference Center</td>
</tr>
<tr>
<td>Postgraduate and Fellowship Education Committee Business Meeting</td>
<td>2:00 PM</td>
<td>3:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Rainbow Suite - Rainbow Tower</td>
</tr>
<tr>
<td>ACCM Convocation Robing Room</td>
<td>2:45 PM</td>
<td>7:00 PM</td>
<td>Royal Hawaiian Hotel</td>
<td>Regency 1-3</td>
</tr>
<tr>
<td>SCCM Award Recipient Check-in Committee Business Meeting</td>
<td>3:00 PM</td>
<td>4:00 PM</td>
<td>Royal Hawaiian Hotel</td>
<td>TBD</td>
</tr>
<tr>
<td>Pediatric Online Module Development Committee Business Meeting</td>
<td>3:00 PM</td>
<td>4:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Rainbow Suite - Rainbow Tower</td>
</tr>
<tr>
<td>ACCM Convocation/SCCM Awards Presentation</td>
<td>4:00 PM</td>
<td>5:30 PM</td>
<td>Royal Hawaiian Hotel</td>
<td>Coconut Grove</td>
</tr>
<tr>
<td>Critical Care Fellows Reception</td>
<td>5:00 PM</td>
<td>7:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Tropics Bar</td>
</tr>
<tr>
<td>Promotional Symposium: Catecholamine Resistant Hypotension: The Magic 8 Ball vs. Current Practice <strong>Sponsored by La Jolla Pharmaceutical Company</strong></td>
<td>6:00 PM</td>
<td>7:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Coral 4 - Mid-Pacific Tower</td>
</tr>
<tr>
<td>Promotional Symposium: Navigating the Perioperative Nutrition Landscape <strong>Sponsored by Abbott Nutrition</strong></td>
<td>6:00 PM</td>
<td>7:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Coral 1 &amp; 2 - Mid-Pacific Tower</td>
</tr>
<tr>
<td>Promotional Symposium: The Role of PCT in Bacterial Infection and Patient Management <strong>Sponsored by Thermo Fisher Scientific</strong></td>
<td>6:00 PM</td>
<td>7:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Coral 5 - Mid-Pacific Tower</td>
</tr>
<tr>
<td>Internal Medicine Section Reception</td>
<td>7:00 PM</td>
<td>8:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Lehua Suite - Kalia Tower</td>
</tr>
</tbody>
</table>

### TUESDAY, JANUARY 24, 2017

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board of Regents Meeting</td>
<td>6:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
<tr>
<td>Tele-ICU Committee</td>
<td>7:00 AM</td>
<td>8:00 AM</td>
<td>Hawaii Convention Center</td>
<td>309</td>
</tr>
<tr>
<td>Finance Committee</td>
<td>7:30 AM</td>
<td>8:30 AM</td>
<td>Hawaii Convention Center</td>
<td>326A</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Business Meeting</td>
<td>7:30 AM</td>
<td>8:30 AM</td>
<td>Hawaii Convention Center</td>
<td>306</td>
</tr>
<tr>
<td>Nurse Practitioners/Physician Assistants Task Force Meeting</td>
<td>7:30 AM</td>
<td>8:30 AM</td>
<td>Hawaii Convention Center</td>
<td>308</td>
</tr>
<tr>
<td>Nursing Section Steering Committee Meeting</td>
<td>7:30 AM</td>
<td>8:30 AM</td>
<td>Hawaii Convention Center</td>
<td>303B</td>
</tr>
<tr>
<td>Osteopathic Medicine Section Business Meeting</td>
<td>7:30 AM</td>
<td>8:30 AM</td>
<td>Hawaii Convention Center</td>
<td>324</td>
</tr>
<tr>
<td>Pediatrics Section Business Meeting</td>
<td>7:30 AM</td>
<td>8:30 AM</td>
<td>Hawaii Convention Center</td>
<td>302</td>
</tr>
<tr>
<td>Research Section Basic and Translational Subcommittee Meeting</td>
<td>7:30 AM</td>
<td>8:30 AM</td>
<td>Hawaii Convention Center</td>
<td>307</td>
</tr>
</tbody>
</table>
## BUSINESS AND ANCILLARY MEETINGS
### TUESDAY, JANUARY 24, 2017, CONTINUED

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Writing Workshop, 1</td>
<td>7:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>304</td>
</tr>
<tr>
<td>Academic Leaders in Critical Care Medicine Meeting</td>
<td>8:00 AM</td>
<td>9:00 AM</td>
<td>Hawaii Convention Center</td>
<td>305</td>
</tr>
<tr>
<td>Patient and Family Support Committee</td>
<td>8:00 AM</td>
<td>9:30 AM</td>
<td>Hawaii Convention Center</td>
<td>309</td>
</tr>
<tr>
<td>Ethics Committee Business Meeting</td>
<td>9:00 AM</td>
<td>10:00 AM</td>
<td>Hawaii Convention Center</td>
<td>307</td>
</tr>
<tr>
<td>Scientific Review Committee Business Meeting</td>
<td>9:15 AM</td>
<td>10:15 AM</td>
<td>Hawaii Convention Center</td>
<td>324</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Communicators Committee Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>303B</td>
</tr>
<tr>
<td>How to Become a Fellow of the American College of Critical Care Medicine</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>314</td>
</tr>
<tr>
<td>Neuroscience Section Business Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>302</td>
</tr>
<tr>
<td>Pediatrics Section Palliative Care Committee Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>309</td>
</tr>
<tr>
<td>Research Section Business Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>306</td>
</tr>
<tr>
<td>Research Section ICU Quality and Patient Safety Subcommittee Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>308</td>
</tr>
<tr>
<td>Respiratory Care Section Business Meeting</td>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>Hawaii Convention Center</td>
<td>303A</td>
</tr>
<tr>
<td>ICU Liberation ABCDEF Bundle Adult Collaborative</td>
<td>10:30 AM</td>
<td>11:30 AM</td>
<td>Hawaii Convention Center</td>
<td>301B</td>
</tr>
<tr>
<td>Item Writing Workshop, 2</td>
<td>11:00 AM</td>
<td>2:00 PM</td>
<td>Hawaii Convention Center</td>
<td>304</td>
</tr>
<tr>
<td>Adult PAD Guideline Meeting</td>
<td>11:00 AM</td>
<td>8:00 PM</td>
<td>Hilton Hawaiian Village Pain, Kalia Tower</td>
<td>303A</td>
</tr>
<tr>
<td>Medical Education Committee Chairs Business Meeting</td>
<td>11:30 AM</td>
<td>12:30 PM</td>
<td>Hawaii Convention Center</td>
<td>308</td>
</tr>
<tr>
<td>Leadership Meeting – THRIVE, ICU Liberation and Patient/Family</td>
<td>11:45 AM</td>
<td>12:45 PM</td>
<td>Hawaii Convention Center</td>
<td>309</td>
</tr>
<tr>
<td>ACCM Nominating Committee Meeting</td>
<td>12:30 PM</td>
<td>1:30 PM</td>
<td>Hawaii Convention Center</td>
<td>308</td>
</tr>
<tr>
<td>Physician Assistants Section Business Meeting</td>
<td>12:30 PM</td>
<td>1:30 PM</td>
<td>Hawaii Convention Center</td>
<td>302</td>
</tr>
<tr>
<td>Internal Medicine Section Open Meeting</td>
<td>1:30 PM</td>
<td>2:30 PM</td>
<td>Hawaii Convention Center</td>
<td>317</td>
</tr>
<tr>
<td>Pediatrics Section Fellowship Directors Committee Meeting</td>
<td>1:30 PM</td>
<td>2:30 PM</td>
<td>Hawaii Convention Center</td>
<td>302</td>
</tr>
<tr>
<td>Research Section Clinical and Epidemiology Subcommittee Meeting</td>
<td>1:30 PM</td>
<td>2:30 PM</td>
<td>Hawaii Convention Center</td>
<td>308</td>
</tr>
<tr>
<td>Uniformed Services Section Business Meeting</td>
<td>1:30 PM</td>
<td>2:30 PM</td>
<td>Hawaii Convention Center</td>
<td>301A</td>
</tr>
</tbody>
</table>
### BUSINESS AND ANCILLARY MEETINGS

**TUESDAY, JANUARY 24, 2017, CONTINUED**

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Billing and Coding Committee Business Meeting</td>
<td>2:30 PM</td>
<td>3:30 PM</td>
<td>Hilton Hawaiian Village</td>
<td>South Pacific 1-3 - Mid Pacific Conference Center</td>
</tr>
<tr>
<td>Knowledge and Skills Business Line Strategic Meeting</td>
<td>3:00 PM</td>
<td>5:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Rainbow Suite 2 &amp; 3 - Rainbow Tower</td>
</tr>
<tr>
<td>Physician Assistants Section Reception</td>
<td>6:00 PM</td>
<td>8:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Sea Pearl Suite 1 - Mid-Pacific Tower</td>
</tr>
</tbody>
</table>

#### Wednesday, January 25, 2017

<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Start Time</th>
<th>End Time</th>
<th>Facility</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Council Meeting</td>
<td>6:30 AM</td>
<td>9:00 AM</td>
<td>Hilton Hawaiian Village</td>
<td>Coral 1 &amp; 2 - Mid Pacific Conference Center</td>
</tr>
<tr>
<td>Adult PAD Guideline Meeting</td>
<td>7:00 AM</td>
<td>3:00 PM</td>
<td>Hilton Hawaiian Village</td>
<td>Kahili Suite - Kalia Tower</td>
</tr>
</tbody>
</table>
SEEING COMPLEXITY IN A NEW LIGHT.

For nearly 150 years, Mallinckrodt has made complex scientific problems manageable, developing valuable treatments and diagnostic tools for patients who need them.

We view challenges as opportunities.

Learn more at Mallinckrodt.com
Visit the photo booth in the Critical Connections Cafe to update your SCCM profile.

- Add your picture, which can be taken by an SCCM staff member
- Update your personal and professional data with degrees, certifications, and other information
- Select your communications preferences

Keeping your profile current helps SCCM better inform you of new resources, products and events that will help you continue to enhance the care you deliver.

PUT A FACE TO YOUR NAME
EXHIBITOR-SPONSORED INDUSTRY EDUCATION WORKSHOPS  Presentations will be held in Theaters 1 and 2 of the Exhibit Hall.

SUNDAY, JANUARY 22, 11:30 A.M. - 12:30 P.M.

**Procalcitonin as a Biomarker for Sepsis** (Theater 1)
Sponsored by bioMerieux
**Presenters:** Robert A. Balk, Devendra N. Amin

Explore the application of procalcitonin levels to aid in monitoring treatment response in bacterial infections. Case studies will illustrate how monitoring procalcitonin levels over time can aid in adjusting medical care in the ICU to optimize decisions regarding patient care and discharge to the ward.

**Patient Selection in PE Intervention** (Theater 2)
Sponsored by EKOS Corporation
**Presenter:** Victor F. Tapson

Which PE patients need intervention and how do you appropriately identify and manage their treatment? Come hear a lively case-based discussion on some innovative ways of evaluating and treating intermediate-risk patients, in light of the 2016 CHEST Guidelines on Antithrombotic Therapy for VTE Disease. Also included is an update on a promising clinical trial on low-dose, catheter-directed thrombolysis.

MONDAY, JANUARY 23, 9:30 A.M. - 10:30 A.M.

**Vascular Access Decision-Making in the ICU: Championing Appropriate Device Selection** (Theater 1)
Sponsored by Bard Access
**Presenter:** Gregory J. Schears

Dr. Gregory Schears will present a patient-centered approach for vascular access selection in the ICU. Successful and safe central vascular access in the ICU cannot be simplified to a blanket recommendation; it is a function of choosing the right device and approach for each patient while adhering to modern insertion and maintenance practices for each device.

**Mitigating Risks of Transfusion-Transmitted Infection and TA-GVHD with Pathogen-Reduced Blood Components** (Theater 2)
Sponsored by Cerus Corporation

Bacterial contamination and emerging pathogens present the leading transfusion-related safety risks today. Pathogen reduction is a proactive approach to mitigating such risks via inactivation of viruses, bacteria, parasites, and leukocytes in plasma and platelet components. Data will be presented to describe and evaluate the efficacy and safety of pathogen-reduced components.

TUESDAY, JANUARY 24, 9:30 A.M. - 10:30 A.M.

**Clinical and Economic Benefits of Syndromic Infectious Disease Testing** (Theater 1)
Sponsored by BioFire

Learn about the clinical and economic benefits of syndromic infectious disease testing and the FilmArray® Meningitis/Encephalitis and Blood Culture Identification Panels.

**The Great Temperature Management Debate** (Theater 2)
Sponsored by Zoll Medical
**Presenters:** Nicolas Deye, Michael C. Kurz

Targeted Temperature Management (TTM), which encompasses fever control and therapeutic hypothermia (TH), has become an increasingly important therapy in critically ill patients. Comparative data on cooling methods and technologies have been scarce, but recently more information has become available. The ICERA study, a newly published multicenter, prospective, randomized controlled trial (RCT), is the largest RCT to directly compare surface cooling to intravascular cooling. The study shows a clear trend toward better neurological outcomes with intravascular cooling, as well as a significant reduction in time required for TTM-related nursing intervention and cooling initiation.
## EXHIBITOR LISTING

<table>
<thead>
<tr>
<th>Company</th>
<th>Booth #</th>
</tr>
</thead>
<tbody>
<tr>
<td>410 Medical Innovation</td>
<td>627</td>
</tr>
<tr>
<td>Abbott Nutrition</td>
<td>402</td>
</tr>
<tr>
<td>Access Scientific</td>
<td>1111</td>
</tr>
<tr>
<td>AcesoCloud Inc.</td>
<td>832</td>
</tr>
<tr>
<td>Adaptec Medical Devices LLC</td>
<td>607</td>
</tr>
<tr>
<td>Advanced ICU Care</td>
<td>709</td>
</tr>
<tr>
<td>Airway Medix/Biovo Technologies</td>
<td>633</td>
</tr>
<tr>
<td>American Board of Internal Medicine</td>
<td>1036</td>
</tr>
<tr>
<td>American Thoracic Society</td>
<td>1133</td>
</tr>
<tr>
<td>ANZICS</td>
<td>1236</td>
</tr>
<tr>
<td>Astute Medical, Inc.</td>
<td>822</td>
</tr>
<tr>
<td>Australian and New Zealand Intensive Care Society &amp; Intensive Care Foundation</td>
<td>1236</td>
</tr>
<tr>
<td>Bard Access Systems</td>
<td>314</td>
</tr>
<tr>
<td>Bard Medical Division</td>
<td>623</td>
</tr>
<tr>
<td>Baxter Healthcare</td>
<td>932</td>
</tr>
<tr>
<td>Beutlich Pharmaceuticals, LLC</td>
<td>514</td>
</tr>
<tr>
<td>BioFire Diagnostics, LLC</td>
<td>1116</td>
</tr>
<tr>
<td>bioMerieux</td>
<td>503</td>
</tr>
<tr>
<td>Board of Pharmacy Specialties</td>
<td>1139</td>
</tr>
<tr>
<td>Cardio Renal Society of America</td>
<td>422</td>
</tr>
<tr>
<td>CEP America</td>
<td>414</td>
</tr>
<tr>
<td>Cerus Corporation</td>
<td>410</td>
</tr>
<tr>
<td>Cheetah Medical Inc.</td>
<td>722</td>
</tr>
<tr>
<td>Cook Medical</td>
<td>909</td>
</tr>
<tr>
<td>CSL Behring</td>
<td>1123</td>
</tr>
<tr>
<td>Curetis USA Inc.</td>
<td>924</td>
</tr>
<tr>
<td>CytoSorbents Corporation</td>
<td>606</td>
</tr>
<tr>
<td>Daxor Corporation</td>
<td>523</td>
</tr>
<tr>
<td>Decisio Health</td>
<td>614</td>
</tr>
<tr>
<td>Draeger Medical</td>
<td>518</td>
</tr>
<tr>
<td>ECMO Advantage</td>
<td>1210</td>
</tr>
<tr>
<td>Edwards Lifesciences</td>
<td>602</td>
</tr>
<tr>
<td>EKOS Corporation</td>
<td>916</td>
</tr>
<tr>
<td>Elsevier</td>
<td>1203</td>
</tr>
<tr>
<td>Endoclear, LLC</td>
<td>1106</td>
</tr>
<tr>
<td>Exergen Corporation</td>
<td>814</td>
</tr>
<tr>
<td>Extracorporeal Life Support Organization (ELSO)</td>
<td>1102</td>
</tr>
<tr>
<td>Fisher &amp; Paykel Healthcare</td>
<td>1202</td>
</tr>
<tr>
<td>Fresenius Kabi USA, LLC</td>
<td>605</td>
</tr>
<tr>
<td>GE Healthcare</td>
<td>415</td>
</tr>
<tr>
<td>Getinge Group</td>
<td>1002</td>
</tr>
<tr>
<td>Haemonetics Corporation</td>
<td>1023</td>
</tr>
<tr>
<td>Halyard Health</td>
<td>732</td>
</tr>
<tr>
<td>Hawaiian Moon</td>
<td>532</td>
</tr>
<tr>
<td>HCA Physician Recruitment</td>
<td>404</td>
</tr>
<tr>
<td>Hill-Rom</td>
<td>703</td>
</tr>
<tr>
<td>ICU Medical, Inc.</td>
<td>808</td>
</tr>
<tr>
<td>Indiana University Kelley School of Business</td>
<td>318</td>
</tr>
<tr>
<td>ISICEM (37th International Symposium On Intensive Care and Emergency Medicine)</td>
<td>1038</td>
</tr>
<tr>
<td>ivWatch, LLC</td>
<td>617</td>
</tr>
<tr>
<td>Kalispell Regional Medical Center</td>
<td>1032</td>
</tr>
<tr>
<td>La Jolla Pharmaceutical Company</td>
<td>502</td>
</tr>
<tr>
<td>Lantheus Medical Imaging</td>
<td>1027</td>
</tr>
<tr>
<td>Madigan Army Medical Center</td>
<td>208</td>
</tr>
<tr>
<td>Mallinckrodt Inc.</td>
<td>1224</td>
</tr>
<tr>
<td>MASIMO</td>
<td>1008</td>
</tr>
<tr>
<td>McMahon Publishing Group</td>
<td>1135</td>
</tr>
<tr>
<td>Medical Decisions Network</td>
<td>1019</td>
</tr>
<tr>
<td>Medtronic</td>
<td>802</td>
</tr>
<tr>
<td>Merck Human Health</td>
<td>506</td>
</tr>
<tr>
<td>Mindray/ZONARE</td>
<td>522</td>
</tr>
<tr>
<td>Navicent Health</td>
<td>833</td>
</tr>
<tr>
<td>Nestlé Health Science</td>
<td>1015</td>
</tr>
<tr>
<td>Neurocritical Care Society</td>
<td>1034</td>
</tr>
<tr>
<td>NeuroOptics, Inc.</td>
<td>914</td>
</tr>
<tr>
<td>NxStage Medical, Inc.</td>
<td>933</td>
</tr>
<tr>
<td>On Call Medical Coats</td>
<td>1238</td>
</tr>
<tr>
<td>Ornim Medical</td>
<td>625</td>
</tr>
<tr>
<td>Philips Healthcare</td>
<td>1022</td>
</tr>
<tr>
<td>Portola Pharmaceuticals</td>
<td>432</td>
</tr>
<tr>
<td>Pronia Medical Systems</td>
<td>714</td>
</tr>
<tr>
<td>Questcare Intensivists, PLLC</td>
<td>509</td>
</tr>
<tr>
<td>RadiometerAmerica, a Danaher Corporation</td>
<td>603</td>
</tr>
<tr>
<td>Restorative Therapies, Inc.</td>
<td>511</td>
</tr>
<tr>
<td>Sage Therapeutics</td>
<td>632</td>
</tr>
<tr>
<td>Saint Alphonsus Regional Medical Center</td>
<td>922</td>
</tr>
<tr>
<td>SCCM Future Congresses</td>
<td>1136</td>
</tr>
<tr>
<td>SCCM Social Media</td>
<td>1237</td>
</tr>
<tr>
<td>Smiths Medical</td>
<td>516</td>
</tr>
<tr>
<td>SonoSim</td>
<td>1137</td>
</tr>
<tr>
<td>SonoSite</td>
<td>702</td>
</tr>
<tr>
<td>Springer</td>
<td>1109</td>
</tr>
<tr>
<td>Syncro Medical Innovations</td>
<td>815</td>
</tr>
<tr>
<td>Teleflex</td>
<td>202</td>
</tr>
<tr>
<td>The Intensivist Group</td>
<td>608</td>
</tr>
<tr>
<td>The JAMA Network</td>
<td>615</td>
</tr>
<tr>
<td>The Medicines Company</td>
<td>423</td>
</tr>
<tr>
<td>Thermo Scientific</td>
<td>915</td>
</tr>
<tr>
<td>University of Tennessee Physician Executive MBA Program</td>
<td>203</td>
</tr>
<tr>
<td>Vapotherm</td>
<td>1014</td>
</tr>
<tr>
<td>Virtual Pediatric Systems, LLC</td>
<td>816</td>
</tr>
<tr>
<td>Vital Therapies, Inc.</td>
<td>302</td>
</tr>
<tr>
<td>Wolters Kluwer Health</td>
<td>818</td>
</tr>
<tr>
<td>ZOLL Medical Corporation</td>
<td>902</td>
</tr>
</tbody>
</table>
INDEX

Business and Ancillary Meetings ................................................................................................................................. 61-68
Critical Crosstalk Theater .............................................................................................................................................. 17
Cutting-Edge Education from SCCM .......................................................................................................................... 8-9
Exhibitor Listing ............................................................................................................................................................ 70
Exhibitor-Sponsored Industry Education Workshops ............................................................................................... 69
General Information ......................................................................................................................................................... 13-14
  Access/Special Assistance ........................................................................................................................................ 13
  Badges ......................................................................................................................................................................... 13
  Business Center .......................................................................................................................................................... 13
  Childcare .................................................................................................................................................................... 13
  Coffee/Dining ............................................................................................................................................................. 13
  Congress App ............................................................................................................................................................. 13
  Congress On Demand .............................................................................................................................................. 13
  Continuing Education ............................................................................................................................................ 13
  Critical Connections Cafe ...................................................................................................................................... 14
  Emergency Procedures ........................................................................................................................................... 14
  Exhibit Hall Hours .................................................................................................................................................. 14
  First Aid .................................................................................................................................................................. 14
  Information Desk .................................................................................................................................................... 14
  Luggage Check ......................................................................................................................................................... 14
  Mothers’ Room ........................................................................................................................................................ 14
  Recording and Photography .................................................................................................................................. 14
  Registration ............................................................................................................................................................... 14
  Session Protocol ...................................................................................................................................................... 14
  Speaker Ready Room .............................................................................................................................................. 14
  Wireless Internet Access ......................................................................................................................................... 14
Notes .............................................................................................................................................................................. 72-76
Research Snapshot Theaters .......................................................................................................................................... 55-60
Schedule of Events .......................................................................................................................................................... 18-54
  Friday, January 20, 2017 .......................................................................................................................................... 18-19
  Saturday, January 21, 2017 ................................................................................................................................. 20-26
  Sunday, January 22, 2017 ................................................................................................................................. 27-33
  Monday, January 23, 2017 ................................................................................................................................. 34-41
  Tuesday, January 24, 2017 ................................................................................................................................. 42-48
  Wednesday, January 25, 2017 ........................................................................................................................... 49-52
  Thursday, January 26, 2017 .............................................................................................................................. 53-54

DOWNLOAD THE CONGRESS APP!

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

Apps designed specifically for the iPhone, iPad and Android are available. Search “SCCM” in Google Play or the iTunes store. You can also download the SCCM App at http://www.sccm.org/SCCMApp.
Sepsis kills. Quickly getting patients on targeted therapy is critical.

Timely and effective therapy is critical in the management of sepsis. BioFire's FilmArray® Blood Culture Identification (BCID) Panel enables clinicians to rapidly identify the pathogens causing sepsis allowing clinicians to quickly initiate pathogen-directed therapy.

The FilmArray® BCID Panel tests for a broad range of 24 gram-positive, gram-negative and yeast pathogens and 3 antibiotic resistance genes associated with bloodstream infections in about an hour. Rapid identification of the most common causes of bloodstream infections reduces the time to effective therapy and potentially improves patient survival.

To learn more, stop by BioFire's booth #1116 at SCCM, January 22-24, 2017, or visit BioFireDX.com.
A **passion for life** transforms lives every day.

As a Critical Care professional, you know the remarkable feeling.

Everyday you transform the lives of your patients and their families through optimized outcomes. At Getinge Group, composed of the Maquet, ArjoHuntleigh and Getinge brands, we are proud to be your partners providing innovative therapy solutions, services and educational opportunities to help you make those outcomes possible.

We invite you to visit us at the 46th Critical Care Congress, Booth #1002, and explore all that Getinge Group has to offer you and your patients.