PROGRAM AND EXHIBITION GUIDE

Critical Care Congress

January 9-13, 2014  Moscone Center South
San Francisco, California, USA

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The Root of Sedation
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SedLine brain function monitoring for the Root™ patient monitoring platform that helps clinicians improve sedation management by enabling more individualized titration

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Mark your calendar and join more than 6,000 members of the critical care community in the Valley of the Sun for the Society of Critical Care Medicine’s (SCCM) 44th Critical Care Congress.

Each member of the multiprofessional team is vital in creating a bright world where all critically ill and injured patients receive the best possible care. Exploration of breakthroughs in research is one of an abundance of ways practical knowledge at Congress can be applied in your intensive care unit.

The 2015 Congress will provide unique opportunities to network with leadership in critical care and experience enlightened and innovative learning experiences that highlight the most up-to-date, evidence-based developments in critical care medicine.

Registration opens June 2014 at www.sccm.org/Congress.
The Society of Critical Care Medicine appreciates the support of all our industry partners who contribute to the overall success of this event. In particular we are grateful for the generosity of the following companies that have made substantial financial commitments in support of the 43rd Critical Care Congress:

Platinum

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- Baxter-Gambro Renal
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- Edwards Lifesciences
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- MAQUET Medical Systems USA
  Booth #801
- Vidacare Corporation
  Booth #625
- Zoll Medical Corporation
  Booth # 809

The Congress educational program is made possible through independent medical education grants from the following supporters:
## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014 Congress Sponsors</td>
<td>2</td>
</tr>
<tr>
<td>Message from the Leadership</td>
<td>5</td>
</tr>
<tr>
<td>Welcome International Delegates</td>
<td>5</td>
</tr>
<tr>
<td>Message from the Co-Chairs</td>
<td>7</td>
</tr>
<tr>
<td>Congress Program Planning Committee</td>
<td>11</td>
</tr>
<tr>
<td>2013-2014 Executive Committee and Council</td>
<td>13</td>
</tr>
<tr>
<td>San Francisco Tours</td>
<td>14</td>
</tr>
<tr>
<td>American College of Critical Care Medicine (ACCM)</td>
<td>16</td>
</tr>
<tr>
<td>SCCM Membership Application</td>
<td>21-22</td>
</tr>
<tr>
<td>Popular Events and Sessions</td>
<td>24-25</td>
</tr>
<tr>
<td>Plenary Sessions</td>
<td>24</td>
</tr>
<tr>
<td>Fellowship Program Directors’ Luncheon</td>
<td>25</td>
</tr>
<tr>
<td>Keynote Speakers Session</td>
<td>25</td>
</tr>
<tr>
<td>Abstract Presentations and Poster Hall Events</td>
<td>25</td>
</tr>
<tr>
<td>Critical Connections Cafe</td>
<td>26</td>
</tr>
<tr>
<td>Membership</td>
<td>26</td>
</tr>
<tr>
<td>Sections and Chapters</td>
<td>26</td>
</tr>
<tr>
<td>American College of Critical Care Medicine (ACCM)</td>
<td>26</td>
</tr>
<tr>
<td>Fundamental Critical Care Support (FCCS), Pediatric</td>
<td>26</td>
</tr>
<tr>
<td>Fundamental Critical Care Support (PFCCS) and</td>
<td>26</td>
</tr>
<tr>
<td>Fundamental Disaster Management (FDM)</td>
<td>26</td>
</tr>
<tr>
<td>Prize Drawings</td>
<td>26</td>
</tr>
<tr>
<td>SCCM Bookstore</td>
<td>26</td>
</tr>
<tr>
<td>Cutting-Edge Information from SCCM</td>
<td>27</td>
</tr>
<tr>
<td>SCCM’s Green Initiatives</td>
<td>29</td>
</tr>
<tr>
<td>SCCM Staff</td>
<td>30</td>
</tr>
<tr>
<td>General Information</td>
<td>32-33</td>
</tr>
<tr>
<td>Access/Special Assistance</td>
<td>32</td>
</tr>
<tr>
<td>ATM</td>
<td>32</td>
</tr>
<tr>
<td>Badges</td>
<td>32</td>
</tr>
<tr>
<td>Business Center</td>
<td>32</td>
</tr>
<tr>
<td>CME/CE Stations</td>
<td>32</td>
</tr>
<tr>
<td>Coat/Luggage Check</td>
<td>32</td>
</tr>
<tr>
<td>Coffee/Dining</td>
<td>32</td>
</tr>
<tr>
<td>Congress App</td>
<td>32</td>
</tr>
<tr>
<td>Emergency Procedures</td>
<td>32</td>
</tr>
<tr>
<td>Exhibit Hall Hours</td>
<td>32</td>
</tr>
<tr>
<td>Information Desk</td>
<td>32</td>
</tr>
<tr>
<td>Lost and Found</td>
<td>32</td>
</tr>
<tr>
<td>No Smoking Policy</td>
<td>32</td>
</tr>
<tr>
<td>Parking</td>
<td>33</td>
</tr>
<tr>
<td>Poster Activities</td>
<td>33</td>
</tr>
<tr>
<td>Refreshment Breaks</td>
<td>33</td>
</tr>
<tr>
<td>Registration</td>
<td>33</td>
</tr>
<tr>
<td>Session Protocol</td>
<td>33</td>
</tr>
<tr>
<td>Society Offices/Exhibits</td>
<td>33</td>
</tr>
<tr>
<td>Speaker Ready Room</td>
<td>33</td>
</tr>
<tr>
<td>Use of Recording Equipment</td>
<td>33</td>
</tr>
<tr>
<td>Wireless Internet Access</td>
<td>33</td>
</tr>
<tr>
<td>Moscone Center South/San Francisco Marriott</td>
<td>36-39</td>
</tr>
<tr>
<td>Floor Plans</td>
<td>36-39</td>
</tr>
<tr>
<td>Comprehensive Program Topics</td>
<td>42-43</td>
</tr>
<tr>
<td>Learning Objectives</td>
<td>44</td>
</tr>
<tr>
<td>Policy on Appropriate Use of Commercial Support</td>
<td>44</td>
</tr>
<tr>
<td>Continuing Education Credit</td>
<td>45-47</td>
</tr>
<tr>
<td>Disclosures</td>
<td>48-56</td>
</tr>
<tr>
<td>Schedule of Events</td>
<td>57-89</td>
</tr>
<tr>
<td>Wednesday, January 8, 2013</td>
<td>57-58</td>
</tr>
<tr>
<td>Thursday, January 9, 2014</td>
<td>59-63</td>
</tr>
<tr>
<td>Friday, January 10, 2014</td>
<td>64-69</td>
</tr>
<tr>
<td>Saturday, January 11, 2014</td>
<td>70-78</td>
</tr>
<tr>
<td>Sunday, January 12, 2014</td>
<td>79-85</td>
</tr>
<tr>
<td>Monday, January 13, 2014</td>
<td>86-89</td>
</tr>
<tr>
<td>2014 Award and Grant Recipients</td>
<td>91-95</td>
</tr>
<tr>
<td>Business Meetings</td>
<td>96-98</td>
</tr>
<tr>
<td>Exhibit Hall Floor Plan</td>
<td>100-101</td>
</tr>
<tr>
<td>Exhibit Hall Information and Events</td>
<td>102</td>
</tr>
<tr>
<td>Exhibit Hall Hours</td>
<td>102</td>
</tr>
<tr>
<td>Future Congresses</td>
<td>102</td>
</tr>
<tr>
<td>Internet Access</td>
<td>102</td>
</tr>
<tr>
<td>Refreshment Breaks</td>
<td>102</td>
</tr>
<tr>
<td>Exhibitor-Sponsored Industry Education Workshops</td>
<td>102</td>
</tr>
<tr>
<td>Exhibitor Listing</td>
<td>104-120</td>
</tr>
<tr>
<td>Exhibitor Aisle Listing</td>
<td>123</td>
</tr>
<tr>
<td>Exhibitor Listing by Product Categories</td>
<td>124-125</td>
</tr>
<tr>
<td>Index</td>
<td>127</td>
</tr>
</tbody>
</table>
Download the Congress App!

Create your schedule, see the list of speakers, and much more. All the event info you need is on the Congress App!

Play Click to Win a $500 Apple Gift Card

Click is a scavenger hunt-like game built into the Congress App. Participants complete photo challenges by taking pictures and emailing them in to earn points. A leaderboard tracks how many points everyone has and where they rank in the game. Download the app, sign up and get started!

Download the Congress App!
Scan the QR code or visit www.sccm.org/ccc43app.
Welcome to San Francisco and to the Society of Critical Care Medicine's (SCCM) 43rd Critical Care Congress.

We are excited to join you in the “City by the Bay” for this event, where imagination and innovation meet investment.

Congress is a catalyst for improving patient care, and changing practice involves a true multiprofessional approach. That unparalleled diversity of perspectives is present here at the largest meeting of critical care professionals, which brings together thought leaders from all over the world.

Anticipation and excitement for this year’s meeting are high, and we hope you will take advantage of all Congress has to offer. Be sure to visit the Exhibit Hall and the new Critical Connections Cafe, a relaxed space designed to facilitate networking, knowledge sharing and conversation.

This year’s meeting is sure to be a powerhouse of creative and inspirational ideas, providing innovative educational experiences and highlighting the field of critical care medicine’s most up-to-date evidence-based developments.

The science surrounding patient care is changing, and we hope that Congress will inspire you to innovate. It can be done; it must be done; and, on behalf of our patients, we can do it.

This Congress celebrates many new and updated resources. In continuing SCCM’s focus to help clinicians deliver the right care to patients at the right time, the Society has been awarded a grant in support of its new Project Dispatch - Disseminating Patient-Centered Outcomes Research to Healthcare Professionals. The award, announced by the Agency for Healthcare Research and Quality, marks the first time the Society has received federal funding in support of a program.

We also note the launch of the ICU Liberation initiative, which builds upon the work of our pain, agitation, and delirium guideline, published last year. It provides you with useful implementation tools to improve outcomes in your patients.

We hope your experience here in San Francisco – where the culture of technology imagines ways to amplify the effectiveness of medicine – exceeds your expectations, and you leave re-energized in your commitment to provide the highest quality of care for all critically ill and injured patients.

Welcome International Delegates

The Society of Critical Care Medicine (SCCM) welcomes our critical care partners from around the world. These delegates have joined SCCM in San Francisco, California, USA, to develop friendships, network with multiprofessional critical care colleagues and learn from world-renowned faculty. SCCM is grateful to those individuals who have traveled a great distance to attend Congress.
improve sepsis risk assessment

Nearly one out of 23 patients in U.S. hospitals had sepsis in 2009. Early identification of sepsis and initiation of therapy are crucial to improving patient outcomes. Procalcitonin (PCT) can provide valuable information to those examining the patient in the earliest hours of disease progression. Join us at SCCM, booth 416 for information on tools for early sepsis management and strategies to drive changes in sepsis practices and policies.

Procalcitonin (PCT)

Have you taken the Sepsis Challenge? Stop by Booth 416 to play our NEW cutting-edge sepsis knowledge game.
Dear Colleague,

Thank you for joining us in San Francisco, California, USA, for the Society of Critical Care Medicine’s (SCCM) 43rd Critical Care Congress, January 9 to 13, 2014, where innovation will meet at the intersection of technology and medicine.

When the right people come together in one place, ideas become a reality. San Francisco has proven itself to be a city that is adept at combining disparate elements to create something new; taking the familiar and marrying it to the unknown; merging expectations to moments of unpredictability; and uniting long-held notions with startling innovations. The focus of the 2014 Congress is “Investment + Imagination.” The next five days will be a powerhouse of creative and inspirational ideas for the critical care field. Novel discoveries will be showcased, culminating a year’s worth of achievements in research and education.

The 2014 Congress will provide outstanding networking opportunities and innovative learning experiences, highlighting the most up-to-date, evidence-based developments in critical care medicine. Engage in the numerous events and networking opportunities offered at Congress:

▲ Participate in cutting-edge educational sessions, hands-on workshops and interactive debates.
▲ Collaborate with members of the multiprofessional team to solve complex problems, reduce barriers and improve standards.
▲ Preview the newest technologies, products, services, and career opportunities provided by hundreds of exhibitors.

Interact with more than 4,000 of your critical care colleagues from around the world. Take advantage of this unique opportunity to expand your critical care knowledge and enhance the care you deliver to patients.

Message from the Co-Chairs

Daniel R. BROWN, MD, PhD, FCCM
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Rochester, Minnesota, USA

Vinay M. NADKARNI, MD, FCCM
Medical Director, Center for Simulation, Advanced Education and Innovation
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Put a Face to Your Name

Visit the photo booth in the Critical Connections Cafe to update your SCCM profile.

- Add your picture, which can be taken by an available SCCM staff member
- Update your personal and professional data with information, including degrees and certifications
- 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.

John SMITH, MD, FCCM
Associate Professor, Anesthesiology, Critical Care, Surgery
Central Critical Care Associates, Chief Intensivist
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Adult ICU patients commonly experience pain, agitation and delirium (PAD). These issues are frequently inappropriately managed, leading to profoundly negative effects on the physical and psychological well-being of patients and their families. This symposium will review the use of valid and reliable bedside assessment tools to measure PAD, as well as the importance of early mobility protocols in improving patient outcomes. Expert faculty will discuss the implementation of the 2013 care bundle and guidelines, which will be transformative with broad impact on ICU care.
Special thanks to the multiprofessional team who worked to establish this year’s stellar educational program.

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44th Critical Care Congress
Call for Abstracts!

Make your contribution to the advancement of critical care by submitting your original investigative research and case reports for the 44th Critical Care Congress. If accepted, your work will be on display throughout Congress, which will be held January 17-21, 2015. Abstracts also will be published in Critical Care Medicine, the #1 critical care subspecialty journal. Individuals whose abstracts are accepted also enjoy other benefits:

- **PEER EVALUATION.** Select posters will be visited by critical care experts who provide indispensable feedback.
- **AWARDS.** Multiple awards are offered, including scientific awards, educational scholarships and research awards.

Presenting authors who are SCCM members at the time of abstract submission may have an opportunity to apply for complimentary Congress registration.

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

Visit [www.sccm.org/abstracts](http://www.sccm.org/abstracts) for complete details on submission guidelines and categories.

- Abstracts may be submitted between May 1 and August 1, 2014, 12:00 p.m. Central Time

**January 17-21, 2015**
**Phoenix Convention Center**
**Phoenix, Arizona, USA**
Individuals whose abstracts are accepted also enjoy other benefits: registration to apply for complimentary Congress memberships at the time of abstract submission, scholarships and research awards. Multiple awards are offered, including scientific awards, educational awards, and case reports for the 44th Critical Care Congress. If accepted, your work will be on display throughout Congress, and you will have the opportunity to interact with other professionals in the field.

Make your contribution to the advancement of critical care by submitting your original investigative research. Visit www.sccm.org/abstracts for Basic Science, Case Reports, Clinical Research, and PEER EVALUATION guidelines and categories. Select posters for the 44th Critical Care Congress. If your poster is selected, you will receive a traveling grant to attend the Congress and present your research.

Call for Abstracts! Important Dates:
- May 1 and August 1, 2014, 12:00 p.m.: Abstracts may be submitted between these dates.
- November 14, 2014, 12:00 p.m.: Abstracts must be submitted by this date for consideration.
- January 17-21, 2015: The Congress will be held in Phoenix, Arizona, USA at Phoenix Convention Center.

We look forward to seeing your contributions to the field of critical care medicine.
Sightseeing Activities

SCCM is offering the following organized tours for attendees who want to experience some of the San Francisco area’s main attractions. Sign up for tours at the Registration desk on the first floor of Moscone Center South.

The City and the Bay
This tour offers the perfect overview of the many landmarks that make San Francisco “Everybody’s Favorite City.” You will see the Golden Gate Bridge and a breathtaking view from Vista Point; the mystical wonders of Chinatown; the famous Painted Ladies Victorian homes; and of course, glimpses of San Francisco’s unique neighborhoods. The tour also includes a one-hour bay cruise with amazing views of San Francisco, as well as Alcatraz and Angel Islands. After the tour, you can return to your hotel, or remain at Fisherman’s Wharf and return on your own.

Magical Marin: Muir Woods and Sausalito
Cross the Golden Gate Bridge for a wonderful morning in stunning Marin County! You will begin the tour in Muir Woods, named for the conservationist, John Muir. Here, you will see the magnificent redwoods, many of them thousands of years old. Next, you will visit the charming and eclectic town of Sausalito, with beautiful streets, unique shops and one-of-a-kind art galleries. You will have time to shop and browse in Sausalito before returning to San Francisco via ferry.

The Best of the California Wine Country
Enjoy two very different wineries on this all-day wine country experience. This tour begins in the heart of Sonoma’s wine country at Ravenswood. Here, you will journey through this renowned winery’s vineyards and cellars with a private tasting and tour. Stop in the delightful town of Yountville for time to stroll and shop, and enjoy lunch on your own. A final stop at Clos du Val, a small boutique winery, will allow you to sample another of California’s wine country gems before heading back to San Francisco.

Chinatown Discovery: A Walking Excursion (with Dim Sum Lunch)
Once you enter the historic Lion Gates, you will be transported to San Francisco’s renowned Chinatown. You will walk down Grant Avenue, the main street of exotic Chinatown, where shops abound with jade, ivory and silk, as well as novelty and gift items. Your tour may include a visit to an authentic fortune cookie factory or a Chinese temple. Since the aromas of the neighboring restaurants will certainly stimulate your appetite, the tour will conclude with a traditional dim sum lunch before heading back to the hotel.

Emphasis on Art: Legion of Honor and de Young Museum
On this tour, docents will lead you through the California Palace of the Legion of Honor, one of San Francisco’s most prestigious landmarks. The Legion, dedicated in memory of Californians who died during World War I, emphasizes the culture and art of Europe, and includes one of the finest Rodin collections in the world. Next is the de Young Museum, located in Golden Gate Park. The de Young houses renowned collections of American, Central and South American, South Pacific and African Art. Also, don’t miss the magnificent views from the observation deck of the nine-story tower.
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4 F Dual Lumen | 2.5 mL/sec

**Warning:** For PowerPICC\* FT & PowerPICC SOLO\*2 FT catheters, do not trim the catheter shorter than 30 cm or in the “NO TRIM ZONE” indicated on the catheter shaft. Trimming shorter than 30 cm could result in catheter tip displacement while power injecting.

**Warning:** Ensure that the stylet tip does not extend beyond the trimmed end of the catheter. Extension of the stylet tip beyond the catheter end, combined with kinking and excessive forces may result in vessel damage, stylet damage, difficult removal, stylet tip separation, potential embolism, and risk of patient injury.

Please consult package insert for more detailed safety information and instructions for use.

\*Bard, PowerPICC, PowerPICC SOLO, and Sherlock 3CG are trademarks and/or registered trademarks of C. R. Bard, Inc. © 2013 C. R Bard, Inc. All Rights Reserved. MC-1202-00 1308R

WWW.BARDACCESS.COM
When the American College of Critical Care Medicine (ACCM) was created in 1988, the Society of Critical Care Medicine (SCCM) began a tradition dedicated to the recognition of excellence.

ACCM is committed to fostering the highest goals of multiprofessional critical care. It honors individuals whose achievements and contributions demonstrate a personal commitment to these goals, promotes a forum for the development of collaborative practice among the specialties and professions providing critical care, and serves as SCCM’s consultative body possessing recognized expertise in the practice of critical care.

The prestigious designation of Fellow of the American College of Critical Care Medicine (FCCM) honors practitioners, researchers, administrators and educators who have made outstanding contributions to the collaborative field of critical care. ACCM is comprised of nurses, pharmacists, physicians, respiratory care practitioners, and other healthcare professionals who are all experts in their fields.

As an organization devoted to creating a greater understanding of critical care, ACCM emphasizes quality management in the practice and administration of critical care, focuses on leadership and underscores the importance of fostering partnerships, humane caring, communication and public opinion involving critical care.

In 2011, SCCM added the Master of Critical Care Medicine (MCCM) designation. This honors Fellows of the ACCM who have distinguished themselves by achieving national and international professional prominence due to personal character, leadership, eminence in critical care, or years of exemplary service to SCCM, ACCM and the field of critical care in its broadest sense. To be eligible, an individual must have been an FCCM for at least five years. Fellows may nominate other Fellows for this honor.

**Become a Fellow of the American College of Critical Care Medicine**

<table>
<thead>
<tr>
<th>FRIDAY, JANUARY 10, 2014</th>
<th>3:45 P.M. – 4:45 P.M.</th>
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<tbody>
<tr>
<td>MOSCON CENTER SOUTH</td>
<td>ROOM 252</td>
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Attend this year’s session to obtain information on joining your colleagues as a Fellow of this distinguished body. You can also stop by the Critical Connections Cafe to obtain an application or contact Carol Prendergast at cprendergast@sccm.org. Applications are due March 15, 2014.

Fellows of the American College of Critical Care Medicine are eligible to nominate other Fellows for the esteemed designation of Master of Critical Care Medicine. You can contact Colette Punda at cpunda@sccm.org to obtain the award criteria. Nominations are due April 15, 2014.

**ACCM Convocation and SCCM Awards Ceremony**

<table>
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<tr>
<th>SATURDAY, JANUARY 11, 2014</th>
<th>6:30 P.M. – 8:00 P.M.</th>
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<tr>
<td>SAN FRANCISCO MARRIOTT MARQUIS</td>
<td>YERBA BUENA BALLROOM</td>
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Members and guests are invited to attend the ACCM Convocation and SCCM Awards Ceremony, where new Fellows will be inducted into the ACCM and award and grant recipients will be honored. Come support your colleagues during this prestigious occasion.

Ernest E. Moore, MD, FACS, FCCM, is the recipient of the 2014 ACCM Distinguished Investigator Award, ACCM's highest recognition given to an individual whose scientific and educational contributions to the art and science of critical care demonstrate career commitment and excellence. Join your colleagues in congratulating Dr. Moore and plan on attending his address, “What Would Osler Say?”

**ACCM Town Hall**

<table>
<thead>
<tr>
<th>SUNDAY, JANUARY 12, 2014</th>
<th>11:00 A.M. – 12:30 P.M.</th>
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<tr>
<td>MOSCON CENTER SOUTH</td>
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All Congress attendees are invited to attend the ACCM’s Town Hall, where this year's topic will be “Infection Control: How Are We Doing?” Presenters include:

▲ Kathleen VOLLMAN, MSN, RN, CCNS, FCCM — Evidence Versus Tradition: Examining the Science on Bathing Critically Ill Patients
▲ Philip S. BARIE, MD, MBA, FCCM — Source Control and Other Surgical Musings
▲ Douglas N. FISH, PharmD, BCPS, FCCM — Antimicrobial Stewardship: Does Controlling Antibiotics Improve Infection Control?

Don’t miss this interactive discussion!

**ACCM Business Meeting**

<table>
<thead>
<tr>
<th>SUNDAY, JANUARY 12, 2014</th>
<th>1:30 – 2:00 P.M.</th>
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<tr>
<td>MOSCON CENTER SOUTH</td>
<td>ROOM 252</td>
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</table>

The leadership of ACCM will announce election results for the 2014-2015 Board of Regents and summarize the ACCM activities over the past year. This is a great opportunity to meet with members of the Board and network with ACCM Fellows.
Introducing the NEW Alphacurve® Triple Lumen Short-term Dialysis Catheter that provides:

**FLEXIBILITY & UTILITY**

- Flow performance of 350 mL/min & kink resistant lumens.
- All catheter lengths provide flow performance of 350 mL/min.
- Rotatable suture wing
- Depth markings facilitate insertion of catheter to desired depth
- Clamps indicate priming volumes
- 13 Fr. shaft comprised of thermosensitive polyurethane, which softens at body temperature but still provides stiffness during insertion
- Tip is softer than the shaft
- Symmetrical tip design minimizes recirculation
- A variety of length options are available
- Indicated for intravenous therapy, power injection of contrast media and central venous pressure monitoring

† Warning: For optimal product performance and to avoid complications, do not inset any portion of the curve into the vein.
As the roles of nurse practitioners (NPs) and physician assistants (PAs) in the ICU expand, so does the need to promote their proper and optimal utilization as members of the critical care team. *Integrating Nurse Practitioners & Physician Assistants Into the ICU* provides vital information and resources for how to do just that. With staffing schedule models, orientation/training templates, and other practical educational resources, this essential reference also serves as a resource for clinicians and institutions that seek to enhance patient care by introducing or further expanding their use of NPs and PAs into the multiprofessional ICU workforce teams.

$70 member / $95 nonmember

Product Code: INTEGRATE
Publication Year: 2012

To order copies of *Integrating Nurse Practitioners & Physician Assistants Into the ICU*, please contact SCCM Customer Service at +1 847 827-6888 or order online at www.sccm.org.

---

**Developing a Competitive Application for Your First Job**

*Attend the In-Training Section Session held during the Society of Critical Care Medicine’s 42nd Critical Care Congress.*

**PROGRAM**

- Academic Medicine Versus Private Practice: Similarities and Differences
  - John HOYT
- Developing a CV and Obtaining Appropriate Mentorship In and After Training
  - Ann THOMPSON
- Job Search, Interviews, and Contract Negotiating
  - Timothy YEH
- Creating an Expressive and Powerful Presentation
  - Paul WISCHMEYER

**LEARNING OBJECTIVES**

- Identify differences between pathway careers in critical care
- Identify appropriate mentorships
- Understand the job search, interview process and how to improve your chances for success
- Develop academic skills
Early Assessment of AKI: Are New Biomarkers Rising to the Challenge?

Friday, January 10, 2014 | 6:30-8:00 PM | Marriott Marquis | San Francisco, CA

- Join us for dinner at a promotional symposium to further understand the dilemmas in early assessment of patients at risk for AKI and how new methods may assist in clinical decisions.

- Reserve your space and pre-register now at AKIassessment.com. There will be additional resources on the website following the program.

Find us on Twitter @AcuteKidneyMan

Plan to visit the Astute Medical booth #621 during the Society of Critical Care Medicine’s 43rd Critical Care Congress. See the first real advance in AKI testing in more than 60 years.
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 amongst 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:**

- $275 for Physicians (regular rate $375)
- $117 for Healthcare Professionals (regular rate $162)
- $158 for International Physicians (regular rate $258)

*Offer available for on-site registration only. Excludes membership renewals.

Society of Critical Care Medicine
The Intensive Care Professionals
Commit to Critical Care

Mission
The mission of the Society of Critical Care Medicine is to secure the highest quality care for all critically ill and injured patients.

As a member of the Society of Critical Care Medicine (SCCM), you will not only make a valuable commitment to yourself, but you also will commit to securing the highest quality care for all critically ill and injured patients. With nearly 16,000 members in more than 100 countries, the Society of Critical Care Medicine is the only multiprofessional organization dedicated exclusively to the advancement of critical care, education, research and advocacy.

Membership in this unique organization gives you access to activities that promote excellence in patient care and tools that enhance your delivery of the right care at the right moment. It is an unequalled opportunity to connect your own day-to-day work with new ideas, trends and the expertise of other professionals.

Membership Benefits Include, but are not limited to:

Career Development
Continue the lifelong learning process by accessing educational and clinical content as well as practice-enhancing guidelines on SCCM's LearnICU.org website. Search for new job opportunities using Career Central, SCCM's online career placement website for clinicians.

Skill Enhancement
Gain a multiprofessional perspective to optimize patient care, develop team building skills and improve the performance of your institution using the Right Care, Right Now™ paradigm.

Unlimited Networking
Engage in informative conversations in person at SCCM events or online using Critical Care Forums. Locate fellow colleagues from around the world using SCCM's membership database.

Leadership Opportunities
Give back to the profession and help further patient care practices by volunteering in SCCM's Creative Community in Critical Care. Join up to three specialty sections to meet colleagues with similar interests.

Substantial Savings
Receive up to 25% discount off educational programs and resources including SCCM's annual Congress and board review courses, publications and products.

For more information, visit www.sccm.org or call SCCM Customer Service at +1 847 827-6888.
## Membership Application

### Personal Information (Please Print)

<table>
<thead>
<tr>
<th>Prefix</th>
<th>First Name</th>
<th>Middle Initial</th>
<th>Last Name (Surname)</th>
<th>Designation (MD, RN, PharmD, etc.)</th>
<th>Profession</th>
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### Phone/Email

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### Certifications

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<th>Board Certification(s)/License(s) &amp; Year:</th>
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### In-Training (required if currently enrolled in training program)

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<th>Institution Name</th>
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<tr>
<th>Program Director’s Name</th>
<th>Location</th>
<th>End Date (MM/DD/YY)</th>
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### Membership Options

- Healthcare Professional (Dues $162 U.S.) - Available to all healthcare professionals except physicians. Provides full privileges of membership.
- Physician (Dues $375 U.S.) - Provides full privileges of membership.
- International Physician (Dues $258 U.S.) - Available to physicians residing outside the United States. Provides privileges of membership, except the right to make motions, vote, or hold office.
- Young Physician (Dues $200 U.S.) - Available to physicians who have completed their fellowship training programs within the last three years. Documentation verifying the fellowship program completion date is required. Provides full privileges of membership.
- In-training (check one) — Fellow ○ Resident ○ Student (Dues $85 U.S.) - Available to individuals in specialty training programs or pursuing education in healthcare and related fields. Provides privileges of membership, except the right to make motions, vote, or hold office.
- Verification letter from program director is required.
- International Associate (Dues $55 U.S.) - Available to all healthcare professionals residing outside the United States. Provides privileges of membership, except the right to vote, make motions, hold office; receive Critical Care Medicine; or apply for fellowship in the American College of Critical Care Medicine.

### Specialty Sections

Membership in SCCM includes the option to join up to three specialty sections. Please check a maximum of three:

- Anesthesiology
- Clinical Pharmacy & Pharmacology
- Emergency Medicine
- Industry & Technology
- Internal Medicine
- In-training
- Neuroscience
- Nursing
- Osteopathic Medicine
- Pediatric*
- Physician Assistants
- Research
- Respiratory Care
- Surgery
- Uniformed Services

### Chapters

Membership includes the option to join one of 12 state and regional chapters for an additional fee of $45 U.S. (In-training members may join at no cost.)

- Baltimore
- Carolinas/Virginias (NC, SC, VA, WV)
- Michigan
- New Jersey
- New Mexico
- North Central (IA, MN, ND, SD, WI)
- Northeast (CT, MA, ME, NY, RI, VT)
- Ohio
- Oregon
- Pennsylvania
- Southeast (AL, AR, GA, KY, LA, MS, TN)
- Texas

### Demographic

<table>
<thead>
<tr>
<th>Primary Employment Settings</th>
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<tbody>
<tr>
<td>Government Hospital/Clinic</td>
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<td>Medical School/University</td>
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<tr>
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<td>Pediatric/Multispecialty Group Practice</td>
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<td>Solo/Two-Physician Practice</td>
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<td>Staff Model HMO</td>
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### Payment Information

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<tr>
<th>Cardholder Name</th>
<th>Signature</th>
<th>Date</th>
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</table>

JOIN NOW! Choose from four easy ways to join:

1. Visit us online at www.sccm.org
2. Call SCCM Customer Service at +1 847 827-6888
3. Fax the completed membership application to +1 847 827-7913
4. Mail the completed membership application along with payment to: SCCM, 35083 Eagle Way, Chicago, IL 60678-1350 USA

Privacy Statement: SCCM periodically rents its membership list to organizations that wish to promote educational courses, publications and other products or services that are of interest to critical care practitioners. If you wish to be excluded, please check here ○

*Please note that Pediatric Section membership has an associated fee of $136 U.S., which includes a subscription to Pediatric Critical Care Medicine.*
Come see what’s new!
Visit booth #725

www.gehealthcare.com/pocultrasound

GE Healthcare
imagination at work
healthyimagination

THE
INTENSIVIST
GROUP
A COGENT HEALTHCARE AFFILIATE

The Leader in Critical Care Solutions Since 2001

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The Intensivist Group provides critical care services to a diverse network of state of the art hospitals. Use your talents to practice critical care medicine at its best, within a proven structure of staff, processes and sound leadership.

We recognize our physicians are our most valuable asset, demonstrated through our proven 95% retention rate. Together we’ll make sure you have the time to truly focus on your patient’s health and the time to invest more in the relationships that keep you healthy. Improve health care for hospitals, patients and YOU.

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• Malpractice with Tail Coverage
• 401k with Company Contribution
• Relocation Assistance
• Excellent Health Benefits
• Flexible Scheduling

Visit us at booth 804 to learn more about the Intensivist program near you.
<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Speaker Name</th>
<th>Institution and Location</th>
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<tbody>
<tr>
<td>Ake Grenvik Honorary Lecture</td>
<td>Rosemary GIBSON, MSc</td>
<td>Senior Advisor, The Hastings Center, Arlington, Virginia, USA</td>
</tr>
<tr>
<td>William Shoemaker Honorary Lecture</td>
<td>C. William HANSON III, MD, FCCM</td>
<td>Professor of Anesthesiology and Critical Care, Chief Medical Information Officer, Philadelphia, Pennsylvania, USA</td>
</tr>
<tr>
<td>Peter Safar Memorial Lecture</td>
<td>Patrick M. KOCHANEK, MD, MCCM</td>
<td>Professor and Vice Chair, Department of Critical Care Medicine, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA</td>
</tr>
<tr>
<td>What's New and What's Cool?</td>
<td>Geoffrey LING, MD, PhD, FAAN</td>
<td>Deputy Director, Defense Advanced Research Projects Agency, Walter Reed National Military Medical Center, Washington, DC, USA</td>
</tr>
<tr>
<td>From Heroism to Safe Design in the ICU</td>
<td>Peter J. PRONOvOST, MD, PhD, FCCM</td>
<td>Professor, Departments of Anesthesiology/Critical Care Medicine, The Johns Hopkins University School of Medicine, Baltimore, Maryland, USA</td>
</tr>
<tr>
<td>Lifetime Achievement</td>
<td>Basil A. PRUITT Jr., MD, FACS, MCCM</td>
<td>Clinical Professor of Surgery, University of Texas Health Science Center, San Antonio, Texas, USA</td>
</tr>
<tr>
<td>Max Harry Weil Memorial Lecture</td>
<td>Jean-Louis M. VINCENT, MD, PhD, FCCM</td>
<td>Professor of Intensive Care Medicine, Université Libre de Bruxelles, Erasme University Hospital, Brussels, Belgium</td>
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Attend thought-provoking presentations that promote innovative developments in critical care. Plenary sessions are held at unopposed times with presentations given by distinguished, world-renowned leaders in the critical care field. Speakers include:
Fellowship Program Directors’ Luncheon
Critical care fellowship program directors are invited to participate in the Fellowship Program Directors’ Luncheon, to be held Saturday, January 11, 2014, from 12:15 p.m. to 1:30 p.m. in Room 120 at Moscone Center South. This year's luncheon will provide information on how to develop a critical care trainee's portfolio with a focus on assessing core competencies, procedural competency and professionalism. It will also include an update on ACGME requirements and the Milestone Project. Expert panelists from three critical care specialties – internal medicine, anesthesiology and surgery – will lead the discussion. A fellow representative will provide perspective on training expectations and needs.

Educational Symposia
Learn about clinical breakthroughs and advances that lead to better patient care during these thought-provoking presentations. Each session is presented by leading experts in critical care and offers a thorough analysis of the developments and controversies affecting most ICU environments. These industry sessions are complimentary for all Congress registrants and no additional registration is needed to attend.

Abstract Presentations and Poster Hall Events

Oral Presentations
Oral presentations are scheduled, unopposed, on Friday, January 10, 2014, from 3:45 p.m. to 5:45 p.m. These presentations will highlight the top 62 abstracts submitted.

Poster Discussions and Awards Presentations
Interact and discuss original scientific research findings with abstract authors in the Poster Hall, which will be open Friday, January 10, through Sunday, January 12, 2014. Winners of SCCM's abstract-based awards will be recognized during a ceremony on Sunday, January 12, 2014, from 1:30 p.m. to 2:00 p.m. in Room 270 at Moscone Center South.

ePosters
In addition to the standard Poster Hall, attendees will have the opportunity to view all posters in an electronic format via computers, screens and other mobile views. These posters will be searchable and will include enhanced information to provide the most recent critical care research available.

Professor Walk Rounds
Select poster presentations will be assigned by category to noted faculty and experts who will facilitate the exchange of ideas and commentary between younger scientists and established clinicians. Presentations will be scheduled during the lunch break each day, Friday, January 10, through Sunday, January 12, 2014.

Keynote Speakers Session

Imagining the Future of ICU Care in the Era of Big Data

Mark SMOLINSKI, MD, MPH
Director, Global Health Threats
Skoll Global Threats Fund
San Francisco, California, USA

Jini KIM
CEO
NunaHealth
San Francisco, California, USA

Daniel TALMOR, MD, MPH
Director, Department of Anesthesia and Critical Care
Beth Israel Deaconess Medical Center
Boston, Massachusetts, USA

Join former Senior Google innovators and expert faculty in exploring the use of big data sets in the critical care environment. This session will be held on Monday, January 13, 2013, from 9:30 a.m. to 11:30 a.m. in room 135 at Moscone Center South and is complimentary to all Congress registrants with no additional registration required.
Critical Connections Cafe

The Critical Connections Cafe presents a whole world of critical care resources in a single, one-stop venue. Please visit the cafe to see what SCCM has to offer.

Membership
Become a member of the world's largest multiprofessional critical care organization. Members enjoy reduced registration rates on SCCM’s annual Congress, educational programs and products, and can benefit from networking opportunities with critical care colleagues from around the world. Nonmembers can stop by the Critical Connections Cafe to take advantage of the special introductory membership offer for attendees of the 43rd Critical Care Congress: $117 for Healthcare Professionals, $275 for Physicians and $158 for International Physicians. For your convenience, a membership application is located on page 21. If you are already a member, find out how you can become more involved, renew your membership on site or update your membership profile/contact information.

Sections and Chapters
Join one of SCCM's 15 specialty sections and 12 chapters. Sections serve as a voice for members with common interests and help advance professional specialties through unique projects, advocacy and educational programming. Chapters provide a vehicle for members to exchange information, network with local critical care practitioners and discuss the impact of national issues in their communities. If you are interested in joining an SCCM section or chapter, please complete an application at the Critical Connections Cafe.

American College of Critical Care Medicine (ACCM)
In 1988, SCCM established the American College of Critical Care Medicine (ACCM) to recognize individuals who have excelled in the advancement of critical care. The prestigious designation of Fellow of the American College of Critical Care Medicine (FCCM) is awarded to practitioners, researchers, administrators and educators who are members of the ACCM and demonstrate personal and professional commitment to the profession.

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Fundamental Critical Care Support (FCCS), Pediatric Fundamental Critical Care Support (PFCCS) and Fundamental Disaster Management (FDM)
The courses in the Fundamentals family ensure that your patient care staff has the confidence and skills to treat the critically ill and injured patient. The FCCS course addresses timely care of adults and better prepares the non-intensivist for the first 24 hours of critical care management, while the PFCCS course focuses on the recognition and management of infants and children presenting with acute needs. The FDM course covers the critical care response to natural or man-made mass casualty events. Due to increased demand for FCCS, PFCCS and FDM worldwide, there is a growing need for new course instructors and sponsors. Visit the Critical Connections Cafe to learn more about the courses, locations, instructor criteria, and course sponsorship and pricing.

Prize Drawing
Take advantage of five chances to win an Apple iPad® during Congress. Be sure to have your badge scanned at the Critical Connections Cafe to be entered in the daily drawing.

SCCM Bookstore
A complete selection of SCCM publications, educational materials and merchandise is available for purchase at the bookstore located in the Critical Connections Cafe or the satellite bookstore located outside the Esplanade Ballroom. Members of the Society receive a discount of up to 25% on all purchases. If you are not a member, join SCCM at Congress and receive the member discount.
Advanced Knowledge Assessment in Adult Critical Care
Assess your critical care knowledge and prepare for the subspecialty board examination in critical care with the Advanced Knowledge Assessment in Adult Critical Care. This self-study tool is designed for physicians working on board preparation and maintenance of certification (MOC). Comprising 150 questions and rationales with accompanying study references, the Advanced Knowledge Assessment in Adult Critical Care provides a comprehensive review of a full range of critical care topics. Participants will gain an online board examination experience, consisting of:
- 150 multiple choice questions, similar to those covered on the actual exam, as well as evidence-based rationales
- Key words and references from missed questions for further study
- 50 points towards MOC part II in internal medicine and 9 CME/CE credit hours applicable toward MOC in anesthesiology or surgery
$150 Member / $195 Nonmember

Advanced Knowledge Assessment in Pediatric Critical Care
Assess your critical care knowledge and prepare for the subspecialty board examination in critical care with the Advanced Knowledge Assessment in Pediatric Critical Care. This self-study tool is designed for physicians working on board preparation and maintenance of certification (MOC). Comprising 100 questions and rationales with accompanying study materials, the Advanced Knowledge Assessment in Pediatric Critical Care provides a review of cardiovascular and pulmonary critical care topics. Participants will gain an online board examination experience, consisting of:
- 100 multiple choice questions, similar to those covered on the actual exam, as well as evidence-based rationales
- Key words and references from missed questions for further study
- 20 points towards MOC part II in pediatrics and 6 CME/CE credit hours
$150 Member / $195 Nonmember

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:
- Why Is the Kidney Important for Postoperative Patients?
- Optimizing Sedation and Analgesia in the ICU: Role of Neuromonitoring
- Postoperative Care of the Cardiac Surgical Patient
- Medical Ethics in the ICU
$75 Member / $95 Nonmember

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:
- Applications of Dexmedetomidine in the Pediatric ICU and Beyond
- Procedural Sedation out of the Pediatric ICU
- Noninvasive Ventilation: Balancing Risks and Benefits
- Delirium and Neurodegeneration in the Pediatric ICU
$75 Member / $95 Nonmember

Sepsis-Related Respiratory Failure
Sepsis-related respiratory failure is a major healthcare problem affecting millions of people around the world each year, often resulting in adverse outcomes. Compiled as an overview of the Society of Critical Care Medicine's Clinical Focus Conference, Sepsis-Related Respiratory Failure presents the latest research and information about this condition and effective strategies for managing it. Topics in the monograph include sepsis and pulmonary disease, risk factors for lung injury, highlights of the 2012 Surviving Sepsis Campaign guidelines, and strategies for maximizing oxygen delivery. An On Demand companion course is also available.
$49 Member / $57 Nonmember

Now in its third edition, Critical Care Ethics: A Practice Guide, explores thought-provoking ethical questions that critical care professionals must face in real-life situations. Topics include: euthanasia, artificial nutrition, the ethics of drug shortages, palliative care, religious views of end-of-life care, unique considerations regarding pediatric and neonatal care, and much more.
$49 Member / $64 Nonmember
FREE WiFi
AT THE SOCIETY OF CRITICAL CARE MEDICINE’S 43RD CRITICAL CARE CONGRESS!

Complimentary Internet access is available throughout the convention center.

How to Access the Network:
Connect using SSID: SCCM
SCCM's Green Initiatives

As SCCM continues to grow and support the critical care community, it also continues to support a healthy planet by employing environmentally friendly operating processes. Please join SCCM in its charge to help preserve and protect the environment. Many of the practices SCCM follows can be applied to your own work or personal life.

Reduced use of paper
Records that many companies keep in paper format are scanned and stored in an electronic central database accessible to all SCCM staff members. Files are routed electronically whenever possible, further eliminating paper waste.

Use of recycled materials
When the use of paper is necessary, SCCM uses only recyclable products. SCCM's copy paper is made of 30% recycled materials. Additionally, SCCM uses only recycled paper and paper from managed sources for all marketing materials and publications.

Waste minimization
SCCM provides reusable dishes and flatware for employee use in an effort to reduce waste from disposable products.

Comprehensive recycling program
SCCM provides several recycling stations for paper, plastic, glass, and aluminum products. Additionally, recycling stations are available for retired or inoperable cellular phones, batteries, digital storage devices, personal digital assistants, computer equipment, and battery chargers.

Energy efficiency
SCCM uses energy-efficient dishwashers, heating and cooling systems, and lighting systems to reduce its consumption of power and natural resources.

An environmentally friendly Congress
The Moscone Center South and Global Experience Specialists (GES) Exposition Services both provided SCCM with environmentally friendly products and services that helped reduce the environmental footprint of the 43rd Critical Care Congress.

The Moscone Center South gives a great deal of attention to maintaining a clean environment and promoting green practices. It has long set the standard for U.S. convention centers in diverting materials from the waste stream, with nearly two million pounds diverted annually. Additionally, one of the nation's largest municipally owned solar generation installations operates from the roof of the center.

GES assembled the Congress Exhibit Hall using the following items that are produced from recycled content and/or are 100% recyclable: carpeting, carpet padding, carpet covering, trash can liners, wastebaskets, table covers, and substrates used for sign graphics.

Clean the World
Together with four San Francisco hotels, SCCM is proud to participate in the Clean the World Meeting Planner Program during the 43rd Critical Care Congress. All gently used bathroom amenities that are normally thrown away will be recycled after the meeting and made into soaps and bottled amenities for distribution to children worldwide. Clean the World estimates that more than 1,000 pounds of used soap and 1,500 pounds of used bottle amenities will be gathered from Congress. Our support will provide more than 800 children in need with recycled soap and 400 children in need with bottled amenities, helping to keep them clean for one month.

The following hotels are participating in this program:
▲ San Francisco Marriott Marquis
▲ InterContinental San Francisco Hotel
▲ The Palace Hotel
▲ The W San Francisco Hotel

Thank you for participating in this important program.

MAKE A DIFFERENCE! KEEP IT GREEN AT CONGRESS
▲ Bring a reusable water bottle, preferably aluminum rather than plastic, instead of purchasing bottled water.
▲ Recycle your badge holder and registration bag in the appropriate recycling bin located near the registration desk.
▲ Donate gently used or unwanted items, such as participant bags, supplies and exhibitor items, to local charities.
Thank you to the SCCM professional staff for their development of the 43rd Critical Care Congress. The Society’s staff is dedicated to providing high-quality customer service and support to all members and the entire critical care community. You may contact staff at +1 847 827-6869 or visit www.sccm.org/staff.

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Liberate your patients from the harmful effects of pain, agitation and delirium in the ICU and improve their long-term outcomes.

Visit ICU Liberation.org for the resources vital in assessing, treating and preventing these conditions and for tools helpful in implementing the early mobility strategies that can help reduce the risk of long-term consequences from an ICU stay.

**Download the Pain, Agitation and Delirium Guidelines**

**Access the assessment tools recommended for guideline implementation:**

- **Pain**
  - Numeric Rating Scale (NRS)
  - Behavioral Pain Scale (BPS)
  - Critical-Care Pain Observation Tool (CPOT)

- **Agitation**
  - Richmond Agitation-Sedation Scale (RASS)
  - Sedation Agitation Scale (SAS)

- **Delirium**
  - Confusion Assessment Method for the ICU (CAM-ICU)
  - Intensive Care Delirium Screening Checklist (ICDSC)

Visit ICU Liberation.org for more information.
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 on the Lobby Level of Moscone Center South. An electric scooter is also available for use within Moscone Center South at no charge and may be reserved from the SCCM Convention Office, located in Room 220.

ATM
One permanent automated teller machine (ATM) is located on the Lower Level of Moscone Center South.

Badges
Congress badges are required for entrance to all Congress functions and events, including scientific 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 on the Lower Level of Moscone Center South. 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 name badges.

Business Center
The Business Center is located on the Lower Level, outside the Exhibit Hall, and will be open during all Congress activities. Services include photocopying, faxing, e-mail receipt and shipping services. Major credit cards are accepted for services and purchases.

CME/CE Stations
Congress participants can complete evaluations and continuing education forms at the CME/CE Stations located at SCCM Registration on the Lobby Level of Moscone Center South. Please provide any comments, suggestions or other valuable feedback useful for evaluation of the 43rd Critical Care Congress. Note: Certificates cannot be printed on site, but completed certificates will be stored at MySCCM.org for future printing.

Participants can also complete their forms by logging into www.MySCCM.org from their own personal computer and selecting “2014 Congress” under the MY LEARNING and SCCM Continuing Education tabs. See page 45 for additional information on obtaining credit.

Coat and Luggage Check
Coat and luggage check services are available on the Lobby Level of Moscone Center South during the following hours:

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>WEDNESDAY, JANUARY 8, 2014</td>
<td>7:00 A.M. – 5:30 P.M.</td>
</tr>
<tr>
<td>THURSDAY, JANUARY 9, 2014</td>
<td>7:00 A.M. – 5:30 P.M.</td>
</tr>
<tr>
<td>FRIDAY, JANUARY 10, 2014</td>
<td>7:00 A.M. – 6:00 P.M.</td>
</tr>
<tr>
<td>SATURDAY, JANUARY 11, 2014</td>
<td>6:00 A.M. – 5:45 P.M.</td>
</tr>
<tr>
<td>SUNDAY, JANUARY 12, 2014</td>
<td>7:30 A.M. – 5:30 P.M.</td>
</tr>
<tr>
<td>MONDAY, JANUARY 13, 2014</td>
<td>7:30 A.M. – 11:30 A.M.</td>
</tr>
</tbody>
</table>

Fees: $2.00 per coat/small handbag; $3.00 per luggage item.

Congress App
Access the Congress schedule and so much more from the palm of your hand. With apps built specifically for the iPad®, iPhone® and Android™, the Congress app will allow you to search for sessions, speakers, business meetings, exhibitors and abstracts. Play Click! within the Congress app for a chance to win a $500 Apple gift card. See page 4 for details.

Emergency Procedures
The safety and security of attendees is the first priority of SCCM and Moscone Center South. In the event of an emergency, contact an SCCM staff member or dial 511 from any white house phone in Moscone Center South. This will connect you with in-house security, who will alert paramedics. A paramedic is also available in the First Aid Office, across from Room 106, on the Lower Level of Moscone Center South.

Exhibit Hall Hours
The Exhibit Hall, located on the Lower Level, will be open during the following hours:

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRIDAY, JANUARY 10, 2014</td>
<td>9:00 A.M. – 3:45 P.M.</td>
</tr>
<tr>
<td>SATURDAY, JANUARY 11, 2014</td>
<td>9:00 A.M. – 3:15 P.M.</td>
</tr>
<tr>
<td>SUNDAY, JANUARY 12, 2014</td>
<td>9:00 A.M. – 2:00 P.M.</td>
</tr>
</tbody>
</table>

Information Desk
The San Francisco Travel City Information Desk provides information on restaurants, shopping areas, entertainment, and attractions within the area. The desk is located across from Registration on the Lobby Level of Moscone Center South.

Lost and Found
Lost and found is located in the SCCM Convention Office, located in Room 220 on the Mezzanine Level of Moscone Center South.

No Smoking Policy
Moscone Center South is a smoke-free environment. Please refrain from smoking within 20 feet of the main entrance doors.
**Poster Activities**

All posters are displayed in the Exhibit Hall.

**FRIDAY, JANUARY 10, 2014**
- 7:00 A.M. – 9:00 A.M. POSTER SETUP
- 9:00 A.M. – 3:45 P.M. HALL OPEN
- 9:30 A.M. – 10:30 A.M. BREAK
- 12:45 P.M. – 1:45 P.M. PROFESSOR WALK ROUNDS
- 2:45 P.M. – 3:45 P.M. BREAK

**SATURDAY, JANUARY 11, 2014**
- 9:00 A.M. – 3:15 P.M. HALL OPEN
- 9:00 A.M. – 10:00 A.M. BREAK
- 12:15 P.M. – 1:15 P.M. PROFESSOR WALK ROUNDS
- 2:15 P.M. – 3:15 P.M. BREAK

**SUNDAY, JANUARY 12, 2014**
- 9:00 A.M. – 2:00 P.M. HALL OPEN
- 9:00 A.M. – 10:00 A.M. BREAK
- 12:15 P.M. – 1:15 P.M. PROFESSOR WALK ROUNDS
- 1:15 P.M. – 2:00 P.M. POSTER RETRIEVAL
- 1:30 P.M. – 2:00 P.M. ABSTRACT-BASED AWARDS CEREMONY (ROOM 270)

**Refreshment Breaks**

Complimentary refreshments will be available during the morning and afternoon breaks in the Exhibit Hall on Friday, January 10; Saturday, January 11; and the morning of Sunday, January 12. These breaks are excellent opportunities for attendees to visit with exhibitors and network while enjoying refreshments.

Complimentary refreshments will also be available outside the Esplanade Ballroom the afternoon of Sunday, January 12 and the morning of Monday, January 13.

**Registration**

Registration is located on the Lobby Level of Moscone Center South and will be open during the following hours:

- **TUESDAY, JANUARY 7, 2014** 4:00 P.M. – 7:00 P.M.
- **WEDNESDAY, JANUARY 8, 2014** 7:00 A.M. – 5:30 P.M.
- **THURSDAY, JANUARY 9, 2014** 7:00 A.M. – 5:30 P.M.
- **FRIDAY, JANUARY 10, 2014** 7:00 A.M. – 6:00 P.M.
- **SATURDAY, JANUARY 11, 2014** 6:00 A.M. – 5:45 P.M.
- **SUNDAY, JANUARY 12, 2014** 7:30 A.M. – 5:30 P.M.
- **MONDAY, JANUARY 13, 2014** 7:30 A.M. – 11:30 A.M.

**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.

**Society Offices/Exhibits**

All offices and exhibits are located in Moscone Center South.

- **BUSINESS CENTER** LOBBY LEVEL
- **COAT AND LUGGAGE CHECK** LOBBY LEVEL
- **CONTINUING EDUCATION STATIONS** LOBBY LEVEL
- **CONVENTION OFFICE** MEZZANINE LEVEL, ROOM 220
- **CRITICAL CONNECTIONS CAFE** LOWER LEVEL, EXHIBIT HALL
- **FIRST AID** LOWER LEVEL, ACROSS FROM ROOM 106
- **MEETING BAG PICKUP** LOBBY LEVEL, REGISTRATION
- **POSTER EXHIBITS** LOWER LEVEL, EXHIBIT HALL
- **REGISTRATION** LOBBY LEVEL
- **SATELLITE BOOKSTORE** OUTSIDE ESPLANADE BALLROOM
- **SPEAKER READY ROOM** ROOM 300
- **TECHNICAL EXHIBITS** LOWER LEVEL, EXHIBIT HALL

*Complete your evaluations and continuing education applications at the computers located in this area.*

**Speaker Ready Room**

At least one hour prior to their sessions, faculty must submit their presentations in Room 300 of Moscone Center South, which is open during the same hours as registration.

**Use of Recording Equipment**

No personal photography, audio or video recording is allowed at any Congress session or in the Exhibit Hall at any time.

**Wireless Internet Access**

Complimentary Internet access is available within Moscone Center South for the convenience of SCCM Congress attendees.

**Parking**

Moscone Center South does not have a public parking facility. However, several public parking garages are located in close proximity to the facility, each of which provides spaces reserved for use by authorized, handicapped individuals. SCCM is unable to validate parking.

**Fifth and Mission Parking Garage**

833 Mission Street (between Fourth and Fifth Streets, adjacent to Moscone Center West)

**Hearst Parking Center**

45 Third Street (entrance on Stevenson Street, two blocks from Moscone Center South)

**Moscone Center Garage**

255 Third Street (between Folsom and Howard Streets, across the street from Moscone Center South)

**Museum Parc Garage**

300 Third Street (entrance on Third and on Folsom Streets)
Board Prep and Review Your Way

Experience the complete line of adult board preparation and review solutions that can be customized to meet your goals, schedule and learning style. Benefit from high-quality educational programming and flexible, effective self-study options.

ATTEND the Adult Multiprofessional Critical Care Board Review Live Event

**August 12-16, 2014 • Fairmont Chicago, Millennium Park • Chicago, Illinois, USA**

The Society of Critical Care Medicine’s (SCCM) 2014 Adult Multiprofessional Critical Care Board Review Course (MCCBRC) is the preferred resource for critical care professionals seeking a comprehensive review of content focused on the diagnosis, monitoring and management of critically ill patients. Spend four-and-a-half days in intensive review sessions that offer MOC Part II credits and are designed to prepare fellows and attendings for the certification and recertification examinations in critical care.

Can’t make it to the live course?

**LEARN** all you need to know through the recorded lectures from the live course with Adult Multiprofessional Critical Care Board Review Course (MCCBRC) On Demand.

**REVIEW** the full gamut of critical care topics in Comprehensive Critical Care: Adult, the most complete critical care textbook for any learner in adult practice.

**ASSESS** your knowledge with Self-Assessment in Adult Multiprofessional Critical Care, a collection of over 300 questions, answers and rationales from the top 20 critical care focus areas. Available both online and in print.

**PRACTICE** sitting for the exam with the Advanced Knowledge Assessment in Adult Critical Care, composed of 150 questions and rationales with accompanying study materials.

**ENHANCE** your learning experience by purchasing the Comprehensive Adult Board Prep Bundle, which includes unlimited access to the entire Adult MCCBRC program via On Demand, the Comprehensive Critical Care: Adult textbook, and both versions of the self-assessment (print and interactive).

For more information, visit www.sccm.org/adultboardreview.
An Innovative Non-Aerosol Unit Dose Topical Anesthetic Spray

- Meets Joint Commission Standard for the most ready-to-administer form available.*
- Utilizes bar code medication administration (BCMA) to accommodate point-of-care scanning.
- Virtually eliminates adverse events resulting from preventable medication errors, ensuring the “5 Rights” are met: ✓ Right Drug ✓ Right Patient ✓ Right Dose ✓ Right Route ✓ Right Time
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- Increases billing accuracy and improves supply chain costs.

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<td>086629</td>
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If HurriCaine ONE is not yet available through your wholesaler, request it by name and NDC Number.

*Joint Commission Standard: MM.05.01.11, EP4

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Moscone Center South Floor Plans

Lower Level

- Posters
- ePosters
- Exhibits

- Critical Connections Cafe
- Industry Education Workshops
- Concessions
- First Aid
- Business Center
Yerba Buena Ballroom
Lower B2 Level
Golden Gate Hall
B2 Level

Pacific Floor
4th Floor
Board Prep and Review Your Way

Experience the complete line of pediatric board preparation and review solutions that can be customized to meet your goals, schedule and learning style. Benefit from high-quality educational programming and flexible, effective self-study options.

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August 12-16, 2014 • Fairmont Chicago, Millennium Park • Chicago, Illinois, USA
The Society of Critical Care Medicine’s (SCCM) 2014 Pediatric Multiprofessional Critical Care Board Review Course is the preferred resource for critical care professionals seeking a comprehensive review of content focused on the diagnosis, monitoring and management of critically ill pediatric patients. Spend four-and-a-half days in intensive review sessions designed to prepare fellows and attendings for the certification and recertification examinations in critical care.

Can’t make it to the live course?
LEARN all you need to know through the recorded lectures from the live course with Pediatric Multiprofessional Critical Care Board Review Course (MCCBRC) On Demand.

REVIEW the full gamut of critical care topics in Comprehensive Critical Care: Pediatric, the most complete critical care textbook for any learner in pediatric practice.

ASSESS your knowledge with Self-Assessment in Pediatric Multiprofessional Critical Care, a collection of over 240 questions, answers and rationales from the top 11 pediatric focus areas. Available both online and in print.

PRACTICE sitting for the exam with the Advanced Knowledge Assessment in Pediatric Critical Care Question Sets 1 and 2, each composed of 100 questions and rationales with accompanying study materials.

ENHANCE your learning experience by purchasing the Comprehensive Pediatric Board Prep Bundle, which includes unlimited access to the entire Pediatric MCCBRC program via On Demand, the Comprehensive Critical Care: Pediatric textbook, and both versions of the self-assessment (print and interactive).

For more information, visit www.sccm.org/pediatricboardreview
Designing, Implementing, and Enhancing a Rapid Response System

Written by leaders in the field, Designing, Implementing, and Enhancing a Rapid Response System, contains the tools needed to plan, develop, enhance, and customize a rapid response system (RRS) in your hospital. This book includes a turnkey education and implementation program designed for a variety of clinical settings and will assist in defining your RRS depending on your hospital's personnel, patient population and other factors.

Also included is a CD that contains customizable policies, procedures, protocols, algorithms, order sets, lanyard and pocket cards, posters, educational programs and examinations, promotional materials, and data collection forms. RRS will empower your staff and improve patient outcomes.

Topics include:

◆ key elements of an RRS
◆ overcoming barriers
◆ policy and procedures
◆ education and case studies
◆ data collection and quality assurance

$99 members/$129 nonmembers
Product code: RRT1
Publication year: 2009
217 pages

SCCM members can purchase this publication at a discounted rate.
To become a member visit www.sccm.org/membership.

To order copies of Designing, Implementing, and Enhancing a Rapid Response System, please contact SCCM Customer Service at +1 847 827-6888 or order online at www.sccm.org.
Listed after each session, in parentheses, is a letter, A through E, that corresponds to a specific SCCM Core Competency.

- A = Patient- and Family-Centered Care
- B = Practice Applications
- C = Communications
- D = Multiprofessionalism
- E = Quality Improvement

**ADMINISTRATION**
- Critical Care Practitioners: Who Is on the Horizon? (B)
- Getting Paid for Your Performance with Proper Coding (B)
- ICU Informatics and Advanced Decision Analysis (B,E)
- Novel Applications in Telemedicine (B,D,E)
- Specialization of ICUs: Is It Right or Wrong? (B,E)
- We Are the Champions: The Future of ICU Design (B)

**CARDIOVASCULAR AND RESUSCITATION**
- Adult Congenital Heart Disease (B)
- Bionics in the ICU (B)
- Hydrogen Sulfide: A Potential Therapy in Disparate Cardiovascular Disorders? (B)
- New Developments in the Management of Cardiac Comorbidities (B)
- Rapid Response Update (B,D,E)
- Resuscitating in Austere Environments (B)
- What’s Hot in Cardiac Arrest Research? (B)
- Translation Research in Cardiopulmonary Resuscitation Research: Lessons Learned (Laerdal Award) (B)
- Translational Resuscitation Science: An Evolving Story of Pets and Men (B)

**ENDOCRINE AND RENAL**
- Acute Kidney Injury: Armor Up! (B)
- Dialysis in the ICU (B)
- It’s Just Saline … How Can It Be Harmful? (B)

**ETHICS AND END OF LIFE**
- Changing Definition of Death (B,C)
- Choosing Wisely: The Critical Care Societies Top 5 List (Critical Care Societies Collaborative Joint Session) (A,B,C,D,E)
- Improving Critical Care Delivery to the Underserved (A,B)
- Improving Efficiency in the Use of ICU Beds: Current Controversies (C,D,E)
- Palliative Care in the ICU (A,B,C,D)
- When the Patient Lacks Capacity (A,B)

**GI – NUTRITION**
- Can We Feed? Ensuring Optimal Early Enteral Nutrition (B)
- Extrahepatic Issues in Decompensated Cirrhosis (B)
- Feed Your Brain: It’s Not Just About Calories! (B)
- Malnutrition: New International Etiology-Based Diagnosis (B)
- Stop Stressing Over Stress Ulcers (B)

**HEMATOLOGY AND IMMUNOLOGY**
- The Emerging Biology of Inflammation-Induced Critical Illness (B)
- Hemostatic Resuscitation and Acute Coagulopathy in the ICU (B)
- Sepsis Immunosuppression (B)
- Stem Cell Therapies in Critical Illness (B)
- Update on Coagulation Sampling and Testing (B)

**INFECTIOUS DISEASES**
- Bench to Bedside: The Endothelium in Infection (B)
- Optimizing Antimicrobial Therapy in the ICU (B)
- Update on Encephalitis (B)

**NEUROSCIENCE**
- Delirium and Encephalopathy in the ICU (B)
- Implications of Bedside Advanced Neuromonitoring (B)
- Management of Cerebral Edema (B)
- Understanding Sleep in Critically Ill Patients (A,B)
PEDIATRICS
- Children Are Not Small Adults and Adults Are Not Big Kids: Congenital Heart Disease (A,B)
- Dazed and Confused in the Pediatric ICU (A,B,C,D)
- Pediatric Acute Lung Injury (B)
- The Psychological Impact of Admission to the Pediatric ICU (A,C,D)
- Transfusing the Critically Ill Child (B)
- Update in the Management of Pediatric Acute Kidney Injury (B)
- Utilization of Ultrasound in Pediatric ICU (B)
- What If? An Examination of Certain Policies Within the Pediatric ICU (A,C,D,E)

PHARMACOLOGY AND SEDATION
- Drug Shortages: Lessons Learned (B)
- Extracorporeal Treatments in Poisoning (EXTRIP) (B)
- Therapeutic Drug Monitoring: A Modern-Day Approach (B,C,E)

PLENARY
- From Heroism to Safe Design in the ICU (B,E)
- Four Centuries of Biomedical Research in the US Army Medical Corps: Benefits and Challenges (B)
- Tackling Critical Brain Injury: “A Little Out of Focus” (B)
- Don’t Just Do Something, Stand There (B,E)
- What’s New and What’s Cool? (A,B,E)
- Artificial “Intensigence”: The Merger of Man and Machines in the ICU (B)
- Critical Care Around the World: Global Challenges (B)

PROFESSIONAL DEVELOPMENT
- Authors’ Primer for Critical Care Journals (B)
- Best Science: Encore Presentations (B)
- Frontline Provider Models for Staffing ICUs (B,D)
- Merlin the Magician: Looking Back in Order to Look Forward (A,B,C,D,E)
- Social Media and the Intensivist (C)
- Filling in Critical Care Educational Gaps with Simulation (B,C)
- Infection Control: How Are We Doing? (ACCM Town Hall) (B)

PULMONARY
- Adult Acute Respiratory Distress Syndrome: The Cutting Edge (B)
- Bridge to the Future: Extracorporeal Support in Adult Respiratory Failure (B)
- Noninvasive Ventilation (B)
- Obstructive Lung Disease in the ICU (B)
- Pulmonary Hypertension (B)
- Strategies for Severely Impaired Gas Exchange (B)

QUALITY AND PATIENT SAFETY
- Design Thinking: Creating the Ideal ICU (A,E)
- Don’t Be Alarmed: Preventing the Distraction (C,D,E)
- Guidelines, Protocols and Checklists (C,D,E)
- Human Factors, Human Errors (C,D,E)
- Imagining the Future of ICU Care in the Era of Big Data (A,E)
- Implementing the Pain, Agitation and Delirium Guidelines in the ICU (A,B,C,D,E)
- Improving the Safety and Quality of Patient Care by Systems Engineering (A,B,C,E)
- Is Personalized Critical Care Medicine Feasible? (A,B)
- Making Decisions: Evidence Versus Experience (B)
- Post-Intensive Care Syndrome (A,E)

SEPSIS
- Emerging Modulators of Sepsis-Induced Organ Failure and Death (B)
- Implementing the Surviving Sepsis Bundles in the Medical-Surgical Unit (B,C,D,E)
- Novel Approaches in Sepsis (B)
- Retrospective Analysis of Experiences Learned from Landmark Sepsis Trials (Joint SCCM/ESICM Session) (B)

SURGERY AND TRAUMA
- The Stuff That Smells Bad (B)
- When Your ICU Becomes Your Operating Room (B,D)

YEAR IN REVIEW
- Year in Review: Anesthesia (B)
- Year in Review: Internal Medicine (B)
- Year in Review: Neuroscience (B)
- Year in Review: Nursing (B)
- Year in Review: Pediatrics (B)
- Year in Review: Pharmacology (B)
- Year in Review: Surgery (B)
At the conclusion of the 43rd Critical Care Congress, participants should be able to:

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

Type of Activity
This activity includes elements that increase knowledge, application and practice.

Competencies
SCCM supports recommendations that will promote lifelong learning through continuing education. SCCM promotes activities that encourage the highest quality in education that will enhance knowledge, competence or performance in critical care practice. This activity will meet the following:

- Professionalism
- Patient Care and Procedural Skills
- Medical Knowledge
- Practice-based Learning and Improvement
- Interpersonal and Communication Skills
- Systems-based Practice

Target Audience
This continuing education offering is intended to meet the needs of all practitioners who care for critically ill patients:

- Advanced Practice Nurses
- Anesthesiologists
- Clinical Pharmacists
- Critical Care Educators
- Emergency Department Physicians
- Family Practice Physicians
- ICU Medical Directors
- ICU Nurse Managers
- In-Training
- Internists
- Neurosurgeons
- Neurologists
- Nurses, Adult and Pediatric
- Physicians
- Physician Assistants
- Respiratory Care Practitioners
- Research Scientists
- Trauma Surgeons
- Other Critical Care Practitioners

Policy on Appropriate Use of Commercial Support

The Society of Critical Care Medicine (SCCM) fully supports and adopts the ACCME Standards for Commercial Support of Continuing Medical Education, Accreditation Council for Pharmacy Education’s Standards for Continuing Pharmacy Education and the standards set by the American Nurses Credentialing Center (ANCC) as its basis for relating to commercial support companies with regard to continuing education.

The Society implements these standards and has integrated additional policies that continue to maintain the highest integrity in providing quality continuing education programs. SCCM’s comprehensive policies provide for the administration, content and quality of all educational activities, which include: activity goals and objectives development, promotional material, text content, faculty approval and guidance, activity evaluation and issuance of certificates.

A commercial interest is an entity producing, marketing, reselling or distributing healthcare goods or services consumed by or used on patients.

1. All continuing education (CME/CE) activities sponsored by SCCM shall provide for an in-depth presentation that is independent, balanced, objective and scientifically rigorous.
2. SCCM is solely responsible for the quality, content and utilization of instructional materials or post-activity documents that are prepared with the support of outside organizations.
3. CME/CE activities supported by a commercial interest must use an SCCM-approved Letter of Agreement for all continuing education activities. The Program Development Department must be directly involved in the program development process between SCCM and the commercial support company.
4. Acknowledgment will be made of any outside organization (commercial/for-profit) providing financial support for any educational activity.
5. SCCM makes all decisions regarding the disposition and disbursement of the commercial support funds and in-kind support received for CME/CE activities. All commercial support associated with a CME/CE activity must be given with the full knowledge and approval of SCCM. No additional funds or in-kind support will be provided to the planning committee members, faculty, or authors beyond those defined in the budget.
6. SCCM will not accept advice or services concerning faculty, authors, participants or other education matters, including activity content and format, from a commercial interest as conditions of contributing funds or services.
7. The Letter of Agreement shall define the terms, purposes and conditions of the grant and shall be signed by the commercial interest, SCCM, and any other provider or educational partner involved in the planning and implementation of the CME/CE activity. The originating source of the funds shall be considered the commercial interest for purposes of signing the agreement and acknowledgment. All parties to the Commercial Support Letter of Agreement must agree to comply with SCCM’s policies.
8. All educational grant amounts will be based on an itemized and estimated budget prepared in advance and shared with the commercial supporter, and the total dollar amount will be reflected in the Letter of Agreement. All commercial support expenditures must be documented and, upon request, provided to the commercial supporter. If it is anticipated that total expenses will be exceeded, SCCM will send a budget addendum and request for additional funds to the commercial supporter. Any additional funds will be documented in an addendum to the Letter of Agreement.
Obtaining Credit
To obtain credit, please complete the evaluation by accessing the website www.MySCCM.org. Once logged in with your SCCM customer ID (found on your badge) and password (your last name unless you have changed it), select the MY LEARNING tab on the orange bar, and choose the link labeled “43rd Critical Care Congress.”

Maintenance of Certification Part II
SCCM is offering Maintenance of Certification (MOC) Part II in addition to continuing medical education for board certified physicians of the boards: ABIM, ABA, ABS, and ABP. For the attendees claiming the MOC credits, the program consists of a pre-test, targeted MOC lectures, and a post-test. The pre-test will close at 7:00 a.m. on Monday, January 13, so please log in prior to this time. To access the pre-test, log in to www.MySCCM.org with your Customer ID (found on your badge) and password. Next, choose the MY LEARNING tab on the orange bar, scroll down and click on the link labeled “43rd Critical Care Congress.” The MOC pre-test button will be active until the course ends. You will be asked to supply your Board ID number and date of birth so that we may report your passing score to your board. After the course, you will access this link to complete the MOC post-test.

• American Board of Surgery: This course meets the requirements for Maintenance of Certification (MOC) Part II. To claim MOC Part II, you must pass the post-test, select the option for Surgery MOC II, and print the score report to submit to the board.

• American Board of Anesthesia: This course meets the requirements for Maintenance of Certification (MOC) Part II. To claim MOC Part II, you must pass the post-test, select the option for Anesthesia MOC II, and enter your ABA number with your date of birth. Your score report will be reported directly to the board.

• American Board of Internal Medicine (Application Pending): This course meets the requirements for Maintenance of Certification (MOC) Part II. To claim MOC Part II, you must pass the post-test, select the option for Internal Medicine MOC II, and enter your ABIM number. Your score report will be reported directly to the board.

• American Board of Pediatrics (Application Pending): This course meets the requirements for Maintenance of Certification (MOC) Part II. To claim MOC Part II, you must pass the post-test, select the option for Pediatric MOC II, and enter your ABP number with your date of birth. Your score report will be reported directly to the board.

Computer stations are available on the Lobby Level at Registration. If you have questions, please email congress@sccm.org or call +1 847 827-6888.

Physicians
SCCM is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Designation Statement
SCCM designates this live educational activity for the maximum AMA PRA Category 1 Credits™, as listed below. Physicians should only claim credit commensurate with the extent of their participation in the activity.

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Overall Congress (Concurrent Sessions)</td>
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<tr>
<td>Current Concepts in Adult Critical Care</td>
<td>15</td>
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<tr>
<td>Current Concepts in Pediatric Critical Care</td>
<td>15</td>
</tr>
<tr>
<td>Postgraduate Courses</td>
<td>up to 7.5</td>
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</table>

Nurses
This program has been approved by the California Board of Registered Nursing, Provider No. 8181, for a maximum number of hours, as listed below:

<table>
<thead>
<tr>
<th>Category</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Overall Congress (Concurrent Sessions)</td>
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<tr>
<td>Current Concepts in Adult Critical Care</td>
<td>15</td>
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<tr>
<td>Current Concepts in Pediatric Critical Care</td>
<td>15</td>
</tr>
<tr>
<td>Postgraduate Courses</td>
<td>up to 7.5</td>
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</tbody>
</table>

Respiratory Therapists
Application has been submitted to the American Association for Respiratory Care for CRCE credit.

Registered Dietitians and Dietetic Technicians
SCCM has submitted this program for approval from the Commission on Dietetic Registration (CDR).
Pharmacists

SCCM is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmaceutical education. This course provides contact hours of continuing education. SCCM reports to a continuing pharmacy education (CPE) tracking service using your NABP member number and date of birth. You are responsible for providing accurate information to SCCM. The CPE Monitor will authenticate and store data for completed CPE units received by pharmacists and pharmacy technicians. The tracking system will make CPE data for each participant available to the state boards of pharmacy with which the participant is licensed or registered. After CPE units are processed by ACPE and NABP, pharmacists and pharmacy technicians will be able to log into a comprehensive electronic profile to access information about their completed CPE.

<table>
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<td>0236-000-14-100-L04-P</td>
<td>Current Concepts in Adult Critical Care</td>
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<td>0236-000-14-101-L04-P</td>
<td>Case-Based Pearls in Neurocritical Care</td>
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<td>Current Concepts in Pediatric Critical Care</td>
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<td>0236-000-14-103-L04-P</td>
<td>Fundamentals of Extracorporeal Membrane Oxygenation</td>
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<td>0236-000-14-104-L04-P</td>
<td>ICU Management Paradigms for the 21st Century</td>
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<td>Changing Definition of Death</td>
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<td>Drug Shortages: Lessons Learned</td>
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<td>0236-000-14-107-L01-P</td>
<td>Emerging Modulators of Sepsis-Induced Organ Failure and Death</td>
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<td>0236-000-14-108-L01-P</td>
<td>Obstructive Lung Disease in the ICU</td>
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<td>Transfusing the Critically Ill Child</td>
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<td>Understanding Sleep in Critically Ill Patients</td>
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<td>Delirium and Encephalopathy in the ICU</td>
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<td>Plenary: Four Centuries of Biomedical Research in the US Army Medical Corps: Benefits and Challenges</td>
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<td>Choosing Wisely: The Critical Care Societies Collaborative Top 5 List</td>
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<td>Guidelines, Protocols and Checklists</td>
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<td>Management of Cerebral Edema</td>
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<td>Strategies for Severely Impaired Gas Exchange</td>
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<td>Year in Review; Pediatrics</td>
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<td>Adult Congenital Heart Disease</td>
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<td>Authors’ Primer for Critical Care Journals</td>
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<td>Can We Feed? Ensuring Optimal Early Enteral Nutrition</td>
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<td>Dialysis In the ICU</td>
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<td>Pediatric Acute Lung Injury</td>
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<td>Sepsis immunosuppression</td>
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<td>0236-000-14-134-L04-P</td>
<td>The Emerging Biology of Inflammation-Induced Critical Illness</td>
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<td>When the Patient Lacks Capacity</td>
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<td>Year in Review; Surgery</td>
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<td>Critical Care Practitioners: Who Is on the Horizon?</td>
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<td>Improving Critical Care Delivery to the Underserved</td>
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<td>Malnutrition: New International Etiology-Based Diagnosis</td>
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<td>Retrospective Analysis of Experiences Learned From Landmark Sepsis Trials; Joint SCCM/ESICM Session</td>
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<td>What If... An Examination of Certain Policies Within the Pediatric ICU</td>
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<td>What’s Hot in Cardiac Arrest Research?</td>
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<td>Bench to Bedside: The Endothelium in Infection</td>
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<td>Bridge to the Future: Extracorporeal Support in Adult Respiratory Failure</td>
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<td>Children Are Not Small Adults and Adults Are Not Big Kids: Congenital Heart Disease</td>
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<td>Don’t Be Alarmed: Preventing the Distraction</td>
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<td>Is Personalized Critical Care Medicine Feasible?</td>
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<td>New Developments in the Management of Cardiac Comorbidities</td>
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<td>Year in Review: Nursing</td>
<td>1</td>
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<tr>
<td>0236-000-14-177-L04-P</td>
<td>Year in Review: Pharmacology</td>
<td>1</td>
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<td>0236-000-14-178-L04-P</td>
<td>Plenary: Critical Care Around the World: Global Challenges</td>
<td>1</td>
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<tr>
<td>0236-000-14-179-L04-P</td>
<td>Hemostatic Resuscitation and Acute Coagulopathy in the ICU</td>
<td>1</td>
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<tr>
<td>0236-000-14-180-L04-P</td>
<td>ICU Informatics and Advanced Decision Analysis</td>
<td>1</td>
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<tr>
<td>0236-000-14-181-L05-P</td>
<td>Implementing the Pain, Agitation, Delirium, Immobility Guidelines in the ICU</td>
<td>2</td>
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<tr>
<td>0236-000-14-182-L05-P</td>
<td>Implementing the Surviving Sepsis Bundles in the Medical-Surgical Unit</td>
<td>2</td>
</tr>
<tr>
<td>0236-000-14-183-L04-P</td>
<td>It’s Just Saline... How Can It Be Harmful?</td>
<td>1</td>
</tr>
<tr>
<td>0236-000-14-184-L01-P</td>
<td>Stop Stressing Over Stress Ulcers</td>
<td>1</td>
</tr>
<tr>
<td>0236-000-14-185-L01-P</td>
<td>Acute Kidney Injury: Armor Up!</td>
<td>1</td>
</tr>
<tr>
<td>0236-000-14-186-L04-P</td>
<td>Feed Your Brain: It’s Not Just About Calories!</td>
<td>1</td>
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<tr>
<td>0236-000-14-187-L01-P</td>
<td>Hydrogen Sulfide: A Potential Therapy in Disparate Cardiovascular Disorders?</td>
<td>1</td>
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<tr>
<td>0236-000-14-188-L04-P</td>
<td>Novel Applications in Telemedicine</td>
<td>1</td>
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<tr>
<td>0236-000-14-189-L04-P</td>
<td>The Psychological Impact of Admission to Pediatric ICU</td>
<td>1</td>
</tr>
<tr>
<td>0236-000-14-190-L05-P</td>
<td>Hyponatremia in the Critical Care Patient: First Do No Harm</td>
<td>1.5</td>
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<tr>
<td>0236-000-14-191-L05-P</td>
<td>Strategies to Optimize Physical and Psychological Functioning in the ICU Patient</td>
<td>1.5</td>
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<tr>
<td>0236-000-14-192-L05-P</td>
<td>Targeted Therapies for Invasive Fungal Infections: Are You Missing the Mark?</td>
<td>1.5</td>
</tr>
<tr>
<td>0236-000-14-193-L05-P</td>
<td>The Continuing Adaptation of MRSA: The Impact on Critical Care</td>
<td>1.5</td>
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<tr>
<td>0236-0000-14-190-L05-P</td>
<td>Plenary: From Heroism to Safe Design in the ICU</td>
<td>1</td>
</tr>
<tr>
<td>0236-0000-14-195-L04-P</td>
<td>ACCM Town Hall - Infection Control: How Are We Doing?</td>
<td>1.5</td>
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<tr>
<td>0236-0000-14-196-L04-P</td>
<td>Imagining the Future of ICU Care in the Era of Big Data</td>
<td>2</td>
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WEDNESDAY, JANUARY 08, 2014

7:00 A.M.-8:00 A.M.
Continental Breakfast

8:00 A.M.-5:00 P.M.  ROOM 104

PRE-Congress Educational Session

Current Concepts in Adult Critical Care: Day 1
Moderators: Azra BIHORAC, Steven GREENBERG

Learning Objectives
1. Evaluate patient cases and treatment modalities
2. Discuss diagnostic and treatment options and controversies in the management of critical illness
3. Examine administrative topics and quality improvement initiatives in the ICU

8:00 A.M.-8:45 A.M.
> Practice Variability: What Does It Mean When We All Do Things Differently in the ICU?
  Avery TUNG

8:45 A.M.-9:30 A.M.
> Why Is the Kidney Important for Postoperative Patients?
  Azra BIHORAC

9:30 A.M.-10:15 A.M.
> Postoperative Respiratory Failure and Role of Noninvasive Mechanical Ventilation
  Edward BITTNER

Continued ➔

Current Concepts in Adult Critical Care, Continued

10:15 A.M.-10:30 A.M.
> Break

10:30 A.M.-11:15 A.M.
> Resuscitation End Points: Which One Is Optimal?
  Michael PINsky

11:15 A.M.-12:00 P.M.
> Transfusion for the Critically Ill Patient: When, What and Who?
  Ronald PEARL

12:00 P.M.-1:00 P.M.
> Lunch, ROOM 120

1:00 P.M.-1:45 P.M.
> Delirium in the ICU
  Pratik PANDHARIPANDE

1:45 P.M.-2:30 P.M.
> Optimizing Sedation and Analgesia in the ICU: Role of Neuromonitoring
  Gilles FRASER

2:30 P.M.-3:15 P.M.
> Innovation, Competency and Standardization in Critical Care Medicine
  Timothy BUCHMAN

3:15 P.M.-3:30 P.M.
> Break

3:30 P.M.-4:15 P.M.
> Update on Nutrition in the Critically Ill
  Marion WINKLER

4:15 P.M.-5:00 P.M.
> Case Presentations I
  Edward BITTNER, Jennifer LaROSA
### Schedule of Events

#### Wednesday, January 8

**8:00 A.M.-5:00 P.M.  ROOM 130**

- **PRE-Congress Educational Session**

**Current Concepts in Pediatric Critical Care: Day 1**

**Moderators:** Mark RIGBY, Ana Lia GRACIANO

**Learning Objectives**

1. Discuss disease processes and effective goal-directed approaches to critical care management
2. Examine controversial topics and the risk/benefit ratios in pediatric critically ill patients
3. Apply translational medical science to improve the outcomes of pediatric critically ill patients
4. Evaluate patient cases and treatment modalities

8:00 A.M.-8:45 A.M.

- *Venovenous: Extracorporeal Membrane Oxygenation Is the Way to Go*
  
  **David TURNER**

8:45 A.M.-9:30 A.M.

- *New Horizons in Extracorporeal Membrane Oxygenation Coagulation*
  
  **Leslie RAFFINI**

9:30 A.M.-10:15 A.M.

- *Prudent Antibiotic Use in the ICU*
  
  **John CHRISTENSON**

10:15 A.M.-10:30 A.M.

- **Break**

10:30 A.M.-11:15 A.M.

- *Applications of Dexmedetomidine in the Pediatric ICU and Beyond*
  
  **Joseph TOBIAS**

11:15 A.M.-12:00 P.M.

- *Procedural Sedation out of the Pediatric ICU*
  
  **Patricia SCHERRER**

12:00 P.M.-1:00 P.M.

- **Lunch, ROOM 120**

1:00 P.M.-1:45 P.M.

- *Case Studies I*
  
  Mark RIGBY, Joseph TOBIAS

1:45 P.M.-2:30 P.M.

- *New Monitoring Devices in Critical Care: Functional or Fad?*
  
  **Todd KILBAUGH**

2:30 P.M.-3:15 P.M.

- *How to Identify and Overcome Ethical Dilemmas in the Pediatric ICU*
  
  **K. Sarah HOEHN**

3:15 P.M.-3:30 P.M.

- **Break**

3:30 P.M.-4:15 P.M.

- *Noninvasive Ventilation: Balancing Risks and Benefits*
  
  **Ira CHEIFETZ**

4:15 P.M.-5:00 P.M.

- *Standardizing Care in the Pediatric ICU - It's Time*
  
  **Mark RIGBY**

**8:00 A.M.-3:15 P.M.  ROOM 270**

- **Postgraduate Course**

**Veterinary Multidisciplinary Review: Day 1**

**Moderator:** Benjamin BRAINARD

**Learning Objectives**

1. Compare the tools available for pulmonary assessment in small animals
2. Discuss the theories and practice for mechanical ventilation of the small animal patient
3. Assess breed-specific pulmonary disease

8:00 A.M.-8:45 A.M.

- *Introductory Comments*
  
  **Benjamin BRAINARD**

8:45 A.M.-9:30 A.M.

- *Pulmonary Function Testing*
  
  **Lesley KING**

9:30 A.M.-10:15 A.M.

- *Advanced Imaging for Thoracic Disease*
  
  **Elizabeth ROZANSKI**

10:15 A.M.-10:30 A.M.

- **Break**

10:30 A.M.-11:15 A.M.

- *Positive Pressure Ventilation: 25 Years of Progress in Veterinary Medicine*
  
  **Lesley KING**

11:15 A.M.-12:00 P.M.

- *ARDS and Intra-Alveolar Coagulation*
  
  **Elizabeth ROZANSKI**

12:00 P.M.-1:00 P.M.

- **Lunch, ROOM 120**

1:00 P.M.-1:45 P.M.

- *Case Discussions*
  
  **Lesley KING**

1:45 P.M.-2:30 P.M.

- *Case Discussions*
  
  **Elizabeth ROZANSKI**

2:30 P.M.-3:15 P.M.

- *Case Discussions*
  
  **Lesley KING**
Thursday, January 09, 2014

7:00 A.M.-8:00 A.M.
Continental Breakfast

8:00 A.M.-5:00 P.M. ROOM 102
• POSTGRADUATE COURSE
Case-Based Pearls in Neurocritical Care
Moderators: Cherylee CHANG, Jose Javier PROVENCIO

LEARNING OBJECTIVES
1. Utilize a case-based approach to formulate diagnoses, treatment options and prognosis
2. Review guideline updates and current knowledge base for status epilepticus, ischemic and hemorrhagic stroke, subarachnoid hemorrhage, traumatic brain and acute spinal cord injury, hypoxic-ischemic injury, neuromuscular disease and abusive head trauma

8:00 A.M.-8:45 A.M.
> The Girl Who Went Crazy and Shook
  Neeraj NAVAL
8:45 A.M.-9:30 A.M.
> The Confused Guy Sitting in the Corner
  Michel TORBEY
9:30 A.M.-10:15 A.M.
> I Was Hiking and Got a Headache
  J. Claude HEMPHILL
10:15 A.M.-10:30 A.M.
> Break
10:30 A.M.-11:15 A.M.
> My World Went Blurry and I Couldn’t Walk
  Nerissa KO
11:15 A.M.-12:00 P.M.
> The Worst Headache of My Life
  Katherine BIAGAS
12:00 P.M.-1:00 P.M.
> Lunch, ROOM 120
1:00 P.M.-1:45 P.M.
> The Code That Just Got Admitted
  Carmelo GRAFFAGNINO
1:45 P.M.-2:30 P.M.
> I Was Minding My Own Business and He Hit Me with a Brick
  Cherylee CHANG
2:30 P.M.-3:15 P.M.
> Call a Neurology Consult: The Sepsis Patient Isn’t Waking Up
  Edward MANNO
3:15 P.M.-4:15 P.M.
> The Woman Who Fell Down the Stairs
  Lori SHUTTER

8:00 A.M.-5:00 P.M. ROOM 104
• PRE-Congress Educational Session
Current Concepts in Adult Critical Care: Day 2
Moderators: Azra BIHORAC, Steven GREENBERG

LEARNING OBJECTIVES
1. Evaluate patient cases and treatment modalities
2. Discuss diagnostic and treatment options and controversies in the management of critical illness
3. Examine administrative topics and quality improvement initiatives in the ICU

8:00 A.M.-8:45 A.M.
> How Is the Affordable Care Act Going to Change the Practice of Critical Care Medicine?
  Charles HOBSON
8:45 A.M.-9:30 A.M.
> Postoperative Care of the Cardiac Surgical Patient
  Steven GREENBERG
9:30 A.M.-10:15 A.M.
> Management of Patient with Acute-on-Chronic Liver Failure in the ICU
  Ram SUBRAMANIAN
10:15 A.M.-10:30 A.M.
> Break
10:30 A.M.-11:15 A.M.
> Management of the Airway in the ICU
  Stephen HEARD
11:15 A.M.-12:00 P.M.
> ACLS Update and Hypothermia After Cardiac Arrest
  Michael O’CONNOR
12:00 P.M.-1:00 P.M.
> Lunch, ROOM 120
1:00 P.M.-1:45 P.M.
> Critical Care Endocrinology
  Aaron JOFFE
1:45 P.M.-2:30 P.M.
> Nosocomial Infections in the ICU: What’s New?
  Mark KEEGAN
2:30 P.M.-3:15 P.M.
> Management of Organ Donors in the ICU: Assessment of Brain Death and More
  Ahmed BADR
3:15 P.M.-3:30 P.M.
> Break
3:30 P.M.-4:15 P.M.
> Medical Ethics in the ICU
  David KAUFMAN
4:15 P.M.-5:00 P.M.
> Case Presentations II
  Mark KEEGAN, Ahmed BADR
**PRE-Congress Educational Session**  
**Room 130**

### Current Concepts in Pediatric Critical Care: Day 2

**Moderators: Mark Rigby, Ana Lia Graciano**

**Learning Objectives**

1. Discuss disease processes and effective goal-directed approaches to critical care management
2. Examine controversial topics and the risk/benefit ratios in pediatric critically ill patients
3. Apply translational medical science to improve the outcomes of pediatric critically ill patients
4. Evaluate patient cases and treatment modalities

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00 A.M.</td>
<td>Introduction to Course, Format and Agenda</td>
<td>Lillian Su</td>
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<tr>
<td>8:45 A.M.</td>
<td>Life with a Single Ventricle: A Long and Winding Road</td>
<td>Ana Lia Graciano</td>
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<tr>
<td>8:45 A.M.</td>
<td>Anticoagulation and Clots in the Pediatric ICU</td>
<td>Edward Vincent Faustino</td>
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<tr>
<td>9:30 A.M.</td>
<td>Progress and Participation in National Pediatric ICU Study Groups</td>
<td>Thomas Rice</td>
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<td>10:15 A.M.</td>
<td>Break</td>
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<tr>
<td>10:30 A.M.</td>
<td>Late Career Practice Options</td>
<td>Thomas Nakagawa</td>
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<tr>
<td>11:15 A.M.</td>
<td>Independent Practitioners in the Pediatric ICU</td>
<td>Zena Harris</td>
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<tr>
<td>12:00 P.M.</td>
<td>Lunch, Room 120</td>
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<tr>
<td>1:00 P.M.</td>
<td>Case Studies II</td>
<td>Ana Lia Graciano, Mark Hall</td>
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<tr>
<td>1:45 P.M.</td>
<td>Role of Nutrition and Pharmaconutrition in Pediatric Critical Care</td>
<td>Brian Jacobs</td>
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<tr>
<td>2:30 P.M.</td>
<td>Delirium and Neurodegeneration in the Pediatric ICU</td>
<td>Heidi Smith</td>
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<td>3:15 P.M.</td>
<td>Break</td>
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<tr>
<td>3:30 P.M.</td>
<td>Are Neurointensivists Needed in the Pediatric ICU?</td>
<td>Robert Tasker</td>
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<tr>
<td>4:15 P.M.</td>
<td>Immune Responsiveness: Benefit or Harm in Pediatric Sepsis?</td>
<td>Mark Hall</td>
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### POSTgraduate Course

**Room 134**

### Fundamentals of Extracorporeal Membrane Oxygenation

**Moderators: Lillian Su, Paul Checchia**

**Learning Objectives**

1. List the indications, risks and benefits of extracorporeal membrane oxygenation (ECMO)
2. Review the physiologic concepts behind ECMO to troubleshoot the most common emergencies
3. Identify the differences between the different kinds of ECMO: venoarterial versus venovenous, roller versus centrifugal
4. Discuss the day-to-day issues that arise with ECMO (blood products, pharmacotherapy, vent management)

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<td>Introduction to Course, Format and Agenda</td>
<td>Lillian Su</td>
</tr>
<tr>
<td>8:15 A.M.</td>
<td>ECMO, Past, Present and Future: Adult and Pediatric Perspectives - An Overview of Evidence and Indications</td>
<td>Heidi Dalton, Steven Conrad</td>
</tr>
<tr>
<td>8:45 A.M.</td>
<td>Picking the Appropriate Patients and What History Tells Us</td>
<td>Daniel Brodie</td>
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<tr>
<td>9:15 A.M.</td>
<td>Overview of Devices, Cannula and Spare Parts: Roller Versus Centrifugal</td>
<td>Steven Conrad</td>
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<tr>
<td>9:45 A.M.</td>
<td>Venovenous versus Venoarterial: What’s All the Hype About the Avalon?</td>
<td>Marco Ranieri</td>
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</tbody>
</table>

Continued →
Thursday, January 9

**Fundamentals of Extracorporeal..., Continued**

10:15 A.M.-10:45 A.M.
> Break

10:45 A.M.-11:15 A.M.
> Managing the Ventilator on ECMO
  Marco RANIERI

11:15 A.M.-12:00 P.M.
> Cannulation: How to Do It and How Not to Do It - A Pictorial Guide
  David McMULLAN

12:00 P.M.-1:00 P.M.
> Lunch, ROOM 120

1:00 P.M.-1:45 P.M.
> Basics of the Everyday Issues: Nutrition, Pharmacology, Sedation
  Lara SHEKERDEMIAN

1:45 P.M.-2:15 P.M.
> Mobilization on ECMO
  Daniel BRODIE

2:15 P.M.-2:45 P.M.
> Anticoagulation and Transfusion: What Do All Those Different Tests Really Mean?
  Laurance LEQUIER

2:45 P.M.-3:00 P.M.
> Break

3:00 P.M.-3:30 P.M.
> Questions and Answers
  Lillian SU

3:30 P.M.-4:00 P.M.
> Weaning from ECMO: How Do You Know When?
  Heidi DALTON

4:00 P.M.-5:00 P.M.
> Hands-On Stations
  Lillian SU, Heidi DALTON, Daniel BRODIE, Steven CONRAD, Laurance LEQUIER, David McMULLAN, Gary OLDENBURG

**ICU Management Paradigms for the 21st Century**

**Moderators:** Marc ZUBROW, Craig LILLY, Isabelle KOPEC

**LEARNING OBJECTIVES**
1. Discuss types of ICU care delivery models
2. Interpret financial reporting
3. Review ICU protocols

8:00 A.M.-8:45 A.M.
> How to Talk to Your CFO: The Language of Financial Reporting
  John McILWAINE

8:45 A.M.-9:30 A.M.
> Intensivist Shortage and Staffing: Are We Obligated to Have Intensivist Coverage?
  Jeremy KAHN

9:30 A.M.-10:15 A.M.
> Tele-ICU
  Marc ZUBROW

10:15 A.M.-10:30 A.M.
> Break

10:30 A.M.-11:15 A.M.
> Tele-ICU Case Presentation
  Pablo Moreno FRANCO, Isabelle KOPEC

11:15 A.M.-12:00 P.M.
> Do We Need 24-Hour Intensivists?
  Carl SHANHOLTZ, Jeremy KAHN

12:00 P.M.-1:00 P.M.
> Lunch, ROOM 120

1:00 P.M.-1:45 P.M.
> Breakout Session 1: How to Leverage Data to Select Quality and Safety Initiatives
  Craig LILLY, Pablo Moreno FRANCO, Isabelle KOPEC, John McILWAINE, Marc ZUBROW

1:45 P.M.-2:30 P.M.
> Advanced Practice Providers and Pharmacists as Part of the ICU Team
  Timothy BUCHMAN

2:30 P.M.-3:15 P.M.
> Do Weaning Protocols Work?
  Robert KACMAREK

3:15 P.M.-3:30 P.M.
> Break

3:30 P.M.-4:15 P.M.
> Do Sedation/Analgesia Protocols Work?
  Richard RIKER

4:15 P.M.-5:00 P.M.
> Breakout Session 2: Building High-Fidelity ICU Teams on the Fly
  Craig LILLY, Pablo Moreno FRANCO, Isabelle KOPEC, John McILWAINE, Marc ZUBROW
POSTGRADUATE COURSE

Less-Invasive Hemodynamic Monitoring

Moderators: Michael WALL, Gregory KERR, Kristine LOMBARDOZZI

LEARNING OBJECTIVES

1. Explain how less-invasive cardiac output monitors work
2. List the pros/cons, limitations and contraindications of each monitor
3. Discuss the use of these monitors in resuscitation of the critically ill
4. Demonstrate hands-on experience with each monitor

8:00 A.M.-8:15 A.M.
> Introduction
  Michael WALL

8:15 A.M.-8:45 A.M.
> Pulse Waveform Analysis
  Wolf Benjamin KRATZERT

8:45 A.M.-9:15 A.M.
> Transpulmonary Thermodilution
  Adam EVANS

9:15 A.M.-9:45 A.M.
> Esophageal Ultrasound
  Brian WESSMAN

9:45 A.M.-10:00 A.M.
> Break

10:00 A.M.-10:30 A.M.
> Skill Station: Pulse Waveform Analysis
  Gregory KERR, James OSORIO, Breandan SULLIVAN

10:30 A.M.-11:00 A.M.
> Skill Station: Pulse Waveform Analysis
  William MILES, Alan HEFFNER, Kristine LOMBARDOZZI

Continued ➔

Less-Invasive Hemodynamic Monitoring, Continued

11:00 A.M.-11:30 A.M.
> Skill Station: Transpulmonary Thermodilution
  Russell ROBERSON, Adam EVANS, Sean KILEY

11:30 A.M.-12:00 P.M.
> Skill Station: Esophageal Ultrasound
  Michael WALL, Brian WESSMAN, Michael NUROK

12:00 P.M.-1:00 P.M.
> Lunch, ROOM 120

1:00 P.M.-1:30 P.M.
> Endotracheal Cardiac Output Monitoring
  Gregory KERR

1:30 P.M.-2:00 P.M.
> CO₂ Rebreathing
  Russell ROBERSON

2:00 P.M.-2:30 P.M.
> Near-Infrared Spectroscopy
  James OSORIO

2:30 P.M.-2:45 P.M.
> Break

2:45 P.M.-3:15 P.M.
> Skill Station: Noninvasive Cardiac Output Monitoring
  Gregory KERR, Kristine LOMBARDOZZI, Adam EVANS

3:15 P.M.-3:45 P.M.
> Skill Station: Endotracheal Cardiac Output Monitoring
  Breandan SULLIVAN, William MILES, Sean KILEY

3:45 P.M.-4:15 P.M.
> Skill Station: CO₂ Rebreathing
  Russell ROBERSON, Michael NUROK, Wolf Benjamin KRATZERT

4:15 P.M.-4:45 P.M.
> Skill Station: Near-Infrared Spectroscopy
  Michael WALL, James OSORIO, Adam EVANS

4:45 P.M.-5:00 P.M.
> Questions and Answers
8:00 A.M.-5:00 P.M.  ROOM 132

**POSTGRADUATE COURSE**

**Optimizing Mechanical Ventilation: Sharing Data Between Adult and Pediatric Patients**

Moderators: Ira CHEIFETZ, Robert HYZY

**LEARNING OBJECTIVES**
1. Compare and contrast mechanical ventilation strategies for adult and pediatric patients for the mutual education of both disciplines
2. Discuss strategies to promote lung protective ventilation for critically ill patients
3. Describe novel approaches for the management of adult and pediatric patients with refractory hypoxemic respiratory failure

8:00 A.M.-8:15 A.M.
> Introduction
  Ira CHEIFETZ, Robert HYZY

8:15 A.M.-9:30 A.M.
> Conventional Mechanical Ventilation: Compare and Contrast Adult and Pediatric Management Approaches
  John MARINI, Ira CHEIFETZ

9:30 A.M.-10:15 A.M.
> Optimizing Lung Volume: Optimal PEEP and Lung Recruitment Maneuvers
  Robert KACMAREK

10:15 A.M.-10:30 A.M.
> Break

10:30 A.M.-12:00 P.M.
> Noninvasive Ventilation: Compare and Contrast Adult and Pediatric Technology and Management Strategy
  Nicholas HILL, James FORTENBERRY

12:00 P.M.-1:00 P.M.
> Lunch, ROOM 120

1:00 P.M.-2:30 P.M.
> Strategies to Promote Spontaneous Breathing, Optimize Synchrony, and Minimize Sedation Requirements
  John KRESS, Heidi DALTON

2:30 P.M.-3:15 P.M.
> Permissive Ventilation (Permissive Hypercapnia; Permissive Hypoxemia; Rationale; Physiology/Pathophysiology)
  Neil MacINTYRE

3:15 P.M.-3:30 P.M.
> Break

3:30 P.M.-5:00 P.M.
> Adjunct Approaches to Mechanical Ventilation: Compare and Contrast Adult and Pediatric (Surfactant, Prone Positioning, Inhaled Medical Gases, Nutritional Supplements)
  Robert HYZY, John ARNOLD

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8:00 A.M.-4:00 P.M.  ROOM 270

**POSTGRADUATE COURSE**

**Veterinary Multidisciplinary Review: Day 2**

Moderator: Benjamin BRAINARD

**LEARNING OBJECTIVES**
1. Compare the tools available for pulmonary assessment in small animals
2. Discuss the theories and practice for mechanical ventilation of the small animal patient
3. Assess breed-specific pulmonary disease

8:00 A.M.-8:45 A.M.
> Advanced Hemodynamics: From Physiology to Pathology
  Andre SHIH

8:45 A.M.-9:30 A.M.
> Advanced Hemodynamics and Transthoracic Pressure
  Andre SHIH

9:30 A.M.-10:15 A.M.
> Transthoracic Pressure Manipulation: Make the Chest Work for You!
  Andre SHIH

10:15 A.M.-10:30 A.M.
> Break

10:30 A.M.-11:15 A.M.
> Advanced Macrohemodynamic Monitoring
  Edward COOPER

11:15 A.M.-12:00 P.M.
> Assessing Fluid Responsiveness: What Can We Do?
  Edward COOPER

12:00 P.M.-1:00 P.M.
> Lunch, ROOM 120

1:00 P.M.-1:45 P.M.
> Structure, Regulation and Assessment of the Microcirculation
  Edward COOPER

1:45 P.M.-2:30 P.M.
> Current Research: IVECCS Abstract Review
  Claire SHARP

2:30 P.M.-4:00 P.M.
> ACVECC Mock Board Examination
  Benjamin BRAINARD
FRIDAY, JANUARY 10, 2014

8:00 A.M.-9:30 A.M.  ESPLANADE BALLROOM

• OPENING SESSION
• PLENARY SESSION

2014 Presidential Address

J. Christopher FARMER, MD, FCCM
Professor of Medicine and Consultant in Critical Care Medicine
Mayo Clinic
Phoenix, Arizona, USA

From Heroism to Safe Design in the ICU

Peter J. PRONOVOST, MD, PhD, FCCM
Professor, Departments of Anesthesiology/Critical Care Medicine and Surgery
The Johns Hopkins University School of Medicine
Baltimore, Maryland, USA

Moderator: Thomas RAINEY

LEARNING OBJECTIVES
1. Assess why current approaches to ICU care have largely failed to improve quality, safety, and efficiency of care
2. Discuss how systems approaches have been applied to improve quality and safety in other high-reliability industries
3. Define how systems approaches and systems engineering are being used to improve ICU quality, safety, and costs

9:00 A.M.-3:45 P.M.  EXHIBIT HALL

Exhibit Hall Open

9:30 A.M.-10:30 A.M.  EXHIBIT HALL

Break

10:30 A.M.-11:30 A.M.  ROOM 130

Getting Paid for Your Performance with Proper Coding

Moderator: George SAMPLE

LEARNING OBJECTIVES
1. Differentiate complex care from critical care and code appropriately
2. Determine how to bill for surgical and ICU procedures
3. Discuss how to manage your practice

> How Payors Define the Critically Ill Patient
  George SAMPLE

> Coding for Surgery and ICU Procedures
  R. Lawrence REED

> Noncritical Care for ICU Patients
  Todd DORMAN

10:30 A.M.-11:30 A.M.  ROOM 132

Drug Shortages: Lessons Learned

Moderator: Russel ROBERTS

LEARNING OBJECTIVES
1. Review the observed clinical outcomes of drug shortages
2. Discuss how professional organizations can intervene in shortages
3. Examine institutional plans for dealing with shortages

> Patient Outcomes from Drug Shortages
  John LEWIN

> Strategies to Deal with Shortages at the Local Level
  Stephanie MALLOW CORBETT

10:30 A.M.-11:30 A.M.  ROOM 102

Obstructive Lung Disease in the ICU

Moderator: Scott MICEK

LEARNING OBJECTIVES
1. Explain the breadth of chronic obstructive pulmonary disease
2. Recognize approaches to the severe asthmatic patient
3. Prescribe effective treatment to patients in the ICU with obstructive lung disease
4. Utilize permissive hypercapnia as a therapeutic tool for patients with obstructive lung disease in the ICU
5. Manage obstructive lung disease in patients in the ICU for reasons other than lung disease

> Near-Fatal Asthma
  Pauline PARK

> Pharmacologic Management of Obstructive Lung Disease
  Scott MICEK

> Permissive Hypercapnia in Obstructive Lung Disease: Gone But Not Forgotten
  Robert HYZY
10:30 A.M.-11:30 A.M.  ROOM 103
● MAINTENANCE OF CERTIFICATION

**Understanding Sleep in Critically Ill Patients**

**Moderator:** Brian GEHLBACH

**LEARNING OBJECTIVES**
1. Provide a historical perspective of sleep research in critical illness
2. Review the data on risk factors for poor sleep in the ICU, including noise, light and patient care interactions
3. Present data on the effects of medications and mechanical ventilation on sleep
4. Review the latest research on the links between sleep and outcomes including delirium and post-ICU sleep disturbances
5. Present data on interventions to improve sleep in critically ill patients

> Impact of Medication, Delirium and Mechanical Ventilation on Sleep in the ICU
  JohnDEVLIN
> Circadian Rhythms and Interventions to Improve Sleep in Critically Ill Patients
  Brian GEHLBACH
> Sleep Disturbances After Recovery from Critical Illness
  Paula WATSON

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10:30 A.M.-12:30 P.M.  ROOM 134
● MAINTENANCE OF CERTIFICATION

**Changing Definition of Death**

**Moderator:** Ira CHEIFETZ

**LEARNING OBJECTIVES**
1. Discuss the changing definitions of death in relation to organ donation
2. Review death by neurologic criteria including the management of the patient with catastrophic brain injury
3. Discuss controversies surrounding donation after cardiac death
4. Examine pediatric specific considerations in the organ donation process

> Death by Neurologic Criteria
  David GREER
> Impact of Cardiac Devices on the Definition of Death
  Joseph ROSSANO
> Controversies Surrounding Donation After Cardiac Death
  Thomas NAKAGAWA
> Panel Discussion
  David GREER, Joseph ROSSANO, Thomas NAKAGAWA, Christine TOEVS

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10:30 A.M.-12:30 P.M.  ROOM 135

**Emerging Modulators of Sepsis-Induced Organ Failure and Death**

**Moderator:** Jennifer KAPLAN

**LEARNING OBJECTIVES**
1. Review studies on emerging mediators of sepsis
2. Explain effects of dietary fat on sepsis pathophysiology
3. Discuss studies on peroxisome proliferator-activated receptor α as a potential therapeutic target
4. Examine work on heat shock proteins in sepsis and organ failure
5. Describe role of the programmed death-1 protein in sepsis

> Dietary Fat and Sepsis-Induced Organ Injury
  Jennifer KAPLAN
> Peroxisome Proliferator-Activated Receptor a Novel Potential Therapeutic Agent for Sepsis
  Basilia ZINGARELLI
> MicroRNAs in Sepsis and Other Inflammatory Disorders
  Jessica MORELAND
> Programmed Death-1 Protein in Sepsis
  Richard HOTCHKISS

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10:30 A.M.-12:30 P.M.  ESPLANADE BALLROOM

**Improving the Safety and Quality of Patient Care by Systems Engineering**

**Moderator:** Brian PICKERING

**LEARNING OBJECTIVES**
1. Explain how systems engineering has been used to improve performance in other high-reliability, highly complex industries
2. Review how current ICU systems have evolved in the absence of systems engineering and how this impacts safety and quality
3. Discuss ongoing efforts to use systems engineering to improve the design, function, and care delivery of the ICU

> The Moore Foundation Patient Care Program: Acute Care Initiative Project
  George BO-LINN
> Interoperability: A Cornerstone of Systems Integration
  Julian GOLDMAN
> Project Emerge: A Pilot Systems Engineering Approach to Eliminate Harm in the ICU
  Adam SAPIRSTEIN
> AWARE: ICU in the Cloud
  Brian PICKERING

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<table>
<thead>
<tr>
<th>Time</th>
<th>Room</th>
<th>Session</th>
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<tbody>
<tr>
<td><strong>10:30 A.M.-12:30 P.M.</strong></td>
<td><strong>ROOM 104</strong></td>
<td><strong>MAINTENANCE of CERTIfICATIoN</strong> Post-Intensive Care Syndrome</td>
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<td><strong>Moderator: Maurene HARVEY</strong></td>
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<td><strong>LEARNING OBJECTIVES</strong></td>
<td></td>
<td>1. Describe the issues and symptoms related to post-intensive care syndrome (PICS)</td>
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<td>2. Discuss cost of PICS to families</td>
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<td>3. Listen to a PICS survivor’s story</td>
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<td><strong>PICS: Survivors and Families</strong></td>
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<td>Ramona HOPKINS</td>
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<td><strong>Costs of PICS Care to Families and Society</strong></td>
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<td>Theodore IWASHYNA</td>
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<td><strong>Recovering from the ICU: A Survivor’s Story</strong></td>
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<td>Alison CLAY</td>
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<td><strong>Questions and Answers</strong></td>
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<td>Maurene HARVEY, Theodore IWASHYNA, Alison CLAY</td>
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<td><strong>10:30 A.M.-12:30 P.M.</strong></td>
<td><strong>ROOM 202</strong></td>
<td><strong>Transfusing the Critically Ill Child</strong></td>
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<td><strong>Moderator: Mark HALL</strong></td>
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<td><strong>LEARNING OBJECTIVES</strong></td>
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<td>1. Discuss the efficacy and safety of transfusions in critically ill children</td>
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<td>2. Review the current guidelines for red blood cell transfusions</td>
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<td>3. Examine preliminary data from the Transfusion Requirements in Pediatric Intensive Care Unit Trial</td>
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<td>4. Review newly recognized transfusion-related morbidity</td>
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<td><strong>What Are Acceptable Transfusion Thresholds in the Cyanotic and Noncyanotic Pediatric ICU Patient?</strong></td>
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<td>Jill CHOLETTE</td>
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<td><strong>Unexpected Transfusion Reactions: From Transfusion-Related Acute Lung Injury to Immune Suppression</strong></td>
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<td>Mark HALL</td>
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<td><strong>Red Blood Cell Storage and Clinical Outcomes</strong></td>
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<td>Philip SPINELLA</td>
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<td><strong>11:30 A.M.-12:30 P.M.</strong></td>
<td><strong>ROOM 103</strong></td>
<td><strong>Delirium and Encephalopathy in the ICU</strong></td>
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<td><strong>Moderator: Timothy GIRARD</strong></td>
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<td><strong>LEARNING OBJECTIVE</strong></td>
<td></td>
<td>1. Discuss challenges in managing patients with delirium</td>
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<td><strong>Physiology of Delirium</strong></td>
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<td>Gregory KAPINOS</td>
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<td><strong>Prevention</strong></td>
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<td>Timothy GIRARD</td>
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<td><strong>Workup and Treatment of the Delirious Patient</strong></td>
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<td>Alejandro RABINSTEIN</td>
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<td><strong>11:30 A.M.-12:30 P.M.</strong></td>
<td><strong>ROOM 132</strong></td>
<td><strong>Extracorporeal Treatments in Poisoning Workgroup</strong></td>
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<td><strong>Moderator: James MOWRY</strong></td>
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<td><strong>LEARNING OBJECTIVES</strong></td>
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<td>1. Present the Extracorporeal Treatments in Poisoning (EXTRIP) initiative and its scope</td>
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<td>2. Discuss how the EXTRIP methods apply to a specific toxin</td>
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<td>3. Review EXTRIP recommendations with quick case presentations</td>
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<td><strong>The EXTRIP Initiative: Rationale, Objectives and Methods</strong></td>
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<td></td>
<td>James MOWRY</td>
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<td><strong>Applying the EXTRIP Process to a Specific Toxin:</strong> Carbamazepine</td>
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<td>Marc GHANNOUM</td>
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<td><strong>Short Vignettes of Toxins Potentially Removable by Extracorporeal Methods</strong></td>
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<td>Robert HOFFMAN</td>
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<td><strong>11:30 A.M.-12:30 P.M.</strong></td>
<td><strong>ROOM 130</strong></td>
<td><strong>Improving Efficiency in the Use of ICU Beds: Current Controversies</strong></td>
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<td><strong>Moderator: Scott HALPERN</strong></td>
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<td><strong>LEARNING OBJECTIVES</strong></td>
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<td>1. Identify the patient populations and aspects of critical care where efficiency is suboptimal</td>
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<td>2. Discuss the consequences of optimizing bed use on costs and patient outcomes</td>
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<td><strong>What Is the Right Level of ICU Occupancy That Optimizes Patient Outcomes?</strong></td>
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<td>Scott HALPERN</td>
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<td><strong>Can We Reduce ICU Costs Through High-Quality End-of-Life Care?</strong></td>
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<td>J. Randall CURTIS</td>
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<td><strong>Improving the Efficiency of Discharge Decisions: What Is the Role of Long-Term Acute Care (LTAC) Hospitals?</strong></td>
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<td>Jeremy KAHN</td>
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<td><strong>11:30 A.M.-12:30 P.M.</strong></td>
<td><strong>ROOM 102</strong></td>
<td><strong>Noninvasive Ventilation</strong></td>
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<td><strong>Supported in part by an educational grant from Covidien Puritan Bennett</strong></td>
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<td><strong>Moderator: Robert KACMAREK</strong></td>
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<td><strong>LEARNING OBJECTIVES</strong></td>
<td></td>
<td>1. Review the latest techniques in providing noninvasive ventilation</td>
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<td>2. Discuss the efficacy of noninvasive ventilation in treating primary respiratory failure</td>
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<td>3. Determine if the application of noninvasive ventilation is effective in treating patients with secondary respiratory failure, i.e, post-operative, post trauma, congestive heart failure</td>
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<td><strong>The Nuts and Bolts: How to Provide Noninvasive Ventilation</strong></td>
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<td>Robert KACMAREK</td>
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<td><strong>Noninvasive Ventilation for Primary Respiratory Failure</strong></td>
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<td>Nicholas HILL</td>
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<td><strong>Noninvasive Ventilation for Secondary Respiratory Failure</strong></td>
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<td>Sean KEENAN</td>
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ePosters
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12:45 P.M.-1:45 P.M.  POSTER HALL
Professor Walk Rounds
> Administration and Education 01  100-109
> Administration and Education 02  110-119
> Basic Science - Sepsis 01  170-179
> Burns/Trauma 01  210-219
> Burns/Trauma 02  220-229
> Cardiovascular 01  260-269
> Cardiovascular 02  270-279
> Cardiovascular 03  280-289
> Clinical Medicine - Pulmonary 01  340-349
> Clinical Medicine - Pulmonary 02  350-359
> Clinical Medicine - Pulmonary 03  360-369
> Clinical Medicine - Neurology 01  429-438
> Clinical Medicine - Neurology 02  439-448
> CPR/Resuscitation 01  469-478
> CPR/Resuscitation 02  479-488
> Epidemiology/Outcomes 01  538-547
> Epidemiology/Outcomes 02  548-557
> Epidemiology/Outcomes 03  558-567
> Epidemiology/Outcomes 04  568-577
> Epidemiology/Outcomes 05  578-587
> Epidemiology/Outcomes 06  588-597
> Ethics and End of Life 01  716-725
> GI/Nutrition 01  726-735
> Hematology 01  756-765
> Immuno Infections 01  775-784
> Immuno Infections 02  785-794
> Patient and Family Support 01  825-834
> Pharmacology 01  844-853
> Pharmacology 02  854-863
> Pharmacology 03  864-873
> Pharmacology 04  874-883
> Renal and Endocrine 01  974-983
> Sepsis 01  1014-1023
> Sepsis 02  1024-1033
> Sepsis 03  1034-1043

2:00 P.M.-2:45 P.M.  ESPLANADE BALLROOM
> PLENARY SESSION
> LIFETIME ACHIEVEMENT AWARD
Four Centuries of Biomedical Research in the US Army Medical Corps: Benefits and Challenges
Basil A. PRUITT Jr., MD, FACS, MxCCM
Clinical Professor of Surgery
Betty and Bob Kelso Distinguished Chair in Burn and Trauma Surgery
University of Texas Health Science Center San Antonio, Texas, USA
Moderator: Michael YAFFE
LEARNING OBJECTIVES
1. Review the requirements for effective integration of clinical and laboratory research
2. Identify improvements in burn and trauma patient care resulting from integrated research
3. Discuss the reiterative nature of the integrated clinical/laboratory research process

2:45 P.M.-3:45 P.M.  EXHIBIT HALL
Break

3:30 P.M-5:30 P.M.  ROOM 270
> NON-CE SESSION
Developing a Competitive Application for Your First Job
Moderator: Laura A. WATKINS
LEARNING OBJECTIVES
1. Identify differences between pathway careers in critical care
2. Identify appropriate mentorships
3. Understand the job search, interview process and how to improve your chances for success
4. Develop academic skills
> Academic Medicine vs Private Practice: Similarities and Differences
John HOYT
> Developing a CV and obtaining appropriate mentorship in and after training
Ann THOMPSON
> Job search, interviews, and contract negotiating
Timothy YEH
> Creating an Expressive and Powerful Presentation
Paul WISCHMEYER
3:45 P.M.-4:45 P.M.  ROOM 252

• NON-CE SESSION

Become a Fellow of the American College of Critical Care Medicine
Moderator: Sandralee BLOSSER

LEARNING OBJECTIVE
1. Define the eligibility criteria for Fellowship in the American College of Critical Care Medicine

See page 16 for all ACCM activities.

3:45 P.M.-5:45 P.M.

Oral Abstracts

These sessions are based on the abstracts scoring in the top 10% and highlight the best research in a variety of categories. Each abstract will be presented for approximately 15 minutes and will be moderated to facilitate discussions. The abstract numbers listed below correspond with the abstract listing in the December Critical Care Medicine abstract supplement.

3:45 P.M.-5:45 P.M.  ROOM 130

Oral Abstracts: Administration and Education
1  A Model for Identifying Patients Who May Not Need Intensive Care Unit Admission
2  Parents’ Language Use and Their Perceptions of Follow-Up Meetings After a Child’s Death in the Pediatric ICU
3  Patient Census at Midnight Does not Accurately Reflect Peak Bed Utilization in a Pediatric ICU
4  Credentialing ACNPs in Invasive Critical Care Procedures Utilizing Perfused (Bleeding) Cadavers
5  Discovering Complexities in Critical Care and Their Challenges to Health IT Design in a Burn ICU
7  Use of Simulation/Checklist to Improve Safety During Intra-Hospital Transport of the Critically Ill
8  A Novel ICU Hand-Off Tool: The Glass Door of the Patient Room

3:45 P.M.-5:45 P.M.  ROOM 103

Oral Abstracts: Brain Injury, Repair, and Recovery
9  Vasospasm in Children with Moderate to Severe Traumatic Brain Injury
10  HMGB1 Translocation and Microglial Activation After Pediatric TBI Attenuated by Minocycline
11  Does Early Mobilization Improve Neuroscience ICU Patient Outcomes?
12  Repetitive Traumatic Brain Injury in the Immature Brain
13  Autophagy Biomarkers Beclin 1 and p62 Are Detectable in Cerebrospinal Fluid After TBI in Children
14  Neurophysiologic Resilience of the Right Occipital Lobe During/After Brain Death from Cardiac Arrest
15  Cerebrospinal Fluid Levels of Mitochondrial DNA (DAMPs) in Pediatric Traumatic Brain Injury
16  Mechanisms of Nanoparticle Uptake in Neuroinflammation Induced Pediatric Brain Injury

3:45 P.M.-5:45 P.M.  ROOM 104

Oral Abstracts: Cardiovascular/CPR
18  The Effects of β- and β-, α1- Adrenergic Blocking Agents on Post-Resuscitation Myocardial Function
19  The Severity of Post-Resuscitation Myocardial Dysfunction is Closely Related to the Injury Biomakers
20  Diastolic Blood Pressure Predicts Survival Better than End Tidal Carbon Dioxide During CPR
21  Asymmetric Dimethylarginine, Homoaarginine Levels and Atrial Fibrillation in Oesophagectomy Patients
22  Hemodynamic Directed CPR Improves Cerebral Perfusion Pressure and Brain Tissue Oxygen Tension
23  Effect of Cardiac Surgery on Right Ventricular Function, a Speckle Tracking Echocardiography Study
24  Pediatric Fatalities at 30,000 Feet: Characterizing Pediatric Deaths on Commercial Airline Flights

3:45 P.M.-5:45 P.M.  ROOM 135

Oral Abstracts: ECMO and Surgical Outcomes
25  Higher Body Weight Increases Mortality in Adults with Severe Cardiac Failure Supported with ECMO
26  Association of Mortality with Hospital-Level Extracorporeal Membrane Oxygenation Patient Volume
27  30-Day Survival of Patients with STEMI and Cardiogenic Shock
28  Predicting Postoperative Claven 4 Complications After Hepatectomy: An Analysis of 10,300 Patients
29  Mortality in Pediatric ECMO: An Analysis of the Pediatric Health System Information Database
30  The Development of the Pediatric Index of Cardiac Surgical Intensive Care Mortality (PICSIM) Score
31  Causes of Surgical Mortality: Is it Pathology or Hospital Harms?
32  Redefining “Geriatric” Trauma: Is 80 the New 65?
Oral Abstracts: Hematology Trumps the Kidney?
33 Pediatric Acute Kidney Injury Is Independently Associated with Death in Multiple Organ Dysfunction
34 Supernatants from aged RBC, but Not RBC-Derived Microparticles, Suppress Monocyte Function In Vitro
36 Biomarkers Augment Prediction of Renal Recovery and Mortality in Critically-Ill Patients on Dialysis
37 Acute Kidney Injury and Post-Discharge Outcomes in Critical Illness Survivors
38 Outcomes of Bone Marrow Transplant Patients with Acute Respiratory Failure requiring Mechanical Ventilation
39 Transfusion Threshold for Patients with Severe Traumatic Brain Injury
40 The Interaction of Discoidin Domain Receptor 1 with Collagen Contribute to Leukocytes Migration

Oral Abstracts: Infection: Mechanisms to Mankind
41 A RCT of Infection Rates in ICU Environments by EKG Lead Wire Type: Disposable and Cleaned, Reusable
42 The Association of Serum Iron Levels and Bloodstream Infections in the Critically Ill
43 Prevalence, Predictors and Outcomes of MRSA Infections in Patients Having Major Surgical Procedures
44 Characterization of SqqA: A Novel Quorum Quenching Protein Produced by MRSA
45 Gentamicin Use in Goal Directed Sepsis Bundle is Not Associated with Pediatric Acute Kidney Injury
46 Surveillance for Ventilator-Associated Pneumonia (VAP) in Wales: Is HELICS the Best Way?
47 Impact of Source Control in Patients with Severe Sepsis and Septic Shock
48 Aging Depresses Protective Immunity and Prolongs Inflammation in Severe Blunt Trauma Subjects

Oral Abstracts: Potpourri
49 Vitamin D Status at Initiation of Care in Critically-Ill Patients and Risk of 90-Day Mortality
50 Long-Term Outcome of Delirium During ICU Admission in Survivors of Critical Illness
51 Safety and Efficacy of Potassium Chloride Replacement Protocols in a Pediatric Cardiac ICU
52 BQ123, an ETA Receptor Antagonist, in the Treatment of Diabetic
SATURDAY, JANUARY 11, 2014

6:00 A.M.-7:00 A.M.
Continental Breakfast

6:30 A.M.-8:00 A.M.  ROOM 132
• BREAKFAST SYMPOSIUM
Hyponatremia in the Critical Care Patient: First Do No Harm
Supported by an educational grant from Otsuka America Pharmaceuticals, Inc.

Moderator: Stephan MAYER

LEARNING OBJECTIVES
1. Identify the risks of decreased sodium levels in the neurological ICU patient
2. List treatment options for hyponatremia
3. Discuss how to improve outcomes with the neurological critical care patient with hyponatremia

> Hyponatremia in the ICU: Identification and Diagnosis of Patients at Risk
Jose Javier PROVENCIO

> Emerging Treatment Strategies and Pharmacotherapies for Managing Hyponatremia
Mitchell BUCKLEY

> Best Practices and Strategies for Improving Patient Care
Stephan MAYER

6:30 A.M.-8:00 A.M.  ROOM 134
• BREAKFAST SYMPOSIUM
Strategies to Optimize Physical and Psychological Functioning in the ICU Patient
Supported by an educational grant from Hospira

Moderator: Brenda PUN

LEARNING OBJECTIVES
1. Review the impact of pain, sedation and delirium on ICU patients
2. Discuss mobility options for ICU patients
3. Identify strategies for successful guideline implementation

> Impact of Pain, Sedation and Delirium on ICU Patients
Brenda PUN

> Mobility Options for ICU Patients
Heidi ENGEL

> Strategies for Successful Guideline Implementation
Michèle BALAS

6:30 A.M.-8:00 A.M.  ROOM 102
• BREAKFAST SYMPOSIUM
Targeted Therapies for Invasive Fungal Infections: Are You Missing the Mark?
Supported by an educational grant from Astellas

Moderator: Keith OLSEN

LEARNING OBJECTIVES
1. Discuss emerging data on epidemiology of Candida, non-Candida, and mucormycoses infections in the ICU
2. Evaluate evidence-based strategies for the early diagnosis of invasive fungal infections (IFIs)
3. Review the data on current and emerging therapies for IFIs
4. Apply standard and emerging treatment options for the management of IFIs

> IFIs: Understanding the Emerging Risks and Making the Diagnosis
Philip BARIE

> Current Strategies for Prophylaxis, Empirical Treatment, Pre-emptive and Targeted Therapy: What Are the Available and Emerging Therapies?
Keith OLSEN

> Managing the Complex Critically Ill Patients Receiving IFI Therapy: A Case-Based Example of Postoperative Candidiasis
Marvin KOLLEF

6:30 A.M.-8:00 A.M.  ROOM 130
• BREAKFAST SYMPOSIUM
The Continuing Adaptation of MRSA: The Impact on Critical Care
Supported by an educational grant from Cubist Pharmaceuticals Inc.

Moderator: Andrew SCHORR

LEARNING OBJECTIVES
1. Describe the clinical implications of recent changes in methicillin-resistant Staphylococcus aureus (MRSA) as a pathogenic organism and the impact on patient outcomes
2. Recognize the benefits, risks and gaps of currently available therapies for infections due to MRSA
3. Explain how the current pipeline of evolving products may impact the current treatment paradigm by driving improved patient outcomes
4. Review the possible impact of the Affordable Care Act and acceleration of the development of Accountable Care Organizations while exploring best practices to manage MRSA infections based upon the patient and infection type

> Addressing the Clinical and Economic Impact of MRSA
Andrew SCHORR

> Survival Through Adaptation: What Is Next for MRSA?
George SAKOULAS

> Accountable Antibiotic Decision Making: Approaches to Current and Future Treatment Options
Scott MICEK
8:15 A.M.-9:00 A.M. ESPLANADE BALLROOM

- PLENARY SESSION
- PETER SAFAR MEMORIAL LECTURE

**Tackling Critical Brain Injury: “A Little Out of Focus”**

Patrick KOCHANEK, MD
Professor and Vice Chair, Department of Critical Care Medicine
Professor of Anesthesiology, Pediatrics and Clinical and Translational Science
Director, Safar Center for Resuscitation Research
University of Pittsburgh School of Medicine
Pittsburgh, Pennsylvania, USA

**Moderator: Vinay NADKARNI**

**LEARNING OBJECTIVES**
1. Recognize new therapeutic targets and re-examine old targets in critical brain injury
2. Review novel approaches to define successful therapies for critical brain injury
3. Define successful pathways for academic career achievement in neurocritical care

9:00 A.M.-3:15 P.M. EXHIBIT HALL

**Exhibit Hall Open**

9:00 A.M.-10:00 A.M. EXHIBIT HALL

**Break**

9:00 A.M.-11:00 A.M. ROOM 105

- NON-CE SESSION

**Design Thinking: Creating the Ideal ICU**

Workshop: Limited Admission, Registration Not Required

**Moderators:** Doug SOLOMON, Rhonda MALONE WYSKIEL

**LEARNING OBJECTIVES**
1. Provide an understanding of design thinking and the innovation process
2. Understand and experience a new type of brainstorming in design thinking
3. Participate in a hands-on innovation challenge using rapid prototyping to generate ideas for the ICU of the future
4. Reflect on how to use design thinking and innovation concepts in each participant's work

10:00 A.M.-11:00 A.M. ESPLANADE BALLROOM

**Guidelines, Protocols and Checklists**

**Moderator: David CHONG**

**LEARNING OBJECTIVES**
1. Describe the concerns of implementing checklists and how to avoid common pitfalls
2. Recognize important guidelines that could or should be implemented and how to most effectively implement them
3. Discuss the success of the implementation of guidelines and checklists in the ICU environment

- Strategies for Implementation of Evidence-Based Protocols
  Wesley McMillian
- Dark Side of Checklists
  David CHONG
- Process of Care: Checklist and Outcomes
  Jaclyn LeBLANC

10:00 A.M.-11:00 A.M. ROOM 134

- MAINTENANCE OF CERTIFICATION

**Management of Cerebral Edema**

**Moderator: Michel TORBEY**

**LEARNING OBJECTIVES**
1. Examine the role of osmotic therapy in treatment of cerebral edema
2. Discuss the role of hyperoncotic solutions in cerebral edema
3. Review the surgical management of cerebral edema

- Osmotic Approach to Cerebral Edema
  Jeff FLETCHER
- Oncotic Approach to Cerebral Edema
  Michel TORBEY
- Surgical Approach to Cerebral Edema
  Mark CIPOFFE

10:00 A.M.-11:00 A.M. ROOM 102

- MAINTENANCE OF CERTIFICATION

**Strategies for Severely Impaired Gas Exchange**

**Moderator: Robert HYZY**

**LEARNING OBJECTIVES**
1. Discuss outcomes with the use of neuromuscular blocking agents
2. Review goal-oriented respiratory management strategies in the ICU

- To Breathe or Not to Breathe: Does Paralysis Work Early in Acute Respiratory Distress Syndrome?
  Robert HYZY
- Is Oscillation Dead?
  David HAGER
- Extracorporeal Membrane Oxygenation
  Pauline PARK
10:00 A.M.-12:00 P.M. ROOM 103

**Bionics in the ICU**

**Moderator:** Paul CHECCHIA

**LEARNING OBJECTIVES**
1. Describe new devices for cardiovascular and pulmonary support
2. Review specifics of resuscitation as they relate to ventricular assist devices (VAD)
3. Assess pharmacological challenges with cardiac assist devices
4. Assess use of bionics in the pediatric ICU

- By the Way, I Have a VAD
  Michael O’CONNOR
- Update on Extracorporeal Respiratory Assist Device (ERAD)
  John KELLUM
- Anticoagulant Considerations with VADs and ERADs
  Christopher PACIULLO
- Hypovolemic Shock in the VAD Patient
  Srinivas MURALI
- Mechanical Support in Pediatrics
  Paul CHECCHIA

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10:00 A.M.-12:00 P.M. ROOM 130

**Filling in Critical Care Educational Gaps with Simulation**

**Moderator:** Geoffrey LIGHTHALL

**LEARNING OBJECTIVES**
1. Discuss the variables in critical care education
2. Explain key elements in designing scenarios
3. Compare different methods of successful teamwork

- Overview of Simulation and Applicability to Critical Care Education
  Geoffrey LIGHTHALL
- Disease Management and Scenario Design
  Erin HENNESSEY
- Difficult Conversations
  Ruth FANNING
- Procedures and Tasks
  Gregory BOTZ
- Teamwork
  Michael DeVITA
- Ideas to Spice Up What You Are Already Doing
  T. Kyle HARRISON

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10:00 A.M.-12:00 P.M. ROOM 132

**Choosing Wisely: The Critical Care Societies Collaborative Top 5 List**

**Moderator:** Scott HALPERN

**LEARNING OBJECTIVES**
1. Discuss the background on the Choosing Wisely campaign in critical care
2. Identify the top 5 priorities in critical care
3. Describe future strategies for success

- The American Board of Internal Medicine’s Choosing Wisely Campaign: Is It Right for You?
  Scott HALPERN
- The Top 5 List in Critical Care Medicine
  Hannah WUNSCH
- What Is Next? Promoting Adherence to the List
  Jeremy KAHN
- Panel Discussion
  Carol THOMPSON, Patricia FINN, Kathryn ROBERTS, Curtis SESSLER

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10:00 A.M.-12:00 P.M. ROOM 135

**Merlin the Magician: Looking Back in Order to Look Forward**

**Moderator:** Katherine BIAGAS

**LEARNING OBJECTIVE**
1. Listen to past SCCM Presidents as they update their presidential addresses by discussing: what became reality, what they might change, and how they see things differently today

- President, 1984-1985
  Dharmapuri VIDYASAGAR
- President, 1988-1989
  Peter HOLBROOK
- President, 1992-1994
  Russell RAPHAELY
- President, 2001-2002
  Ann THOMPSON
- President, 2004-2005
  Margaret PARKER
- President, 2011-2012
  Pamela LIPSETT
10:00 A.M.-12:00 P.M.  ROOM 104

MAINTENANCE OF CERTIFICATION

The Stuff That Smells Bad
Moderator: Robert SHERIDAN

LEARNING OBJECTIVES
1. Contrast soft tissue injury and infection including the basic underpinnings of the host response
2. Explain what is new in the diagnosis or therapy of necrotizing soft tissue infection (NSTI)
3. Describe the management of complex postoperative or post-injury wounds as part of a multiprofessional team
4. Apply hyperbaric oxygen as an adjunct in wound care

- Basic Mechanisms of Host Response to Burns and Environmental Injury
  Robert SHERIDAN
- NSTI: What Is New in Diagnosis and Therapy?
  Addison MAY
- Complex Wound Management with a Multiprofessional Team
  John Kirby
- Hyperbaric Oxygen as a Wound Care Adjunct
  Allan PHILP

11:00 A.M.-12:00 P.M.  ESPLANADE BALLROOM

Making Decisions: Evidence Versus Experience
Moderator: Clifford DEUTSCHMAN

LEARNING OBJECTIVES
1. List pros and cons associated with evidence-based medicine
2. List pros and cons associated with using experience to make decisions
3. Develop a strategy for balancing all forms of evidence in making decisions

- All Decisions Should Be Evidence Based
  Sean TOWNSEND
- Experience Should Be Used to Make Decisions
  Brian KAVANAGH
- Balancing Evidence and Experience to Make the Most Cost-Effective Decision
  Mark MIKKELSEN

10:00 A.M.-12:00 P.M.  ROOM 202

Year in Review: Pediatrics
Moderator: Ken TEGTMeyer

LEARNING OBJECTIVES
1. Review the past year's critical care studies relevant to pediatric critical care
2. Apply information gained from this review to practice
3. Evaluate the critical care literature using an evidence-based approach
4. Review the state of ongoing clinical research

- Basic Science
  Jessica MORELAND
- Clinical Science
  Fola ODETOLA
- Current Clinical Research
  Martha CURLEY
- Safety and Clinical Practice
  Ken TEGTMeyer

11:00 A.M.-12:00 P.M.  ROOM 134

Social Media and the Intensivist
Moderator: Christopher CARROLL

LEARNING OBJECTIVES
1. Discuss how social media are being used in today's healthcare environment for both networking and education
2. Review some of the pitfalls of using social media

- The Top 5 Things ICU Providers Should Know About Social Media: Who's Face and What Book?
  Christopher CARROLL
- Twitter ICU with a Friend? Using Social Media as a Learning Tool, Coach and Mentor
  Janine Elizabeth ZEE-CHENG
- Twitter-Do and Twitter-Don't: Hazards of Social Media in the ICU Setting
  Alice ACKERMAN

11:00 A.M.-12:00 P.M.  ROOM 102

Stem Cell Therapies in Critical Illness
Moderator: Michael MATTHAY

LEARNING OBJECTIVES
1. Review the current basic and translational research on the role of stem cell therapy in critical illness
2. Describe research findings on use of different types of stem cells in acute lung injury
3. Review research on use of microvesicles derived from stem cells in critical illness

- Mesenchymal Stem Cells in Acute Lung Injury
  Michael MATTHAY
- Human Embryonic Stem Cells in Polymicrobial Sepsis and Lung Injury
  Asrar MALIK
- Mesenchymal Stem Cells in Hemorrhagic Shock
  Jae Woo LEE
LEARNING OBJECTIVES
1. Assess core competencies, procedural competency and professionalism
2. Define the eligibility criteria for Fellowship in the American College of Critical Care Medicine

Welcome
Piyush MATHUR

Panel Discussion: Assessment of Core Competencies; Procedural Competency; Professionalism; A Fellow’s Perspective on Training Expectations and Needs
Stephen PASTORES, Neal COHEN, Addison MAY, Laura WATKINS

Update on ACGME Requirements and the Milestones Project
Stephen PASTORES

Open Discussion

Did you know?
Using your smartphone and the Congress app, you can view the poster and any enhanced information on that research. Scan the QR code at the top of each poster board and find out more information on that poster. Download the Congress app at www.sccm.org/ccc43app.
Saturday, January 11

2:15 P.M.-3:15 P.M.  EXHIBIT HALL
Break

3:15 P.M.-4:15 P.M.  ROOM 135
Adult Congenital Heart Disease
Moderator: Lara SHEKERDEMIAN
LEARNING OBJECTIVES
1. Discuss complications in adults with congenital heart disease
2. Discuss the issues during the perioperative period
   > Challenge: When a Congestive Heart Failure Patient Develops Sepsis
     Steven HOLLENBERG
   > Management Strategies in the ICU for the Surgical Adult Congenital Heart Disease Patient
     Sheri CROW

3:15 P.M.-4:15 P.M.  ROOM 130
Authors’ Primer for Critical Care Journals
Moderator: Edwin DEITCH
LEARNING OBJECTIVES
1. Describe how to improve the chance of getting articles into critical care medicine journals
2. Define what reviewers are looking for
3. Define ethical and conflict of interest issues
   > My Manuscript: Does It Have a Chance?
     Edwin DEITCH
   > Editor Decisions: What Is He/She Telling Me?
     Joseph PARRILLO
   > How Do I Respond to Peer Review to Show the Best Side of My Manuscript?
     Margaret PARKER

3:15 P.M.-4:15 P.M.  ROOM 132
Can We Feed? Ensuring Optimal Early Enteral Nutrition
Supported in part by educational grants from Nestle HealthCare Nutrition and Abbott Nutrition
Moderator: Robert MARTINDALE
LEARNING OBJECTIVES
1. Implement the practical mnemonic “CAN WE FEED” to assist in the development and initiation of early enteral nutrition therapy in the ICU
2. Apply compensatory enteral nutrition administration techniques
3. Explore evidence around fasting prior to procedures
4. Implement strategies to reduce the incidence of aspiration and aspiration-related pneumonia in critically ill, tube-fed patients
   > CAN WE FEED? A New Mnemonic for Merging Nutrition and ICU Management
     Robert MARTINDALE
   > Volume-Based and Compensatory Delivery of Enteral Nutrition in the ICU
     Rafael BARRERA
   > Fasting, Delayed Enteral Feeding, NPO Status: How Necessary, How Long?
     Pamela LIPSETT

3:15 P.M.-4:15 P.M.  ROOM 102
Dialysis in the ICU
Moderator: John KELLUM
LEARNING OBJECTIVES
1. Summarize the latest information regarding dialysis modalities
2. Determine dosing strategies for hemodialysis
3. Integrate prognostic data into the allocation of dialysis in critically ill patients
4. Discuss key principles in determining medication regimens during dialysis
   > Mode of the Day: Continuous Versus Extended, Versus Intermittent
     Kathleen LIU
   > Does Dialysis Dose Matter?
     John KELLUM
   > Dosing Failure: Dialysis and Supporting Medications
     Tyree KISER
### Pediatric Acute Lung Injury

**Moderator:** Philippe JOUVET

**LEARNING OBJECTIVES**
1. Discuss consensus criteria for pediatric acute lung injury
2. Describe the potential applications of closed loop ventilation in the pediatric critical care setting
3. Explain the early use of venovenous extracorporeal membrane oxygenation (ECMO) as a lung protective strategy

- Pediatric Acute Lung Injury: Do We Have Consensus?  
  Neal THOMAS
- Mechanical Ventilation: Closed Loop Management  
  Philippe JOUVET
- Early Venovenous ECMO as a Lung Protective Strategy  
  Ira CHEIFETZ

### Sepsis Immunosuppression

**Moderator:** Jorge HIDALGO

**LEARNING OBJECTIVES**
1. Examine the common immunologic features of the sepsis syndrome
2. Discuss immune deficiencies to the pathophysiology of complications in septic patients
3. Summarize immunopathogenesis in sepsis

- Anergy in Sepsis  
  Steven OPAL
- Apoptosis of Immunity  
  Richard HOTCHKISS
- Opportunistic Infections as a Result of Immunosuppression  
  Jorge HIDALGO

### The Emerging Biology of Inflammation-Induced Critical Illness

**Moderator:** Michael YAFFE

**LEARNING OBJECTIVES**
1. Review the emerging new concepts in the basic science of sepsis
2. Examine the connection between inflammation and organ failure
3. Identify new targets for the therapeutic treatment of sepsis

- DAMPS, PAMPS and Inflammatory Physiology  
  Elliott CROUSER
- Inflammasomes in Sepsis  
  Clifford DEUTSCHMAN
- The New Biology of Inflammation-Induced Organ Failure  
  Steven OPAL

### When the Patient Lacks Capacity

**Moderator:** Christine TOEVS

**LEARNING OBJECTIVES**
1. Describe how to determine a patient’s level of capacity
2. Explain what is required in obtaining informed consent
3. Define the role of healthcare proxy, family members and friends when making decisions for a patient

- How Informed Is Informed? The Ethics of Informed Consent  
  Natalia IVASCU
- Who Can Decide When the Patient Can’t Consent?  
  Dan THOMPSON
- From Assent to Consent: The Pediatric Dilemma  
  Alexander KON

### Year in Review: Surgery

**Moderator:** Vicente GRACIAS

**LEARNING OBJECTIVES**
1. Review current evidence-based surgical literature that has changed practice patterns over previous years
2. Identify key changes in critical care practice as directed by a literature review
3. Access this literature and a reference list for further discussion

- Literature Review  
  Terence O’KEEFFE
- Literature Review  
  Babak SARANI
- Literature Review  
  Douglas NAYLOR

### Design Thinking: Creating the Ideal ICU

**Moderators:** Doug SOLOMON, Rhonda MALONE WYSKIEL

**LEARNING OBJECTIVES**
1. Provide an understanding of design thinking and the innovation process
2. Understand and experience a new type of brainstorming in design thinking
3. Participate in a hands-on innovation challenge using rapid prototyping to generate ideas for the ICU of the future
4. Reflect on how to use design thinking and innovation concepts in each participant’s work
4:30 P.M.-5:30 P.M. ROOM 130

Critical Care Practitioners: Who Is on the Horizon?
Moderator: Stephen PASTORES

LEARNING OBJECTIVES
1. Describe what the critical care practitioner of the future will look like
2. Identify how hospitalists can help in the ICU setting
3. Describe how veterinarians can help improve human healthcare delivery

> Emergency Room Docs: The Maze of Certification
  Brian WESSMAN
> Alternate Pathways for Internists to Become Intensivists
  Stephen PASTORES
> Hospitalists: Where Do They Fit In?
  Andrew AUERBACH

4:30 P.M.-5:30 P.M. ROOM 132

Malnutrition: New International Etiology-Based Diagnosis
Supported in part by an educational grant from Abbott Nutrition
Moderator: Marion WINKLER

LEARNING OBJECTIVES
1. Integrate cutting edge international, etiology-based malnutrition diagnosis in the ICU
2. Examine the influence of inflammation in the etiology of malnutrition and in nutrition response
3. Examine the impact of malnutrition on clinical and functional outcomes
4. Select accurate tools to measure body composition in critically ill children.
5. Outline characteristics to diagnose malnutrition in the critically ill patient

> Inflammation and Nutrition in Acute Injury and Illness
  Paul WISCHMEYER
> Etiology-Based Diagnosis of Adult and Pediatric Malnutrition: Characteristics
  Ainsley MALONE
> Resolving the Malnutrition Query Quandry
  Marion WINKLER

4:30 P.M.-5:30 P.M. ROOM 134

Improving Critical Care Delivery to the Underserved
Moderator: Gregory KERR

LEARNING OBJECTIVES
1. Recognize and describe known disparities in ICU patients
2. Identify the potential for disparities in disease incidence, patient management and clinical outcomes
3. Develop strategies to minimize the occurence of clinical disparities

> What Disparities Exist in Healthcare?
  TBD
> Strategies to End Healthcare Disparities
  Gregory KERR
> Using Telemedicine: Where There Are No Intensivists
  Bela PATEL

4:30 P.M.-5:30 P.M. ROOM 103

Retrospective Analysis of Experiences Learned From Landmark Sepsis Trials: Joint SCCM/ESICM Session
Moderators: Carol THOMPSON, Jean-DANIEL CHICHE

LEARNING OBJECTIVES
1. Discuss the role of insulin versus glucose control in sepsis
2. Review the data and support, and refute steroids in sepsis
3. Assess the impact of industry sponsorship on sepsis trials

> Glucose Control in Sepsis
  Brian KAVANAGH
> Steroids in Sepsis
  Judith JACOBI
> Sepsis and Industry
  Jean-Louis VINCENT
### Translation Research in Cardiopulmonary Resuscitation Research: Lessons Learned

**Moderator:** Vinay NADKARNI

**Supported by an educational grant from ZOLL**

**LEARNING OBJECTIVES**

1. Discuss how outcomes of sudden death have not changed since the introduction of cardiopulmonary resuscitation
2. Examine how many established standards of medical care are wrong or less than perfect

-Wanchun TANG

### Update in the Management of Pediatric Acute Kidney Injury

**Moderator:** Elizabeth FARRINGTON

**LEARNING OBJECTIVES**

1. Describe the pathophysiology and etiology of acute kidney injury and the role of diuretic therapy
2. Explain principles of renal replacement therapy in the pediatric patient with acute kidney injury
3. Develop strategies for drug dosing in the pediatric patient with acute kidney injury

- Renal Angina: Stop the Pain
  - Stuart GOLDSTEIN
- Renal Replacement Therapy: It’s About Time (Literally)
  - Timothy BUNCHMAN
- Drug Dosing in Pediatric Acute Kidney Injury: Small Doses, Big Challenges
  - Elizabeth FARRINGTON

### Update on Coagulation Sampling and Testing

**Moderator:** Robert GOSSELIN

**LEARNING OBJECTIVES**

1. Discuss ways to minimize poor sampling and reporting of coagulation tests
2. Compare the advantages and disadvantages of the various types of coagulation testing methods

- Coagulation Point-of-Care Testing: Improving Sampling and Reporting
  - William DAGER
- Coagulation Testing: Plasma
  - Robert GOSSELIN

### Year in Review: Anesthesia

**Moderator:** Michael WALL

**LEARNING OBJECTIVES**

1. Review the current controversies in critical care
2. Access the literature of controversial issues
3. Determine which current data can contribute to change in practice

- Respiratory Acidosis Is Harmful
  - Daniel JOHNSON
- Aggressive Antibiotics Improve Outcome in ICU Patients: Surgical ICU Data
  - Miguel COBAS
- Bleeding Patients Benefit from Liberal Transfusion
  - Michael WALL
- Questions and Answers
  - Michael WALL

### ACCM Convocation and SCCM Awards Ceremony

(see page 16 for all ACCM activities)
SUNDAY, JANUARY 12, 2014

8:30 A.M.-9:00 A.M.  ESPLANADE BALLROOM
• PLenary SESSION

What’s New and What’s Cool?

Geoffrey LING, MD, PhD, FAAN
Deputy Director, Defense Sciences Office, Defense Advanced Research Projects Agency
Attending Physician and Director, Neurosciences Critical Care, Department of Critical Care Medicine, Walter Reed National Military Medical Center
Washington, DC, USA

Moderator: Daniel BROWN

LEARNING OBJECTIVES
1. Discuss the biomedical innovation process at Defense Advanced Research Projects Agency (DARPA)
2. Review exciting new innovations that are on the near horizon
3. Discuss innovations on the distant horizon

9:00 A.M.-2:00 P.M.  EXHIBIT HALL
Exhibit Hall Open

9:00 A.M.-10:00 A.M.  EXHIBIT HALL
Break

10:00 A.M.-11:00 A.M.  ROOM 130
• MAINTENANCE OF CERTIFICATION

Optimizing Antimicrobial Therapy in the ICU

Moderator: Jorge HIDALGO

LEARNING OBJECTIVES
1. Discuss the potential risks associated with unnecessary, excessive or prolonged antimicrobial therapy for both the patient and institution
2. Review antimicrobial resistance issues in critically ill patients
3. Discuss the role of de-escalation strategies

> Septic Shock: Empiric Therapy and Source Control in Septic Shock
John MARSHALL

> Antibiotics Resistance: The Bacteria Strike Back
Jorge HIDALGO

> Biomarker-Guided De-escalation
Steven OPAL

10:00 A.M.-11:00 A.M.  ROOM 132

Rapid Response Update

Moderator: Marilyn HRAVNAK

LEARNING OBJECTIVES
1. Evaluate recent data on effectiveness of a rapid response system (RRS)
2. Identify how to collect and analyze data to determine the effect of system interventions
3. Determine what type of rapid response is best for an organization

> Do RRSs Work? A Fresh Look at the Data
Bradford WINTERS

> Which RRS Is Best? Choose a System That Fits Your Organization
Michael HOWELL

> Epidemiology of RRS Events: Where, When, and Why?
Marilyn HRAVNAK

10:00 A.M.-11:00 A.M.  ROOM 134

Year in Review: Neuroscience

Moderator: Jose Javier PROVENCI0

LEARNING OBJECTIVES
1. Highlight and review the most recent neurocritical care-related guidelines
2. Review the latest articles and updates

> A Year Review of Guidelines
Gretchen BROPHY

> A Year Review of Articles
Susanne MUEHLSCHELEGEL
**Extrahepatic Issues in Decompensated Cirrhosis**

**Moderator:** Rahul NANCHAL

**LEARNING OBJECTIVES**
1. Describe pulmonary complications in cirrhosis
2. Review renal derangements in cirrhosis
3. Identify hematologic abnormalities in cirrhosis
4. Describe infectious issues in cirrhosis
5. Outline hemodynamic derangements in cirrhosis

- Pulmonary Complications in Cirrhosis
  - Ram SUBRAMANIAN
- Acute Kidney Injury in Cirrhosis
  - Kai SINGBARTL
- Infectious Complications in Cirrhosis
  - Rahul NANCHAL
- Cardiovascular Derangements in Cirrhosis
  - Steven HOLLENBERG

**Palliative Care in the ICU**

**Moderator:** Rebecca ASLAKSON

**LEARNING OBJECTIVES**
1. Describe methods to overcome barriers to integrating palliative care
2. Review the data supporting the integration of palliative care into the ICU
3. Recognize the specific issues affecting palliative care in the pediatric population

- Integrating Palliative Care: Overcoming the Barriers
  - Zara COOPER
- Using Evidence-Based Palliative Medicine to Improve ICU Quality
  - Rebecca ASLAKSON
- Palliative Care Through Teamwork
  - J. Randall CURTIS
- Little People and Their Families
  - Christine ZAWISTOWSKI

**Pulmonary Hypertension**

Supported in part by an educational grant from Actelion Pharmaceuticals US, Inc.

**Moderator:** Jeffrey WILT

**LEARNING OBJECTIVES**
1. Describe basic management principles of patients with pulmonary hypertension
2. Explain the role of inhaled therapies for pulmonary hypertension
3. Develop a medication treatment plan for pulmonary hypertension

- Etiology and Pathophysiology
  - Jeffrey WILT
- Diagnosis and Monitoring
  - Jeffrey FINEMAN
- Management Strategies: It’s Not Just Drugs
  - Micah FISHER
- Medications and Novel Therapies
  - Amy DZIERBA

**What If… An Examination of Certain Policies Within the Pediatric ICU**

**Moderator:** James FORTENBERRY

**LEARNING OBJECTIVES**
1. Address ongoing controversies with critical care of the pediatric patient
2. Examine whether certain pediatric ICU policies are beneficial or destructive to the pediatric ICU staff

- What If Your Pediatric ICU Adopted a Futility Policy?
  - James FORTENBERRY
- What If Your Pediatric ICU Refused to Follow Donation After Cardiac Deaths?
  - Scott HALPERN
- What If Your Pediatric ICU Abandoned the Concept of Maintenance Intravenous Fluids?
  - Stuart GOLDSTEIN
- What If Your Pediatric ICU Utilized a Mandatory Tracheostomy Order After a Certain Number of Ventilated Days?
  - Alan FIELDS
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session Title</th>
<th>Moderator</th>
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<tbody>
<tr>
<td>10:00 A.M.-12:00 P.M.</td>
<td>ROOM 103</td>
<td><strong>What’s Hot in Cardiac Arrest Research?</strong></td>
<td>Samuel TISHERMAN</td>
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<td><strong>LEARNING OBJECTIVES</strong></td>
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<td>1. Identify the targets for resuscitation from cardiac arrest being trialed by</td>
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<td>the E26 NIH-funded Resuscitation Outcomes Consortium (ROC)</td>
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<td>2. Review mechanisms of multi-organ failure that follow cardiac arrest,</td>
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<td>ischemia and reperfusion</td>
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<td>3. Discuss the integration of new clinical data to resuscitation</td>
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<td>&gt; National Institutes of Health Resuscitation Outcomes Consortium</td>
<td>Graham NICHOL</td>
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<td>&gt; Just Say No to Drugs During Cardiac Arrest?</td>
<td>Clifton CALLAWAY</td>
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<td>&gt; Should We Cool Trauma Patients Who Arrest?</td>
<td>Samuel TISHERMAN</td>
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<td>11:00 A.M.-12:00 P.M.</td>
<td>ROOM 104</td>
<td><strong>Bench to Bedside: The Endothelium in Infection</strong></td>
<td>Basilia ZINGARELLI</td>
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<td><strong>LEARNING OBJECTIVES</strong></td>
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<td>1. Review the change to signalling pathways involved in endothelial</td>
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<td>activation during infection</td>
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<td>2. Describe the expression of endothelial-derived cell surface molecules in</td>
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<td>3. Examine potential new therapies directed towards modification of</td>
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<td>endothelial interactions</td>
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<td>&gt; The Biochemistry of Endothelial Activation</td>
<td>Basilia ZINGARELLI</td>
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<td>&gt; Endothelial Innate Immune Pathways in Sepsis</td>
<td>Judith HELLMAN</td>
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<td>&gt; Endothelial Modification in Infection</td>
<td>Carolyn CALFEE</td>
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<td>11:00 A.M.-12:00 P.M.</td>
<td>ROOM 132</td>
<td><strong>Resuscitating in Austere Environments</strong></td>
<td>Christine TOEVES</td>
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<td><strong>LEARNING OBJECTIVES</strong></td>
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<td>1. Discuss how to manage shock in a resource-limited environment</td>
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<td>2. Explain concepts of resuscitation in situations where supplies are</td>
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<td>3. Apply resuscitation principles to the logistic realities of austere</td>
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<td>&gt; The Ethics of Triage: Should We Leave You Behind?</td>
<td>Christine TOEVES</td>
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<td>&gt; Lessons Learned from Developing Countries</td>
<td>Andrew PATTERSON</td>
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<td>&gt; Lessons Learned from the Military Experience</td>
<td>Lisa FLYNN</td>
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<td>11:00 A.M.-12:00 P.M.</td>
<td>ROOM 134</td>
<td><strong>Implications of Bedside Advanced Neuromonitoring</strong></td>
<td>Jan CLAASSEN</td>
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<td><strong>LEARNING OBJECTIVES</strong></td>
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<td></td>
<td>1. Evaluate the current neurological monitoring devices and thresholds for</td>
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<td>2. Assess whether use of these modalities improves or predicts clinical</td>
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<td>&gt; Continuous Electroencephalography Findings: What Do They Mean for My Patient?</td>
<td>Jan CLAASSEN</td>
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<td>&gt; Using and Interpreting Results of Brain Tissue Partial Pressure of Oxygen and</td>
<td>Paul VESPA</td>
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<td>Cerebral Microdialysis</td>
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<td>&gt; Methods and Uses for Monitoring Cerebral Blood Flow</td>
<td>Alejandro RABINSTEIN</td>
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<td>11:00 A.M.-12:00 P.M.</td>
<td>ROOM 252</td>
<td><strong>Infection Control: How Are We Doing?</strong></td>
<td>Michael MURRAY</td>
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<td><strong>LEARNING OBJECTIVES</strong></td>
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<tr>
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<td></td>
<td>1. Provide evidence to improve patient outcomes regarding health-associated</td>
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<td>2. Identify implementation strategies to change practice</td>
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<td>&gt; Evidence vs. Tradition: Examining the Science on Bathing Critically Ill</td>
<td>Kathleen VOLLMAN</td>
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<td>&gt; Source Control and Other Surgical Musings</td>
<td>Philip BARIE</td>
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<td>&gt; Antimicrobial Stewardship: Does Controlling Antibiotics Improve Infection</td>
<td>Douglas FISH</td>
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### ePosters

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**Schedule of Events**

**12:15 P.M.-1:15 P.M.  POSTER HALL**

**Professor Walk Rounds**

- Administration and Education 05  
  Administration and Education 06  
  Administration and Education 07  
  Basic Science - Neurology 02  
  Basic Science - Pulmonary 01  
- Burns/Trauma 05  
- Cardiovascular 06  
- Cardiovascular 07  
- Cardiovascular 08  
- Clinical Medicine - Pulmonary 07  
- Clinical Medicine - Pulmonary 08  
- Clinical Medicine - Pulmonary 09  
- Clinical Medicine - Neurology 04  
- CPR/Resuscitation 06  
- CPR/Resuscitation 07  
- Epidemiology/Outcomes 13  
- Epidemiology/Outcomes 14  
- Epidemiology/Outcomes 15  
- Epidemiology/Outcomes 16  
- Epidemiology/Outcomes 17  
- Epidemiology/Outcomes 18  
- GI/Nutrition 03  
- Immuno Infections 05  
- Pharmacology 09  
- Pharmacology 10  
- Pharmacology 11  
- Pharmacology 12  
- Pharmacology 13  
- Renal and Endocrine 03  
- Renal and Endocrine 04  
- Sepsis 08  
- Sepsis 09  
- Sepsis 10  
- Sepsis 11

**1:00 P.M.-1:30 P.M.  ROOM 252**

**SCCM Business Meeting**

**1:30 P.M.-2:00 P.M.  ROOM 270**

**Abstract-Based Awards Ceremony**

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**1:30 P.M.-2:00 P.M.  ROOM 252**

**ACCM Business Meeting**

(see page 16 for details)

**1:15 P.M.-2:00 P.M.  POSTER HALL**

**Poster Board Retrieval**

Posters must be taken down between 1:15 P.M. and 2:00 P.M. Any posters not removed by 2:00 P.M. will be discarded. Any materials left behind will not be the responsibility of the Society of Critical Care Medicine, Moscone Center South, or GES decorating company.

**2:00 P.M.-2:45 P.M.  ESPLANADE BALLROOM**

- **PLENARY SESSION**
- **WILLIAM SHOEMAKER HONORARY LECTURE**

**Artificial “Intensigence”: The Merger of Man and Machines in the ICU**

C. William HANSON III, MD, FCCM  
Professor of Anesthesiology and Critical Care  
Chief Medical Information Officer  
University of Pennsylvania Health Systems  
Philadelphia, Pennsylvania, USA

**Moderator: Vinay NADKARNI**

**LEARNING OBJECTIVES**

1. Assess the implications of “big data” for care of the critically ill  
2. Discuss closed loop medication administration and ventilation systems  
3. Compare lessons from other highly automated industries for care of the critically ill

**2:45 P.M.-3:00 P.M.  ESPLANADE BALLROOM FOYER**

**Break**

**3:00 P.M.-4:00 P.M.  ESPLANADE BALLROOM**

**Best Science: Encore Presentations**

**Moderator: Clifford DEUTSCHMAN**

**LEARNING OBJECTIVE**

1. Review the top research that has been recently presented at respected societies

- **Best Research: Shock Society**  
  Craig COOPERSMITH
- **Best Research: Pediatric Academic Society**  
  Thomas SHANLEY
- **Best Research: American Thoracic Society**  
  Patricia FINN
### Bridge to the Future: Extracorporeal Support in Adult Respiratory Failure
**Moderator:** Daniel BRODIE

**LEARNING OBJECTIVES**
1. Discuss the role of interfacility transport in facilitating care in severe respiratory failure
2. Review the potential use and benefits of extracorporeal support in chronic obstructive pulmonary disease (COPD) exacerbation
3. Examine the current evidence and clinical trials of extracorporeal support in acute respiratory distress syndrome (ARDS)
4. Discuss the ethics and implications of discontinuing futile extracorporeal membrane oxygenation support

- Bridge to Regionalization: Interfacility Transport
  - Daniel BRODIE
- Bridge to Recovery: COPD and ARDS
  - Marco RANIERI
- Bridge to Transplantation in End-Stage Lung Disease
  - James BLUM

### Don’t Be Alarmed: Preventing the Distraction
**Moderator:** Sandra KANE-GILL

**LEARNING OBJECTIVES**
1. Review the literature and Joint Commission recommendations on alarm fatigue
2. Explore new alert and alarm system developments to maximize signal-to-noise ratios

- What Is the Depth of the Problem with Alarm Fatigue?
  - Christopher BONAFIDE
- Avoiding Alarm Overload
  - Diane BYRUM
- Managing Alert Overload: Clinical Decision Support
  - Sandra KANE-GILL

### Children Are Not Small Adults and Adults Are Not Big Kids: Congenital Heart Disease
**Moderator:** Lara SHEKERDEMIAN

**LEARNING OBJECTIVES**
1. Discuss the prevalence of adults with congenital heart disease and the complications from lifelong congenital heart disease
2. Evaluate the relationship of adult congenital heart disease (ACHD) patients with critical heart failure, pulmonary hypertension, and postoperative care
3. Identify critical complications in adults with congenital heart disease

- Anesthetic Management of the ACHD Patient Undergoing Surgery
  - Richard LEVY
- Management Strategies in the ICU for the Postoperative ACHD Patient
  - Sheri CROW
- Location, Location, Location: Is a Pediatric or Adult ICU the Place for ACHD Patients?
  - Lara SHEKERDEMIAN

### Frontline Provider Models for Staffing ICUs
**Moderator:** Ruth KLEINPELL

**LEARNING OBJECTIVES**
1. Review national data on the use of nurse practitioners (NPs) and physician assistants (PAs) in the ICU
2. Discuss models of ICU care using NPs and PAs

- What Are the National Trends on the Use of NPs and PAs in the ICU?
  - Ruth KLEINPELL
- Creating Models of ICU Care Using NPs and PAs
  - Timothy BUCHMAN

### Is Personalized Critical Care Medicine Feasible?
**Moderator:** Timothy CORNELL

**LEARNING OBJECTIVES**
1. Assess current developments in the area of pharmacogenomics and applications in the ICU setting
2. Identify how changes in gene expression or cellular phenotype impact illness in the critically ill patient
3. Discuss how devices used to manage various medical problems can be tailored for individuals to improve outcome

- Pharmacogenomics of Critical Care
  - Philip EMPEY
- Epigenetics in Critical Care
  - Timothy CORNELL
- Personalized Medicine for Device Therapy
  - Raghavan MURUGAN
3:00 P.M.-4:00 P.M. ROOM 130

New Developments in the Management of Cardiac Comorbidities
Moderator: Lewis KAPLAN

LEARNING OBJECTIVES
1. Discuss new developments in the diagnosis and treatment of cardiovascular disease
2. Compare treatments of cardiovascular comorbidities
3. Identify complications arising from the use of newer cardiovascular treatments

   > Crashes from the Catheter Lab: True Horror Stories from the ICU
     Glenn WHITMAN
   > ECMO, Here We Go! Extravascular Support
     Pauline PARK
   > The Monitor I Use
     Michael O’CONNOR

3:00 P.M.-4:00 P.M. ROOM 132

MAINTENANCE OF CERTIFICATION

Therapeutic Drug Monitoring: A Modern Day Approach
Moderator: Scott MICEK

LEARNING OBJECTIVES
1. Describe methods for monitoring anticoagulants beyond international normalized ratio (INR) and antiplatelet therapy (APT)
2. Discuss the role of beta-lactamase serum concentrations in the critically ill
3. Review the role of monitoring antifungal concentrations in the critically ill

   > Anticoagulants: More than INR and Partial Thromboplastin Time
     Farooq BANDALI
   > Beta-Lactams: It's Not Just Minimum Inhibitory Concentration
     Scott MICEK
   > Antifungals: I Need to Get a Level
     Simon LAM

3:00 P.M.-4:00 P.M. ROOM 104

Year in Review: Internal Medicine
Moderator: Laura EVANS

LEARNING OBJECTIVES
1. Review the past year's internal medicine studies relevant to critical care
2. Apply information gained from this review to practice
3. Evaluate the internal medicine literature using an evidence-based approach

   > Literature Review
     Paul YODICE
   > Literature Review
     Fred RINCON

4:15 P.M.-5:15 P.M. ROOM 103

Adult Acute Respiratory Distress Syndrome: The Cutting Edge
Moderator: Ognjen GAJIC

LEARNING OBJECTIVES
1. Review the implications for your practice of changing acute respiratory distress syndrome (ARDS) epidemiology
2. Update the latest clinical trials in ARDS

   > ARDS: Fewer Cases and Lower Mortality, or Not?
     Greg MARTIN
   > SAILING Along: Statins Save Lives?
     Louanne M. CARABINI
   > ARDS Prevention: PROOF of LIPS?
     Ognjen GAJIC

4:15 P.M.-5:15 P.M. ROOM 202

Dazed and Confused in the Pediatric ICU
Moderator: Lauren SORCE

LEARNING OBJECTIVES
1. Discuss the deleterious effects of noise on sleep and ICU outcomes
2. Identify use of assessment tools for Delirium in the ICU
3. Discuss risks and benefits of early mobility in the pediatric ICU

   > Dropping Decibels in the ICU: Is It Necessary?
     Lauren SORCE
   > Delirium in the Pediatric ICU: Are Delirium Assessment Tools Valid?
     Chani S. TRAUBE
   > Early Mobilization in the Pediatric ICU
     Ira CHEIFETZ

4:15 P.M.-5:15 P.M. ROOM 134

MAINTENANCE OF CERTIFICATION

Human Factors, Human Errors
Moderator: Michael DeVITA

LEARNING OBJECTIVES
1. Review the data on the impact of improved patient safety through simulation training
2. Examine communication strategies to reduce human error

   > Lessons Learned from Simulation
     Michael DeVITA
   > Multidisciplinary Team Communication and Patient Safety
     David MURPHY
Specialization of ICUs: Is It Right or Wrong?

Moderator: Andrew PATTERSON

LEARNING OBJECTIVES
1. Identify various models of care for subspecialty units
2. Compare the financial outcomes of subspecialized units
3. Discuss the impact on nursing outcomes
   - Different Models and Continuum of Specializing and Subspecializing ICUs: Pros and Cons
     Kenneth KRELL
   - The Nursing Perspective on Subspecializing an ICU
     Dennis TAYLOR
   - What Are the Financial Impacts to a Hospital That Subspecializes ICUs?
     Andrew PATTERSON

Translational Resuscitation Science: An Evolving Story of Pets and Men

Moderator: Dennis CROWE

LEARNING OBJECTIVES
1. Compare the similarities between cardiac arrest and trauma in canine and human patients
2. Discuss the utility of spontaneous large animal disease models in the development of resuscitation research strategies
3. Review the limitations of current preclinical animal models in resuscitation science
   - Cardiopulmonary Resuscitation: One Step Toward Bridging the Animal-Human Gap
     Manuel BOLLER
   - Spontaneous Trauma in Animals: A New Opportunity for Preclinical Trials
     Kelly HALL

When Your ICU Becomes Your Operating Room

Moderator: Philip BARIE

LEARNING OBJECTIVES
1. Explore the implications of operating in the ICU
2. Explain the issues involved from the perspectives of the surgeon, anesthesiologist, and nurse
   - Surgeon Perspective
     Philip BARIE
   - Anesthesiologist Perspective
     Jeffery VENDER
   - Nursing Perspective
     Lynn KELSO

Year in Review: Nursing

Moderator: Linda MORRIS

LEARNING OBJECTIVES
1. Review the year’s critical care studies relevant to both adult and pediatric nursing
2. Evaluate the literature using an evidence-based approach
3. Utilize information gained from this session to guide clinical nursing practice
   - Pediatric Literature Review
     Ann-Marie BROWN
   - Adult Literature Review
     Sandy SWOBODA

Year in Review: Pharmacology

Moderator: Lance OYEN

LEARNING OBJECTIVES
1. Discuss data associated with managing substance withdrawal in critically ill patients
2. Evaluate relevant studies surrounding critically ill patients
3. Review recent literature related to toxicology
   - Substance Withdrawal
     Russel ROBERTS
   - Care of the Critically Ill Transplant Patient
     Heather PERSONETT
   - Toxicology
     Cassie BARTON
MONDAY, JANUARY 13, 2014

8:15 A.M.-9:00 A.M.  ESPLANADE BALLROOM

• PLENARY SESSION
• MAX HARRY WEIL MEMORIAL LECTURE

Critical Care Around the World: Global Challenges

Jean-Louis VINCENT, MD, PhD, FCCM
Professor of Intensive Care Medicine, Université Libre de Bruxelles
Head, Department of Intensive Care, Erasme University Hospital
Brussels, Belgium

Moderator: Greg MARTIN

LEARNING OBJECTIVES
1. Compare international differences in critical care supply and demand
2. Examine global differences in critical care organizations and the impact of these differences on patient care and outcome
3. Discuss how improved international communication and mutual understanding can help promote and establish effective critical care for all

9:00 A.M.-9:30 A.M.  ESPLANADE BALLROOM FOYER

Break

9:30 A.M.-10:30 A.M.  ROOM 104

ICU Informatics and Advanced Decision Analysis

Moderator: Andrew ROSENBERG

LEARNING OBJECTIVES
1. Describe state-of-the-art strategies to address the challenges of ICU data overload and analysis
2. Identify consensus approaches to protect patient privacy during data collection for multi-institutional studies
3. Assess the potential of national data integration for transformational change in critical care

> Data Elements and Interoperability: A Primer for Clinicians
  Raquel BARTZ

> ICU Data Overload: Solutions for Data Aggregation and Analysis
  James BLUM

> Putting It All Together: “Big Data” and Advanced Decision Analysis
  Kristan STAUDENMAYER

9:30 A.M.-10:30 A.M.  ROOM 103

Hemostatic Resuscitation and Acute Coagulopathy in the ICU

Supported in part by an educational grant from CSL Behring

Moderator: William DAGER

LEARNING OBJECTIVES
1. Discuss the issues surrounding plasma and factor concentrates
2. Describe management of bleeding with the new anticoagulants

> The Sunset of Plasma: Factor Concentrates
  Daryl J. KOR

> New Anticoagulants: Managing Bleeding in Their Midst
  William DAGER

9:30 A.M.-10:30 A.M.  ROOM 132

It’s Just Saline…How Can It Be Harmful?

Moderator: Lewis KAPLAN

LEARNING OBJECTIVES
1. Review the mechanisms where saline can cause adverse outcomes
2. Explain the influence of saline resuscitation on kidney function
3. Review evidence for harm associated with composition of intravenous fluids

> Why Would Saline Be Harmful?
  John KELLUM

> Saline Boluses and Increased Mortality in Pediatric Sepsis
  Eric WILLIAMS

> Saline and Risk of Acute Kidney Injury
  Rinaldo BELLOMO

9:30 A.M.-10:30 A.M.  ROOM 130

Stop Stressing Over Stress Ulcers

Moderator: Jeffrey BARLETTA

LEARNING OBJECTIVES
1. Describe risk factors for clinically significant bleeding and indications for stress ulcer prophylaxis
2. Compare the available pharmacological agents used for stress ulcer prophylaxis
3. Describe the adverse effects of stress ulcer prophylaxis

> Stress Ulcers: Who Gets Them?
  Deborah COOK

> Proton Pump Inhibitors and Histamine 2 Receptor Antagonists: Which One?
  Jeffrey BRUNO

> Stress Ulcer Prophylaxis: Not For Everyone; Consequences of Overuse
  Mitchell BUCKLEY
9:30 A.M.-10:30 A.M.  ROOM 202

Utilization of Ultrasound in Pediatric ICU
Moderator: Ellie HIRSHBERG

LEARNING OBJECTIVE
1. Discuss the use of ultrasound in assessment and management of critically ill children

> Is the Use of Ultrasound Standard of Care? Contributions to Quality and Credentialing
  Akira NISHISAKI

> Use of Bedside Procedures: Clinical Cases
  Ellie HIRSHBERG

> Incorporating Ultrasound in an Educational Curriculum
  Erik SU

9:30 A.M.-11:30 A.M.  ROOM 135

KEYNOTE SPEAKERS SESSION

Imagining the Future of ICU Care in the Era of Big Data
Moderator: Michael GROPPER

LEARNING OBJECTIVES
1. To explain and describe how big data sets can be used to improve disease control
2. To identify and describe the real costs and limitations of data acquisition and storage
3. To describe how machine learning and decision support could be used in the ICU of the future
4. To outline criteria for prioritizing data management of the critically ill
5. To ask the question if data can be used to guide patient care, predict disease states, and assess clinical performance as part of a continuous learning system in the ICU

> Big Data, Big Deal!
  Mark SMOLINKSI

> Finding Data
  Jini KIM

> Treating the ICU as an Ecosystem; Preventing Risky States in the ICU
  Daniel TALMOR

9:30 A.M.-11:30 A.M.  ROOM 134

Implementing the Pain, Agitation, Delirium, Immobility Guidelines in the ICU
Moderator: Judy DAVIDSON

LEARNING OBJECTIVES
1. Illustrate what a patient experiences within an ICU
2. Discuss strategies for improving outcomes
3. Identify strategies and barriers to guideline implementation

> My Experience in the ICU
  Anthony RUSSO

> Centers for Disease Control and Prevention Multi-Site Wake Up and Breathe Program
  Michael KLOMPAS

> Panel Discussion: Implementation Strategies and Barriers; Lessons Learned; Questions and Answers
  Heidi ENGEL, Mary Ann DALY, Patricia POSA

9:30 A.M.-11:30 A.M.  ESPLANADE BALLROOM

Implementing the Surviving Sepsis Bundles in the Medical-Surgical Unit
Moderator: R. Phillip DELLINGER

LEARNING OBJECTIVES
1. Discuss data collection and analysis for performance improvement
2. Identify how to create a team model of care among the emergency department, intensive care unit and medical-surgery floor
3. Compare and contrast several different models of care

> Data-Driven Feasibility
  Mitchell LEVY

> Models of Care in the United Kingdom
  Andrew RHODES

> Models of Care in the United States
  Sean TOWNSEND

> Panel Discussion
### We Are the Champions: The Future of ICU Design

**Moderator:** Neil HALPERN

**LEARNING OBJECTIVES**
1. Discuss ideas for the future design to improve outcome and patient satisfaction
2. Showcase the previous winners of the SCCM design award
3. Review the pitfalls and positives in building a new ICU

- Highlights of the New SCCM Design Guidelines: The Architect’s Perspective  
  Charles D. CADENHEAD
- 2013 ICU Design Award Winner  
  Michael KELLEHER
- 2014 ICU Design Award Winner  
  Nancy T. BLAKE
- View from the Dochitect: Reflections of a Physician-Architect on ICU Design  
  Diana C. ANDERSON
- Advanced Informatics in Critical Care: The Primary Challenge Inherent in Future ICU Design  
  Neil HALPERN

### Acute Kidney Injury: Armor Up!

**Moderator:** John KELLUM

**LEARNING OBJECTIVES**
1. Apply the basic science of kidney injury to clinical care in the ICU
2. Review drug dosing in the setting of acute kidney injury (AKI)
3. Contrast the benefits and risks of the use of radiologic contrast media
4. Integrate guidelines into the treatment of patients at risk for AKI

- AKI: A Toxic or Flow-Based Phenomenon?  
  Lewis KAPLAN
- Protecting the At-Risk Kidney from Drugs  
  Steven OPAL
- New KDIGO Guidelines: Integrating Them Into Practice  
  John KELLUM

### Feed Your Brain: It’s Not Just About Calories!

**Supported by an educational grant from Abbott Nutrition**

**Moderator:** Gail CRESCI

**LEARNING OBJECTIVES**
1. Identify the basic concepts for optimal ICU nutritional support
2. Update recent clinical trials for ICU nutrition, including antioxidants, glutamine, and arginine
3. Examine pros and cons of pre- and probiotic use in the ICU
4. Translate research findings into ICU management protocols

- Overview Role of Dosing for Immune Benefits Versus “Nutritional Support”  
  Robert MARTINDALE
- Pre- and Probiotic Use in the ICU  
  Gail CRESCI
- Clinical Trials in Nutrition Support  
  Thomas ZIEGLER

### Hydrogen Sulfide: A Potential Therapy in Disparate Cardiovascular Disorders?

**Moderator:** Fumito ICHINOSE

**LEARNING OBJECTIVES**
1. Describe the broad effects of hydrogen sulfide in multiple processes encountered in critically ill patients
2. Define specific organs and systems that may eventually benefit from hydrogen sulfide therapy
3. List methods for delivery of hydrogen sulfide
4. Review potential side effects of hydrogen sulfide therapy

- Hydrogen Sulfide Therapy in Cardiac Arrest  
  Tomas DRABEK
- Hydrogen Sulfide in Acute Lung Injury  
  Fumito ICHINOSE
- Hydrogen Sulfide in Sepsis  
  Csaba SZABO
10:30 A.M.-11:30 A.M. ROOM 104

**MAINTENANCE OF CERTIFICATION**

**Novel Applications in Telemedicine**

**Moderator:** Bela PATEL

**LEARNING OBJECTIVES**

1. Identify new clinical areas in which telemedicine can be used to improve the quality of critical care
2. Evaluate different methods for applying ICU telemedicine for maximal effect
3. Develop strategies to address regulatory and legal issues facing ICU telemedicine

- Integrating Telemedicine in the ICU: Hub and Spoke Model
  Miles ELLENBY

- Telepharmacy: Getting Drugs Online
  Allison FORNI

- Telemedicine: Outreach to the Community
  Marc ZUBROW

10:30 A.M.-11:30 A.M. ROOM 202

**The Psychological Impact of Admission to the Pediatric ICU**

**Moderator:** Wynne MORRISON

**LEARNING OBJECTIVES**

1. List the prevalence rates of post-traumatic stress reactions in children and parents after a pediatric ICU admission
2. List three different screening measures of pediatric ICU-related distress in children and their families
3. Identify three different approaches to preventing and/or treating post-traumatic stress in this population

- Prevalence of Post-Traumatic Stress Reactions in Children and Their Parents After Intensive Care Admission
  Wynne MORRISON

- Family-Centered Approaches to Decreasing Distress During and After Pediatric ICU Stay
  Gillian COLVILLE

- Preventing Post-Traumatic Stress: Web-Based Approaches for Parents and Children
  Nancy Kassam-ADAMS
Sepsis-related respiratory failure is a major healthcare problem affecting millions of people around the world each year, often resulting in adverse outcomes. Compiled as an overview of the Society of Critical Care Medicine’s Clinical Focus Conference, *Sepsis-Related Respiratory Failure* presents the latest research and information about this condition and effective strategies for managing it. Topics include sepsis and pulmonary disease, risk factors for lung injury, highlights of the 2012 Surviving Sepsis Campaign guidelines, and strategies for maximizing oxygen delivery.

**Save 10% when you purchase both sepsis products.**

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SCCM Honors the 2014 Award and Grant Recipients

The Society of Critical Care Medicine’s (SCCM) Award and Grant Program was established in 1983 to promote excellence in critical care teaching and research for the improved care of the critically ill and injured. This year, approximately $80,000 will be awarded to critical care and healthcare professionals who have demonstrated dedication and innovation in the field of critical care.

All awards will be presented in conjunction with SCCM’s 43rd Critical Care Congress in San Francisco, California, USA. The 2014 awards not based on abstracts will be presented during the American College of Critical Care Medicine (ACCM) Convocation/SCCM Awards Presentation on Saturday, January 11, 2014, from 6:30 p.m. to 8:00 p.m. in the Yerba Buena Ballroom of the San Francisco Marriott Marquis. The abstract-based awards will be presented on Sunday, January 12, 2014, from 1:30 p.m. to 2:00 p.m. in Room 270 of the Moscone Center South.

Award and grant recipients receive financial rewards, prestige and recognition within the field of critical care. Congratulations to the following award and grant recipients!

**Award Recipients**

<table>
<thead>
<tr>
<th>Award Recipients</th>
<th>Sponsor</th>
<th>Recipient</th>
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<tr>
<td><strong>ASMUND S. LAERDAL MEMORIAL LECTURE AWARD</strong></td>
<td>Sponsor: The Laerdal Foundation for Acute Medicine</td>
<td>Wanchun TANG, MD, MCCM</td>
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<tr>
<td><strong>BARRY A. SHAPIRO MEMORIAL AWARD FOR EXCELLENCE IN CRITICAL CARE MANAGEMENT</strong></td>
<td>Sponsor: Generous Donors to the Barry A. Shapiro Memorial Award Fund</td>
<td>Ann E. THOMPSON, MD, MCCM</td>
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<td><strong>CHAPTERS ALLIANCE EXCELLENCE AWARD</strong></td>
<td>Sponsor: The Chapters Alliance</td>
<td>New Mexico Chapter</td>
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<td><strong>DISTINGUISHED INVESTIGATOR AWARD</strong></td>
<td>Sponsor: American College of Critical Medicine</td>
<td>Ernest E. MOORE, MD, FACS, FCCM</td>
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<td><strong>DISTINGUISHED SERVICE AWARD</strong></td>
<td>Sponsor: Society of Critical Care Medicine</td>
<td>Clifford S. DEUTSCHMAN, MS, MD, FCCM</td>
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<td>Gerard J. FULDA, MD, FCCM</td>
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<td><strong>DR. JOSEPH AND RAE BROWN AWARD</strong></td>
<td>Sponsor: The Pennsylvania Chapter of the Society of Critical Care Medicine</td>
<td>Prasad E. ABRAHAM, PharmD, BCPS</td>
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<td><strong>FAMILY-CENTERED CARE INNOVATION AWARD</strong></td>
<td>Sponsor: Society of Critical Care Medicine</td>
<td>The Johns Hopkins Hospital, Weinberg Intensive Care Unit, Baltimore, Maryland, USA</td>
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<td>Honorable Mention</td>
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<td>Memorial Sloan-Kettering Cancer Center, Adult Medical-Surgical Intensive Care Unit, New York, New York, USA</td>
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<td><strong>GREENVIK FAMILY AWARD FOR ETHICS</strong></td>
<td>Sponsor: Grenvik Family Memorial Fund</td>
<td>Deborah J. COOK, MD</td>
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<td><strong>ICU DESIGN CITATION</strong></td>
<td>Sponsors: Society of Critical Care Medicine, American Association of Critical-Care Nurses, American Institute of Architects Academy</td>
<td>Children's Hospital Los Angeles Newborn and Infant Critical Care Unit, Los Angeles, California, USA</td>
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<td>Architect: ZGF Architects LLP</td>
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<td>Honorable Mention: Louis and Peaches Oren Heart Hospital Cardio-Vascular Intensive Care Unit, Tyler, Texas, USA</td>
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<td><strong>LIFETIME ACHIEVEMENT AWARD</strong></td>
<td>Sponsor: Society of Critical Care Medicine</td>
<td>Basil A. PRUITT Jr., MD, FACS, MCCM</td>
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<td><strong>NORMA J. SHOEMAKER AWARD FOR CRITICAL CARE NURSING EXCELLENCE</strong></td>
<td>Sponsor: Society of Critical Care Medicine</td>
<td>Sandra M. SWOBODA, RN, MS, FCCM</td>
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<td><strong>SHUBIN-WEIL MASTER CLINICIAN/TEACHER: EXCELLENCE IN BEDSIDE TEACHING AWARD</strong></td>
<td>Sponsor: The Well Family Foundation</td>
<td>Daryl R. GRESS, MD, FCCM</td>
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<td>Madelyn D. KAHANA, MD</td>
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2014 Abstract-based Awards

IN-TRAINING AWARD
10 HMGB1 Translocation and Microglial Activation After Pediatric TBI Attenuated by Minocycline
Dennis SIMON, MD

YOUNG INVESTIGATOR AWARD
13 Autophagy Biomarkers Beclin 1 and p62 Are Detectable in Cerebrospinal Fluid After TBI in Children
Alicia AU, MD

ANNUAL SCIENTIFIC AWARDS
3 Patient Census at Midnight Does Not Accurately Reflect Peak Bed Utilization in a Pediatric ICU
Peter SILVER, MD, FCCM; Todd SWIEBERG, MD

9 Vasospasm in Children with Moderate to Severe Traumatic Brain Injury
Nicole O'BRIEN, MD; Tensing MAA, MD

12 Repetitive Traumatic Brain Injury in the Immature Brain
Emin FIDAN; Jesse LEWIS; Robert GARMAN, DVM, DACVP; Anthony KLINE, PhD; Henry ALEXANDER, MS; Robert CLARK; Patrick KOCHANEK, MD, MCCM; Hulya BAYIR, MD

16 Mechanisms of Nanoparticle Uptake in Neuroinflammation-Induced Pediatric Brain Injury
Sujatha KANNAN; Manoj MISRA, PhD; Elizabeth NANCE, PhD; Fan ZHANG; Kannan RANGARAMANUJAM, PhD

24 Pediatric Fatalities at 30,000 Feet: Characterizing Pediatric Deaths on Commercial Airline Flights
Alexandre ROTTA, MD, FCCM; Paul ALVES, MO; Katherine MASON, MD; Neil NERWICH, MD; Richard SPEICHER, MD; Veerasathpurush ALLAREDDY, MBA, PhD, BDS; Veerajalandhar ALLAREDDY, MD

38 Outcomes of Bone Marrow Transplant Patients with Acute Respiratory Failure Requiring Mechanical Ventilation
Veerajalandhar ALLAREDDY, MD; Aparna ROY, MPH, BS, MB; Min Kyung LEE, DMD; Romesh NALLIJAH, BDS; Sankeerth RAMPA, BE; Veerasathpurush ALLAREDDY, MBA, PhD, BDS; Alexandre ROTTA, MD, FCCM

50 Long-Term Outcome of Delirium During ICU Admission in Survivors of Critical Illness
Anne Marie WOLTERS; Diederik VAN DJUK, MD, PhD; Wietse PASMA; Marjolein LOOIJE; Dylan De LANGE, MD, PhD; Olatifunmi CREMER, MD; Arjen BECKER, MD

1081 Implementation of a Standardized and Reliable System Improves Mortality in Patients with Severe Sepsis
Molade SARUM; Barry GARNER, RN; Hank RAPPAPORT, MD; Patricia McCABE, RN, MSN; Sally GUTIERREZ, RN; Andrea RYAN, MSN; Angela RENKEMA; Mckenzie HALL, MHSA

SPECIALTY AWARDS
ADMINISTRATION
1 A Model for Identifying Patients Who May Not Need Intensive Care Unit Admission
Rand SADA, MD; Margaret CYTRON, RN; Kimberly FOWLER, RN; Victoria JAVAUX, RN; Jacklyn O'BRIEN, RN

BASIC SCIENCE
15 Cerebrospinal Fluid Levels of Mitochondrial DNA (DAMPS) in Pediatric Traumatic Brain Injury
Raj ANEJA, MD; Ronald Aaron BOLA; Thomas WALKO III; Alicja AU, MD; Patrick KOCHANEK, MD, MCCM; Michael BELL, MD; Robert CLARK

BURNS/TRAUMA
32 Redefining “Geriatric” Trauma: Is 80 the New 65?
Jennifer RITTENHOUSE-PUKAH, MD; Frances PHILP, MS; Allan PHILP, MD, FCCM; Christine TOEVIS, MD, FCCM

CARDIOVASCULAR
23 Effect of Cardiac Surgery on Right Ventricular Function, a Speckle Tracking Echocardiography Study
Sam ORDE; Jay OH, MD; John STULAK, MD; Kakesh SURI, MD; DPhil; Juan CICERO, MD; GD; Garvan KANE, MD, PhD

CRP
25 Diastolic Blood Pressure Predicts Survival Better than End-Tidal Carbon Dioxide During CPR
Robert SUTTON, MD; George BRATINOV, MD; Matthew MALTESE, MS; Maryam NAIM, MD; Theodore WEILAND; Stuart FRIESS, MD; Vinay NADKARNI, MD, FCCM; Robert BERG

EDUCATION
150 Effects of Multisensory Training on Pitch Perception of a Pulse Oximeter
Joseph SCHLESINGER, MD; Ryan STEVENSON, PhD; Mark WALLACE

ENDOCRINE
55 Effect of a Conservative-Correction DKA Protocol on Clinical Outcomes in Hospitalized Patients
Rachelle FIRESTONE, PharmD; Komal PANDYA, PharmD; Patricia PARKER, PharmD, BCPS; Jennifer DUBY, PharmD, BCPS

ETHICS
2 Parents’ Language Use and Their Perceptions of Follow-Up Meetings After a Child’s Death in the PICU
Susan EGGLEY; Richard SLATCHER; Kathleen MEERT, MD, FCCM; Collaborative Pediatric Critical Care Research Network

GI/NUTRITION
734 Whey Protein Diets Can Limit Inflammation and Oxidative Stress in the Critically Ill
Yousuke HOKIKAWA, MD, PhD; Rei TSUTSUMI, PhD; Yasuo TSUTSUMI, MD, PhD

HEMATOLOGY
762 Evaluation of a Direct Thrombin Inhibitor Dosing and Titration Guideline
James GILMORE, PharmD; Christopher ADAMS, PharmD; Rachel BLUM, PharmD, BCPS; John FANIKOS; Beth Anne HIRNING, RPh; Lina MATTA, RPh

INFECTION
41 An RCT of Infection Rates in ICU Environments by EKG Lead Wire Type: Disposable and Cleaned, Reusable
Nancy ALBERT, CCRN, CNS, PhD, FCCM; James BENA, MS; Katrina HARTIG, MS, BSN, RN, NE-BC; Gregory HORVATH, RN, BA, MBA; Victoria RHODES, BSN, RN, CCRN; Rosslyn VAN DEN BOSSCHE, BSN, RN, MBA; Nemy VARGAS, MSN, RN, CCRN, CEN; Susan WILSON, BSN, RN

NEUROLOGY
434 Correlation of Cerebral Blood Flow and Apparent Diffusion Coefficient in Pediatric Cardiac Arrest
Leah MANCHESTER; Ericka FINK, MD

PATIENT AND FAMILY SUPPORT
833 Opening the Black Box: A Typology of Patients and Families
Elise PARADIS, PhD; Myles LESLIE; Michelle MILIC, MD, FCCP; Michael GROPPER, MD, PhD; Simon KITTO, PhD; Scott REEVES, PhD

PHARMACOLOGY
51 Safety and Efficacy of Potassium Chloride Replacement Protocols in a Pediatric Cardiac ICU
Rambo AMIRNOVAN, MD; Phuong LIEU, PharmD; Florida IMPERIAL-PEREZ, MSN, CCRN; Carol TAKETOMO, PharmD; David MOROMISATO, MD

PULMONARY
426 Evaluation of Fibronectin Therapy in Complicated Pleural Effusions
Laura BAUMGARTNER, PharmD; Deb SHERMAN, PharmD

RENAI
36 Biomarkers Augment Prediction of Renal Recovery and Mortality in Critically III Patients on Dialysis
Francis PIKE, BS, MD, PhD; Raghavan MURUGAN, MD, MS, FRCP; Christopher KEENER; Xiaoyan WEN, MD; Michelle ELDER; John KELLUM, MD, MCCM

SEPSIS
61 Mitochondrial Dysfunction in Circulating Immune Cells in Pediatric Septic Shock
Scott WEISS, MD; Jose PERALES VILLARROEL, MD; Mary SELAK, PhD; Vinay NADKARNI, MD, FCCM; Clifford DEUTSCHMAN, MS, MD, FCCM; Lance BECKER, MD

*Credentials printed as provided
A Six-Year Analysis of Hospital Mortality and the Interval Between Intubation and Tracheostomy
Beeha STORCH, MD; Akshay BHAT, MEng; Ramin ZABIN, PhD; Jonathan EKREIS-WINKLER, BA; Peter FLEISCHUT, MD; Kane PRYOR, MD

Prospective Multinational Observational Study of the Incidence of Ventilator-Associated Pneumonia
Christine REHM; Marin KOLLEF, MD

Prediction of Pediatric ARDS via Nasal Modes of Non-Invasive Positive Pressure Ventilation
Molly DORFMAN, MD; Lincoln SMITH, MD; Robert DI BLASI, RRT

Evaluation of 23.4% Hypertonic Saline for the Management of Elevated Intracranial Pressure
Jacquelyn BRYANT, PharmD; Jody ROCKER, PharmD, BCPS; Tim ROBINSON, PharmD, BCPS; Trisha BRANAN, PharmD, BCPS; Kelley NORRIS, PharmD, BCPS; Subhashini RAMESH, MD

Expression of NF-κB after Vasopressin in Cerebral Cortex of CPR in Rats
Hai-feng Li; Xiao-liang LIU; Jihong XING; Fang LIU

Neurologic Injury is the Leading Cause of Death After Out-of-Hospital Cardiac Arrest Resuscitation
Michael FRY; Matt KIRSCHEN; Nicholas ABEND, MD; Rebecca CHORD, MD; Vinay NADKARNI, MD, FCCM; Robert BERG, MD; Alexis TOPJIAN, MD

Outcomes of Pulmonary Hypertension (PH) Patients Admitted to a University Hospital MICU
Lisa WHEELER; Anna HEMINES, MD; Ivan ROBBINS, MD; Meredith PUGH, MD; Arthur WHEELER, MD; Ashok PALAGIRI, MD

Telemedicine Utilization of a Discharge Readiness Score May Facilitate Safer ICU Discharges
Donna GUIDEMSTAD, RN; Rekha LAKSHMANAN, MD; Christopher VEREMAKIS, MD; Erkan HASSAN, PharmD, FACC; Omar BADAWI, PharmD, BCPS; MHP, FACC

Role of Endothelial Dysfunction and Brain Barrier Injury in Acute Brain Dysfunction
Christopher HUGHES, MD; Timothy GIRARD, MD; Jennifer THOMPSON, MPH; Ayumi SHINTANI, PhD; Angela JEFFERSON, PhD; E. Wesley ELY, MD, FCCM; Pratik PANDEHARPANDE, MD, FCCM

Reducing Casual Decision-Making Concerning Critical Laboratory Values: A Quality Improvement Project
Corey CHARTAN; Satish THAMMASITBOON, MD; Natalie VILLAFRANCO, MD; Rahimullah ASAD, MD

Epidemiology of Child Maltreatment Syndrome in United States: Estimates from a Nationwide ED Sample
Min Kyeong LEE, DMD; Romesh NALLAIAH, BDS; Sankeerth RAMPYA, BE; Veerasamuthrourph ALLAREDDY, M.D., MBA, PhD; BDS; David SPEICHER, MD; Veerajalandhar ALLAREDDY, MD

Fratly as a Predictor of Critical Care Complications in the Elective Bariatric Surgery Population
Nina KOLBE, DO; Arthur CARLIN, MD; Stephanie BAKER, DO; Lisa LOUVERS, MD; Dionne BLYDEN, MD; Harriette HORST, MD, FCCM; Ian RUBINFEILD, MD, MBA, FCCM

Determinants of Citation Impact for Large Clinical Trials in Critical Care
John MARSHALL, MD; Kamya KOMMARAJU, MSc; Wilson KWONG, BSc; Karen BURNS, MD

Ability to Predict Functional Status Upon Hospital Discharge in Trauma Patients
Stephen DAVIES; Kenji LEONARD; Brett WAIBEL, MD; Claudia GOETTLER, MD; Michael BARD, MD; Mark NEWELL, MD; Erica TOSCHLOG, MD, FCCM

Graft Evolution After Liver Transplantation, Accompanying Immediate Serum Lactate Levels and Cytokine Levels Associated with Excess Morbidity in the Sicu
Daniel YEH, MD; Miroslav PEEV, MD; Yuchao CHANG, PhD; Erin GILLIS; Caitlin Mackay; Sharon DARAK; George VELMAHOS, MD, PhD, FCCM

Enteral Energy Delivery in the PICU - Delivered, Interrupted, and Miscalculated?
Enid MARTINEZ, MD; Lori BECHARD, RD, MED, LDN; Nesh MEHTA, MD

Ventilator-Associated Pneumonia Risk Between Proton Pump Inhibitors and Histamine Antagonists
Craig WHITMAN, PharmD, BCPS; Jasmine PATEL, PharmD; Bijal PATEL, PharmD; Karen VITO, BSAV; David GERBER, DO

Impact of Rocuronium and Succinylcholine on Sedation Initiation Following Rapid Sequence Intubation
Enc JOHNSON, MD; Alex MEIER, PharmD Candidate; Alicia SHIRAKBARI, MD; Kyle WEANT, PharmD, BCPS; Stephanie BAKER, PharmD, BCPS

Meropenem Pharmacokinetics (PK) in Critically Ill Children
Jeffrey CIES, PharmD, BCPS; Brian WDEN, MD; Arun CHOPRA, MD

Use of Fenoldopam in the Treatment of Calcineurin Inhibitor-Induced Nephrotoxicity
Melissa THOMPSON, PharmD; Jane GOKUN, MS; Timothy CLIFFORD, PharmD; Tracy MACAULAY, PharmD

ECMO-Associated Bloodstream Infections: Utility of Surveillance Blood Cultures?
Andrew MESHER; Thomas BROGAN, MD; Joan HEATH, RN, BSN, CIC; David McMULLAN, MD

IL-1 Receptor Antagonist Improves Mortality in Severe Sepsis Subset with Hemophagocytic Syndrome
Bita SHAKOORY; Joseph CARCILLIO, MD; Huaiqing ZHAO, PhD; Randall CRON, MD, PhD; Charles DINARELLO, MD; Steven OPAL, MD

RESERCH CITATION FINALISTS

137 Leveraging Critical Decision Method and Simulation-Based Training to Accelerate Sepsis Recognition
Gary GEIS; Derek WHEELER, MD, FCCM; Amy BUNGER; Regina TAYLOR; Laura MULTELLO; Mary PATTERSON, MD

177 Diastolic More Than Systolic Function as Determinant of Survival in a Murine Model of Sepsis
Sergio ZANOTTI-CAVAZZONI, MD, FCCM; Fabien PICARD; François DEPRET; Steven HOLLENBERG, MD, FCCM

192 Neurologic Death Induces a Distinct Pattern of Inflammation in Swine Subjected to Ventilator-Associated pneumonia in Trauma
Jingzhou HUANG; Hallie KIM; Shlomit RADOM-AIZIK; Houwen WANG; Kenji LEONARD; Brett WAIBEL, MD

234 Indices of Inflammation in Swine Subjected to Trauma/Hemorrhage and Treated with a Cl Inhibitor
Michael DUBICK, PhD; Yunsong LI, MD; Dana GRUBBS, BS; Milorim SIMOVIC, MD, PhD; Johnny BARR, MS; Jurandir DALLE LUCCA, MD, PhD

235 Comparative Analysis of PICC Line Placement Using Two Imaging Techniques
Sebastian TUME, MD; Jamie HARRISON, RN; Peter VARGA, MD; Nadia KHAH, MD

273 Association of SNPs on Genes Affecting EET Levels and Delayed Cerebral Ischemia in SAH Patients
Mark DONNELLY, BS; Yvette CONLEY, PhD; Elizabeth CRAGO, RN, PhD; Paula SHERWOOD, PhD; Jeffrey BALZER, PhD; FASNM, DABNM; Samuel POLOYAC, PharmD, PhD, FCCM

320 Sympathetic Blockade Attenuates the Progression of Pulmonary Hypertension via Nitric Oxide Pathway
Sungwon NA, MD; Young Jun OH

329 Augmentation Index Might Be a Useful Tool for Monitoring Pulmonary Vascular Efficiency in ARDS
Arnoldo SANTOS OVIEDO, MD; Luca LUCCHETTA; Joao BORGES, MD, PhD; Manuel MONGE-GARCIA; Anders LARSSON, MD, PhD; Gerardo TUSMAN, MD; Gordan HEDENSTIerna, MD, PhD; Fernando SUAREZ-SIPMANN, PhD

364 2014 Abstract-based Awards

406 Prediction of Pediatric ARDS via Nasal Modes of Non-Invasive Positive Pressure Ventilation
Molly DORFMAN, MD; Lincoln SMITH, MD; Robert DiBLASI, RRT

467 Evaluation of 23.4% Hypertonic Saline for the Management of Elevated Intracranial Pressure
Jacquelyn BRYANT, PharmD; Jody ROCKER, PharmD, BCPS; Tim ROBINSON, PharmD, BCPS; Trisha BRANAN, PharmD, BCPS; Kelley NORRIS, PharmD, BCPS; Subhashini RAMESH, MD

729 Cumulative Calorie and Protein Deficit Associated with Excess Morbidity in the ICU
Daniel YEH, MD; Miroslav PEEV, MD; Yuchao CHANG, PhD; Erin GILLIS; Caitlin Mackay; Sharon DARAK; George VELMAHOS, MD, PhD, FCCM

750 Ability to Predict Functional Status Upon Hospital Discharge in Trauma Patients
Stephen DAVIES; Kenji LEONARD; Brett WAIBEL, MD; Claudia GOETTLER, MD; Michael BARD, MD; Mark NEWELL, MD; Erica TOSCHLOG, MD, FCCM

884 Ventilator-Associated Pneumonia Risk Between Proton Pump Inhibitors and Histamine Antagonists
Craig WHITMAN, PharmD, BCPS; Jasmine PATEL, PharmD; Bijal PATEL, PharmD; Karen VITO, BSV; David GERBER, DO

953 Use of Fenoldopam in the Treatment of Calcineurin Inhibitor-Induced Nephrotoxicity
Melissa THOMPSON, PharmD; Jane GOKUN, MS; Timothy CLIFFORD, PharmD; Tracy MACAULAY, PharmD

958 Meropenem Pharmacokinetics (PK) in Critically Ill Children
Jeffrey CIES, PharmD, BCPS; Wayne MOORE, Arun CHOPRA, MD

961 Use of Fenoldopam in the Treatment of Calcineurin Inhibitor-Induced Nephrotoxicity
Melissa THOMPSON, PharmD; Jane GOKUN, MS; Timothy CLIFFORD, PharmD; Tracy MACAULAY, PharmD

1084 ECMO-Associated Bloodstream Infections: Utility of Surveillance Blood Cultures?
Andrew MESHER; Thomas BROGAN, MD; Joan HEATH, RN, BSN, CIC; David McMULLAN, MD

1105 IL-1 Receptor Antagonist Improves Mortality in Severe Sepsis Subset with Hemophagocytic Syndrome
Bita SHAKOORY; Joseph CARCILLIO, MD; Huaiqing ZHAO, PhD; Randall CRON, MD, PhD; Charles DINARELLO, MD; Steven OPAL, MD

43rd CRITICAL CARE CONGRESS PROGRAM | SOCIETY OF CRITICAL CARE MEDICINE
<table>
<thead>
<tr>
<th>MEETING</th>
<th>START TIME</th>
<th>END TIME</th>
<th>ROOM</th>
<th>FACILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Committee Meeting</td>
<td>12:30 p.m.</td>
<td>5:00 p.m.</td>
<td>Pacific G</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Council Meeting</td>
<td>7:30 a.m.</td>
<td>5:00 p.m.</td>
<td>Yerba Buena 14-15</td>
<td>San Francisco Marriott Marquis</td>
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<td>Board of Regents Meeting</td>
<td>7:30 a.m.</td>
<td>5:00 p.m.</td>
<td>Pacific F</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Clinical Pharmacy and Pharmacology Section Strategic Planning Committee Meeting</td>
<td>8:00 a.m.</td>
<td>1:00 p.m.</td>
<td>Walnut</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>New Council Member Orientation</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Pacific G</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Clinical Pharmacy and Pharmacology Section Pre-Congress Symposium</td>
<td>2:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Nob Hill A/B</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Congress Program Committee Business Meeting</td>
<td>5:00 p.m.</td>
<td>7:00 p.m.</td>
<td>Room 120</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Critical Care Pharmacotherapy Trials Network Meeting</td>
<td>5:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Pacific J</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section New Members and First</td>
<td>8:00 p.m.</td>
<td>9:00 p.m.</td>
<td>Yerba Buena 7</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Congress Attendees Orientation</td>
<td>9:00 p.m.</td>
<td>11:00 p.m.</td>
<td>Yerba Buena 9</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Nursing Section Steering Committee Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 228</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Pediatrics Section Resident Education and Recruitment Committee Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 270</td>
<td>Moscone Center South</td>
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<tr>
<td>AAP Section Critical Care Executive Committee Meeting</td>
<td>8:00 a.m.</td>
<td>5:00 p.m.</td>
<td>Pacific J</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>New Member Orientation Meeting</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 270</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Anesthesiology Section Steering Committee Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>In-Training Section Steering Committee Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Room 228</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Osteopathic Medicine Section Business Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
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<tr>
<td>Texas Chapter Business Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Nob Hill A/B</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Chapter Alliance Executive Committee Business Meeting</td>
<td>9:30 a.m.</td>
<td>11:00 a.m.</td>
<td>Nob Hill C</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Uniformed Services Section Business Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 270</td>
<td>Moscone Center South</td>
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<tr>
<td>Ultrasound Committee Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 230</td>
<td>Moscone Center South</td>
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<tr>
<td>Pediatric Sedation Guideline</td>
<td>10:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Pacific E</td>
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<tr>
<td>Red Blood Cell Transfusion Guideline</td>
<td>10:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Pacific F</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Adult MCCKAP</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Pacific C</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>In-Training Section Business Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 110</td>
<td>Moscone Center South</td>
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<tr>
<td>Neuroscience Section Business Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
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<tr>
<td>Pediatrics Section Steering Committee Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
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<tr>
<td>Nursing Section Membership Committee/Congress First Timers’/</td>
<td>10:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 252</td>
<td>Moscone Center South</td>
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<tr>
<td>Communication and Recognition Committee Meetings</td>
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<td></td>
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<tr>
<td>Chapter Alliance Committee Business Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Nob Hill A/B</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Clinical Pharmacy and Pharmacology Section Communications Committee Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 113</td>
<td>Moscone Center South</td>
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<tr>
<td>FCCS Committee Business Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Pacific H</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Anesthesiology Section Business Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 270</td>
<td>Moscone Center South</td>
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<tr>
<td>Pediatric MCCKAP</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Pacific C</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Pediatrics Section Palliative Care Committee Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Emergency Medicine Section Lunch Reception/Business Meeting</td>
<td>11:30 a.m.</td>
<td>1:30 p.m.</td>
<td>Room 120</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Program Committee Meeting</td>
<td>12:00 p.m.</td>
<td>1:00 p.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
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<tr>
<td>ACCM Awards Committee Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>ACCM Credentials Committee Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 113</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Adult Online Practice Exam Committee Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Pacific C</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Internal Medicine Section Steering Committee Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Pediatrics Section Advanced Practice Nursing Committee Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 252</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>PFCCS Committee Business Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Pacific H</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Models in Critical Care Guideline</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Pacific E</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Pediatric Sepsis Guideline</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Pacific F</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Northeast Chapter Business Meeting</td>
<td>1:30 p.m.</td>
<td>2:30 p.m.</td>
<td>Nob Hill A/B</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Finance and Investment Committee</td>
<td>2:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
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<tr>
<td>Baltimore Chapter Business Meeting</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Nob Hill C</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>New Mexico Chapter Business Meeting</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Nob Hill A/B</td>
<td>San Francisco Marriott Marquis</td>
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</tbody>
</table>
### Business and Ancillary Meetings

#### FRIDAY, JANUARY 10, 2014, CONTINUED

<table>
<thead>
<tr>
<th>MEETING</th>
<th>START TIME</th>
<th>END TIME</th>
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<tr>
<td>Patient and Family Support Committee Business Meeting</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Pacific B</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>ACCM Nominating Committee Meeting</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
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<tr>
<td>Drug Shortage Task Force</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 112</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>FDM Committee Business Meeting</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Pacific H</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Internal Medicine Section Business Meeting</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 120</td>
<td>Moscone Center South</td>
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<tr>
<td>Item Development Editorial Board</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Pacific C</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>LearnICU User Contributors</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Study Mission to South Africa Reunion</td>
<td>3:00 p.m.</td>
<td>4:30 p.m.</td>
<td>Room 110</td>
<td>Moscone Center South</td>
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<tr>
<td>Adult ADT Guideline</td>
<td>3:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Pacific E</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Pediatric ADT Guideline</td>
<td>3:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Pacific F</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Adult Current Concepts in Critical Care Committee Business Meeting</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>Nob Hill A/B</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>In-Training Section Session: Developing a Competitive Application for Your First Job</td>
<td>3:30 p.m.</td>
<td>5:30 p.m.</td>
<td>Room 270</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Become a Fellow of the American College of Critical Care Medicine</td>
<td>3:45 p.m.</td>
<td>4:45 p.m.</td>
<td>Room 252</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>ACCM Fellowship Services Committee Meeting</td>
<td>4:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
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<tr>
<td>Pediatric Online Practice Exam</td>
<td>4:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Pacific C</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Pediatric Current Concepts in Critical Care Committee Business Meeting</td>
<td>4:30 p.m.</td>
<td>5:30 p.m.</td>
<td>Nob Hill A/B</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>SCCM Executive Committee Meeting Gordon and Betty Moore Foundation</td>
<td>4:30 p.m.</td>
<td>5:30 p.m.</td>
<td>Room 113</td>
<td>Moscone Center South</td>
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<tr>
<td>Pediatric Section Reception</td>
<td>6:00 p.m.</td>
<td>8:00 p.m.</td>
<td>—</td>
<td>Barber Lounge, 854 Folsom Street</td>
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<tr>
<td>Medical Education Committee Chairs Business Meeting</td>
<td>5:30 p.m.</td>
<td>6:30 p.m.</td>
<td>Pacific H</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Pennsylvania Chapter Reception</td>
<td>5:30 p.m.</td>
<td>7:00 p.m.</td>
<td>The View Lounge</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Internal Medicine Section Reception</td>
<td>5:30 p.m.</td>
<td>7:30 p.m.</td>
<td>Yerba Buena 10-11</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Cleveland Clinic Alumni Reception</td>
<td>6:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Yerba Buena 4-6</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Texas Chapter Reception</td>
<td>7:00 p.m.</td>
<td>9:00 p.m.</td>
<td>Nob Hill D</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Emory Center for Critical Care Reception</td>
<td>7:30 p.m.</td>
<td>9:30 p.m.</td>
<td>Yerba Buena 2-3</td>
<td>San Francisco Marriott Marquis</td>
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#### SATURDAY, JANUARY 11, 2014

<table>
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<tr>
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<th>START TIME</th>
<th>END TIME</th>
<th>ROOM</th>
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<tr>
<td>CCM and PCCM Combined Editorial Board Meeting</td>
<td>6:15 a.m.</td>
<td>7:45 a.m.</td>
<td>Room 270</td>
<td>Moscone Center South</td>
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<tr>
<td>Clinical Pharmacy and Pharmacology Section Education Committee Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
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<tr>
<td>Pediatrics Section Billing and Coding Committee Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 112</td>
<td>Moscone Center South</td>
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<tr>
<td>Family Centered Care Guideline Task Force</td>
<td>8:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Pacific H</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Steroid Insufficiency Guideline</td>
<td>8:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Pacific E</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Ultrasound Guideline</td>
<td>8:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Pacific F</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Ohio Chapter Business Meeting</td>
<td>8:30 a.m.</td>
<td>9:30 a.m.</td>
<td>Walnut</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Accreditation Committee</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 230</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Pediatrics Section Quality and Safety Committee Meeting</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
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<tr>
<td>Surgery Section Development Committee Meeting</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
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<tr>
<td>Emergency Medicine Section Development Meeting</td>
<td>9:00 a.m.</td>
<td>10:30 a.m.</td>
<td>Room 270</td>
<td>Moscone Center South</td>
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<tr>
<td>Item-Writing Workshop</td>
<td>9:00 a.m.</td>
<td>10:30 a.m.</td>
<td>Pacific C</td>
<td>San Francisco Marriott Marquis</td>
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**Nursing Section Business Meeting/Expert Nurse Panel and Member Breakfast Reception sponsored by Abbott Nutrition** |

<table>
<thead>
<tr>
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<tr>
<td>Graduate and Resident Education Committee Business Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Room 114</td>
<td>Moscone Center South</td>
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<tr>
<td>Michigan Chapter Business Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Walnut</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>New Jersey Chapter Business Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Willow</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>SSC Gordon and Betty Moore Foundation Meeting</td>
<td>9:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 113</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Billing and Coding Oversight Committee Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Pacific B</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Pediatrics Section Fellowship Directors' Committee Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 252</td>
<td>Moscone Center South</td>
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<tr>
<td>Guideline Management Committee and Guideline Utilization Committee Meeting</td>
<td>10:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Pacific E</td>
<td>San Francisco Marriott Marquis</td>
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<td>Medication Use Safety Guideline</td>
<td>10:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Pacific F</td>
<td>San Francisco Marriott Marquis</td>
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<tr>
<td>Membership Committee Meeting</td>
<td>10:15 a.m.</td>
<td>12:00 p.m.</td>
<td>Pacific H</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Ultrasound Non-Physician Task Force</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 230</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Recruitment Exchange Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
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## Business and Ancillary Meetings

**As of November 8, 2013**

<table>
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<tr>
<th>MEETING</th>
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<th>END TIME</th>
<th>ROOM</th>
<th>FACILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SATURDAY, JANUARY 11, 2014, CONTINUED</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing Section Advanced Nursing Practice and Professional Development Committee Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 112</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Southeast Chapter Business Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Walnut</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Oregon Chapter Business Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Willow</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Pediatrics Section Fellows Committee Business Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 252</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Undergraduate Education Committee Business Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 114</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Item-Writing Workshop</td>
<td>11:00 a.m.</td>
<td>12:30 p.m.</td>
<td>Pacific C</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Patient Safety Committee Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Nursing Section Research Committee Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 112</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Pediatrics Section Business Meeting</td>
<td>12:00 p.m.</td>
<td>1:00 p.m.</td>
<td>Room 252</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Adult Board Review Item Writing</td>
<td>12:30 p.m.</td>
<td>1:30 p.m.</td>
<td>Pacific C</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Industry and Technology Section Business Meeting</td>
<td>12:30 p.m.</td>
<td>1:30 p.m.</td>
<td>Room 270</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Physician Assistants Section Business Meeting</td>
<td>12:30 p.m.</td>
<td>1:30 p.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Carolinas/Virginias Chapter Business Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Nob Hill A/B</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Critical Care Societies Collaborative Leadership Meeting</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Ethics Committee</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Pacific E</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Neuromuscular Blockade Guideline</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Pacific F</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>SOCCA Board Meeting</td>
<td>1:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Pacific J</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Research Committee Business Meeting</td>
<td>2:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 114</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Pediatric Board Review Item-Writing Committee</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Pacific C</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Business Meeting</td>
<td>2:45 p.m.</td>
<td>4:15 p.m.</td>
<td>Room 252</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Postgraduate Education Committee Business Meeting</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 114</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Quality and Safety Committee</td>
<td>3:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 113</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>North Central Chapter Business Meeting</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>Willow</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>LearnICU Committee</td>
<td>3:30 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>ACCM Robing Room</td>
<td>5:00 p.m.</td>
<td>9:00 p.m.</td>
<td>Yerba Buena A/B</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>ACCM Convocation</td>
<td>6:30 p.m.</td>
<td>8:00 p.m.</td>
<td>Yerba Buena 8-9</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Surgery Section Reception</td>
<td>8:30 p.m.</td>
<td>10:30 p.m.</td>
<td>Yerba Buena 10</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td><strong>SUNDAY, JANUARY 12, 2014</strong></td>
<td></td>
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</tr>
<tr>
<td>SCCM/ESICM Leadership Meeting</td>
<td>7:30 a.m.</td>
<td>9:30 a.m.</td>
<td>Room 228</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Board of Regents</td>
<td>7:30 a.m.</td>
<td>11:00 a.m.</td>
<td>Nob Hill A/B</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Internal Medicine Section Program Directors Meeting</td>
<td>8:30 a.m.</td>
<td>9:30 a.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Surgery Section Business Meeting</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 270</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Research Committee Meeting</td>
<td>9:00 a.m.</td>
<td>10:15 a.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Benchmarking Committee</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Pacific H</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Respiratory Care Section Business Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 112</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Membership Committee Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 111</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Research Section Steering Committee Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 232</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>ACCM Town Hall</td>
<td>11:00 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 252</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Internal Medicine Section Intensivists in Practice Committee Meeting</td>
<td>11:00 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 113</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>ICU Design Award Committee Meeting</td>
<td>11:00 a.m.</td>
<td>1:00 p.m.</td>
<td>Room 114</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Past Presidents Luncheon</td>
<td>11:30 a.m.</td>
<td>1:00 p.m.</td>
<td>Room 110</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Research Section Business Meeting</td>
<td>12:00 p.m.</td>
<td>1:00 p.m.</td>
<td>Room 270</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>SCCM Business Meeting</td>
<td>1:00 p.m.</td>
<td>1:30 p.m.</td>
<td>Room 252</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>Tele-ICU Committee</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Pacific H</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>ACCM Business Meeting</td>
<td>1:30 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 252</td>
<td>Moscone Center South</td>
</tr>
<tr>
<td>ICU Liberation Initiative Task Force</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Pacific H</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>USCCMIT Winter Investigators Meeting</td>
<td>5:15 p.m.</td>
<td>7:00 p.m.</td>
<td>Nob Hill A</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>Anesthesiology Section Reception</td>
<td>6:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Nob Hill C/D</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td>NIH Critical Care Medicine Alumni Reception</td>
<td>6:00 p.m.</td>
<td>9:00 p.m.</td>
<td>Willow Room</td>
<td>San Francisco Marriott Marquis</td>
</tr>
<tr>
<td><strong>MONDAY, JANUARY 13, 2014</strong></td>
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</tr>
<tr>
<td>Council Meeting</td>
<td>7:30 a.m.</td>
<td>11:00 a.m.</td>
<td>Golden Gate A</td>
<td>San Francisco Marriott Marquis</td>
</tr>
</tbody>
</table>
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Exhibit Hall Information and Events

**Hours**
The Exhibit Hall at the Moscone Center South is open during the following hours:

- **FRIDAY, JANUARY 10**
  9:00 A.M. – 3:45 P.M.
- **SATURDAY, JANUARY 11**
  9:00 A.M. – 3:15 P.M.
- **SUNDAY, JANUARY 12**
  9:00 A.M. – 2:00 P.M.

**FUTURE CONGRESSES AND GIVEAWAY (BOOTH #930)**
Stop by to learn about the exciting locales to host the 2015, 2016 and 2017 Congresses. Mark your calendars and start planning for these premier critical care events. Also, pick up your gift for attending the 43rd Critical Care Congress.

**INTERNET ACCESS/COMPUTER STATIONS (CRITICAL CONNECTIONS CAFE)**
Catch up on work or keep in touch while you’re at Congress by checking your e-mail on site at the SCCM Critical Connections Cafe. Use a provided PC or bring your laptop to connect to the wireless Internet access available. These services are free of charge.

**REFRESHMENT BREAKS (EXHIBIT HALL)**
Complimentary refreshments will be available in the Exhibit Hall during the morning and afternoon breaks on Friday, January 10, Saturday, January 11, and Sunday, January 12 (no afternoon break in the hall). These breaks offer an excellent opportunity to visit the exhibitors between sessions.

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### Exhibitor-Sponsored Industry Education Workshops

**Exhibitor-Sponsored Industry Education Workshops**

**SATURDAY, JANUARY 11, 9:00 A.M. - 10:00 A.M.**

**Targeted Temperature Management – Translating Theory into a COOL Practice**
Sponsored by ZOLL

**Presenter:** Markus FOEDISCH, MD  
Waldkrankenhaus Bonn-Bad Goedesberg  
Bonn, Germany

Targeted temperature management (TTM) is being adopted for an increasing number of disease states and holds promise for emerging uses in clinical care. It is recommended by the American Heart Association for neuroprotection after cardiac arrest. However, practical questions still remain: How long for TTM is enough? How early to initiate therapy? Who to choose for TTM therapy? In this workshop, we’ll take on these questions and implications to your practice. Join us to learn more.

**SATURDAY, JANUARY 11, 12:15 P.M. - 1:15 P.M.**

**Targeted Temperature Management: Mechanisms and Practical Aspects**
Sponsored by Global Science Center for TTM - Bard Medical

**Presenters:**  
Neeraj BADJATIA, MD, MS, FCCM  
Department of Neurology  
University of Maryland School of Medicine  
Baltimore, Maryland, USA  
Mary Kay BADER, RN, MSN, CCNS, FAHA, FNCS  
Mission Hospital  
Mission Viejo, California, USA

This session will review the underlying mechanisms and physiological effects of targeted temperature management (TTM), including special considerations during hypothermia and controlled normothermia, such as thermoregulatory defense mechanisms, protocol development, buy-in and implementation of a program in the hospital system.

**SATURDAY, JANUARY 11, 2:15 P.M. - 3:15 P.M.**

**Targeted Temperature Management – Translating Theory into a COOL Practice**
Sponsored by ZOLL

**Presenter:** Markus FOEDISCH, MD  
Waldkrankenhaus Bonn-Bad Goedesberg  
Bonn, Germany

Targeted temperature management (TTM) is being adopted for an increasing number of disease states and holds promise for emerging uses in clinical care. It is recommended by the American Heart Association for neuroprotection after cardiac arrest. However, practical questions still remain: How long for TTM is enough? How early to initiate therapy? Who to choose for TTM therapy? In this workshop, we’ll take on these questions and implications to your practice. Join us to learn more.

The intensive care unit can be the site of many ethical controversies. Critical Care Ethics: A Practice Guide, Third Edition, explores thought-provoking ethical questions that critical care professionals must face in real-life situations.

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- artificial nutrition
- the ethics of drug shortages
- palliative care
- religious views of end-of-life care
- unique considerations regarding pediatric and neonatal care

The references and suggested readings that accompany each chapter will help the reader pursue further information.

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Publication year: 2014

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Website: www.aacn.org
The American Association of Critical-Care Nurses (AACN) joins together the interests of 500,000 acute and critical care nurses. The organization’s vision is to create a healthcare system driven by the needs of patients and their families in which acute and critical care nurses make their optimal contribution. AACN membership includes the benefits of free CE’s, discounted certification fees, award-winning journals, educational programs and products.

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Website: www.thoracic.org
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For details and requirements on sponsoring an FCCS, PFCCS or FDM course, visit [www.sccm.org/Fundamentals](http://www.sccm.org/Fundamentals) or contact the Hospital Relations Manager at +1 847 493-6401.
May is National Critical Care Awareness and Recognition Month (NCCARM). SCCM wants to see all the unique ways you TURN YOUR ICU BLUE during May. Share your NCCARM celebrations with us via Facebook, Twitter, YouTube, or e-mail.

GET CREATIVE: From blue attire and blue treats for staff or even blue balloons, there are a variety of ways to celebrate NCCARM this May.

SHARE YOUR CELEBRATIONS: Many ICUs hold educational symposia, staff recognition ceremonies, or special events during May tied to NCCARM. Turn these blue or let us know how your event went through pictures, videos or e-mails.

IN YOUR OWN WORDS: In recognition of your dedication, we want to know: “What does Right Care, Right Now™ mean to you?” Send us video, an e-mail, or post an answer on the SCCM Facebook wall. Responses will be collected and crafted into an inspirational message for the critical care community and those considering the profession.

WEAR BLUE: Keeping with the tradition of NCCARM, wear blue on Friday, May 16.

Visit www.sccm.org/nccarm for more easy ways to share.
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We encourage you to visit Covidien.com/RMS any time for more information on the full portfolio of respiratory and patient monitoring products.

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**As of October 21, 2013**

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**Edwards Lifesciences**
Booth #501
One Edwards Way
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Phone: +1 949 250-2500
Website: www.edwards.com/criticalcare

At Edwards, we strive to provide the hemodynamic information you need, how you need it. From the Swan-Ganz PAC, to FloTrac sensor, PreSep oximetry catheter and the EV1000 clinical platform - our goal remains: to provide the clarity you need, in order to advance the care of the critically ill.

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**European Society of Intensive Care Medicine**
Booth #526
Rue Belliard 19
Brussels 1040
Belgium
Phone: +32 02 559 0355
Website: www.esicm.org

The European Society of Intensive Care Medicine is an association of individual persons, founded in March 1982 in Geneva, Switzerland. It is a non-profit international association. The main goals of the ESICM are the advancement and promotion of knowledge in intensive care medicine, in particular the promotion of the highest standards of multidisciplinary care of critically ill patients and their families through education, research and professional development.

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**ExoStat Medical Inc.**
Booth #308
14162 Commerce Avenue NE
Prior Lake, MN 55372
United States
Phone: +1 952 855-4813
Website: www.exostatmedical.com

ExoStat Medical Incorporated is in the late stages of development of a carbon dioxide (CO₂) monitoring oximetry catheter and the EV1000 clinical platform (ELSO) is an international consortium of health care professionals who are dedicated to the development and evaluation of novel therapies for support of failing organ systems. ELSO maintains an extracorporeal membrane oxygenation registry which is used to support clinical research, regulatory agencies and ELSO centers.

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Phone: +1 781 948-8100
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Implementing the Surviving Sepsis Bundles in the Medical-Surgical Unit

Monday, January 13, 2014 • 9:30 a.m.-11:30 a.m. • Moscone Center South – Esplanade Ballroom

Accurate execution of the Surviving Sepsis Campaign (SSC) bundles is essential to the successful implementation of the SSC’s sepsis improvement efforts. A bundle is a selected set of elements of care distilled from evidence-based practice guidelines that, when implemented as a group, have an effect on outcomes beyond that of the individual elements. Using bundles simplifies the complex care of patients with severe sepsis. For details on bundle implementation, join us for this session to be held during the Society of Critical Care Medicine’s (SCCM) 43rd Critical Care Congress.

Moderator: R. Phillip DELLINGER, MD, MCCM

LEARNING OBJECTIVES
1. Discuss data collection and analysis for performance improvement
2. Identify how to create a team model of care among the emergency department, intensive care unit, and medical-surgery floor
3. Compare and contrast several different models of care
   - Data-Driven Feasibility
     Mitchell M. LEVY, MD, FCCM
   - Models of Care in the United Kingdom
     Andrew J. RHODES, MD
   - Models of Care in the United States
     Sean R. TOWNSEND, MD
   - Panel Discussion

The SSC is a joint collaboration of SCCM and the European Society of Intensive Care Medicine (ESICM) committed to reducing mortality from severe sepsis and septic shock worldwide.

The SSC has been supported by the Gordon and Betty Moore Foundation.

Visit www.survivingsepsis.org for more information.
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InTouch Health develops and manufactures the only Class II telemedicine remote presence medical devices that are FDA-cleared for active patient monitoring in high acuity clinical environments. These devices allow physicians to conduct reliable, real-time, remote consults from a single portal ranging from EDs, ICUs and procedure rooms to clinics and homes.

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Website: www.heartworks.me.uk

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ISICEM (34th International Symposium on Intensive Care and Emergency Medicine)
Booth #306
Route de Lenk 808
Hopital Erasme
1070 Brussels
Belgium
Phone: +32 2 555 47 57
Website: www.intensive.org

The objective of this four-day symposium is to review concepts and technology and present recent advances in the management of the critically ill patients. The symposium includes formal presentations as well as practical discussions such as tutorials, round tables, pro/con debates, “meet the experts”, etc. Original scientific posters will be also presented. The meeting is open to all physicians, nurses and other allied health professionals interested in intensive care and emergency medicine.

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Developed by the ACCM and approved by the Board of Regents and SCCM Council, these guidelines provide the essential recommendations, protocols and parameters for intensive care unit activities.

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Phone: +1 847 400-9180
Website: www.nanosphere.us
Nanosphere develops, manufactures and markets a molecular diagnostics platform, the FDA-cleared Verigene System, for infectious disease testing. This easy-to-use platform offers laboratories a convenient, simple, and cost-effective solution for highly sensitive nucleic acid. A growing menu of FDA-cleared tests for bloodstream infections, GI infections, and respiratory tract infections enables the delivery of comprehensive, accurate diagnostic information to guide timely clinical interventions.

Nestlé Health Science
Booth #1107
12 Vreeland Road
Florham Park, NJ 07932
United States
Phone: +1 973 593-7599
Website: www.nestlehealthscience.com
Nestlé Health Science offers nutritional solutions for people with specific needs related to illnesses, disease states or the special challenges of different life stages. Nestlé Health Science has worldwide headquarters in Vevey, Switzerland, and the North American headquarters of its HealthCare Nutrition business is in Florham Park, New Jersey.

NeuroLogica
Booth #516
14 Electronics Avenue
Danvers, MA 01923
United States
Phone: +1 978 564-8500
Website: www.neurologica.com
NeuroLogica, a subsidiary of Samsung Electronics Co., Ltd brings the power of innovative imaging to your patients. With a strong foundation of expertise in CT design, development and manufacturing, NeuroLogica transforms fixed CT technologies into portable platforms. Today, NeuroLogica’s imaging solutions are used throughout the world in intensive care units, neurosurgical operating rooms, emergency departments, stroke centers and other key clinical areas.

NeuroOptics, Inc.
Booth #705
2082 Michelson Drive
Suite 450
Irvine, CA 92612
United States
Phone: +1 949 250-9792
Website: www.neurooptics.com
Based in Irvine, California, NeuroOptics, Inc., provides devices that collect and process information from the human eye to facilitate medical decision-making and enable clinical research. The company offers the NPI™- 100 Pupillometer for Critical Care, as well as pupillometers for research and ophthalmology. For more information, visit www.NeuroOptics.com.

Nova Biomedical
Booth #1112
200 Prospect Street
Waltham, MA 02453
United States
Phone: +1 781 894-0800
Website: www.novabiomedical.com
Nova manufactures POC meters and blood gas/critical care analyzers. Validated in over 70 published studies throughout the world, lab-accurate StatStrip Glucose corrects for hematocrit, maltose, and other interferences that can cause erroneous results on other glucose meters. StatStrip Lactate provides rapid screening and monitoring of sepsis and hypoxia with results in 13 sec and only 0.6 µL of whole blood. Stat Profile pH/Cl analyzers measure up to 20 tests from 2 drops of whole blood in 2 min.
Acute cardiac conditions are becoming increasingly prevalent in critical care units. *Acute Cardiac Care: Selected Proceedings from the 10th Summer Conference in Intensive Care Medicine* focuses on acute cardiac care and how to effectively diagnose, manage, and treat cardiac complications in critically ill and injured patients. Based on presentations by experts in the field, this publication is a valuable resource for clinicians who must possess the knowledge required to provide high-quality care to patients with life-threatening cardiac conditions.

**$45 member / $57 nonmember**  
Product Code: CARDIACMONO

**Acute Cardiac Care On Demand**  
**$175 member / $225 nonmember**  
Product Code: CARDIACOD

**Save 10% when you purchase both the On Demand course and its companion book:**

**Acute Cardiac Care Bundle**  
**$205 member / $260 nonmember**  
Product Code: CARDIACBUND

To order these SCCM products, visit www.sccm.org/store, or contact SCCM Customer Service at +1 847 827-6888.
Exhibitor Listing

Novartis Pharmaceuticals
Booth #1118
1 Health Plaza
East Hanover, NJ 07936
United States
Website: www.us.novartis.com

On Call Medical Coats
Booth #1031
620 Franklin Avenue
Baltimore, MD 21221
United States
Phone: +1 410 574-2657
Website: www.medicalcoats.com

We offer the finest white coats available. We are not re-sellers of the mass-produced coats sold in uniform stores: we make our own coats, and we only sell direct to the profession. We offer a variety of fabrics in blends and 100% cottons, and we offer alterations of sleeve and hem length. We also offer options such as belts and cotton buttons, as well as embroidery of names and logos for practices and institutions. SCCM members receive special pricing for coats with the SCCM logo.

Otsuka America Pharmaceutical, Inc.
Booth #925
1 University Square Drive
Suite 500
Princeton, NJ 08540
United States
Phone: +1 800 562-3974
Website: www.otsuka-us.com

Otsuka America Pharmaceutical, Inc. (OAPI) is an innovative, fast-growing healthcare company that commercializes Otsuka-discovered and in-licensed products in the U.S. With a strong focus on neuroscience, oncology, cardio-renal and medical devices, OAPI is dedicated to improving patient health and the quality of human life. OAPI is part of the Otsuka Group companies. For more information, visit www.otsuka-us.com.

Pediatric Medical Group
Booth #703
1301 Concord Terrace
Sunrise, FL 33323
United States
Phone: +1 954 384-0175
Website: www.pediatrix.com

Pediatric Medical Group was founded in 1979 and now includes neonatal physicians who provide services at more than 340 neonatal intensive care units, who collaborate with affiliated maternal-fetal medicine, pediatric cardiology and pediatric intensivist physician subspecialists to provide a clinical care continuum. Combined, our affiliated professional corporations provide quality patient care in 34 states and Puerto Rico.

Philips Healthcare
Booth #517
3000 Minuteman Road
Andover, MA 01810
United States
Phone: +1 866 484-7428
Website: www.healthcare.philips.com/us_en/

Philips is dedicated to creating the future of healthcare and saving lives. We develop innovative solutions across the continuum of care in partnership with clinicians and our customers to improve patient outcomes, provide better value, and expand access to care. Our eICU program uses a proactive care model that addresses growing ICU staff shortages while dramatically improving care. Our ultrasound systems produce outstanding images that critical care professionals need for confident diagnosis.

Pronia Medical Systems
Booth #1100
7527 Beechspring Farm Boulevard
Louisville, KY 40241
United States
Phone: +1 845 641-7621
Website: www.proniamed.com

The GlucoCare IGC System is an FDA-approved insulin dosing calculator designed to minimize hypoglycemia while achieving target glucose levels within specified ranges. Multiple Yale-protocol-based target ranges are available including customizable ranges, hospital-designed transition to SQ and mealtime dosing protocols. GlucoCare has been used in >2000 patients with blood sugars <40 mg/dL of 0% and was most recently installed at Memorial Sloan-Kettering Cancer Center.

Pulmodyne, Inc.
Booth #1121
2056 Executive Drive
Indianapolis, IN 46241
United States
Phone: +1 317 246-5505
Website: www.pulmodyne.com

Pulmodyne® sets the bar by designing and manufacturing a wide variety of medical products for use in all airway markets. Our featured product is the Blom® Tracheostomy Tube System. Pulmodyne is a completely integrated ISO 13485 certified manufacturer with worldwide distribution.

Pulsion Medical Inc.
Booth #920
3781 Attucks Drive
Powell, OH 43065
United States
Phone: +1 214 446-8500
Website: www.pulsion.com

Pulsion Medical Systems has become one of the leading specialists for intelligent diagnosis and therapy management systems. The business unit Critical Care, covering intensive care medicine, preoperative medicine and emergency medicine, focuses on the management of cardiovascular and organ functions of critically ill patients. The business unit Perfusion is directed at the diagnosis and therapy management of organ and tissue perfusion in ophthalmology.

Questcare Intensivists, PLLC
Booth #1104
12221 Merit Drive
Suite 1610
Dallas, TX 75251
United States
Phone: +1 214 217-1900
Website: questcare.com

Questcare Intensivists is a physician owned and operated practice committed to practicing the highest quality of critical care medicine in an intensivist-led model of care. In collaboration with other medical and surgical specialists and nurses we promote a team approach that follows evidence-based guidelines focusing on patient safety and outcomes.

NEW EXHIBITOR

Rifton Equipment
Booth #1017
2032 Route 213
Rifton, NY 12471
United States
Phone: +1 845 658-7700
Website: www.rifton.com

Partnering with therapists around the world, Rifton has designed and manufactured rehab equipment for people with disabilities for almost four decades. The company is known throughout the industry for offering the most durable and the most adjustable equipment available. Intelligently engineered to provide quick, safe, dignified transfers and mobility, the Rifton TRAM features three functions in one device: seated transfers, sit-to-stand transfers, and supported ambulation.

Saunders/Mosby - Elsevier
Booth #425
1600 JFK Boulevard
Suite 1800
Philadelphia PA 19103
United States
Phone: +1 215 239-3491

ELSEVIER is a leading publisher of health science publications, advancing medicine by delivering superior reference information and decision support tools to doctors, nurses, health practitioners and students. With an extensive media spectrum -- print, online and handheld, we are able to supply the information you need in the most convenient format.
Communication with patients who are unable to speak is often challenging. Mechanical ventilation, hearing or speech limitations, language barriers, and other hurdles may stand in the way of providing optimal patient-centered care. Developed by Intensivists, the Patient Communicator from the Society of Critical Care Medicine (SCCM) is designed to help overcome these common barriers to facilitate better communication, which can be vital in reducing pain and anxiety and increasing satisfaction.

Features include:

- Translation capabilities that allow for two-way communication between patients and caregivers in 19 languages
- A diagram that allows patients to identify the location of pain, itching and nausea and a scale to express the intensity of these sensations
- More than 30 translatable phrases that allow patients to convey various needs related to their care and well-being

Stop by the Critical Connections Cafe during each break for a demonstration.

To download the app and for more information, visit www.sccm.org/PatientCommunicator.
Society of Critical Care Medicine - Future Congresses and Giveaway Booth
Booth #930
500 Midway Drive
Mount Prospect, IL 60056
United States
Phone: +1 847 827-6869
Website: www.sccm.org
Stop by to learn about the exciting locales to host the 2015, 2016 and 2017 Congresses. Mark your calendars and start planning for these premier critical care events. Also, pick up your gift for attending the 43rd Critical Care Congress.

SonoSite
Booth #601
21919 30th Drive Southeast
Bothell, WA 98021
United States
Phone: +1 416 580-0258
Website: www.sonomsite.com
FUJIFILM SonoSite, Inc., the world leader in bedside and point-of-care ultrasound, delivers solutions that meet the imaging needs of the medical community. With its acquisition of VisualSonics’ ultra high-frequency micro imaging technology, SonoSite continues to influence the future of medical ultrasound in both the clinical and preclinical markets.

Springer
Booth #1103
233 Spring Street
New York, NY 10013
United States
Phone: +1 212 460-1500
Website: www.springer.com
Springer is a leading global scientific publishing company, publishing more than 2,200 journals and 8,000 books yearly, with more than 120,000 eBooks available at link.springer.com. Visit Springer’s booth to see our publications in intensive care, critical care, and emergency medicine, including Intensive Care Medicine and International Journal of Emergency Medicine.

Teleflex
Booth #611
2400 Bernville Road
Reading, PA 19605
United States
Phone: +1 800 523-8446
Website: www.teleflexmedical.com
The ARROW® brand, offers a product range inspired by our goal of zero complications in vascular access. This includes protection against infection, thrombosis and malposition. New innovations include ARROW JACC with Chlorag+ and ARROW Tip Technology, a new CVC designed for use from the ICU to outpatient care, and the ARROW® VPS G4™ tip confirmation technology, designed to identify the optimal position for catheter tip location. Visit booth #611 to see our full line of vascular access innovations.

USCOM
Booth #815
820 Evergreen Avenue
Pittsburgh, PA 15209
United States
Phone: +1 314 313-7070
Website: www.uscom.com.au
Thermo Scientific
Booth #416
8365 Valley Pike
Middletown, VA 22645
United States
Phone: +1 800 232-3342
Website: www.thermoscientific.com/aboutsepsis
The Thermo Scientific brand is leading the way in development and manufacture of diagnostic reagents, assays, supplies, and instruments to determine disease markers or analytes of diagnostics interest. The B+R+H+M+S line of immunoasays facilitate earlier diagnosis of diseases and better control of therapy, thus enabling doctors to improve patient outcomes.

Twitter: www.twitter.com/AboutSepsis.
Facebook: www.facebook.com/AboutSepsis.

The Intensivist Group - A Cogent-HMG Affiliate
Booth #804
5410 Maryland Way
Suite 300
Brentwood, TN 37027
United States
Phone: +1 615 377-5648
Website: www.cogenthmg.com
Cogent Healthcare is the nation’s largest private hospitalist and intensivist company, partnering with more than 120 hospitals across the country to build and manage high-performing hospitalist and intensivist programs. Cogent Healthcare focuses on improving efficiency and quality of inpatient care, by supporting hospitalists and intensivists with technology and operational infrastructure, a coordinated clinical care team, data-driven processes, ongoing training and experienced leadership.

American Society for Clinical Pathology
Booth #717
200mage Avenue
Pittsburgh, PA 15209
United States
Phone: +1 800 655-2656
Website: www.ascp.org
ASCP is a leading global medical laboratory scientific organization and advocate for access to quality diagnostic laboratory services. ASCP offers mining, education, and professional resources to ensure the profession and the public receive the highest quality laboratory services.

The Intensivist Company
Booth #717
820 Evergreen Avenue
Pittsburgh, PA 15209
United States
Phone: +1 800 655-2656
Website: www.theintensivistcompany.com
The Intensivist Company is an ICU-centric services company offering expertise in critical care consulting, billing, and recruitment. Intensivist Billing provides billing services for hospital-based specialties, including customized reports and full electronic integration. Intensivist Consulting offers financial modeling, development, and implementation of Intensivist programs. Intensivist Jobs recruits physicians for hospitals, private physician groups, and institutions nationwide.

SonoSim
Booth # 831
3030 Nebraska Avenue
Suite 301B
Santa Monica, CA 90404
Phone: +1 314 313-7070
Website: www.sonomsite.com
SonoSim develops and markets state-of-the-art simulation training products for physicians, nurses, students and care providers who need to continually expand and improve their ultrasound skills. The company comprises leading ultrasound educators, computer-based instructional designers, content editors, computer engineers and scientists, and software developers. The company has a foundation of intellectual property that has enabled creation of an easy-to-use, low-cost, and portable ultrasound education and training solution. The company’s products allow learners to take control of how, when, and where they learn. The products are designed to make learning easy, effective, convenient, and engaging.

Teleflex
Booth #611
2400 Bernville Road
Reading, PA 19605
United States
Phone: +1 800 523-8446
Website: www.teleflexmedical.com
The ARROW® brand, offers a product range inspired by our goal of zero complications in vascular access. This includes protection against infection, thrombosis and malposition. New innovations include ARROW JACC with Chlorag+ and ARROW Tip Technology, a new CVC designed for use from the ICU to outpatient care, and the ARROW® VPS G4™ tip confirmation technology, designed to identify the optimal position for catheter tip location. Visit booth #611 to see our full line of vascular access innovations.

Springer
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233 Spring Street
New York, NY 10013
United States
Phone: +1 212 460-1500
Website: www.springer.com
Springer is a leading global scientific publishing company, publishing more than 2,200 journals and 8,000 books yearly, with more than 120,000 eBooks available at link.springer.com. Visit Springer’s booth to see our publications in intensive care, critical care, and emergency medicine, including Intensive Care Medicine and International Journal of Emergency Medicine.

SonoSite
Booth #601
21919 30th Drive Southeast
Bothell, WA 98021
United States
Phone: +1 416 580-0258
Website: www.sonomsite.com
FUJIFILM SonoSite, Inc., the world leader in bedside and point-of-care ultrasound, delivers solutions that meet the imaging needs of the medical community. With its acquisition of VisualSonics’ ultra high-frequency micro imaging technology, SonoSite continues to influence the future of medical ultrasound in both the clinical and preclinical markets.

Soconix USA Corporation
Booth #715
7100 Euclid Avenue
Suite 180
Cleveland, OH 44103
United States
Phone: +1 216 299-2040
Website: www.simionix.com
Simbionix, the world’s leader in medical simulation, offers designated training solutions for critical care trainees and practitioners. The U/S Mentor™, an ultrasound simulator featuring a Bedside Echo module; and the BRONCH Mentor™, offering an extensive bronchoscopy curriculum. Both platforms provide comprehensive hands-on training, incorporating captured metrics and objective assessment opportunity.

USCOM
Booth #815
340 S. Lemon Avenue
Suite 1071
Walnut, CA 91789
United States
Phone: +1 314 313-7070
Website: www.uscom.com.au
USCOM is a totally noninvasive, rapid and easy to use hemodynamic monitor with special applicability in fluid optimization and hemodynamic management of sepsis. Suitable for neonates through geriatrics, trending data assists the physician to guide therapies such as fluids, inotropes and vaso-active drugs. USCOM is portable, safe and accurate. No disposables ensure ongoing cost effectiveness and unlimited utilization.
Wear that you Care!

Show your pride in being a member with SCCM-branded apparel. From polo shirts to fleece jackets, sporting signature gear is an easy way to support and promote SCCM’s mission all year round.

The Society of Critical Care Medicine’s (SCCM) new online apparel store makes it easy to display your professional pride with this eye-catching collection of logo merchandise. Form and function stylishly coexist with the new gear, featuring durable lined microfiber windshirts to fight the winter chill, time-tested twill baseball caps, classic woven button-down shirts and more.

Breathe new life into your everyday clothing with a few custom twists: choose from a wide-variety of colorful, comfortable styles and sizes. Finally, add your personal touch by selecting the placement of SCCM logos.

Shop now at www.sccm.org/apparel and show off your true colors.
**Vapotherm**
Booth #409
22 Industrial Drive
Suite 1
Exeter, NH 03833
United States
Phone: +1 603 658-0477
Website: www.vtherm.com

Vapotherm High Flow Therapy provides ventilation support to treat patients with symptoms including dyspnea, hypercapnia and hypoxia. Precision Flow is an easy to use integrated system that delivers ideally conditioned gas through a nasal cannula at flow rates that wash out expiratory gas from the respiratory dead space to reduce breathing effort. Vapotherm HFT helps many patients in respiratory distress avoid mechanical ventilation and/or pressure-based ventilation support.

**Vision-Sciences, Inc.**
Booth #911
40 Ramland Road South
Orangeburg, NY 10962
United States
Phone: +1 845 365-0600
Website: www.visionsciences.com

Vision-Sciences provides advanced video and fiber-optic endoscopy systems with EndoSheath® Technology, the only sterile, disposable option for flexible endoscopy. With EndoSheath®, Bronchoscopy, the endoscope never comes in contact with the patient, providing an “Always Ready” bronchoscope. The sheath acts as a protective barrier between the scope and patient and is provided sterile, which assures a contaminant-free procedure, eliminating the need for expensive, time-consuming reprocessing.

**Zefon International Grip-Lok**
Booth #1020
5350 SW 1st Lane
Ocala, FL 34474
United States
Website: www.zefon.com

Zefon International Grip-Lok provides immediate vascular access for the delivery of essential medications and fluids, and is used by 90 percent of US advanced life support ambulances and over half of US emergency departments, as well as the US Military. The product is available in over 50 countries worldwide.

**Vidacare Corporation**
Booth #625
4350 Lockhill Selma Road
Suite 150
Shavano Park, TX 78249
United States
Phone: +1 210 375-8500
Website: www.vidacare.com

Vidacare’s first product, the EZ-IO® Intraosseous Infusion System, provides immediate vascular access for the delivery of essential medications and fluids, and is used by 90 percent of US advanced life support ambulances and over half of US emergency departments, as well as the US Military. The product is available in over 50 countries worldwide.

**Z-Medica**
Booth #821
4 Fairfield Boulevard
Wallingford, CT 06492
United States
Phone: +1 203 294-0000
Website: www.z-medica.com

Z-Medica, LLC is the innovator and manufacturer of QuikClot® products for hemostasis. QuikClot®, hemostatic dressings are impregnated with kaolin, a naturally occurring mineral. This comprehensive line of products for hemostasis includes QuikClot® 2x2™, 4x4™ QuikClot® Combat Gauze™, and QuikClot® Interventional™ and QuikClot® Radial™.

**Wolters Kluwer Health**
Booth #1115
Two Commerce Square
2001 Market Street
Philadelphia, PA 19103
United States
Phone: +1 215 521-8300
Website: www.lww.com

Lippincott Williams & Wilkins, a Wolters Kluwer Health company, is a leading international publisher for healthcare professionals and students, as well as the proud publisher of Critical Care Medicine, official journal of the Society of Critical Care Medicine. Please visit booth #1115 to browse our comprehensive product line.

**ZOLL Medical Corporation**
Booth #809
269 Mill Road
Chelmsford, MA 01824
United States
Phone: +1 978 421-9655
Website: www.zoll.com

ZOLL Medical Corporation, a leader in medical devices and software solutions, helps hospital professionals manage, treat and save lives while also increasing operational efficiency. ZOLL offers innovative, hospital-specific products for defibrillation, circulation, pacing, temperature management, fluid resuscitation and information management that strengthen the Chain of Survival and improve outcomes.
Evaluate your critical care unit in terms of personnel, organization and quality improvement processes with the Intensive Care Unit Resource, Evaluation, and Patient Outcomes Rating Tool (ICU REPORT). This easy-to-use online tool offers a multitude of assessment components designed to simplify your ICU’s data collection, extraction and debriefing systems.

In addition to reading materials, sample dashboards, data reports, charts, and worksheets, this product also includes the ICU Index, which provides a snapshot assessment of your ICU, enabling ICU directors, staff and hospital administrators to:

- Rapidly identify ICU strengths and weaknesses
- Highlight specific areas that would benefit from improvement
- Compare multiple staff perspectives, allowing teams to explore staffing, physician management, quality, and patient safety concerns.

$145 member / $190 nonmember
Product Code: ICUR2

Order online at www.sccm.org/store, or contact SCCM Customer Service at +1 847 827-6888.
The Society of Critical Care Medicine (SCCM) has been awarded a grant in support of its new initiative, Project Dispatch - Disseminating Patient-Centered Outcomes Research to Healthcare Professionals. The Agency for Healthcare Research and Quality (AHRQ) announced the award, marking the first time the Society has received federal funding in support of a program.

Project Dispatch aims to help fulfill the goals of the AHRQ by developing and distributing resources for critical care clinicians focused on patient-centered outcomes research. Among the goals of Project Dispatch are the development of a webcast and podcast series, a forum for networking and discussion, and resources to enhance the Society’s patient and family care website, www.MyICUCare.org.

To learn more about Project Dispatch, join us for this session to be held during SCCM's 43rd Critical Care Congress.

Moderator: Ruth M. KLEINPELLE, RN-CS, PhD, FCCM

LEARNING OBJECTIVES
1. Discuss strategies for integrating patient-centered outcomes research into clinical practices in the ICU
2. Highlight several initiatives that have successfully promoted patient- and family-centered care in the ICU and which serve as examples of applying patient-centered outcomes research in clinical practice

- Training the Whole Team to Enhance Family Communication in the ICU
  Judy E. DAVIDSON, RN, CNS, DNP, FCCM
- Transforming Care: Developing a Patient-Centered ICU
  Lena M. NAPOLITANO, MD, FCCM
- Summary and Next Steps to Promoting Patient- and Family-Centered Care as a Standard of Care in the ICU
  Timothy G. BUCHMAN, MD, PhD, MCCM

Visit www.sccm.org/ProjectDispatch for more information.
## Exhibitor Aisle Listing

<table>
<thead>
<tr>
<th>Company</th>
<th>Booth #</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aisle 300</strong></td>
<td></td>
</tr>
<tr>
<td>Extracorporeal Life Support Organization (ELSO)</td>
<td>300</td>
</tr>
<tr>
<td>Mindray North America</td>
<td>301</td>
</tr>
<tr>
<td>American Thoracic Society</td>
<td>304</td>
</tr>
<tr>
<td>ISICEM (34th International Symposium on Intensive Care and Emergency Medicine)</td>
<td>306</td>
</tr>
<tr>
<td>American Association of Critical-Care Nurses</td>
<td>307</td>
</tr>
<tr>
<td>ExoStat Medical Inc.</td>
<td>308</td>
</tr>
<tr>
<td>Inspire CCM</td>
<td>313</td>
</tr>
<tr>
<td><strong>Aisle 400</strong></td>
<td></td>
</tr>
<tr>
<td>Centurion Medical Products</td>
<td>406</td>
</tr>
<tr>
<td>Vapotherm</td>
<td>409</td>
</tr>
<tr>
<td>Inventive Medical Ltd.</td>
<td>412</td>
</tr>
<tr>
<td>GAMBRO</td>
<td>415</td>
</tr>
<tr>
<td>Thermo Scientific</td>
<td>416</td>
</tr>
<tr>
<td>Saunders/Mosby - Elsevier</td>
<td>425</td>
</tr>
<tr>
<td><strong>Aisle 500</strong></td>
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<tr>
<td>Edwards Lifesciences</td>
<td>501</td>
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<tr>
<td>Masimo</td>
<td>509</td>
</tr>
<tr>
<td>BiO₂ Medical, Inc.</td>
<td>514</td>
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<td>Kadlec Regional Medical Center</td>
<td>515</td>
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<td>NeuroLogica</td>
<td>516</td>
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<td>Philips Healthcare</td>
<td>517</td>
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<tr>
<td>McMahon Publishing Group</td>
<td>520</td>
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<tr>
<td>Instrumentation Industries, Inc.</td>
<td>524</td>
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<tr>
<td>Forest Pharmaceuticals, Inc.</td>
<td>525</td>
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<td>European Society of Intensive Care Medicine</td>
<td>526</td>
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<tr>
<td><strong>Aisle 600</strong></td>
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<tr>
<td>SonoSite</td>
<td>601</td>
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<tr>
<td>Teleflex</td>
<td>611</td>
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<tr>
<td>Hamilton Medical, Inc.</td>
<td>614</td>
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<tr>
<td>Medical Simulation Corporation</td>
<td>616</td>
</tr>
<tr>
<td>CIVCO Medical Solutions</td>
<td>617</td>
</tr>
<tr>
<td>Bard Access Systems</td>
<td>618</td>
</tr>
<tr>
<td>Cleveland Clinic Abu Dhabi</td>
<td>619</td>
</tr>
<tr>
<td>Astute Medical</td>
<td>621</td>
</tr>
<tr>
<td>VidaCare Corporation</td>
<td>625</td>
</tr>
</tbody>
</table>

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<tr>
<td><strong>Aisle 700</strong></td>
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<tr>
<td>AMT</td>
<td>701</td>
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<tr>
<td>Pediatric Medical Group</td>
<td>703</td>
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<tr>
<td>NeuroOptics, Inc.</td>
<td>705</td>
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<td>Cheetah Medical Inc.</td>
<td>709</td>
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<td>Simbionix USA Corporation</td>
<td>715</td>
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<tr>
<td>ARC Medical, Inc.</td>
<td>716</td>
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<tr>
<td>The Intensivist Company</td>
<td>717</td>
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<tr>
<td>CSL Behring</td>
<td>720, 721</td>
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<tr>
<td>GE Healthcare</td>
<td>725</td>
</tr>
<tr>
<td><strong>Aisle 800</strong></td>
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<tr>
<td>Abbott Nutrition</td>
<td>800</td>
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<tr>
<td>MAQUET Medical Systems USA</td>
<td>801</td>
</tr>
<tr>
<td>The Intensivist Group - A Cogent-HMG Affiliate</td>
<td>804</td>
</tr>
<tr>
<td>ZOLL Medical Corporation</td>
<td>809</td>
</tr>
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A must-have text for professional coders, hospital administrators, physicians, nurse practitioners, and physician assistants, Coding and Billing for Critical Care: A Practice Tool, Fifth Edition, explains the complexities of critical care coding and billing and offers a better understanding of these administrative procedures. This edition encompasses the 2013 Current Procedural Terminology (CPT®) changes, with expanded data tables and revised coding information for bedside ultrasound.

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August 17-18, 2014  
Fairmont Chicago, Millennium Park  
Chicago, Illinois, USA

**With the power of visual medicine, you can make faster, better-informed clinical decisions that can improve patient outcomes.**

The Society of Critical Care Medicine’s (SCCM) two-day comprehensive course will provide the realistic training needed to perform and interpret ultrasound imaging.

Benefit from guided, focused skill stations, featuring live models and interactive presentations to reinforce key learning points. Extensive faculty coverage ensures a significant hands-on experience for each participant.

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- Lung Ultrasound
- Echocardiographic Approach to Shock
- Hypovolemia and Volume Responsiveness
- Hemodynamic Measurements and Systolic Function
- Vascular Access and Non-Vascular Procedures

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**Advanced Critical Care Ultrasound**

August 19, 2014  
Fairmont Chicago, Millennium Park  
Chicago, Illinois, USA

**Topics to be covered include:**
- Advanced Hemodynamic Measurements
- Left Ventricular Systolic Function (Quantitative and Semi-Quantitative)
- Lung Ultrasound (Pulmonary Edema)
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Features:
- Virtually scan real patient ultrasound cases comprising a myriad of pathologies.
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- Obtain probe-positioning guidance to assist psychomotor skill development.
- Experience the tactile sensation of using an actual ultrasound probe to scan a patient, resulting in authentic and life-like training.

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The library never closes and is accessible from a variety of devices. LearnICU’s clinical knowledge base is available 24 hours a day. Because the site can be accessed using a smartphone or tablet, it’s also available wherever you have a connection to the Internet.

Collaborative and Collegial
LearnICU combines the flow of clinical information with social tools that allow clinicians to share and collaborate with one another. Each knowledge area is overseen by an expert who facilitates discussion and curates contributions. Participants can also share content with their own social networks via integration with Facebook and Twitter.

Enhanced for Members
SCCM members have access to enhanced content and the complete library of knowledge, including guidelines, archived presentations from SCCM’s live events, select book chapters, and all articles from Critical Care Medicine and Pediatric Critical Care Medicine expertly indexed to the proper knowledge area.

Visit www.LearnICU.org and Log In to See All the Available Resources.
Save 20% when you purchase both the On Demand course and its companion textbook.

Each year, the Society of Critical Care Medicine’s (SCCM) popular Congress pre-course, Current Concepts in Adult Critical Care, delivers the latest clinical information on the management of adult patients in the intensive care unit.

The 2014 course featured the following topics:
- Complications of Surgery: The Perspective of the Injured Kidney
- Optimizing Sedation and Analgesia and the Role of Neuromonitoring
- Managing Morbidity of the Cardiac Surgical Patient
- Ethics in the ICU: A Primer

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Each year, the Society of Critical Care Medicine’s (SCCM) popular Congress pre-course, Current Concepts in Pediatric Critical Care, delivers the latest clinical information pertaining to pediatric patients in the intensive care unit.

The 2014 course featured the following topics:
- Applications of Dexmedetomidine in the Pediatric ICU and Beyond
- Procedural Sedation Beyond the Pediatric ICU
- Non-Invasive Ventilation: Balancing Risks and Benefits
- Delirium in the Pediatric ICU

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