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As the leading high-tech center driving innovation, Silicon Valley is the model for how new technologies are imagined and developed for use globally.

This model requires visionaries to generate ideas and courageous leaders to invest in those ideas. When the right people come together in one place, ideas become reality.

The Society of Critical Care Medicine’s 43rd Critical Care Congress will be a powerhouse of creative and inspirational ideas for the critical care field.

We invite you to join nearly 5,000 critical care clinicians in San Francisco, where innovation will meet at the intersection of technology and medicine. 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.

Registration opens June 2013 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 42nd Critical Care Congress:

**Platinum**

Hospira

*Advancing Wellness*

Booth #901

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The Congress educational program is made possible through independent medical education grants from the following supporters:
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Scan the QR code or visit www.sccm.org/ccc42app.
Message from the Leadership

Welcome to San Juan and to the Society of Critical Care Medicine's (SCCM) 42nd Critical Care Congress.

We are excited to welcome you to beautiful Puerto Rico for the Society of Critical Care Medicine’s (SCCM) 42nd Critical Care Congress. The focus of the 2013 Congress is “Promoting Healthy Environments.” Evidence suggests that healthy work environments contribute to reductions in medical errors, more effective delivery of care and less conflict among health professionals. We hope that Congress will inspire you to implement new environmental health principles that will create healthier, safer work environments, and lead to better patient outcomes.

As the largest meeting of critical care professionals, we know you come with high expectations. You have juggled work schedules and other commitments to be here. We plan to meet and exceed your expectations by providing a quality meeting with a perfect balance of education and rejuvenation. We hope you will take advantage of all Congress has to offer, whether it means stopping in the Exhibit Hall to learn more about the latest technologies from our industry partners, or attending oral presentations where select abstracts will be examined in detail. As always, this year’s meeting is packed full of expert speakers discussing the latest research and ideas as well as networking and socializing activities.

This year’s meeting marks the release of many new and updated resources. Among these items is the third edition of the Surviving Sepsis Campaign Guidelines, International guidelines for management of severe sepsis and septic shock, jointly published by the Society of Critical Care Medicine and the European Society of Intensive Care Medicine. The new edition offers revised bundles and enhanced resources including a new brand. With these accomplishments, we encourage clinicians to renew their commitment to the goals set in 2002; to further reduce mortality from sepsis worldwide and to provide the imperative for healthcare providers to improve the care and outcomes of septic patients.

Finally, we invite you to mark a special milestone within SCCM. The American College of Critical Care Medicine (ACCM), will celebrate its 25th anniversary with a poolside reception at the Caribe Hilton on Monday, January 21, 2013, immediately after the Convocation ceremony. The ACCM recognizes excellence in critical care through Fellowship, develops guidelines and provides a consultative body possessing recognized expertise. Convocation is always a favorite event, as it allows attendees to mingle with colleagues and friends, while recognizing the accomplishments of fellow critical care professionals. This year’s reception is a unique opportunity to celebrate the history and future of this distinguished body.

We would like to extend a special thanks to the Creative Community who have volunteered their valuable time to help make these various projects become a reality. Through its dedication and commitment to the Society, we continue to produce a wide-range of unique programs and products that impact the care of all critically ill and injured patients.

We hope that you will have ample opportunity to rejuvenate and enjoy this tropical setting while also expanding your knowledge and improving your ability to provide the best possible care to all critically ill and injured patients.

Clifford S. DEUTSCHMAN, MS, MD, FCCM
Professor of Anesthesiology and Critical Care and Surgery
Director, Sepsis Research Program
Perelman School of Medicine at the University of Pennsylvania
Philadelphia, Pennsylvania, USA

David J. MARTIN, CAE
Chief Executive Officer/ Executive Vice-President
Society of Critical Care Medicine

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 Juan, Puerto Rico, 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. All International Delegates are invited to the International Reception, to be held on Tuesday, January 22, 2013, from 4:00 p.m. to 6:00 p.m. poolside at the Sheraton Puerto Rico Hotel and Casino.
Nearly one out of 23 patients in U.S. hospitals had sepsis in 2009.¹ 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 the 42nd Critical Care Congress, January 20-22, booth #1206.

Procalcitonin (PCT)


To learn more about sepsis and medical advances, visit thermofisher.com/aboutsepsis, the Facebook fan page About Sepsis, and the Twitter handle @AboutSepsis.

Please visit us at booth #1206 for information on tools for early sepsis management and strategies to drive changes in sepsis practices and policies.
Message from the Co-Chairs

Dear Colleague,

Thank you for joining us in San Juan, Puerto Rico, where turquoise waters and pastel facades form a breathtaking backdrop for the Society of Critical Care Medicine’s (SCCM) 42nd Critical Care Congress. The diverse and fascinating ecosystems waiting to be discovered in this tropical locale are reminiscent of the innovative and collaborative nature of Congress.

The focus of the 2013 Congress is “Promoting Healthy Environments.” Research shows that practice environments greatly influence many factors that affect both the provider and patient. The 2013 Congress content will shed light on new environmental health principles that can be integrated into patient care and used to create healthier, safer work environments.

The next five days will provide an array of unique opportunities to make valuable connections and draw diverse perspectives from all members of the multiprofessional critical care team. 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 in this exotic Caribbean setting. Take advantage of this distinct opportunity to expand your critical care knowledge and enhance the care you deliver to patients.

Samuel A. TISHERMAN, MD, FCCM
Professor of Critical Care Medicine and Surgery
Director, Multidisciplinary Critical Care Training Program
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania, USA

Andrew L. ROSENBERG, MD
Chief Medical Information Officer
University of Michigan Health System
Ann Arbor, Michigan, USA
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Take a tropical ambience, pair it with a state-of-the-art infrastructure. Add in historic sites, award-winning restaurants, and outdoor activities and you’ve got your smoothest meeting ever. Puerto Rico offers more than 1.3 million square feet of meeting space and nearly 15,000 hotel rooms with top-name accommodation choices in every price range. It’s the perfect blend of old world and the very latest. The Puerto Rico Convention Bureau helps you put it all together. Call 800-875-4765 or 787-725-2110.

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¡Bienvenidos!

The Puerto Rico Convention Bureau is proud to welcome the Society of Critical Care Medicine to Puerto Rico for the 2013 Congress.

Over the next few days, you’ll meet with critical care colleagues from around the globe. You’ll attend educational seminars, plenary sessions, panel discussions and abstract presentations at the Puerto Rico Convention Center Pedro Rosselló. A world class convention facility, the Center is securing LEED certification for sustainability, energy efficiency and providing healthy environments for group gatherings.

During your stay, we hope you’ll take time to explore all that Puerto Rico has to offer. With tours of the El Yunque Rainforest, snorkeling, scuba and zip lining adventures, as well as walking tours of Old San Juan and more, there’s so much to choose from to make your experience and time here in Puerto Rico unlike any other.

Thank you for choosing San Juan, Puerto Rico. We are honored to have you and wish you an enjoyable, productive and memorable congress.

¡Saludos!

Neil J. Mullanaphy  
Acting President & CEO  
Puerto Rico Convention Bureau
Pain, agitation, and delirium (PAD) are common occurrences in adult intensive care unit (ICU) patients. Clinicians often struggle with how to optimally manage these conditions without jeopardizing patient outcomes. This symposium will explore how an integrated, interdisciplinary, and evidence-based approach may result in significant and synergistic benefits to ICU patient care. Expert faculty will identify the new strategies within the PAD guidelines, describe effective implementation strategies and evaluate performance metrics.

**PROGRAM**

**New Strategies for Preventing and Treating Pain, Agitation, and Delirium in ICU Patients**

Aaron M. JOFFE, DO  
University of Washington Harborview Medical Center  
Seattle, Washington, USA

**An Integrated Approach to Implementing the Pain, Agitation, and Delirium Clinical Practice Guidelines**

Juliana BARR, MD, FCCM  
Veterans Affairs Palo Alto Health Care Systems  
Palo Alto, California, USA

**Performance Metrics**

Judy E. DAVIDSON, RN, CNS, DNP, FCCM  
Director, Research Integration and Management  
Scripps Clinical Research Center  
La Jolla, California, USA

Attend this CME/CE-accredited educational symposium held during the Society of Critical Care Medicine’s 42nd Critical Care Congress. Space is limited. Seating is on a first-come, first-served basis.

Monday, January 21, 2013  
3:30 p.m. - 5:00 p.m.  
Puerto Rico Convention Center  
San Juan, Puerto Rico
42nd Critical Care Congress Co-Chairs

**Andrew L. ROSENBERG, MD**
University of Michigan
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Ann Arbor, Michigan, USA

**Samuel A. TISHERMAN, MD, FCCM**
University of Pittsburgh
Medical Center
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  School of Medicine
  Philadelphia, Pennsylvania, USA

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Calling All 43rd Critical Care Congress Abstracts!

Make your contribution to the advancement of critical care by submitting your original investigative research and case reports for the 43rd Critical Care Congress. If accepted, your work will be on display throughout Congress, which will be held January 9 to 13, 2014. 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 for complete details on submission guidelines and categories.

- Abstracts will be accepted from May 1, 2013 to 12:00 p.m. Central Time on August 3, 2013.

▲ January 9-13, 2014
▲ Moscone Center
▲ San Francisco, California, USA
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Co-director of the Surgical Intensive Care Units at Johns Hopkins University School of Medicine
Johns Hopkins Medical Institutions
Baltimore, Maryland, USA

2012-2013 Executive Committee and Council
Explore San Juan

From the breathtaking sunsets and shimmering beaches, to the ancient caves and cool, mountainous, subtropical rainforests, Puerto Rico provides a vast canvas of diverse environments and unrivaled natural wonders. SCCM is offering the following organized tours:

**Sign up for tours at the Registration Desk on the first floor of the Puerto Rico Convention Center.**

**Bacardi Tour with Shopping in Old San Juan**
The day will begin with a trip to Old San Juan, followed by transportation to the Bacardi Visitor’s Center to experience the creation, smells and taste of Bacardi rum.

**Bio-Bay Kayaking**
Explore the top bioluminescent waters in the world. Beginning at sunset, this tour will take you to the fascinating lagoon at Las Cabezas de San Juan. You will kayak across Las Croabas Bay, through a winding mangrove river, and finally into the bio-bay.

**Campo Rico Zip-Lining Adventure**
Kayak around formations of the karst mountains. Upon hiking to the top, you will experience the first of three exhilarating zip lines, one being the longest in Puerto Rico!

**Catamaran Sail and Snorkel with Buffet Lunch**
Set sail aboard a catamaran for a delightful day experiencing Puerto Rico’s abundant living coral reefs. Lunch buffet is aboard the catamaran.

**Old San Juan Historical Walking Tour with Shopping**
Come spend the day shopping in Old San Juan, the oldest city in the United States.

**Rainforest Hiking Tour**
Experience the breathtaking views of feathery ferns, ropelike vines, miniature orchids, and 240 different species of trees. Lunch will be provided at a nearby restaurant after the hike.

**Scuba Diving**
The Escambrón Marine Park is an excellent shore dive site for beginners, where a fun-filled fish feeding experience is included. This dive is also a great opportunity for experienced divers to explore interesting caves and caverns.
Arginine, omega-3 fatty acids, and dietary nucleotides have been shown to be beneficial in disease states with a significant inflammatory response. This symposium will explore how appropriate nutrient choices in the perioperative period may improve clinical outcomes including risk of hospital-acquired infection, wound complications, and length of stay. Topics will include a historical overview of the seminal studies in immunonutrition, mechanisms of omega-3 fatty acids in inflammation, and the clinical and economic benefits of immunonutrition as a therapeutic strategy for surgical patients.

Program

Immunonutrition: A Historical Perspective and Current Recommendations
Ainsley MALONE, MS, RD, CNSD
Mount Carmel West Hospital
New Albany, Ohio, USA

Fish Oil in Critical Illness: Mechanisms and Clinical Applications
Paul WISCHMEYER, MD, PhD
University of Colorado At Denver School of Medicine
Aurora, Colorado, USA

The Impact of Immunonutrients in Surgical Patients
Robert MARTINDALE, MD, PhD
Oregon Health and Science University
Portland, Oregon, USA

Attend this CME/CE-accredited educational symposium held during the Society of Critical Care Medicine’s 42nd Critical Care Congress. Space is limited. Seating is on a first-come, first-served basis.
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. Come celebrate ACCM’s 25th anniversary during SCCM’s 42nd Critical Care Congress.

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 of 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.

Become a Fellow of the American College of Critical Care Medicine
SUNDAY, JANUARY 20, 2013
3:45 P.M. – 4:45 P.M.
CONVENTION CENTER
ROOM 102

Attend this year’s informative session to obtain details on joining your colleagues as a Fellow of this distinguished body. You can also stop by SCCM Central to obtain an application or contact Carol Prendergast at cprendergast@sccm.org. Applications are due March 15, 2013.

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. Contact Colette Punda at cpunda@sccm.org to obtain the award criteria. Nominations are due April 15, 2013.

ACCM Convocation and SCCM Awards Ceremony
MONDAY, JANUARY 21, 2013
4:30 P.M. – 6:00 P.M.
CARIBE HILTON HOTEL
SAN GERONIMO BALLROOM

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.

Martha A.Q. Curley, RN, PhD, will receive the 2013 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. Curley and plan on attending her address, “The Nature of Critical Care Nursing Science.”

ACCM 25th Anniversary Celebration
MONDAY, JANUARY 21, 2013
6:00 P.M. – 9:00 P.M.
CARIBE HILTON HOTEL
POOLSIDE

Don’t miss the ACCM’s anniversary celebration, to be held immediately following the ACCM Convocation ceremony. Connect with friends, colleagues, and members of the ACCM as it celebrates this milestone.

ACCM Business Meeting
TUESDAY, JANUARY 22, 2013
1:45 P.M. – 2:15 P.M.
CONVENTION CENTER
ROOM 102

The leadership of the American College of Critical Care Medicine will announce election results for the 2013-2014 Board of Regents and summarize the activities of the ACCM over the past year. This is a great opportunity to meet with members of the Board and network with ACCM Fellows.

ACCM Town Hall
TUESDAY, JANUARY 22, 2013
2:30 P.M. – 4:00 P.M.
SHERATON PUERTO RICO HOTEL AND CASINO
BAHIA ROOM

Sesiones en este cuarto serán traducidas del Inglés al Español. All Congress attendees are invited to attend the ACCM’s Town Hall where this year’s topic will be “Delivery of Medical Care to Critically Ill Patients in Latin America.” Presenters include Edgar J. Jimenez, MD, FCCM, Critical Care in Central and South America; Enrique Ginzburg, MD, Care of Critically Ill Patients After the January 12, 2010, Earthquake in Haiti; and Alvaro Sosa Acosta, MD, Medical Emergencies in Central America: First Response. Don’t miss this interesting discussion! This session will be translated.
Don’t miss the American College of Critical Care Medicine’s (ACCM) 25th Anniversary celebration, to be held from 6:00 p.m. to 9:00 p.m. on Monday, January 21, 2013, at the Caribe Hilton, immediately following the ACCM Convocation/SCCM Awards Ceremony. All Congress attendees and registered guests are welcome.

Note: due to the logistics required to set up and host this event, the main pool and beach will be closed on Sunday, Monday and Tuesday. The hotel’s Villa Pool will be available as an alternative during this time.

Buses will return to all SCCM Congress hotels from the ACCM Convocation and 25th Anniversary Celebration at the Caribe Hilton between 5:45 p.m.- 9:30 p.m.
Integrating Nurse Practitioners & Physician Assistants Into the ICU

Strategies for Optimizing Contributions to Care

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.

Transitioning from Training to Your First Job

Sunday, January 20, 2013 • 3:00 p.m. - 5:00 p.m.
Sheraton Puerto Rico Hotel and Casino • San Juan 5-8

PROGRAM

MODERATOR: LAURA A. WATKINS
> Career Profiles within Critical Care
  J. Perren COBB
> Leadership Development and Negotiations
  Manu MALHOTRA
> Critical Care Reimbursement
  Todd DORMAN
> Navigating Your Transition Into Practice
  James A. PAPPAS

LEARNING OBJECTIVES

• Discuss career pathways after critical care training
• Examine negotiations and dissipation of conflicts to become an effective leader
• Assess reimbursement issues in critical care
• Identify ways to save in the current economy
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.
Become a Member of the Only Multiprofessional Critical Care Organization

Special SCCM member benefits include:

► 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

**Special Offer* for Critical Care Congress Attendees:**

► **$270 for Physicians** (regular rate: **$370**)
► **$115 for Healthcare Professionals** (regular rate: **$160**)
► **$155 for International Physicians** (regular rate: **$255**)

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

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

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

Mission

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

Become a member today and get FREE subscriptions to *Critical Care Medicine* and *Critical Connections*—the go-to resources for dedicated experts like you.
### Personal Information

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### Certifications

**Board Certification(s)/License(s) & Year:**

**Subspecialty Board & Year:**

### In-Training (required if currently enrolled in training program)

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### Specialty Sections

Membership in SCCM includes the option to join up to three specialty sections.

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

* Please note that Pediatric Section membership has an associated fee of $131 U.S., which includes a subscription to Pediatric Critical Care Medicine.

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

### Demographic

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### Payment Information

**Annual Dues**

- Add $131 U.S. if Pediatric Section membership selected.
- Add $45 U.S. if Chapter membership selected.

**Total Enclosed $______ U.S.**

**Charge to:**

- American Express
- Discover
- MasterCard
- Visa

**Card Number**

**Expiration Date**

**Cardholder Name**

**Signature**

**Date**

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**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
Popular Events and Sessions

Fellowship Directors’ Luncheon
Critical care fellowship program directors are invited to participate in the Fellowship Directors’ Luncheon, to be held Monday, January 21, 2013, from 12:00 p.m. to 1:30 p.m., in the Bahia Room at the Sheraton Puerto Rico Hotel and Casino. This year’s luncheon will provide the latest information on critical care education, and the impact of mid-level healthcare providers on physician training. A panel of experts will be available to offer a diverse range of perspectives.

ACCM 25th Anniversary Celebration
Don’t miss the American College of Critical Care Medicine’s (ACCM) 25th Anniversary Celebration, to be held from 6:00 p.m. to 9:00 p.m. on Monday, January 21, 2013, at the Caribe Hilton, immediately following the ACCM Convocation. All Congress attendees and registered guests are welcome.

Exhibit Hall
With more than 150 exhibiting companies showcasing the latest technologies, products, services and career opportunities available to critical care practitioners, the Exhibit Hall is the perfect place to network with industry colleagues who share your passion for improving care for the critically ill and injured.

Abstract Presentations and Poster Hall Events

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

Oral Presentations
Oral presentations will be scheduled, unopposed, for two hours on Sunday, January 20, 2013. These presentations will highlight the top 64 abstracts submitted.

Poster Discussions and Abstract Awards Presentations
Interact and discuss original scientific research findings with abstract authors in the Poster Hall, which will be open Sunday, January 20, through Tuesday, January 22, 2013. Winners of SCCM’s abstract-based awards will be recognized during a ceremony on Tuesday, January 22, 2013.

Professor Walk Rounds
Select poster presentations will be assigned by topic to noted faculty and other experts who will facilitate the exchange of ideas and commentary between younger scientists and established clinicians. Presentations will be scheduled at unopposed times Sunday, January 20, through Tuesday, January 22, 2013.

Afternoon Symposia
Learn about clinical breakthroughs and advances that lead to better patient care during the stimulating discussions of afternoon symposia. Each session is presented by leading experts in critical care and offers a thorough analysis of the developments and controversies affecting most intensive care unit environments. These industry sessions are complimentary for all Congress registrants and no additional registration is needed to attend.

Plenary Sessions

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:

William Shoemaker Honorary Lecture
Critical Care in the Era of Health Reform: Leading the Way to Outstanding Patient Outcomes
Alfred F. CONNORS Jr., MD
Chief Medical Officer
Senior Vice President, Medical Affairs
The MetroHealth System
Cleveland, Ohio, USA

Ake Grenvik Honorary Lecture
Conflict of Interest in Medical Research
Catherine DeANGELIS, MD, MPH
Professor of Pediatrics
Johns Hopkins University School of Medicine
Baltimore, Maryland, USA

Lifetime Achievement Award Winner
Tough Problem: New Therapies for Sepsis or Shock
Mitchell P. FINK, MD, FCCM
Vice Chair for Critical Care
Department of Surgery
Professor
David Geffen School of Medicine at UCLA
Ronald Reagan UCLA Medical Center
Los Angeles, California, USA

Max Harry Weil Memorial Lecture
Bedside in the ICU: Knowing What to Do and Who to Believe
Brian P. KAVANAGH, MB, FRCPC
Chair - Department of Anesthesia
University of Toronto
Professor of Anesthesia, Medicine and Physiology
University of Toronto Dr. Geoffrey Barker Chair
Department of Critical Care Hospital for Sick Children
Toronto, Ontario, Canada

Herbert LEVIN, PhD
Professor of Bioengineering
Director, Center for Theoretical Biological Physics
Cancer Prevention and Research Institute of Texas
Austin, Texas, USA

Peter Safar Memorial Lecture
2013: An ICU Odyssey
Mervyn SINGER, MD
Clinical Professor of Intensive Care Medicine
Wolfson Institute of Biomedical Research
Department of Medicine, Cruciform Building
London, United Kingdom
SCCM Central presents a whole world of critical care resources in a single, one-stop venue. Please visit booth #926 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 SCCM Central to take advantage of the special introductory membership offer for attendees of the 42nd Critical Care Congress: $115 for Healthcare Professionals, $270 for Physicians and $155 for International Physicians. For your convenience, a membership application is located on page 8. 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 14 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 SCCM Central.

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.

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 SCCM Central to learn more about the courses, locations, instructor criteria, and course sponsorship and pricing.

Career Central
Let the networking strength of SCCM help you in today’s job marketplace. Career Central is the perfect online tool for both employers and job seekers looking to increase exposure within a targeted critical care audience. A member of the SCCM staff will be available to demonstrate our newly launched system that integrates with hundreds of other online career portals in the healthcare community.

Prize Drawing
Take advantage of six chances to win an Apple iPad® Mini during Congress. Be sure to have your badge scanned at SCCM Central 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 SCCM Central or the auxiliary bookstore located on the third floor. 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.
Acute Cardiac Care: Selected Proceedings from the 10th Summer Conference in Intensive Care Medicine
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. With discussions from 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

Coding and Billing for Critical Care: A Practice Tool, Fifth Edition
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 coding and billing procedures in a critical care setting. This edition encompasses the 2013 Current Procedural Terminology (CPT®) changes, with expanded data tables and revised coding information for bedside ultrasound.
$70 Member / $95 Nonmember

Comprehensive Critical Care: Pediatric
Comprehensive Critical Care: Pediatric is the most complete critical care textbook for any learner in pediatric practice. Developed by leading experts in critical care, this new publication provides up-to-date information on the full gamut of critical care topics, with dozens of charts and tables to aid study and copious references to guide further reading.
$195 Member / $255 Nonmember

This comprehensive companion to the Current Concepts in Adult Critical Care course focuses on clinical challenges immediately pertinent to the critical care practitioner. Highlights of this edition include:
▲ Epidemiology of Critical Care
▲ Social Media, Technology and Education in the ICU
▲ Updates on Palliative Care
▲ New Paradigms in Sepsis
$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:
▲ Role of Patient Simulation in Improving Patient Outcomes
▲ Understanding Costs and Reducing Waste in Pediatric
▲ Healthcare
▲ International Pediatric Critical Care
▲ Biomarkers of Acute Renal Injury
▲ Ethical Considerations in the Determination of Death
$75 Member / $95 Nonmember

Drug-Induced Complications in the Critically Ill Patient
Drug-Induced Complications in the Critically Ill Patient: A Guide for Recognition and Treatment offers a wealth of information related to the identification, prevention and management of adverse drug events (ADEs) in the intensive care unit. Arranged in two sections, the book opens with a review of common ADEs, their detection and treatment. The book’s second section serves as a comprehensive manual for critical care professionals who want to establish programs and processes to help prevent ADEs in their institutions.
$70 Member / $99 Nonmember
FREE WiFi
AT THE SOCIETY OF CRITICAL CARE MEDICINE’S 42ND CRITICAL CARE CONGRESS!

Complimentary Internet access is available throughout the convention center.

How to Access the Network:
Connect using SSID: SCCM
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, 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 Puerto Rico Convention Center and Global Experience Specialists (GES) Exposition Services both provided SCCM with environmentally friendly products and services that helped reduce the environmental footprint of the 42nd Critical Care Congress.

The Puerto Rico Convention Center gives a great deal of attention to maintaining a clean environment and promoting green practices. It oversees an extensive recycling program, energy and water conservation, and several other green initiatives for the benefits of the employees, clients, visitors, suppliers, and community.

GES assembled the Congress Exhibit Hall using the following items that are either 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.

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 bins located throughout the Puerto Rico Convention Center.
▲ Donate gently used or unwanted items, such as participant bags, supplies and exhibitor items, to local charities.
▲ Recycle paper, plastic and aluminum products in the receptacles located throughout the Puerto Rico Convention Center.
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Chief Executive Officer/Executive Vice President

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Human Resources Manager

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Director of Business Affairs

Jim BROWN
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Maria BUCICA
Accounts Payable Clerk

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Gerardo HERRERA
Technical Customer Service Representative

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Marianne OLSON
Receptionist

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Technology Development Manager

Kirk PALMATIER
Network Administrator
Register today at:
www.phoenixregistration.com/hyponatremia012013

Pre-registration is for planning purposes only and seating will be available on a first-come, first-served basis.

This promotional program is sponsored by:
Otsuka
Otsuka America Pharmaceutical, Inc.

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Access
Efforts have been made to ensure 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 first floor of the Puerto Rico Convention Center.

ATM
There is one permanent automated teller machine (ATM) located on the first floor of the Puerto Rico Convention Center.

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 first floor of the Puerto Rico Convention Center. 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 first floor of the Puerto Rico Convention Center and will be open during all Congress activities. It offers printing, Internet, secretarial service, copying, fax transmission and receipt, small package shipping, office products, and other services. Major credit cards are accepted for services and purchases.

CE/CME Stations
Congress participants may complete evaluations and CE/CME forms at the CE/CME Stations located at SCCM Registration on the first floor of the Puerto Rico Convention Center. Please note: Certificates cannot be printed on site, but participants can email the completed certificates to themselves for future printing. Participants may also complete their forms by visiting www.MySCCM.org from their own personal computer and selecting “2013 Congress” under the SCCM Continuing Education module.

Childcare Services
Local childcare services are available through Nanny on Call PR. Contact them at 787/728-9999 or www.nannyoncallpr.com. Note that SCCM does not endorse or recommend childcare services. It is the responsibility of each parent seeking childcare to conduct thorough background checks and interviews with providers.

Coffee/Dining
Concessions will be open in the Exhibit Hall during exhibit hall hours. Coffee, beverages and specialty food items also are located across from the SCCM Registration Desk on the first floor of the Puerto Rico Convention Center. Additional dining options are available across the street at the Sheraton Puerto Rico Hotel and Casino.

Congress App
Access the Congress schedule and so much more from the palm of your hand. With apps built specifically for the iPad®, iPhone®, Android™ and Blackberry®, 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.

Helpful Spanish Phrases
The SCCM Congress is presented in English, and English is the primary language in Puerto Rico. However, the following phrases in Spanish might assist you should you need to converse with someone who does not speak English:

<table>
<thead>
<tr>
<th>English</th>
<th>Spanish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can I pay by card?</td>
<td>¿Puedo pagar con tarjeta?</td>
</tr>
<tr>
<td>How much does it cost?</td>
<td>¿Cuánto cuesta?</td>
</tr>
<tr>
<td>Where is the Puerto Rico</td>
<td>¿Dónde está el baño?</td>
</tr>
<tr>
<td>Convention Center?</td>
<td></td>
</tr>
<tr>
<td>Where is the ____ hotel?</td>
<td>¿Dónde está el hotel ____?</td>
</tr>
<tr>
<td>Take me to ______, please.</td>
<td>Llévame a ______, por favor.</td>
</tr>
<tr>
<td>Where can I catch a taxi?</td>
<td>¿Cómo puedo tomar un taxi?</td>
</tr>
<tr>
<td>Where is the ____ hotel?</td>
<td>¿Dónde está el hotel ____?</td>
</tr>
<tr>
<td>Restaurant?</td>
<td>¿Dónde está el hotel ____?</td>
</tr>
<tr>
<td>Luggage Check</td>
<td></td>
</tr>
<tr>
<td>Emergency Procedures</td>
<td>The safety and security of attendees is the first priority of SCCM and the Puerto Rico Convention Center. In the event of an emergency, contact an SCCM staff member, security staff or pick up any house phone. This will connect you with the receptionist of the Puerto Rico Convention Center, who will alert paramedics. The First Aid Room is located behind Room 102.</td>
</tr>
<tr>
<td>Exhibit Hall Hours</td>
<td>The Exhibit Hall at the Puerto Rico Convention Center is open during the following hours:</td>
</tr>
<tr>
<td>Information Desk</td>
<td>The Puerto Rico Convention Center provides information on restaurants, shopping areas, entertainment, and attractions within the area. The Information Desk is located on the first floor of the Puerto Rico Convention Center.</td>
</tr>
<tr>
<td>Luggage Check</td>
<td>Luggage check services are available on the first floor of the Puerto Rico Convention Center during the following hours:</td>
</tr>
<tr>
<td>Message Board</td>
<td>A message board will be located outside the SCCM Convention Office in Room 207.</td>
</tr>
</tbody>
</table>

A fee of $2.00 per checked item will be charged for this service.

MONDAY, JANUARY 21, 2013   8:00 A.M. – 2:30 P.M.
TUESDAY, JANUARY 22, 2013   8:00 A.M. – 2:30 P.M.
WEDNESDAY, JANUARY 23, 2013 7:45 A.M. – 11:30 A.M.
FRIDAY, JANUARY 18, 2013    6:30 A.M. – 2:00 P.M.
SATURDAY, JANUARY 19, 2013  6:30 A.M. – 5:00 P.M.
SUNDAY, JANUARY 20, 2013    6:30 A.M. – 5:00 P.M.
MONDAY, JANUARY 21, 2013    6:30 A.M. – 5:00 P.M.
TUESDAY, JANUARY 22, 2013   6:30 A.M. – 5:00 P.M.
WEDNESDAY, JANUARY 23, 2013 7:45 A.M. – 11:30 A.M.
No Smoking Policy
The Puerto Rico Convention Center is a smoke-free environment. Smoking is only permitted across the street from the Puerto Rico Convention Center.

Parking
The Puerto Rico Convention Center has on-site parking available on a first-come, first-serve basis. Daily rates apply. Note: There is no overnight or 24-hour parking. SCCM does not validate parking.

Poster Activities
All posters are displayed in the Exhibit Hall.

| SATURDAY, JANUARY 19, 2013 | 3:00 P.M. – 5:00 P.M. | POSTER SETUP |
| SUNDAY, JANUARY 20, 2013 | 7:00 A.M. – 9:00 A.M. | POSTER SETUP |
| | 9:00 A.M. – 3:45 P.M. | POSTERS DISPLAYED |
| | 12:45 P.M. – 1:45 P.M. | PROFESSOR WALK ROUNDS |
| MONDAY, JANUARY 21, 2013 | 8:00 A.M. – 2:30 P.M. | POSTERS DISPLAYED |
| | 11:30 A.M. – 12:30 P.M. | PROFESSOR WALK ROUNDS |
| TUESDAY, JANUARY 22, 2013 | 8:00 A.M. – 2:30 P.M. | POSTERS DISPLAYED |
| | 11:30 A.M. – 12:30 P.M. | PROFESSOR WALK ROUNDS |
| | 1:30 P.M. – 2:00 P.M. | ABSTRACT-BASED AWARDS CEREMONY (ROOM 103) |
| | 2:30 P.M. – 6:00 P.M. | POSTER RETRIEVAL |

Neither SCCM, GES, nor the Puerto Rico Convention Center is responsible for items left after these times.

Refreshment Breaks
Complimentary refreshments will be available during the morning and afternoon breaks in the Exhibit Hall on Sunday, January 20; Monday, January 21; and Tuesday, January 22. These breaks are excellent opportunities for attendees to visit with the exhibitors while enjoying refreshments. Complimentary refreshments will also be available in the third floor lobby outside Ballroom A on Wednesday, January 23.

Registration
Registration is located on the first floor of the Puerto Rico Convention Center and will be open during the following hours:

| THURSDAY, JANUARY 17, 2013 | 4:00 P.M. – 7:00 P.M. |
| FRIDAY, JANUARY 18, 2013 | 6:30 A.M. – 2:00 P.M. |
| SATURDAY, JANUARY 19, 2013 | 6:30 A.M. – 5:00 P.M. |
| SUNDAY, JANUARY 20, 2013 | 6:45 A.M. – 5:45 P.M. |
| MONDAY, JANUARY 21, 2013 | 6:30 A.M. – 5:00 P.M. |
| TUESDAY, JANUARY 22, 2013 | 6:30 A.M. – 5:00 P.M. |
| WEDNESDAY, JANUARY 23, 2013 | 7:45 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 children under the age of 16 are not permitted in any Congress session at any time. Only registered Congress attendees are allowed entrance to Congress sessions. Children 16 years and younger are required to register for admission to the Exhibit Hall and must be accompanied by an adult at all times. For reasons of insurance liability and safety, strollers and infant carriers are not permitted on the exhibit floor at any time.

Shuttle Service Sponsored by Covidien
Complimentary shuttle service will be available between all hotels (except the Sheraton) and the Puerto Rico Convention Center during the following hours:

| THURSDAY, JANUARY 17, 2013 | 3:30 P.M. – 7:30 P.M. |
| FRIDAY, JANUARY 18, 2013 | 6:00 A.M. – 6:00 P.M. |
| SATURDAY, JANUARY 19, 2013 | 6:00 A.M. – 6:00 P.M. |
| SUNDAY, JANUARY 20, 2013 | 6:15 A.M. – 6:15 P.M. |
| MONDAY, JANUARY 21, 2013 | 5:30 A.M. – 6:00 P.M. |
| TUESDAY, JANUARY 22, 2013 | 6:00 A.M. – 5:30 P.M. |
| WEDNESDAY, JANUARY 23, 2013 | 7:15 A.M. – 12:30 P.M. |

Buses will return to all SCCM Congress hotels from the ACCM Convocation and 25th Anniversary Celebration at the Caribe Hilton between 5:45 p.m. – 9:30 p.m.

Simulcast Sessions
The daily plenary sessions will be simulcast in Ballroom B, located on the third floor of the Puerto Rico Convention Center.

Society Offices/Exhibits
All locations are in the Puerto Rico Convention Center.

| BUSINESS CENTER | FIRST FLOOR LOBBY |
| COAT AND LUGGAGE CHECK | FIRST FLOOR LOBBY |
| CONTINUING EDUCATION STATIONS* | FIRST FLOOR LOBBY, REGISTRATION |
| CONVENTION OFFICE | OUTSIDE ROOM 207 |
| FIRST AID | BEHIND ROOM 102 |
| MEETING BAG PICKUP | FIRST FLOOR LOBBY, REGISTRATION |
| POSTER EXHIBITS | EXHIBIT HALL, FIRST FLOOR |
| REGISTRATION | FIRST FLOOR LOBBY |
| SATELLITE BOOKSTORE | THIRD FLOOR LOBBY |
| SCCM CENTRAL | EXHIBIT HALL, FIRST FLOOR |
| SPEAKER READY ROOM | ROOM 203 |
| STUDENT VOLUNTEER OFFICE | ROOM 210 |
| TECHNICAL EXHIBITS | EXHIBIT HALL, FIRST FLOOR |

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

Special Assistance
An electric scooter is available for use within the Puerto Rico Convention Center at no charge. It may be reserved from the SCCM Convention Office, located outside Room 207.

Translation Services
Several educational sessions will be translated from English into Spanish. Please refer to the schedule of events to identify these sessions.

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 the Puerto Rico Convention Center for the convenience of SCCM Congress attendees.
2013 Adult Multiprofessional Critical Care Board Review Course

August 9 - 13, 2013
JW Marriott
Washington, DC, USA

The Society of Critical Care Medicine’s (SCCM) 2013 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 designed to prepare fellows and attendings for the certification and recertification examinations in critical care.

Led by founding directors Joseph E. Parrillo, MD, MCCM, and Henry Masur, MD, FCCM, this course will offer attendees a chance to benefit from first-hand expert guidance on the essential exam areas. For those not preparing for the exam, the course provides an excellent update and overview of critical care medicine.

On Demand videos and downloadable MP3 files of all the lectures allow participants to review content after the course is complete and are included in the registration price.
Put a Face to Your Name

Visit the photo booth in SCCM Central 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 like 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.
Comprehensive Program Topics

Listed after each session, in parentheses, is a letter, A through E, that corresponds to a specific SCCM Core Competency. Also listed after each session is the page number on which the session can be located.

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

ADMINISTRATION

• Comparison of ICU Systems Around the World (D,E) P. 67
• Improving Critical Care Education (B,D,E) P. 70
• Learning to Be a Leader in the ICU: Management Issues and Strategies (C,D,E) P. 81
• Making the Case for Telemedicine (B,C,E) P. 73
• Military Medicine: Lessons Learned from a Decade of Caring for Combat Casualties (B) P. 80

CARDIOVASCULAR AND RESUSCITATION

• Defining the Goals of Resuscitation (B) P. 60
• Dysrhythmias in the ICU (B,D) P. 79
• Extracorporeal Life Support (A,B,D) P. 83
• Hemodynamic Monitoring to Optimize Shock Management (A,B,D) P. 74
• Novel Strategies for Postcardiac Resuscitation (A,B) P. 69
• Postcardiac Arrest Care (B) P. 67
• Translation Research in Cardiopulmonary Resuscitation Research: Lessons Learned (Laerdal Award) (B,C,D,E) P. 78

ENDOCRINE - RENAL

• Critical Complications of Pregnancy (B,D) P. 72
• Obesity Care in the ICU (B,D) P. 60
• Organ Crosstalk: How Organ Failure Relates to Renal Dysfunction (B,D) P. 65
• Resuscitative Endocrinology (B,D) P. 70

ETHICS - END-OF-LIFE

• End-of-Life Care Dilemmas (A,B,C,D,E) P. 82
• Ensuring Patient- and Family-Centered ICU Care (A,C,D) P. 73
• Ethical Issues in a Disaster (A,C) P. 70

GI - NUTRITION

• Liver Failure in the ICU (B,D) P. 59
• Maximizing Clinical and Surgical Outcomes with Immunonutrition (B,D,E) P. 71
• Practical Application of Nutrition Studies (B,E) P. 73

HEMATOLOGY AND IMMUNOLOGY

• Anticoagulation and Devices (B,D) P. 59
• Immunosuppression in the ICU (B,D) P. 70
• Management Challenges with the New Antiplatelet and Antithrombotic Agents (A,B) P. 80
• Recognition, Identification, and Management of Acquired Coagulopathy in Critically Ill Patients (B,D) P. 71
• New Approaches to Immunomodulation (B,D) P. 66
• Update on Deep Venous Thrombosis and Pulmonary Embolism (B,D) P. 75

INFECTION DISEASES

• All Drug-Resistant Organisms (A,B,D,E) P. 76
• Bacteria as a Formidable Foe: A Basic Science Perspective (B) P. 68
• Emerging Pathogens in a Globally Warming World (A,B) P. 67

NEUROSCIENCE

• Improving Outcomes in the Neurological Critical Care Patient with Decreased Sodium Levels (B) P. 71
• Life after the ICU: Brain and Neuromuscular Function (A,B) P. 84
• Management of Cerebral Edema (A,E) P. 81
• Mechanisms of Brain Injury and Novel Therapies (B) P. 74
• Neuromonitoring: Is It Useful? (B,D) P. 78
• Neuroprognostication: Trying to Find the Crystal Ball (B,D,E) P. 60
• The Effect of Multiple Organ Dysfunction on the Brain (A,B,E) P. 70
• Why Is My Patient Moving Like That? (B) P. 77

PEDIATRICS

• Advanced Practice Nursing Models in the Pediatric ICU: Everything You Need to Know (B,D) P. 84
• Ageism in the ICU: When Barriers Get in the Way (B,D) P. 59
• Controversies in the Pediatric ICU (A,B,C,D,E) P. 66
• Emerging Technologies for Organ Support (A,B,D) P. 79
• Fluid Resuscitation in Children (A,B) P. 77
• Noncardiac Consequences of Congenital Heart Surgery (B,D,E) P. 81
• Technology Applications in Liver Failure (B) P. 72

Continued on page 38
Comprehensive Program Topics

Continued from page 37

Listed after each session, in parentheses, is a letter, A through E, that corresponds to a specific SCCM Core Competency. Also listed after each session is the page number on which the session can be located.

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

PHARMACOLOGY AND SEDATION
- Clinical Considerations for Drug Dosing in Specialized Populations (B) P. 83
- Controlling Costs in an Era of $100,000 Therapeutics (B,E) P. 65
- Practical Applications of Antimicrobial Management (B) P. 67
- Strategies for Preventing and Treating Pain, Agitation & Delirium in Clinical Practice (B,D,E) P. 70

PROFESSIONAL DEVELOPMENT
- 2013: An ICU Odyssey (B) P. 65
- Conflict of Interest in Medical Research (B,D) P. 81
- Critical Care Education: Impact of Mid-Level Healthcare Providers on Physician Training (B,D) P. 68
- Current Maintenance of Certification Requirements and Future Directions (B) P. 83
- Developing a Research Program in the Current Economic Era (D,E) P. 80
- DNP and PhD in Nursing: Creating Optimal Collaboration (B,C) P. 69
- Late-Breaker (B) P. 77
- Nursing Research: Make It Happen (B) P. 77
- The Effect of New Guidelines on ICU Care (B,D,E) P. 66
- Transitioning from Trainee into the Real World (B,C) P. 80
- Year in Review: Anesthesia (B) P. 80
- Year in Review: Internal Medicine (B) P. 77
- Year in Review: Nursing (B) P. 79
- Year in Review: Pediatrics (B) P. 75
- Year in Review: Pharmacy (B) P. 69
- Year in Review: Surgery (B) P. 76

PULMONARY
- Challenging Airway Issues (B,D) P. 68
- Prevention of Ventilator-Associated Conditions (B,E) P. 74
- Prolonged Mechanical Ventilation Issues (A,B,D,E) P. 65
- Update on Mechanical Ventilation (A,B,E) P. 59
- Updates in Acute Respiratory Distress Syndrome Therapeutics (B) P. 82

QUALITY AND PATIENT SAFETY
- At the Bedside in the ICU: Knowing What to Do and Who to Believe (B,E) P. 62
- Critical Care in the Era of Health Reform: Leading the Way to Outstanding Patient Outcomes (B,E) P. 72
- ICU-Acquired Weakness: Obstacles and Interventions in Recovery (B,E) P. 58
- Quality Metrics: Priorities and Application (B,E) P. 69
- Post-Intensive Care Syndrome (PICS): Improving the Future of ICU Patients (A,B,D,E) P. 61
- Safe Medication Use Guidelines (B,E) P. 58
- Taming the ICU: Optimizing the Environment for Patients and Providers (A,B,D,E) P. 76
- Transformative Strategies for Quality and Safety (B,E) P. 79

SEPSIS
- Heme in Sepsis: Not Just an Innocent Bystander (B) P. 78
- Immunoparalysis (D,E) P. 73
- Nonconventional Modulators of Inflammation (B,D) P. 77
- Optimizing Fluid Management in Sepsis (A,B,D,E) P. 69
- Sepsis Care: Improving Quality Through Early Systems Integration (A,B,D) P. 82
- Surviving Sepsis Campaign: 2012 Guidelines (A,B,D,E) P. 58
- Tough Problem: New Therapies for Sepsis or Shock (B) P. 76

SURGERY AND TRAUMA
- After Abdominal Compartment Syndrome: Fates Worse than Death (B,D,E) P. 82
- Management of Special Surgical Patient Populations (B,E) P. 66
Continuing Education Credit

At the conclusion of the 42nd 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:
▲ Quality Improvement and Patient Safety
▲ Patient and Family-Centered Care
▲ Clinical Knowledge
▲ Communication
▲ Multiprofessionalism and Teamwork
▲ Translation Research from Bench to Bedside

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 Professionals
▲ Internists
▲ Neurologists
▲ Neurosurgeons
▲ Nurses: Adult and Pediatric
▲ Physician Assistants
▲ Physicians
▲ Research Scientists
▲ Respiratory Care Practitioners
▲ Trauma Surgeons
▲ Other Critical Care Practitioners

Learning Objectives

Obtaining Credit
Participants may complete their evaluations and CE forms by visiting www.MySCCM.org and selecting “2013 Critical Care Congress” under the SCCM Continuing Education module. For additional information, please contact SCCM at education@sccm.org or +1 847 827-6869.

Accreditation Statement: 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>Activity</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Congress (Concurrent Sessions)</td>
<td>19.5 Category 1 Credits</td>
</tr>
<tr>
<td>Current Concepts in Adult Critical Care Course</td>
<td>10.5 Category 1 Credits</td>
</tr>
<tr>
<td>Current Concepts in Pediatric Critical Care Course</td>
<td>10.5 Category 1 Credits</td>
</tr>
<tr>
<td>Fundamental Disaster Management</td>
<td>8.5 Category 1 Credits</td>
</tr>
<tr>
<td>Fundamental Critical Care Support Instructor Course</td>
<td>6.5 Category 1 Credits</td>
</tr>
<tr>
<td>Pediatric Fundamental Critical Care Support Instructor Course</td>
<td>6.5 Category 1 Credits</td>
</tr>
<tr>
<td>Postgraduate Courses</td>
<td>up to 5 Category 1 Credits</td>
</tr>
</tbody>
</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>Activity</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Congress (Concurrent Sessions)</td>
<td>19.5 contact hours</td>
</tr>
<tr>
<td>Current Concepts in Adult Critical Care Course</td>
<td>10.5 contact hours</td>
</tr>
<tr>
<td>Current Concepts in Pediatric Critical Care Course</td>
<td>10.5 contact hours</td>
</tr>
<tr>
<td>Fundamental Disaster Management</td>
<td>8.5 contact hours</td>
</tr>
<tr>
<td>Fundamental Critical Care Support Instructor Course</td>
<td>6 contact hours</td>
</tr>
<tr>
<td>Pediatric Fundamental Critical Care Support Instructor Course</td>
<td>6.5 contact hours</td>
</tr>
<tr>
<td>Postgraduate Courses</td>
<td>up to 5 contact hours</td>
</tr>
</tbody>
</table>

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

Registered Dietitians (RDs) and Dietetic Technicians, Registered (DTRs)
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. Pharmacists need to complete a Congress verification form and identify all sessions attended. Upon submitting the verification form to SCCM, a statement of credit can be printed by each pharmacist.

<table>
<thead>
<tr>
<th>ACPE Number Session</th>
<th>Title</th>
<th>Contact Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>0236-0000-13-100-L04-P</td>
<td>Current Concepts in Adult Critical Care</td>
<td>10.5</td>
</tr>
<tr>
<td>0236-0000-13-101-L04-P</td>
<td>Current Concepts in Pediatric Critical Care</td>
<td>10.5</td>
</tr>
<tr>
<td>0236-0000-13-102-L04-P</td>
<td>Pediatric Fundamental Critical Care Support Instructor Course</td>
<td>6.5</td>
</tr>
<tr>
<td>0236-0000-13-103-L04-P</td>
<td>Fundamental Disaster Management</td>
<td>8.5</td>
</tr>
<tr>
<td>0236-0000-13-104-L04-P</td>
<td>Neurocritical Care: The Essentials for the Intensivist</td>
<td>5</td>
</tr>
<tr>
<td>0236-0000-13-105-L01-P</td>
<td>Crafting Individualized Medication Therapies When Practicing in the Grey</td>
<td>5</td>
</tr>
<tr>
<td>0236-0000-13-106-L04-P</td>
<td>The Critically Ill Under Special Circumstances</td>
<td>5</td>
</tr>
<tr>
<td>0236-0000-13-107-L01-P</td>
<td>Secrets of Successful Research: How the Experts Do It</td>
<td>5</td>
</tr>
<tr>
<td>0236-0000-13-108-L04-P</td>
<td>Fundamental Critical Care Support Instructor Course</td>
<td>6</td>
</tr>
<tr>
<td>0236-0000-13-109-L01-P</td>
<td>ICU-Acquired Weakness: Obstacles and Interventions in Recovery (Plenary Session)</td>
<td>0.5</td>
</tr>
<tr>
<td>0236-0000-13-110-L01-P</td>
<td>Surviving Sepsis Campaign: 2012 Guidelines (Joint SCCM/ESICM Session)</td>
<td>2</td>
</tr>
<tr>
<td>0236-0000-13-111-L01-P</td>
<td>Liver Failure in the ICU</td>
<td>2</td>
</tr>
<tr>
<td>0236-0000-13-112-L04-P</td>
<td>Ageism in the ICU: When Barriers Get in the Way</td>
<td>2</td>
</tr>
<tr>
<td>0236-0000-13-113-L04-P</td>
<td>Military Medicine: Lessons Learned from a Decade of Caring for Combat Casualties</td>
<td>2</td>
</tr>
<tr>
<td>0236-0000-13-114-L04-P</td>
<td>Obesity Care in the ICU</td>
<td>2</td>
</tr>
<tr>
<td>0236-0000-13-115-L05-P</td>
<td>Post-Intensive Care Syndrome (PICS): Improving the Future of ICU Patients</td>
<td>1</td>
</tr>
<tr>
<td>0236-0000-13-116-L04-P</td>
<td>Bedside in the ICU: Knowing What to Do and Who to Believe (Plenary Session)</td>
<td>0.75</td>
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<tr>
<td>0236-0000-13-117-L01-P</td>
<td>2013: An ICU Odyssey (Plenary Session)</td>
<td>0.75</td>
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<tr>
<td>0236-0000-13-118-L04-P</td>
<td>Controlling Costs in an Era of $100,000 Therapeutics</td>
<td>1</td>
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<tr>
<td>0236-0000-13-119-L01-P</td>
<td>Organ Crosstalk: How Organ Failure Relates to Renal Dysfunction</td>
<td>2</td>
</tr>
<tr>
<td>0236-0000-13-120-L04-P</td>
<td>The Effect of New Guidelines on ICU Care</td>
<td>2</td>
</tr>
<tr>
<td>0236-0000-13-121-L04-P</td>
<td>Management of Special Surgical Patient Populations</td>
<td>2</td>
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<td>Controversies in the Pediatric ICU</td>
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<td>New Approaches to Immunomodulation</td>
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<td>Comparison of ICU Systems Around the World</td>
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<td>Emerging Pathogens in a Globally Warming World</td>
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<td>Challenging Airway Issues</td>
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<td>Critical Care Education: Impact of Mid-Level Healthcare Providers on Physician Training (Fellowship Directors’ Luncheon)</td>
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<td>0236-0000-13-130-L04-P</td>
<td>Bacteria as a Formidable Foe: A Basic Science Perspective (Plenary Session)</td>
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<td>Optimizing Fluid Management in Sepsis</td>
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<td>Novel Strategies for Postcardiac Arrest Syndrome</td>
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<td>Improving Critical Care Education</td>
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<td>The Effect of Multiple Organ Dysfunction on the Brain</td>
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<td>Critical Care in the Era of Health Reform: Leading the Way to Outstanding Patient Outcomes (Plenary Session)</td>
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<td>Making the Case for Telemedicine</td>
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<td>Ensuring Patient and Family-Centered ICU Care</td>
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<td>Practical Application of Nutrition Studies</td>
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<td>Hemodynamic Monitoring to Optimize Shock Management</td>
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<td>Mechanisms of Brain Injury and Novel Therapies</td>
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<td>Tough Problem: New Therapies for Sepsis or Shock (Plenary Session)</td>
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<td>0236-0000-13-150-L01-P</td>
<td>Update on Deep Venous Thrombosis and Pulmonary Embolism</td>
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<td>Translation Research in Cardiopulmonary Resuscitation Research: Lessons Learned (Laerdal Award)</td>
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<td>0236-0000-13-152-L05-P</td>
<td>Taming the ICU: Optimizing the Environment for Patients and Providers</td>
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<td>0236-0000-13-153-L04-P</td>
<td>All Drug-Resistant Organisms</td>
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<td>Transformative Strategies for Quality and Safety</td>
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<td>0236-0000-13-155-L04-P</td>
<td>Dysrhythmias in the ICU</td>
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<td>0236-0000-13-157-L04-P</td>
<td>Developing a Research Program in the Current Economic Era</td>
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<td>0236-0000-13-158-L01-P</td>
<td>Management Challenges with New Antiplatelet and Antithrombotic Agents</td>
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<td>Management of Cerebral Edema</td>
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<td>Noncardiac Consequences of Congenital Heart Surgery</td>
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<td>0236-0000-13-163-L04-P</td>
<td>Sepsis Care: Improving Quality Through Early Systems Integration</td>
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<td>0236-0000-13-164-L04-P</td>
<td>After Abdominal Compartment Syndrome: Fates Worse Than Death</td>
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<td>End-of-Life Care Dilemmas</td>
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<td>Updates in Acute Respiratory Distress Syndrome Therapeutics</td>
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<td>Extracorporeal Life Support</td>
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<td>Clinical Considerations for Drug Dosing in Specialized Populations</td>
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<td>Learning to Be a Leader in the ICU: Management Issues and Strategies</td>
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<td>ACCM Town Hall: Delivery of Medical Care to Critically Ill Patients</td>
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<td>0236-0000-13-172-L01-P</td>
<td>Improving Outcomes in the Neurological Critical Care Patient with Decreased Sodium Levels</td>
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<td>0236-0000-13-173-L04-P</td>
<td>Safe Medication Use Guidelines</td>
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<td>0236-0000-13-174-L01-P</td>
<td>Heme in Sepsis: Not Just an Innocent Bystander</td>
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<td>0236-0000-13-175-L01-P</td>
<td>Late-Breaker</td>
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<td>0236-0000-13-176-L04-P</td>
<td>Strategies for Preventing and Treating Pain, Agitation &amp; Delirium in Clinical Practice</td>
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<td>0236-0000-13-177-L04-P</td>
<td>Recognition, Identification, and Management of Acquired Coagulopathy in Critically III Patients</td>
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<tr>
<td>0236-0000-13-178-L04-P</td>
<td>Maximizing Clinical and Surgical Outcomes with Immunonutrition</td>
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<td>0236-0000-13-179-L04-P</td>
<td>Oral Abstract Session</td>
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### 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 the foundation 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. A non-profit organization providing support or collaboration is considered a joint sponsor (see joint sponsorship policy).

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 sponsored by SCCM 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, or 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.
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Pg. 68

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Pg. 54, 66

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Pg. 64, 67, 79, 81, 82

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Pg. 71

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Pg. 67, 78

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Pg. 51, 54

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Pg. 56, 72

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Pg. 60, 74

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Pg. 54, 74, 77

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Pg. 60

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Pg. 54, 55

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Pg. 71, 80

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Pg. 80, 83

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FRIDAY, JANUARY 18, 2013

7:30 A.M. - 1:00 P.M. ROOM 208

• PRE-CONGRESS EDUCATIONAL SESSION

|$|$| Current Concepts in Adult Critical Care - Day 1 (See page 54 for Day 2)

Moderators: Pauline K. PARK, Azra BIHORAC

LEARNING OBJECTIVES
• Review diagnostic and treatment options in the management of critical illness
• Examine patient safety and quality improvement initiatives in the ICU

6:30 a.m. - 7:30 a.m.
> Continental Breakfast
7:30 a.m. - 8:15 a.m.
> Federal Initiatives in Emergency Preparedness
  James M. BLUM
8:15 a.m. - 9:00 a.m.
> Epidemiology of Critical Care
  Hannah WUNSCH
9:00 a.m. - 9:45 a.m.
> Social Media, Technology, and Education in the ICU
  Richard H. SAVEL
9:45 a.m. - 10:00 a.m.
> Break
10:00 a.m. - 10:45 a.m.
> Update on Neurocritical Care
  Andrea GABRIELLI
10:45 a.m. - 11:30 a.m.
> Salt, Water, and Brain in the ICU
  Azra BIHORAC
11:30 a.m. - 12:15 p.m.
> Palliative Medicine in the ICU
  Christine C. TOEVS
12:15 p.m. - 1:00 p.m.
> Case Presentations
  James M. BLUM, Andrea GABRIELLI, Christine C. TOEVS, Hannah WUNSCH, Richard H. SAVEL

7:30 A.M. - 1:00 P.M. ROOM 209

• PRE-CONGRESS EDUCATIONAL SESSION

|$|$|$|$ Current Concepts in Pediatric Critical Care - Day 1 (See page 54 for Day 2)

Moderators: Brian R. JACOBS, Mark R. RIGBY

LEARNING OBJECTIVES
• Evaluate disease processes and an effective goal-directed approach to critical care management
• Discuss clinical care delivery through evidence-based decision making
• Apply translational medical science to improve the outcomes of pediatric critically ill patients

6:30 a.m. - 7:30 a.m.
> Continental Breakfast
7:30 a.m. - 8:15 a.m.
> Role of Patient Simulation in Improving Patient Outcomes
  Akira NISHISAKI
8:15 a.m. - 9:00 a.m.
> Severe Viral Respiratory Infection in Children
  Michael C. SPAEDER
9:00 a.m. - 9:45 a.m.
> Acute Lung Injury/Acute Respiratory Distress Syndrome: Translational Research
  Ann Marie LEVINE
9:45 a.m. - 10:30 a.m.
> Pulmonary Hypertension: Current Diagnosis and Management
  Jeffrey R. FINEMAN
10:30 a.m. - 10:45 a.m.
> Break
10:45 a.m. - 11:30 a.m.
> International Pediatric Critical Care
  Niranjan KISSOON
11:30 a.m. - 12:15 p.m.
> Using Your Electronic Health Record Data in Monitoring Outcomes
  George E. REYNOLDS
12:15 p.m. - 1:00 p.m.
> Quality in Pediatric Critical Care: Where Have We Been and Where Are We Going?
  George E. REYNOLDS, Brian R. JACOBS, R Scott WATSON

C = Puerto Rico Convention Center  S = Sheraton  H = Caribe Hilton  =$ = Additional charge to attend  T = Ticketed session
Transportation to and from the Caribe Hilton Hotel for the PFCCS and FDM Courses will depart promptly at 6:45 am from outside the Puerto Rico Convention Center. Return buses will depart the Caribe Hilton Hotel between 4:45 pm - 5:45 pm and drop off at the Puerto Rico Convention Center.

7:30 A.M. - 4:45 P.M. SAN GERONIMO BALLROOM B

**PRE-Congress Educational Session**

### Pediatric Fundamental Critical Care Support Instructor Course

**Moderator:** Maureen A. MADDEN

**Learning Objectives**
- Prioritize assessment needs for the critically ill or injured infant and child
- Identify and respond to significant changes in the unstable pediatric patient
- Recognize and initiate management of acute, life-threatening conditions
- Discuss teaching strategies for lectures and interactive skill stations
- Outline policies and procedures for conducting a Pediatric Fundamental Critical Care Support course

**Schedule**

- **6:30 a.m. - 7:30 a.m.**
  - Continental Breakfast
- **7:30 a.m. - 7:45 a.m.**
  - Registration and Pre-test
    - Maureen A. MADDEN
- **7:45 a.m. - 8:15 a.m.**
  - Introduction
    - Maureen A. MADDEN
- **8:15 a.m. - 9:15 a.m.**
  - Sampling of Lectures
    - Mohan R. MYSORE, Karl L. SERRAO, Rodrigo MEJIA
- **9:15 a.m. - 10:00 a.m.**
  - Skill Station I (Part I) (Groups A and C) - Airway Evaluation and Management, Cardiovascular Evaluation and Shock
    - Maureen A. MADDEN, Louisdon PIERRE, Michael O. GAYLE, Mohan R. MYSORE, Michele C. PAPO
- **9:15 a.m. - 10:00 a.m.**
  - Skill Station I (Part I) (Groups B and D) - Ventilation I and II
    - Daniel B. BRUZZINI, Ellen J. PRINGLE, Rodrigo MEJIA, Karl L. SERRAO
- **10:00 a.m. - 10:15 a.m.**
  - Break
- **10:15 a.m. - 11:00 a.m.**
  - Skill Station I (Part II) (Groups B and D) - Airway Evaluation and Management, Cardiovascular Evaluation and Shock
    - Maureen A. MADDEN, Louisdon PIERRE, Michael O. GAYLE, Mohan R. MYSORE, Michele C. PAPO

Continued ➝
**Fundamental Disaster Management, Continued**

**Moderator:** Brittany Ann WILLIAMS

**LEARNING OBJECTIVES**
- Recognize the core disaster incident management structure and functions and describe how the critical care response is coordinated and interfaces with incident management
- List the types of events most likely to require a critical care response and describe the anticipated critical care needs of the affected people
- Describe the guiding principles for triage and allocation of scarce critical care resources during an emergency
- List the major emergency changes during a mass casualty event that may optimize augmentation of critical care capacity
- Demonstrate ability to operate alternative positive pressure ventilation equipment

7:00 a.m. - 8:00 a.m.
> Continental Breakfast

8:00 a.m. - 8:15 a.m.
> Welcome and Introductions

8:15 a.m. - 8:45 a.m.
> ICU Microcosm within Disaster Medical Response
  James A. GEILING

8:45 a.m. - 9:15 a.m.
> Augmenting Critical Care Capacity During a Disaster
  Amado Alejandro BAEZ

9:15 a.m. - 9:45 a.m.
> Mass Casualty Burn Care and Critical Care Management of Conventional Explosions
  Mary J. REED

9:45 a.m. - 10:00 a.m.
> Break

10:00 a.m. - 10:30 a.m.
> Critical Care Response to Natural Disasters and Mass Casualty Crush Syndrome
  Edgar JIMENEZ

Continued ➝
SCHEDULE OF EVENTS

SATURDAY, JANUARY 19, 2013

7:30 A.M. - 1:00 P.M.  ROOM 208 C

* PRE-Congress Educational Session

Current Concepts in Adult Critical Care - Day 2 (See page 51 for Day 1)

Moderators: Pauline K. PARK, Azra BIHORAC

Learning Objectives

- Review diagnostic and treatment options in the management of critical illness
- Examine patient safety and quality improvement initiatives in the ICU

6:30 a.m. - 7:30 a.m.

- Continental Breakfast
- Update on Acute Respiratory Distress Syndrome
  Pauline K. PARK
- Prevention of Organ Injury
  Ognjen GAJIC
- New Paradigms in Sepsis
  Mervyn SINGER

9:45 a.m. - 10:00 a.m.

- Break

10:00 a.m. - 10:45 a.m.

- Update on Sepsis Resuscitation
  Frederick A. MOORE
- Antithrombotic Therapy in the ICU
  William E. DAGER

11:00 a.m. - 12:30 p.m.

- Update on Hemorrhagic Shock Resuscitation
  Ronald V. MAIER
- Case Presentations
  Mervyn SINGER, Ronald V. MAIER, Frederick A. MOORE, William E. DAGER, Ognjen GAJIC

7:30 A.M. - 1:00 P.M.  ROOM 209 C

* PRE-Congress Educational Session

Current Concepts in Pediatric Critical Care - Day 2 (See page 51 for Day 1)

Moderators: Brian R. JACOBS, Mark R. RIGBY

Learning Objectives

- Evaluate disease processes and an effective goal-directed approach to critical care management
- Discuss clinical care delivery through evidence-based decision making
- Apply translational medical science to improve the outcomes of pediatric critically ill patients

6:30 a.m. - 7:30 a.m.

- Continental Breakfast
- Understanding Costs and Reducing Waste in Pediatric Healthcare
  Brian R. JACOBS

Continued ➤

Current Concepts in Pediatric Critical Care, Continued

8:15 a.m. - 9:00 a.m.

> Neuroscience Translational Research
  Courtney L. ROBERTSON

9:00 a.m. - 9:45 a.m.

> Leadership for Today and Future Change
  Jeffery S. VENDER

9:45 a.m. - 10:45 a.m.

> Translational Research Panel
  Courtney L. ROBERTSON, Prasad DEVARAJAN, Ann Marie LeVINE

10:45 a.m. - 11:00 a.m.

> Break

11:00 a.m. - 11:45 a.m.

> Biomarkers of Acute Renal Injury
  Prasad DEVARAJAN

11:45 a.m. - 12:30 p.m.

> Ethical Considerations in the Determination of Death
  Thomas A. NAKAGAWA

12:30 p.m. - 1:00 p.m.

> Glucose Regulation in Critically Ill Children
  Mark R. RIGBY

7:30 A.M. - 1:00 P.M.  ROOM 104 C

* PRE-Congress Educational Session

Neurocritical Care: Essentials for the Intensivist

Moderators: Cherylee W. CHANG, Jose Javier PROVENCIO

Learning Objectives

- Review updates on the current knowledge-based guidelines and proponoses in neurocritical care
- Investigate the treatment management for traumatic brain injury, acute spinal cord injury, status epilepticus, neuromuscular disease, stroke, and subarachnoid hemorrhage
- Explore the non-medical issues of establishing and maintaining an effective neurointensive care unit

6:30 a.m. - 7:30 a.m.

- Continental Breakfast
- Running a Neuro ICU: The Essentials of Staffing, Equipment and Nursing Skills
  Michel TORBEY

8:00 a.m. - 8:30 a.m.

> Traumatic Brain Injury: Review of the Guidelines
  TBD

8:30 a.m. - 9:00 a.m.

> Acute Spinal Cord Injury: The Do’s and Don’t’s
  TBD

9:00 a.m. - 9:30 a.m.

> Hemorrhagic Stroke and Subarachnoid Hemorrhage: The First 24 Hours
  Jose Javier PROVENCIO

Continued ➤
Neurocritical Care: Essentials for the Intensivist, Continued
10:30 a.m. - 11:00 a.m.
> Acute Medical Complications Related to Brain Injury
  Cherylee W. CHANG
11:00 a.m. - 11:30 a.m.
> Nuances of Ventilator Management in the Neurologically Injured Patient
  Mark D. CIPOLLE
11:30 a.m. - 12:00 p.m.
> Neuromuscular Disease and the ICU
  Jose I. SUAREZ
12:00 p.m. - 12:30 p.m.
> Status Epilepticus: Recognition and Treatment
  Jan CLAASSEN
12:30 p.m. - 1:00 p.m.
> What to Tell the Family About the Prognosis
  David M. GREER

Crafting Individualized Medication Therapies When Practicing in the Grey
Moderators: Jeffrey BARLETTA, William E. DAGER
LEARNING OBJECTIVES
• Develop a medication therapy plan for a patient with multiple drug-related problems in medical, surgical, neuroscience, and cardiovascular ICU settings
• Describe the risks and benefits of drug therapy when there may be conflicting indications, precautions, or disease states
• Develop a medication therapy plan for a complex patient when primary evidence may be limited or lacking
6:30 a.m. - 7:30 a.m.
> Continental Breakfast
7:30 a.m. - 7:45 a.m.
> Case Setup: Dilemmas with Drug Therapy in a Neurosciences ICU
  Jeffrey BARLETTA
7:45 a.m. - 8:45 a.m.
> Dilemmas with Drug Therapy in a Neurosciences ICU
  Karen McALLEN, Stacy Alan VOILS
8:45 a.m. - 9:00 a.m.
> Case Setup: Dilemmas with Drug Therapy in a Surgical ICU
  Jeffrey BARLETTA
9:00 a.m. - 10:00 a.m.
> Dilemmas with Drug Therapy in a Surgical ICU
  Tyree H. KISER, Eric W. MUeller
10:00 a.m. - 10:30 a.m.
> Break
10:30 a.m. - 10:45 a.m.
> Case Setup: Dilemmas with Drug Therapy in a Medical ICU
  William E. DAGER
10:45 a.m. - 11:45 a.m.
> Dilemmas with Drug Therapy in a Medical ICU
  Paul M. SZUMITA, Scott MICEK

Continued

7:30 A.M. - 1:00 P.M. ROOM 102
• PRE-CONGRESS EDUCATIONAL SESSION
Crafting Individualized Medication Therapies..., Continued
11:45 a.m. - 12:00 p.m.
> Case Setup: Dilemmas with Drug Therapy in a Cardiovascular ICU
  William E. DAGER
12:00 p.m. - 1:00 p.m.
> Dilemmas with Drug Therapy in a Cardiovascular ICU
  Judith L. KRISTELLER, Jeremy D. FLYNN

7:30 A.M. - 1:00 P.M. ROOM 202
• PRE-CONGRESS EDUCATIONAL SESSION
The Critically Ill Under Special Circumstances
Moderators: Jorge Luis HIDALGO, Gloria M. RODRIGUEZ-VEGA
LEARNING OBJECTIVES
• Update the intensivist on uncommon conditions encountered in the ICU
• Review the diagnostic techniques used in the management of the critically ill under special circumstances
• Discuss recommendations for the management of uncommon critical illnesses encountered in the ICU
• Apply techniques from uncommon illnesses and special circumstances to everyday management of critically ill patients
6:30 a.m. - 7:30 a.m.
> Continental Breakfast
7:30 a.m. - 8:00 a.m.
> Tropical Medicine
  Jorge Luis HIDALGO
8:00 a.m. - 8:30 a.m.
> High Altitude Medicine
  Andrew L. ROSENBERG
8:30 a.m. - 9:00 a.m.
> Diving Medicine
  Jorge Luis HIDALGO
9:00 a.m. - 9:30 a.m.
> Specific ICU Populations: Obstetric Patients
  Marie R. BALDISSERI
9:30 a.m. - 10:00 a.m.
> Break
10:00 a.m. - 10:30 a.m.
> Specific ICU Populations: Bariatric Patients
  Mary J. REED
10:30 a.m. - 11:00 a.m.
> Specific ICU Populations: Bioterrorism
  James A. GEILING
11:00 a.m. - 11:30 a.m.
> Specific ICU Populations: Potential Organ Donor
  Gloria M. RODRIGUEZ-VEGA
11:30 a.m. - 12:00 p.m.
> The Immunocompromised Patient: Transplant
  Robert H. HYZY
12:00 p.m. - 12:30 p.m.
> The Immunocompromised Patient: Cancer
  Joseph L. NATES
12:30 p.m. - 1:00 p.m.
> The Immunocompromised Patient: AIDS and Other Unique Conditions
  Pedro R. ARRIAGA

= Puerto Rico Convention Center  = Sheraton  = Caribe Hilton  Additional charge to attend  = Ticketed session
**PRE-Congress Educational Session**

### Secrets of Successful Research: How the Experts Do It

**Moderators:** Diane BYRUM, John A. KELLUM

**Learning Objectives**
- Identify secrets from the experts on the how-to of successful research
- Examine the processes for securing funding for multiprofessional research
- Investigate how to be successful with your own research initiatives

**7:30 A.M. - 1:00 P.M. Room 101**

- 6:30 a.m. - 7:30 a.m. > Continental Breakfast
- 7:30 a.m. - 8:00 a.m. > Multicenter/Multinational Collaborative Research
  - Derek C. ANGUS
- 8:00 a.m. - 8:30 a.m. > Basic Science in Critical Illness
  - Clifford S. DEUTSCHMAN
- 8:30 a.m. - 9:00 a.m. > Critical Care Innovation: From Bench to Boardroom
  - Mitchell P. FINK
- 9:00 a.m. - 9:30 a.m. > How to Publish in Top Journals
  - Catherine DeANGELIS
- 9:30 a.m. - 10:00 a.m. > Break
- 10:00 a.m. - 10:30 a.m. > Interprofessional Collaborative Research
  - Martha A.Q. CURLEY
- 10:30 a.m. - 11:00 a.m. > Building and Funding Neuroemergency Research Infrastructure
  - William BARSAN
- 11:00 a.m. - 11:30 a.m. > Working with Industry in the Sunshine
  - Mitchell M. LEVY
- 11:30 a.m. - 12:00 p.m. > Unique Challenges of Pediatric Research
  - Hector R. WONG
- 12:00 p.m. - 12:30 p.m. > A View From Inside the National Institutes of Health
  - Scott SOMERS
- 12:30 p.m. - 1:00 p.m. > Panel Discussion
  - Scott SOMERS, Hector R. WONG, Mitchell M. LEVY, William BARSAN, Martha A.Q. CURLEY, Catherine DeANGELIS, Mitchell P. FINK, Clifford S. DEUTSCHMAN, Derek C. ANGUS

**7:30 A.M. - 1:00 P.M. Room 103**

### 2013 Coding and Billing

**Moderator:** Eric A. TOSCHLOG

**Learning Objectives**
- Describe the latest updates in coding and billing
- Identify pay-for-performance and diagnosis-related groups in coding and billing
- Utilize physician extenders for billing in the ICU

**6:30 a.m. - 7:30 a.m.** > Continental Breakfast
**7:30 a.m. - 8:00 a.m.** > Evaluation and Management Billing
  - Eric A. TOSCHLOG
**8:00 a.m. - 8:30 a.m.** > Sorting Complex Care from Critical Care
  - George A. SAMPLE
**8:30 a.m. - 9:00 a.m.** > Different Care Models in Billing
  - Nancy L. MUNRO, George A. SAMPLE
**9:00 a.m. - 9:30 a.m.** > Implications of Patient Safety and Affordability Act
  - Walter A. BOYLE III
**9:30 a.m. - 10:00 a.m.** > Break
**10:00 a.m. - 10:30 a.m.** > ICU Procedures and Modifiers
  - Christine C. TOEVS
**10:30 a.m. - 11:00 a.m.** > Pay for Performance and Physician Quality Reporting System
  - Brenda G. FAHY
**11:00 a.m. - 11:30 a.m.** > Billing Practice Management (Filing, Appeals, Compliance)
  - Allan S. PHILP
**11:30 a.m. - 12:00 p.m.** > Alphabet Soup of Codes
  - Alan LISBON
**12:00 p.m. - 12:30 p.m.** > Breakout Sessions
  - Evaluation and Management Billing
  - Surgical Billing
  - Pay for Performance
  - Advanced Practice Provider
  - Healthcare Reform
  - Alphabet Soup
**12:30 p.m. - 1:00 p.m.** > Questions and Answers
  - Daniel R. BROWN

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**C** = Puerto Rico Convention Center  **S** = Sheraton  **H** = Caribe Hilton  **$** = Additional charge to attend  **T** = Ticketed session
Fundamental Critical Care Support Instructor Course

Moderator: David J. DRIES

**LEARNING OBJECTIVES**
- Review the basic principles of selected critical care topics
- Discuss teaching techniques for lectures and interactive small group sessions
- Outline policies and procedures for sponsoring a Fundamental Critical Care Support (FCCS) course

**Schedule of Events**

8:00 A.M. - 5:30 P.M.  SAN CRISTOBAL BALLROOM A

- **PRE-Congress Educational Session**

**Fundamental Critical Care Support Instructor Course**

**Moderator: David J. DRIES**

**LEARNING OBJECTIVES**
- Review the basic principles of selected critical care topics
- Discuss teaching techniques for lectures and interactive small group sessions
- Outline policies and procedures for sponsoring a Fundamental Critical Care Support (FCCS) course

7:00 a.m. - 8:00 a.m.
- Continental Breakfast

8:00 a.m. - 8:30 a.m.
- Welcome/FCCS Overview of the 5th Edition
  - David J. DRIES

8:30 a.m. - 9:00 a.m.
- Diagnosis and Management of Acute Respiratory Failure
  - Rahul NANCHAL

9:00 a.m. - 9:30 a.m.
- Monitoring Oxygen Balance and Acid-Base Status
  - Janice L. ZIMMERMAN

9:30 a.m. - 10:00 a.m.
- Diagnosis and Management of Shock
  - Babak SARANI

10:00 a.m. - 10:30 a.m.
- Mechanical Ventilation I
  - Edgar JIMENEZ

10:30 a.m. - 10:45 a.m.
- Break

10:45 a.m. - 11:15 a.m.
- Mechanical Ventilation II
  - Rahul NANCHAL

11:15 a.m. - 11:45 a.m.
- Neurologic Support
  - Thomas P. BLECK

11:45 a.m. - 12:15 p.m.
- Acute Coronary Syndromes
  - Janice L. ZIMMERMAN

12:15 p.m. - 12:45 p.m.
- Basic Trauma and Burn Support
  - Mary J. REED

12:45 p.m. - 1:45 p.m.
- Lunch

**Continued**

1:45 p.m. - 2:15 p.m.
- Instructor Agendas and Curriculum
  - Gregory H. BOTZ, Janice L. ZIMMERMAN

2:15 p.m. - 2:30 p.m.
- Teaching the 5th Edition Skill Stations
  - Gregory H. BOTZ

2:30 p.m. - 4:30 p.m.
- Skill Stations
  - Assessment
    - Gregory H. BOTZ, Sophia C. RODGERS
  - Mechanical Ventilation
    - Brittany Ann WILLIAMS, David J. DRIES
  - Resuscitation
    - Rahul NANCHAL, Mary J. REED
  - Integration
    - Keith KILLU, Marie R. BALDISSERI

4:30 p.m. - 5:30 p.m.
- Post-Test and Course Evaluation
  - David J. DRIES

Transportation to and from the Caribe Hilton Hotel for the PFCCS and FDM Courses will depart promptly at 6:45am from outside the Puerto Rico Convention Center. Return buses will depart the Caribe Hilton Hotel between 4:45pm-5:45pm and drop off at the Puerto Rico Convention Center.
SUNDAY, JANUARY 20, 2013

8:00 A.M. - 9:30 A.M. BALLROOM AB
• OPENING SESSION
• PLENARY SESSION
• SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

2013 Presidential Address
Carol THOMPSON, PhD, CCRN, ACNP, FCCM
Professor of Critical Care Nursing
University of Tennessee Health Sciences Center
Memphis, Tennessee, USA

ICU-Acquired Weakness: Obstacles and Interventions in Recovery
Cheryl J. MISAK, MA, DPhil
Vice President and Provost
University of Toronto
Toronto, Ontario, Canada

Moderator: Samuel A. TISHERMAN
LEARNING OBJECTIVES
• Define ICU-acquired weakness from the perspectives of both critical care researchers and the patient
• Discuss obstacles preventing rehabilitation after ICU-acquired weakness
• Identify strategies to help patients recover from the debilitating effects of ICU-acquired weakness

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 102
Safe Medication Use Guidelines
Moderator: Sandra L. KANE-GILL
LEARNING OBJECTIVES
• Apply evidence-based recommendations for safe practices in the distribution and administration of drugs
• Identify what technology effectively reduces medication errors and adverse drug events in the ICU
• Discuss best practices for developing an active medication surveillance system

10:30 a.m. - 10:50 a.m.
> Safe Practices for the Distribution and Administration of Drugs
Mitchell S. BUCKLEY
10:50 a.m. - 11:10 a.m.
> Incorporating Technology into Safe Medication Practices
Sandeep DEVABHAKTHUNI
11:10 a.m. - 11:30 a.m.
> Developing a Medication Safety Surveillance
Sandra L. KANE-GILL

10:30 A.M. - 12:30 P.M. BALLROOM A
• JOINT SCCM/ESICM SESSION
• SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL
Surviving Sepsis Campaign: 2012 Guidelines
Moderators: Jean-Daniel CHICHE, Clifford S. DEUTSCHMAN
LEARNING OBJECTIVES
• Review the methodology of the Surviving Sepsis Campaign (SSC)
• Discuss the development of clinical practice guidelines and bundles
• Discuss the need for a minimum standard of care in the management of sepsis and the efficacy of global performance improvement initiatives

10:30 a.m. - 10:50 a.m.
> The SSC Guidelines: Using a Limited Evidence Base to Guide Clinical Practice
R. Phillip DELLINGER
10:50 a.m. - 11:10 a.m.
> The SSC Improvement Initiative: The 2012 Revised Sepsis Bundles
Mitchell M. LEVY
11:10 a.m. - 11:30 a.m.
> Sepsis Performance Metrics: What Is on the Horizon for Regulatory Agencies?
Sean R. TOWNSEND
11:30 a.m. - 11:50 a.m.
> The Global SSC: Regional and National Variation in Performance
Richard J. BEALE
11:50 a.m. - 12:10 p.m.
> SSC Phase IV: What’s Next?
Andrew RHODES
12:10 p.m. - 12:30 p.m.
> Panel Discussion
Richard J. BEALE, R. Phillip DELLINGER, Mitchell M. LEVY, Andrew RHODES, Sean R. TOWNSEND

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Update on Mechanical Ventilation

Moderator: Neil R. MacINTYRE

LEARNING OBJECTIVES
• Recognize utility of low tidal volume ventilation and identify transition point to patient-centered ventilation
• Identify and enumerate the modalities of nonventilatory modes of ventilatory support and their implications
• Recognize differences, as well as the advantages and disadvantages, of pressure- and volume-limited ventilation

10:30 a.m. - 10:50 a.m.
> Transitioning from Lung-Protective Strategies to Patient-Driven Ventilation
  Neil R. MacINTYRE
10:55 a.m. - 11:15 a.m.
> Nonventilatory Modes of Lung Support
  James M. BLUM
11:20 a.m. - 11:40 a.m.
> Is the Pressure Versus Volume Controversy Settled?
  John J. MARINI
11:45 a.m. - 12:05 p.m.
> Ventilating the Unusually Difficult Acute Respiratory Distress Syndrome Patient
  Roy G. BROWER
12:10 p.m. - 12:30 p.m.
> Question and Answer
  James M. BLUM, Roy G. BROWER, Neil R. MacINTYRE, Roy G. BROWER

Anticoagulation and Devices

Moderator: Paul A. CHECCHIA

LEARNING OBJECTIVES
• Describe the science of coagulation as it relates to implantable devices
• Evaluate the latest outcomes data regarding ventricular assist devices (VAD) and coagulation therapy
• Compare the different requirements for circulation devices
• Discuss the key components for monitoring

10:30 a.m. - 11:00 a.m.
> The Science of Anticoagulation for Assist Devices
  Mark Edwin NUNNALLY
11:00 a.m. - 11:30 a.m.
> Evolution of Thromboembolic Risk and Outcomes in VAD Patients
  Srinivas MURALI
11:30 a.m. - 12:00 p.m.
> VAD-Specific Therapies
  Christopher PACIULLO
12:00 p.m. - 12:30 p.m.
> Monitoring What Matters with Device-Driven Circulation
  Michael H. WALL

Ageism in the ICU: When Barriers Get in the Way

Moderator: Timothy S. YEH

LEARNING OBJECTIVES
• Explore the nursing and clinical challenges posed by caring for pediatric patients in adult units and adults in pediatric units
• Discuss the needs of in-hospital code teams responding to infant or pediatric arrests

10:30 a.m. - 11:00 a.m.
> Caring for Patients Across the Age Spectrum
  Shari SIMONE
11:00 a.m. - 11:30 a.m.
> Response to Pediatric Arrests by Adult Medical Teams (and Vice Versa)
  Vinay M. NADKARNI
11:30 a.m. - 12:00 p.m.
> Case-Based Discussions: Kids in the Adult ICU
  Cherylee W. CHANG
12:00 p.m. - 12:30 p.m.
> Case-Based Discussions: Adults in the Pediatric ICU
  Charlene LEONARD
Military Medicine: Lessons Learned from a Decade of Caring for Combat Casualties
Moderator: Kevin K. CHUNG

LEARNING OBJECTIVES
• Assess the historical impact of lessons learned during military conflict and apply results to the civilian sector
• Describe advances in the critical care of combat casualties
• Assess how recent military advances have impacted the care of the critically injured at home

10:30 a.m. - 10:50 a.m.
> Military Contributions to Critical Care Medicine: A Historical Perspective
  J. Christopher FARMER
10:55 a.m. - 11:15 a.m.
> Joint Theater Trauma System: Impact of Standardizing Practice During Wartime
  Warren C. DORLAC
11:20 a.m. - 11:40 a.m.
> Evolution of U.S. Air Force Critical Care Air Transport
  Phillip E. MASON
11:45 a.m. - 12:05 p.m.
> Damage Control Surgery and Resuscitation in the Modern Combat Era
  Joseph J. DuBOSE
12:10 p.m. - 12:30 p.m.
> Pediatric Trauma During Combat Military Operations
  Matthew A. BORGMAN

Defining the Goals of Resuscitation
Moderator: Michael R. PINSKY

LEARNING OBJECTIVES
• Identify the physiologic rationale for goal-directed therapy
• Discuss specific hemodynamic and oxygen transport goals for critical care surgical patients
• Discuss key concepts, controversies, and recent findings regarding early goal-directed therapy for sepsis

10:30 a.m. - 10:50 a.m.
> Rationale for Goal-Directed Therapy
  Michael R. PINSKY
10:55 a.m. - 11:15 a.m.
> Optimization of High-Risk Surgical Patients
  Tong J. GAN
11:20 a.m. - 12:00 p.m.
> Emergency Early Goal-Directed Therapy for Severe Sepsis
  Emanuel P. RIVERS
12:10 p.m. - 12:30 p.m.
> What Do We Know and How Can We Use It Today?
  Derek C. ANGUS

Neuroprognostication: Trying to Find the Crystal Ball
Moderator: Cherylee W. CHANG

LEARNING OBJECTIVES
• Evaluate the different modalities that help determine outcome following acute brain injury
• Assess the downside of using a prognostic indicator in the ethics of withdrawing aggressive care
• Discuss possibilities for the future
• Discuss traumatic brain injury issues in pediatrics

10:30 a.m. - 11:00 a.m.
> Tools for Prognosis with Stroke Patients
  David M. GREER
11:00 a.m. - 11:30 a.m.
> Traumatic Brain Injury and Spinal Cord Injury: Will They Ever Wake Up or Walk Again?
  William M. COPLIN
11:30 a.m. - 12:00 p.m.
> Hypoxic-Ischemic Coma and Reanimation: How and When Do You Know?
  Michel TORBEY
12:00 p.m. - 12:30 p.m.
> Issues in Pediatric Brain Injury: How Do Patients Do in the Long Term?
  Alexis Ann TOPJIAN

Obesity Care in the ICU
Moderator: Marion F. WINKLER

LEARNING OBJECTIVE
• Explore the effect of obesity on mechanical ventilation support and weaning, nutritional support, routine care, and compliance with care metrics

10:30 a.m. - 10:50 a.m.
> Obesity Physiology: Girth Plus Inflammation
  Jennifer Melissa KAPLAN
10:55 a.m. - 11:15 a.m.
> Mechanical Ventilation Challenges in the Severely Obese Patient
  Louis BRUSCO Jr.
11:20 a.m. - 11:40 a.m.
> Dosing and Monitoring Nutritional Prescriptions in the Clinically Severely Obese
  Marion F. WINKLER
11:45 a.m. - 12:05 p.m.
> Bedside Management Challenges in the Morbidly Obese
  Kenneth A. LYNCH Jr.
12:10 p.m. - 12:30 p.m.
> Dosing Medications in the Morbidly Obese: Is More Better?
  Brian L. ERSTAD
Post-Intensive Care Syndrome (PICS): Improving the Future of ICU Patients

Moderators: Mark E. MIKKELEN, Hannah WUNSCH

LEARNING OBJECTIVES
- Apply current knowledge of post-intensive care syndrome (PICS) to improve outcome
- Discuss approaches to improve the family ICU experience
- Describe the components of the SCCM PICS Initiative

11:30 a.m. - 11:50 a.m. > What Can We Do Better to Improve Patient Outcomes?
  Theodore J. IWASHYNA
11:50 a.m. - 12:10 p.m. > Improving the Family ICU Experience
  Judy E. DAVIDSON
12:10 p.m. - 12:30 p.m. > The SCCM PICS Initiative
  Ramona O. HOPKINS

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/ccc42app.

Professor Walk Rounds
Many categories have been split among multiple Poster Moderators, who will be starting at various posters as listed below.
- Research Citation Finalists - 101-130
- Administration 1 - 131-138
- Administration 2 - 139-146
- Administration 3 - 147-154
- Administration 4 - 155-163
- Basic Science Cardiovascular - 164-170
- Basic Science Infection - 171-178
- Basic Science Hematology - 179-187
- Basic Science Neurology 1 - 188-194
- Basic Science Neurology 2 - 195-201
- Basic Science Pulmonary - 202-208
- Basic Science Sepsis 1 - 209-215
- Basic Science Sepsis 2 - 216-222
- Burns /Trauma 1 - 223-231
- Burns /Trauma 2 - 232-240
- Burns /Trauma 3 - 241-249
- Cardiovascular – Diagnostics - 250-259
- Cardiovascular – Monitoring 1 - 260-269
- Cardiovascular – Monitoring 2 - 270-278
- Cardiovascular – Therapeutics 1 - 279-287
- Cardiovascular – Therapeutics 2 - 288-295
- Endocrine 1 - 296-305
- Endocrine 2 - 306-316
- GI/Nutrition 1 - 317-325
- GI/Nutrition 2 - 326-334
- Hematology - 335-344
- Infection 1 - 345-353
- Infection 2 - 354-361
- Infection 3 - 362-370
- Neurology 1 - 371-380
- Neurology 2 - 381-389
- Neurology 3 - 390-398
- Pulmonary 1 - 399-408
- Pulmonary 2 - 409-417
- Pulmonary 3 - 418-427
- Mechanical Ventilation 1 - 428-436
At the Bedside in the ICU: Knowing What to Do and Who to Believe

Brian P. KAVANAGH, MB, FRCPC
Staff Physician, Pediatric ICU
Hospital for Sick Children
Toronto, Ontario, Canada

LEARNING OBJECTIVES
- Discuss the multiple forms of evidence that exist concerning clinical therapies
- Compare methodological rigor and clinical insight
- Explain the limitations associated with grading different types of recommendations

3:45 P.M. - 4:45 P.M.
ROOM 102

- NON-CE SESSION

Become a Fellow of the American College of Critical Care Medicine

Moderator: Gerard J. FULDA

LEARNING OBJECTIVE
- 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.
BALLROOM B

- SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

Oral Abstracts: Epidemiology/Outcomes 1

Moderators: Roy G. BROWER, Deborah J. COOK

33: Timing of Onset Phenotypes of the Acute Respiratory Distress Syndrome (ARDS) After Severe Trauma
34: Post-Traumatic ARDS: A Thing of the Past?
35: Look What the CCATT Brought in: Epidemiology of USAF Critical Care Air Transport Team Operations in Contemporary Warfare
36: Pediatric and Neonatal Extracorporeal Membrane Oxygenation: Does Center Volume Impact Mortality?
37: Agreement Between Clinical and Administrative Risk Prediction Models for Intensive Care Patients: APACHE IVA Versus University Healthsystem Consortium (UHC)
38: Pre-Hospital Serum Vitamin D Levels and Mortality Following Coronary Artery Bypass Grafting
39: Insurance Status and Outcome Following Injury: Does One Affect the Other?
40: Predictors of Mortality Following Emergency Colectomy for Clostridium difficile Colitis: An Analysis of ACS-NSQIP
Oral Abstracts: Epidemiology/Outcomes 2

Moderators: Derek C. ANGUS, J. Randall CURTIS

41: Multicenter Analysis of the Factors Associated with Unplanned Extubation in the Pediatric Intensive Care Unit
42: In Vitro Assessment of Antimicrobial Central Venous Catheters for Resistance Development in Acinetobacter spp
43: High-Sensitivity C-Reactive Protein and Risk of Sepsis
44: Polymorphism of V1B Receptor Is Associated with Increased Risk of Serious Adverse Events During Norepinephrine Infusion in Septic Shock
45: Characteristics and Outcome of Lung Transplant Patients Requiring Admission to the Medical Intensive Care Unit: One Year Study
46: Primary Payer Status Is Associated with Treatment Allocation and Clinical Outcomes After Admission for Non-Traumatic Subarachnoid Hemorrhage
48: Inflammatory and Endothelial Activation Biomarkers and Long-Term Risk of Sepsis

Oral Abstracts: Therapeutics

Moderators: Bushra A. MINA, Juliana BARR

57: Identifying Empiric Antimicrobial Therapy for Pseudomonas aeruginosa: An Antibiotic Approach Comparing CISSI and PK/PD Breakpoint Susceptibility
58: Reducing Variability Associated with Subjective Pupillary Assessment by Utilizing an Objective Instrument
59: Early Goal-Directed Sedation Versus Standard Care Sedation in Mechanically Ventilated Critically Ill Adults: A Randomized Controlled Pilot Trial
60: Before-After Comparison of a Sedation Protocol Minimizing Benzodiazepine Infusions and Favoring Early Dexmedetomidine
61: Effect of Etomidate Versus Ketamine on Intubation Success in the Emergency Department
62: Selepressin: A Novel Selective Vasopressin V1A Agonist, Reduces Norepinephrine Requirements and Shortens Duration of Organ Dysfunction in Septic Shock Patients
63: Colistin Monotherapy Versus Colistin-Plus Regimens for Treatment of Multi-Drug Resistant Nosocomial Pneumonia in Critically Ill Patients
64: A Multi-Professional Early Morning Weaning Protocol Decreases Ventilator Days and VAP Rates in a Mature Surgical ICU

Oral Abstracts: CPR/Resuscitation

Moderators: Lance B. BECKER, Wanchun TANG

25: Effect of Valproic Acid on Survival and Neurologic Outcome in Asphyxial Cardiac Arrest Model of Rats
26: Is Fluid Administration Within Six Hours Early Enough for Better Patient Outcomes in Sepsis and Septic Shock?
27: Niacin Suppresses the Mitogen-Activated Protein Kinase Pathway and Attenuates Brain Injury After Cardiac Arrest in Rats
28: Postconditioning with Inhaled Sevoflurane at the Initiation of CPR Improves Hemodynamics and Mitigates Post-Cardiac Arrest Myocardial Injury After 15 Minutes of Untreated Ventricular Fibrillation
29: Renal Dysfunction Is Common Following Resuscitation from Out-of-Hospital Cardiac Arrest
30: Higher Hematocrit Level Is Associated with Worse Outcome in Post-Cardiac Arrest Patients Undergoing Therapeutic Hypothermia
31: Hydrogen Sulfide as a Pharmacologic Adjunct to Resuscitation in a Porcine Model of Severe Hemorrhage and Ischemia-Reperfusion Injury
32: Phenytoin Concentrations Are Elevated in Children Receiving Therapeutic Hypothermia Following Traumatic Brain Injury

Oral Abstracts: Basic Science - Inflammation

Moderators: Raj ANEJA, Thomas P. SHANLEY

9: The Effects of Olive Oil Versus LCT/MCT-Based Lipid Emulsions Upon the Inflammatory Markers of Critically Ill Patients in Need of Parenteral Nutrition
10: Mitochondrial Transcription Factor A (TFAM): A Danger Signal Released from Damaged Cells, Promotes an Innate Immune in Through Rage and TLR9 Signaling Pathways
11: Impact of Imipenem Treatment on Colonic Mycobiota in Rats with Double-Hit Sepsis
12: Micro-Patterned Surfaces for Reducing Bacterial Biofilm Formation on Endotracheal Tubes: A Novel Approach to Decreasing the Incidence of Ventilator-Associated Pneumonia
13: Activation of AMPK Reduces Acute Renal Failure and Hepatic Injury in a Rodent Model of Sepsis
14: Role of Substance P Inhibition in Attenuating Inflammation in Murine Septic Peritonitis
15: Cytokine Levels Identify Clinical Subgroups of Sepsis Patients
16: Drosophila Model of Sepsis and Ageing: A Preliminary Report on a Novel Model with Morbid and Mortal Endpoints
**Oral Abstracts: Clinical Medicine**

**Moderators: Greg S. MARTIN, Jean-Louis VINCENT**

17: The Role of LV Diastolic Dysfunction and RV Dilatation in Troponin Elevations and Mortality from Severe Sepsis and Septic Shock

18: Early Standardized Echocardiography Improves Survival in Patients with Shock

19: Longer PRBC Storage Time Is Associated with Reduced Innate Immune Function in Transfused Critically Ill Pediatric Trauma Patients

20: Impact of Myocardial Injury After Subarachnoid Hemorrhage (SAHMI) Upon Perfusion

21: Early Detection of Acute Lung Injury in Critically Ill Patients Using a Mathematical Inference Model

22: Polymorphism of Angiopoietin-1 RS4324901 Is Associated with Increased Fluid Overload and Mortality of Septic Shock

23: Discovery of a Novel Outcome Prognosticator for Sepsis with Therapeutic Implications: Decreased Serum 1,25-Dihydroxyvitamin D

24: Pre-Hospital Vitamin D Deficiency and Sepsis in the Critically Ill

**Oral Abstracts: Administration - Education**

**Moderators: Mitchell P. FINK, Richard H. SAVEI**

1: Safety and Efficacy of the ABCDE Bundle in Critically-Ill Patients Receiving Mechanical Ventilation

2: Road Blocks to Institutional Review Board Approval of a Multicenter Observational Critical Care Study

3: Proactive Versus Reactive Rapid Response Systems: Decreasing Unplanned ICU Transfers

4: ICU ‘Surge Capacity’; Collaborative Telemedicine Coverage Can Safely Provide Virtual ICU Beds

5: The ABCDE Bundle Reduces the Incidence of Delirium in Non-Mechanically Ventilated Patients


7: New Duty Hours and the Effects on Prescribing Errors in the Medical Intensive Care Unit

8: Teaching and Evaluation of Professionalism and Communication in Pediatric Critical Care Medicine (PCCM) – The Fellow Perspective

**Oral Abstracts: Therapeutics - Drugs**

**Moderators: Joseph F. DASTA, Judith JACOBI**

49: Multicenter, Randomized, Controlled Study of Pyridoxalated Hemoglobin Polyoxymethylene in Distributive Shock

50: Population Pharmacokinetics (PK) of Piperacillin/Tazobactam (TZP) in Critically Ill Children

51: Pharmacokinetics of Vancomycin During Sustained Low-Efficiency Dialysis

52: Allergic Reactions Associated with Carbapenems in Patients with a History of Penicillin Allergy Versus Those with No Known Drug Allergies

53: Evaluation of Sulfobutylether-β-Cyclodextrin Sodium (SBECOD) and Voriconazole Pharmacokinetics in Critically Ill Patients Undergoing Continuous Renal Replacement Therapy (CRRT)

54: Evaluation of Corticosteroid Use in Critically Ill Patients with Acute Exacerbations of Chronic Obstructive Pulmonary Disease

55: Evaluation of Bleeding Events with Enoxaparin Following Implementation of Anti-XA Monitoring

56: Dose Response Effect of Rescue Intravenous Dextrose for Hypoglycemia in Critically Ill Patients
Monday, January 21, 2013

7:30 A.M. - 8:15 A.M. BALLROOM A
- Plenary Session
- Peter Safar Memorial Lecture
- Sesiones en este cuarto serán traducidas del inglés al español
- Simulcast in Ballroom B

2013: An ICU Odyssey

Mervyn Singer, MD
Clinical Professor of Intensive Care Medicine
Wolfson Institute of Biomedical Research
London, United Kingdom

Learning Objectives
- Summarize historical highlights and lowlights of critical care from the 18th to 21st centuries
- Recognize that many key aspects of current practice have only been belatedly rediscovered, while many more await their turn
- Consider future practice in the context of lessons learned, with ever-increasing knowledge and capabilities

8:00 A.M. – 2:30 P.M. EXHIBIT HALL
Exhibit Hall Open

8:15 A.M. – 9:15 A.M. EXHIBIT HALL
Break

9:15 A.M. - 10:15 A.M. ROOM 209
- Pro/Con Debate

Controlling Costs in an Era of $100,000 Therapeutics

Moderator: Sandra L. Kane-Gill

Learning Objective
- Compare the advantages and disadvantages of expensive therapeutics
  9:15 a.m. - 9:45 a.m.
  > New $100K Therapeutics Are Worth the Cost (Pro)
    Joseph F. Dasta
  9:45 a.m. - 10:15 a.m.
  > New $100K Therapeutics Are Worth the Cost (Con)
    Christine C. Toevs

9:15 A.M. - 10:15 A.M. SAN JUAN 5-8
- SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

Prolonged Mechanical Ventilation Issues

Moderator: Theodore J. Iwashyna

Learning Objectives
- Identify the epidemiology of prolonged mechanical ventilation and utilization of long-term acute care (LTAC) among these patients
- List the long-term outcomes, quality-of-life, and financial implications of LTAC utilization
  9:15 a.m. - 9:35 a.m.
  > Mobility in the ICU: Exercising Your Options
    Peter E. Morris
  9:35 a.m. - 9:55 a.m.
  > Long-Term Outcomes and Quality of Life in Prolonged Mechanical Ventilation
    Hannah Wunsch
  9:55 a.m. - 10:15 a.m.
  > Choosing Wisely about LTAC
    Theodore J. Iwashyna

9:15 A.M. - 11:15 A.M. BALLROOM A
- SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

Organ Crosstalk: How Organ Failure Relates to Renal Dysfunction

Moderator: Derek S. Wheeler

Learning Objectives
- Examine the principles underlying organ crosstalk
- Discuss the relationship between brain and renal dysfunction
- Discuss the relationship between heart and renal dysfunction
- Discuss the relationship between hepatic and renal dysfunction
- Discuss the relationship between pulmonary and renal dysfunction
  9:15 a.m. - 9:35 a.m.
  > The Basic Science of Organ Crosstalk
    Rajit Basu
  9:40 a.m. - 10:00 a.m.
  > Cardiorenal Syndrome
    Stuart L. Goldstein
  10:05 a.m. - 10:25 a.m.
  > Hepatorenal Syndrome
    Robert C. Albright
  10:30 a.m. - 10:50 a.m.
  > Pulmonary-Renal Syndromes
    Kai Singbartl
  10:55 a.m. - 11:15 a.m.
  > Cerebrospinal-Renal Syndromes
    Lakhmir S. Chawla

C = Puerto Rico Convention Center    S = Sheraton    H = Caribe Hilton    $ = Additional charge to attend    T = Ticketed session
9:15 A.M. - 11:15 A.M.  BALLROOM B

SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

The Effect of New Guidelines on ICU Care
Moderator: Gilles L. FRASER

LEARNING OBJECTIVES
• Explain the key concepts in recent guidelines
• Describe the process for implementing recommendations of new guidelines
• Identify the benefits and disadvantages of using guidelines

9:15 a.m. - 9:45 a.m.
> Sedation, Analgesia, Delirium Guidelines: Key Changes from 2002
    Juliana BARR
9:45 a.m. - 10:15 a.m.
> Insulin Infusion Guidelines: Maximizing Safety and Consistency
    Judith JACOBI
10:15 a.m. - 10:45 a.m.
> How to Apply Guideline Recommendations to the Care of Patients
    Gilles L. FRASER
10:45 a.m. - 11:15 a.m.
> Implementation and Beyond: Are You Actually Achieving the Intended Outcomes?
    Joseph F. DASTA

9:15 A.M. - 11:15 A.M.  ROOM 104

Controversies in the Pediatric ICU
Moderator: Alan I. FIELDS

LEARNING OBJECTIVES
• Challenge participants to envision care outside the box
• Examine the evidence supporting established paradigms
• Recognize the impact of healthcare rationing and reform

9:15 a.m. - 9:35 a.m.
> What If I Never Transfused My Patient?
    Jacques R. LACROIX
9:40 a.m. - 10:00 a.m.
> What If Attending Work Hours Were Restricted to 40 Hours Each Week?
    Alan I. FIELDS
10:05 a.m. - 10:25 a.m.
> What If I Never Ordered Another Arterial Blood Gas?
    Mark E. ROWIN
10:30 a.m. - 10:50 a.m.
> What If I Never Sedated My Patient?
    Madelyn D. KAHANA
10:55 a.m. - 11:15 a.m.
> What If the Registered Nursing Staff Were Reduced by 50%?
    Maureen A. MADDEN

9:15 A.M. - 11:15 A.M.  ROOM 208

New Approaches to Immunomodulation
Moderator: John A. KELLUM

LEARNING OBJECTIVES
• Evaluate the latest science of the immunologic response in critical illness
• Discuss the therapeutic role of cells in critical care
• Discuss the therapeutic role of plasma in critical care
• Apply new approaches to immunomodulation in critical illness

9:15 a.m. - 9:35 a.m.
> Basic Science: Immune Effector Cells and Signals
    Steven M. OPAL
9:40 a.m. - 10:00 a.m.
> Cytodepletion: Get Rid of the Cells
    Lakhmir S. CHAWLA
10:05 a.m. - 10:25 a.m.
> Plasma Exchange
    Joseph A. CARCILLO
10:30 a.m. - 10:50 a.m.
> Modulating the Chemokine Gradient: Redirect the Immune Response
    John A. KELLUM
10:55 a.m. - 11:15 a.m.
> Stem Cells: Putting in New Cells
    Lauralyn A. McINTYRE

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Comparison of ICU Systems Around the World

Moderator: Greg S. MARTIN

**LEARNING OBJECTIVES**
- Examine the primary drivers of critical care delivery systems worldwide
- Compare the organizational structure and outcomes between systems

9:15 a.m. - 9:35 a.m.  
> Critical Care in the United States  
  A. Sue CARLISLE

9:40 a.m. - 10:00 a.m.  
> Asian Critical Care  
  Charles GOMERSALL
  10:05 a.m. - 10:25 a.m.
> South African Critical Care  
  Richard E. HODGSON
  10:30 a.m. - 10:50 a.m.
> European Critical Care  
  Jean-Louis VINCENT
  10:55 a.m. - 11:15 a.m.
> Central and South American Critical Care  
  Jorge Louis HIDALGO

Postcardiac Arrest Care

Moderator: Cameron DEZFULIAN

**LEARNING OBJECTIVES**
- Discuss current concepts in postcardiac arrest care
- Appraise prognostication and outcomes after cardiac arrest

9:15 a.m. - 9:35 a.m.  
> Hypothermia  
  Stephan A. MAYER

9:40 a.m. - 10:00 a.m.  
> Myocardial Dysfunction and Hemodynamics  
  Karl B. KERN
  10:05 a.m. - 10:25 a.m.
> Coma and Brain Injury  
  Thomas P. BLECK
  10:30 a.m. - 10:50 a.m.
> Neuroprognostication  
  Clifton W. CALLAWAY
  10:55 a.m. - 11:15 a.m.
> Outcomes After In-Hospital and Out-of-Hospital Cardiac Arrest  
  Cameron DEZFULIAN

Emerging Pathogens in a Globally Warming World

Moderator: Gloria M. RODRIGUEZ-VEGA

**LEARNING OBJECTIVES**
- Discuss globally emerging pathogens
- Review diagnostic and management approaches to atypical pathogens
- Discuss the critical care aspects of cerebral and systemic malaria

9:15 a.m. - 9:45 a.m.  
> Emerging Tropical Viral Diseases  
  Jorge Luis HIDALGO
  9:45 a.m. - 10:15 a.m.
> Influenza Update  
  Robert C. HYZY
  10:15 a.m. - 10:45 a.m.
> Parasitic Infections in the ICU  
  John C. CHRISTENSON
  10:45 a.m. - 11:15 a.m.
> The Malaria Patient in the ICU  
  Pravin R. AMIN

Practical Application of Antimicrobial Management

Moderator: Scott MICEK

**LEARNING OBJECTIVES**
- Describe key factors to consider when choosing an initial antimicrobial regimen
- Explain how stewardship can affect outcome
- Identify strategies for incorporating pharmacodynamics in the decision-making process
- Describe objective data that can be used to influence duration of antimicrobial therapy

10:15 a.m. - 10:35 a.m.  
> Optimal Initial Selection of Antibiotics  
  Michael T. JOHNSON

10:35 a.m. - 10:55 a.m.  
> Practical Application of Pharmacodynamics: Beyond the Minimum Inhibitory Concentration  
  Elizabeth A. COYLE
  10:55 a.m. - 11:15 a.m.
> Less Is More: Using Objective Data to Guide Duration  
  Dustin D. SPENCER

ePosters

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Challenging Airway Issues

Moderator: Daniel R. BROWN

LEARNING OBJECTIVES:
- Describe the different nonendotracheal tube airway tools used inside and outside the ICU
- Discuss management approaches for patients with difficult airways
- Describe the management of tracheostomy emergencies

10:15 a.m. - 10:35 a.m.
> Anticipating and Managing a Difficult Airway
  Daniel A. DIEDRICH

10:35 a.m. - 10:55 a.m.
> Nonendotracheal Tube Airway Devices
  Aaron M. JOFFE

10:55 a.m. - 11:15 a.m.
> Managing Tracheostomy Emergencies
  Linda L. MORRIS

Critical Care Education: Impact of Mid-Level Healthcare Providers on Physician Training

Moderator: Steven J. LISCO

LEARNING OBJECTIVES:
- Understand the impact the increasing utilization of mid-level/collaborative providers have on critical care fellow education in the ICU
- Identify new educational opportunities inherent to the multidisciplinary team approach to care
- Identify potential conflicts and barriers to education inherent to the multidisciplinary team approach to care

12:10 p.m. - 12:30 p.m.
> Survey Recap: Findings and Forecasts with Audience Interaction
  Steven J. LISCO

12:30 p.m. - 1:30 p.m.
> Panel Discussion: Impact of Mid-level Healthcare Providers on Physician Training
  Rob GRABENKORT, Martha M. KENNEDY, Linda L. MAERZ, Stephen M. PASTORES, Omid ZAD

Bacteria as a Formidable Foe: A Basic Science Perspective

Herbert LEVINE, PhD
Professor of Bioengineering
Director, Center for Theoretical Biological Physics
Cancer Prevention and Research Institute of Texas
Austin, Texas, USA

LEARNING OBJECTIVES:
- Identify the fundamental research being done on bacterial colonies
- Discuss why we regularly underestimate the rapidity of antibiotic resistance emergence
1:15 P.M. - 2:15 P.M.  EXHIBIT HALL

Break

2:15 P.M. - 3:15 P.M.  BALLROOM A

Quality Metrics: Priorities and Application
Moderator: Sandra L. KANE-GILL

LEARNING OBJECTIVES
- State the most relevant quality metrics and rationale for prioritization
- Describe the selection and application of metrics in a multiconstitution quality improvement project
- Discuss the impact of geography on quality metrics and how to adjust priorities

2:15 p.m. - 2:35 p.m.
> What Are the Most Relevant ICU Quality Indices?
  Daniel R. BROWN
2:35 p.m. - 2:55 p.m.
> Measures of Success: What Have We Learned from Statewide Initiatives?
  Bruno DiGIOVINE
2:55 p.m. - 3:15 p.m.
> Metrics: Do They Change Halfway Around the World?
  William A. BROCK

2:15 P.M. - 3:15 P.M.  BALLROOM B

Optimizing Fluid Management in Sepsis
Moderator: Jean-Louis VINCENT

LEARNING OBJECTIVES
- Describe the physiology of fluid balance in sepsis
- Describe the differences in composition and effects of common intravenous fluids
- Develop a strategy to optimize the timing of fluid administration in sepsis patients

2:15 p.m. - 2:45 p.m.
> Fluid Selection to Modulate the Sepsis Response and Prevent Organ Dysfunction
  Ronald G. PEARL
2:45 p.m. - 3:15 p.m.
> When to Transition from the Ebb to the Flow Phase of Sepsis Fluid Resuscitation
  Greg S. MARTIN

2:15 P.M. - 3:15 P.M.  ROOM 208

Novel Strategies for Postcardiac Arrest Syndrome
Moderator: Fumito ICHINOSE

LEARNING OBJECTIVES
- Discuss therapeutic updates for postcardiac arrest
- Review recommendations for managing postcardiac arrest
- Discuss outcomes of postcardiac arrest therapy

2:15 p.m. - 2:35 p.m.
> Improving Outcomes After Cardiac Arrest: CPR with Inhaled Nitric Oxide
  Fumito ICHINOSE
2:35 p.m. - 2:55 p.m.
> Emerging Therapeutic Concepts Postcardiac Arrest
  Stephen TRZECIAK
2:55 p.m. - 3:15 p.m.
> Update on Outcomes of Postcardiac Arrest Therapy
  David M. GREER

2:15 P.M. - 3:15 P.M.  ROOM 209

Year in Review: Pharmacy
Moderator: Gail GESIN

LEARNING OBJECTIVES
- Evaluate relevant infectious disease studies
- Review recent literature related to nutrition support in the critically ill patient
- Discuss current data associated with managing anticoagulation in the critically ill patient

2:15 p.m. - 2:35 p.m.
> Infectious Diseases
  Simon W. LAM
2:35 p.m. - 2:55 p.m.
> Nutrition
  Scott W. MUELLER
2:55 p.m. - 3:15 p.m.
> Anticoagulation
  Todd A. MIANO

2:15 P.M. - 3:15 P.M.  ROOM 201

DNP and PhD in Nursing: Creating Optimal Collaboration
Moderator: Lauren R. SORCE

LEARNING OBJECTIVES
- Compare and contrast the attributes of the Doctor of Philosophy (PhD) and Doctor of Nursing Practice (DNP) degrees for the advanced practice nurse
- Discuss the contributions that DNP- and PhD-educated nurses make in the critical care setting

2:15 p.m. - 2:45 p.m.
> Comparison of DNP and PhD Attributes
  Shari SIMONE
2:45 p.m. - 3:15 p.m.
> Impact of DNP and PhD Nurses in Critical Care
  Karin E. REUTER-RICE
2:15 P.M. - 3:15 P.M.  ROOM 202

Improving Critical Care Education

Moderator: William S. MILES

LEARNING OBJECTIVES
- Discuss the impact of work hour restrictions on education
- Assess the impact of asymmetric team knowledge on patient care
- Examine the role and benefits of technology in education

2:15 p.m. - 2:35 p.m.
> How Have the Work Hour Restrictions Affected Critical Care Training?
  William S. MILES
2:35 p.m. - 2:55 p.m.
> Multidisciplinary Education: Getting Everyone on the Same Page
  Richard E. HODGSON
2:55 p.m. - 3:15 p.m.
> Optimizing Educational Resources Using New Technologies
  Marisa MIZE

2:15 P.M. - 3:15 P.M.  ROOM 102

The Effect of Multiple Organ Dysfunction on the Brain

Moderator: Cherylee W. CHANG

LEARNING OBJECTIVES
- Review the effects of sepsis on the central nervous system
- Review the relationship between multiple organ dysfunction and the brain

2:15 p.m. - 2:35 p.m.
> Sepsis and the Brain
  Robert D. STEVENS
2:35 p.m. - 2:55 p.m.
> Kidney and Brain Failure
  Cherylee W. CHANG
2:55 p.m. - 3:15 p.m.
> Hepatic Failure and the Brain
  Mark WAINWRIGHT

2:15 P.M. - 3:15 P.M.  MIRAMAR BALLROOM

Ethical Issues in a Disaster

Moderator: Marie R. BALDISSERI

LEARNING OBJECTIVES
- Identify the concept of triage of critically ill victims
- Explore methods to increase ICU surge capacity after a disaster
- List the requirements for surge capacity and disaster care management

2:15 p.m. - 2:35 p.m.
> Triage During a Disaster
  Dennis A. TAYLOR
2:35 p.m. - 2:55 p.m.
> Ethical Allocation of Scarce Resources During Disasters
  Douglas B. WHITE
2:55 p.m. - 3:15 p.m.
> Preparing Your ICU for a Disaster
  J. Christopher FARMER

2:15 P.M. - 3:15 P.M.  SAN JUAN 1-4

Resuscativive Endocrinology

Moderator: Derek C. ANGUS

LEARNING OBJECTIVES
- Define the resuscitation outcome differences associated with gender and race
- Discuss the cytoprotective role of hormones in trauma

2:15 p.m. - 2:45 p.m.
> Gender and Outcome Differences in Resuscitation
  Derek C. ANGUS
2:45 p.m. - 3:15 p.m.
> Cytoprotective Role of Hormones in Trauma
  Irshad H. CHAUDRY

2:15 P.M. - 3:15 P.M.  SAN JUAN 5-8

Immunosuppression in the ICU

Moderator: Richard S. HOTCHKISS

LEARNING OBJECTIVES
- Explain the role and effects of chemotherapeutics in critically ill patients
- Apply immunologic principles to the care of the critically ill transplant patient
- Apply the science of the aging immune system to the care of elderly ICU patients

2:15 p.m. - 2:35 p.m.
> Immune Defects and Infection Risk: How to Assess
  Anand KUMAR
2:35 p.m. - 2:55 p.m.
> Transplant Immunosuppression in the ICU
  Peter K. LINDEN
2:55 p.m. - 3:15 p.m.
> Immunosenescence
  Richard S. HOTCHKISS

3:30 P.M. - 5:00 P.M.  BALLROOM B

Strategies for Preventing and Treating Pain, Agitation & Delirium in Clinical Practice

Supported by an educational grant from Hospira, Inc.

Moderator: Juliana BARR

LEARNING OBJECTIVES
- Identify the new strategies within the pain, agitation, and delirium (PAD) guidelines
- Describe effective implementation strategies
- Evaluate performance metrics

Continued ➤
Strategies for Preventing and Treating PAD..., Continued

3:30 p.m. - 4:00 p.m.
> New Strategies for Preventing and Treating PAD in ICU Patients
  Aaron M. JOFFE
4:00 p.m. - 4:30 p.m.
> An Integrated Approach to Implementing the PAD Clinical Practice Guidelines
  Juliana BARR
4:30 p.m. - 5:00 p.m.
> Performance Metrics
  Judy E. DAVIDSON

Recognition, Identification, and Management..., Continued

- Evaluate monitoring strategies and the interpretation of commonly available coagulation laboratory assays, key biomarkers, and transfusion algorithms
- Review the platelet-endothelial interactions associated with acquired coagulopathy in the ICU
- Organize new clinical data into strategies for reversing and managing acquired coagulopathy and restoring perioperative hemostasis

3:30 p.m. - 4:00 p.m.
> Introduction and Overview of Hemostatic Abnormalities Encountered in the ICU
  Aryeh SHANDER
4:00 p.m. - 4:30 p.m.
> Platelet-Endothelial Interactions Associated with Acquired Coagulopathy in the ICU
  Mark CROWTHER
4:30 p.m. - 5:00 p.m.
> Managing Patients Sustaining ICH While on Oral Anticoagulant Therapy
  Mark D. CIPOLLE

3:30 P.M. - 5:00 P.M.  ROOM 208

- AFTERNOON SYMPOSIUM

Improving Outcomes in the Neurological Critical Care Patient with Decreased Sodium Levels

Supported by an educational grant from Otsuka America Pharmaceutical, Inc.

Moderator: Mitchell S. BUCKLEY

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

3:30 p.m. - 3:55 p.m.
> Understanding the Risks of Decreased Sodium Levels in the Neurological ICU Patient
  John A. KELLUM
3:55 p.m. - 4:20 p.m.
> A Review of the Guidelines: Existing and Emerging Data on Managing Serum Sodium Levels
  Mitchell S. BUCKLEY
4:20 p.m. - 4:45 p.m.
> Improving Outcomes in the Neurological Critical Care Patient
  William M. COPLIN
4:45 p.m. - 5:00 p.m.
> Panel Discussion

Maximizing Clinical and Surgical Outcomes with Immunonutrition

Supported by an educational grant from Nestlé HealthCare Nutrition, Inc.

Moderator: Ainsley MALONE

LEARNING OBJECTIVES
- Define immunonutrition and describe its use as a therapeutic approach in critical care
- Examine the mechanisms of omega-3 fatty acids in inflammation
- Discuss the outcomes and cost-effectiveness associated with the use of immunonutrients in surgical patients

3:30 p.m. - 4:00 p.m.
> Immunonutrition: A Historical Perspective and Current Recommendations
  Ainsley MALONE
4:00 p.m. - 4:30 p.m.
> Fish Oil in Critical Illness: Mechanisms and Clinical Applications
  Paul WISCHMEYER
4:30 p.m. - 5:00 p.m.
> The Impact of Immunonutrients in Surgical Patients
  Robert MARTINDALE

3:30 P.M. - 5:00 P.M.  ROOM 209

- AFTERNOON SYMPOSIUM

Recognition, Identification, and Management of Acquired Coagulopathy in Critically Ill Patients

Supported by an educational grant from CSL Behring

Moderator: Aryeh SHANDER

LEARNING OBJECTIVES
- Review the prevalence, pathophysiology, clinical assessment, and risk factors of acquired coagulopathy in critically ill patients

Continued ☰
TUESDAY, JANUARY 22, 2013

7:30 A.M. - 8:15 A.M. BALLROOM A
- PLenary SESSION
- WILLIAM SHoemaker HONORARY LECTURE
- SESiones en este Cuarto serán traducidas del inglés al español
- SIMULCAST in BALLROOM B

Critical Care in the Era of Health Reform: Leading the Way to Outstanding Patient Outcomes

Alfred F. Connors Jr., MD
Chief Medical Officer
Senior Vice President Medical Affairs
The MetroHealth System
Cleveland, Ohio, USA

LEARNING OBJECTIVES
- Review the underlying principles of quality improvement and outcomes assessment and their relationship to health system quality and safety
- Describe effective quality initiatives from critical care that influence outcomes across the continuum of care
- Assess the controversial aspects of healthcare reform and quality that will most affect critical care medicine

9:15 A.M. - 10:15 A.M. ROOM 104

Technology Applications in Liver Failure

Moderator: Katherine V. Biagas

LEARNING OBJECTIVES
- Describe emerging technologies for managing acute-on-chronic hepatic dysfunction
- Explore controversies in monitoring and managing liver failure-associated intracranial pressure
- Mechanical Support of Hepatic Failure: Applications of Plasma Exchange Versus Molecular Adsorbent Recirculating System
  Ann E. Thompson
  9:35 a.m. - 9:55 a.m.
- Fulminant Failure and Managing the Central Nervous System
  Robert S.B. Clark
  9:55 a.m. - 10:15 a.m.
- Change to Essentials of Nursing Practice for Hepatic Dysfunction
  Lauren R. Sorce

9:15 A.M. - 11:15 A.M. BALLROOM B
- SESiones en este Cuarto serán traducidas del inglés al español

Critical Complications of Pregnancy

Moderator: Marie R. Baldisseri

LEARNING OBJECTIVES
- Review the physiology of blood pressure in pregnancy
- Compare the therapies available for hypertensive crisis
- Identify the organ failures associated with critical illness in pregnancy
- Apply physiologic principles to the rational dosing of pharmaceuticals in the pregnant patient
- Hypertensive Emergencies in Pregnancy
  Marie R. Baldisseri
  9:15 a.m. - 9:45 a.m.
- Hemolysis, Elevated Liver Enzymes, and Low Platelet Count Syndrome
  Sara Nikravan
  9:45 a.m. - 10:15 a.m.
- Mechanical Ventilation Considerations for the Critically Ill Pregnant Patient
  Allan S. Philp
  10:15 a.m. - 10:45 a.m.
- Review of Medications Commonly Used in Pregnancy and Critical Illness
  Lisa Burry
  10:45 a.m. - 11:15 a.m.

Exhibit Hall Open

8:00 A.M. - 2:30 P.M.

Break
Immunoparalysis
Moderator: Joseph A. CARCILLO

LEARNING OBJECTIVES
- Discuss the impact of immunoparalysis on patient outcome
- Examine the cellular mechanisms and pathophysiology of immunoparalysis
- Review the recent clinical tests of immune modification

9:15 a.m. - 9:35 a.m.
> The Pathophysiology of Immunoparalysis in Adults
  Hans Dieter VOLK

9:40 a.m. - 10:00 a.m.
> The Pathophysiology of Immunoparalysis in Children
  Mark W. HALL

10:05 a.m. - 10:25 a.m.
> The Basic Science of Immunoparalysis Following Trauma
  Alfred AYALA

10:30 a.m. - 10:50 a.m.
> Immunoparalysis Following Cardiac Surgery
  Thomas P. SHANLEY

10:55 a.m. - 11:15 a.m.
> Clinical Implications of Immunoparalysis in Adults
  Richard S. HOTCHKISS

Making the Case for Telemedicine
Moderator: Marc T. ZUBROW

LEARNING OBJECTIVES
- Review recent literature on clinical outcomes
- Discuss the financial implications of providing and receiving telemedicine services
- Review quality initiatives specifically utilizing telemedicine technology

9:15 a.m. - 9:45 a.m.
> Making the Clinical Case for Tele-ICU
  Matthew Michael McCAMBRIDGE

9:45 a.m. - 10:15 a.m.
> Making the Financial Case for Tele-ICU
  Craig M. LILLY

10:15 a.m. - 10:45 a.m.
> Making the Quality Case for Tele-ICU
  Michael H. RIES

10:45 a.m. - 11:15 a.m.
> Faculty Panel Discussion with Q & A
  Craig M. LILLY, Matthew Michael McCAMBRIDGE, Michael H. RIES

Ensuring Patient- and Family-Centered ICU Care
Moderator: Diane BYRUM

LEARNING OBJECTIVES
- Describe the components of effective ICU family meetings
- Describe the repercussions of prolonged ICU admission on patients and families
- Compare methods for successful ICU family meetings in closed, semi-open and open units

9:15 a.m. - 9:35 a.m.
> What Is an Optimal ICU Family Meeting?
  J. Randall CURTIS

9:40 a.m. - 10:00 a.m.
> Simple Changes to Daily Practice with Patients’ Family Members in Mind
  Kathleen A. PUNTILLO

10:05 a.m. - 10:25 a.m.
> Post-Intensive Care Syndrome
  Sanjay DESAI

10:30 a.m. - 10:50 a.m.
> Optimizing Family Meetings in Closed Units: The Medical ICU Experience
  Douglas B. WHITE

10:55 a.m. - 11:15 a.m.
> Challenges for Family Meetings in Open and Semi-Open Units: The Surgical ICU Experience
  Rebecca A. ASLAKSON

Practical Application of Nutrition Studies
Moderator: Paul WISCHMEYER

LEARNING OBJECTIVES
- Describe the results of recent pharmaconutrition and parenteral nutrition studies
- Apply the data of recent nutrition-related studies to the care of ICU patients
- Assess the controversies surrounding pharmaconutrients, probiotics and parenteral nutrition

9:15 a.m. - 9:45 a.m.
> The GLND Trial (Glutamine Supplemented Parenteral Nutrition in Surgical ICU Patients)
  Thomas R. ZIEGLER

9:45 a.m. - 10:15 a.m.
> Omega-3 Fatty Acids: Clinical Interpretation of Controversial Trials
  Alessandro PONTES-ARRUDA

10:15 a.m. - 10:45 a.m.
> Parenteral Nutrition: Interpreting New Trial Data
  Paul WISCHMEYER

10:45 a.m. - 11:15 a.m.
> Clinical Application of Probiotics
  Lee E. MORROW
Prevention of Ventilator-Associated Conditions

Moderator: Lorenzo Berra

Learning Objectives
- Discuss the incidence, diagnosis, and prevention of ventilator-associated pneumonia (VAP)
- Examine preventative measures for ventilator-associated complications (VAC)
- Examine current updates in quality measures in VAP

9:15 a.m. - 9:35 a.m.
> Diagnosis of VAP
  Charles Andrew Adams Jr.

9:40 a.m. - 10:00 a.m.
> Medical Management Strategies to Prevent VAC
  Addison K. May

10:05 a.m. - 10:25 a.m.
> Clinical Trials Assessing the Role of Modified Equipment in VAP Prevention
  Marin H. Kollef

10:30 a.m. - 10:50 a.m.
> Quality Measures and VAC
  Robert C. Hyzy

10:55 a.m. - 11:15 a.m.
> Panel Discussion
  Robert A. Balk, Clifford S. Deutschman, Nicholas S. Hill, Kathryn E. Roberts

Hemodynamic Monitoring to Optimize Shock Management

Moderator: Daniel P. De Backer

Learning Objectives
- Examine the physiological basis for the rational use of hemodynamic monitoring in the assessment of cardiovascular disease
- Identify the advantages and disadvantages of various monitoring strategies
- Develop a plan for hemodynamic monitoring customized to your patient population

9:15 a.m. - 9:45 a.m.
> Functional Hemodynamic Monitoring: What Does It Really Mean?
  Michael R. Pinsky

9:45 a.m. - 10:15 a.m.
> Functional Hemodynamic Monitoring: Practical Considerations
  Daniel P. De Backer

10:15 a.m. - 10:45 a.m.
> Bedside Echocardiography to Guide Shock Differentiation and Management
  Sajid Shahul

10:45 a.m. - 11:15 a.m.
> Personalized Stepwise Monitoring for Care Optimization
  Azriel Perel

Mechanisms of Brain Injury and Novel Therapies

Moderator: Jose Javier Provencio

Learning Objectives
- Discuss the different mechanisms of neuronal injury
- Evaluate current and future treatment strategies

9:15 a.m. - 9:35 a.m.
> Inflammation
  Jose Javier Provencio

9:40 a.m. - 10:00 a.m.
> Mitochondria and Energy Failure
  Lance B. Becker

10:05 a.m. - 10:25 a.m.
> Oxidative Stress
  Gail Pyne-Geithman

10:30 a.m. - 10:50 a.m.
> Ketones
  Neeraj Badjatia

10:55 a.m. - 11:15 a.m.
> Question and Answer
  Neeraj Badjatia, Lance B. Becker, Gail Pyne-Geithman, Jose Javier Provencio

C = Puerto Rico Convention Center  S = Sheraton  H = Caribe Hilton  $ = Additional charge to attend  T = Ticketed session
Update on Deep Venous Thrombosis and Pulmonary Embolism

Moderator: Mark Edwin NUNNALLY

LEARNING OBJECTIVES
- Review current approaches for the prevention of deep venous thrombosis (DVT) in the critically ill
- Describe approaches to the initiation and monitoring of pharmacologic agents for the treatment of DVT and pulmonary embolism (PE)
- Describe nonpharmacological approaches to the treatment of thrombosis

9:15 a.m. - 9:45 a.m.
> Risk Assessment for DVT and PE
  Stanley A. NASRAWAY

9:45 a.m. - 10:15 a.m.
> Controversies in Prevention of DVT
  Deborah J. COOK

10:15 a.m. - 10:45 a.m.
> Pharmacologic Treatment for Thromboembolic Processes
  William E. DAGER

10:45 a.m. - 11:15 a.m.
> Mechanical Means for Treating Life-Threatening PE
  Mark T. KEEGAN

Year in Review: Pediatrics

Moderator: Ken TEGTMeyer

LEARNING OBJECTIVES
- Review the past year’s critical care studies relevant to pediatric critical care
- Apply information gained from this review to practice
- Evaluate the critical care literature using an evidence-based approach

10:15 a.m. - 10:35 a.m.
> Clinical Science
  Marc D. BERG

10:35 a.m. - 10:55 a.m.
> Basic Research
  Hulya BAYIR

10:55 a.m. - 11:15 a.m.
> Quality Improvement, Safety, and Clinical Practice
  Ken TEGTMeyer

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12:30 P.M.-1:15 P.M. BALLROOM A
- PLENARY SESSION
- LIFETIME ACHIEVEMENT AWARD WINNER
- SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL
- SIMULCAST IN BALLROOM B

Tough Problem: New Therapies for Sepsis or Shock

Mitchell P. FINK, MD, MCCM
Vice Chair for Critical Care Department of Surgery Professor
David Geffen School of Medicine at UCLA
Ronald Reagan UCLA Medical Center Los Angeles, California, USA

LEARNING OBJECTIVES
- Identify the problems encountered when efforts are made to translate promising findings from preclinical studies into useful new therapies
- Appraise the past, present and future status of ethyl pyruvate as a therapeutic agent
- Discuss the current status of novel mitochondria-targeted antioxidants

1:15 P.M.-1:45 P.M. ROOM 102

SCCM Business Meeting

1:15 P.M.-2:15 P.M. EXHIBIT HALL

Break

1:30 P.M.-2:00 P.M. ROOM 103

Abstract-Based Awards Ceremony

1:45 P.M.-2:15 P.M. ROOM 102

ACCM Business Meeting

See page 16 for all ACCM activities.

2:15 P.M.-3:15 P.M. SAN JUAN 5-8

Taming the ICU: Optimizing the Environment for Patients and Providers

Moderator: Neil A. HALPERN

LEARNING OBJECTIVES
- Identify different ICU designs to promote healing in the ICU
- Discuss various technologies to manage ICU data and overcome alarm fatigue
- Why Do We Need to Create a Healing Environment?
  Owen B. SAMUELS
- Getting Out from Under Alarm Fatigue: Managing Data Overload
  Neil A. HALPERN

2:15 P.M.-3:15 P.M. MIRAMAR BALLROOM

All Drug-Resistant Organisms

Moderator: Ira M. CHEIFETZ

LEARNING OBJECTIVES
- Assess strategies to contain local outbreaks of multidrug-resistant organisms
- Evaluate risks and benefits of rapid approval processes for new antimicrobials
- Describe surveillance methods for resistant organisms
- 2013: State of Affairs of All Drug-Resistant Organisms
  Andrew SHORR
- Containing a Local Outbreak
  Jeffrey L. BLUMER
- Surveillance Methods: How to Stay One Step Ahead
  Naomi P. O’GRADY

2:15 P.M.-3:15 P.M. SAN JUAN 1-4

Year in Review: Surgery

Moderator: Matthew C. BYRNES, Sr.

LEARNING OBJECTIVES
- Review the past year’s critical care studies relevant to anesthesia
- Apply information gained from this review to clinical practice
- Literature Review
  Kaysie L. BANTON, Douglas F. NAYLOR Jr.
2:15 P.M. - 3:15 P.M.  BALLROOM A

• SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

Why Is My Patient Moving Like That?

Moderator: David M. GREER

LEARNING OBJECTIVES
• Identify the significance of unusual movements seen in the ICU
• Assess a movement disorder emergency and manage it appropriately
  2:15 p.m. - 2:35 p.m.
  > What Is That? Unusual Movements in the ICU
    Edward M. MANNO
  2:35 p.m. - 2:55 p.m.
  > Movement Disorder Emergencies
    Thomas P. BLECK
  2:55 p.m. - 3:15 p.m.
  > Parkinson Disease, Parkinsonism and Other Movement Disorders in the ICU
    David M. GREER

2:15 P.M. - 3:15 P.M.  BALLROOM B

• SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

Nonconventional Modulators of Inflammation

Moderator: Alfred AYALA

LEARNING OBJECTIVES
• Examine the expanding role of endothelial cells in inflammation
• Describe how epithelial cells affect the innate immune response
• Review the interaction between various unconventional cell lines in the immune response
  2:15 p.m. - 2:35 p.m.
  > The Innate Immune Response and the Endothelium
    Judith HELLMAN
  2:35 p.m. - 2:55 p.m.
  > T Regulatory Cells in Sepsis
    Alfred AYALA
  2:55 p.m. - 3:15 p.m.
  > The Role of the Nervous System in Inflammation
    Jose Javier PROVENCIO

2:15 P.M. - 3:15 P.M.  ROOM 208

Late Breaker

Moderator: Andrew L. ROSENBERG,
  Samuel A. TISHERMAN

LEARNING OBJECTIVES
• Discuss the outcomes from the OSCILLATE trial
• Discuss the outcomes from the ChIP trial
  2:15 p.m. - 2:45 p.m.
  > OSCILLATE Trial
    Niall Douglas FERGUSON, Maureen O. MEADE
  2:45 p.m. - 3:15 p.m.
  > ChIP Trial
    Duncan MACRAE

2:15 P.M. - 3:15 P.M.  ROOM 209

Year in Review: Internal Medicine

Moderator: Laura E. EVANS

LEARNING OBJECTIVES
• Discuss internal medicine-based research published over the previous year
• Apply the literature to critical care medicine
  2:15 p.m. - 2:45 p.m.
  > Literature Review
    Mark E. MIKKESEN
  2:45 p.m. - 3:15 p.m.
  > Literature Review
    Kristin M. BURKART

2:15 P.M. - 3:15 P.M.  ROOM 104

Fluid Resuscitation in Children

Moderator: Raj ANEJA

LEARNING OBJECTIVE
• Debate the role of fluid resuscitation in the treatment of critically ill children
  2:15 p.m. - 2:45 p.m.
  > Fluid Resuscitation Is Beneficial and Saves Lives in Critically Ill Children
    Joseph A. CARCILLO
  2:45 p.m. - 3:15 p.m.
  > Fluid Overload Is Harmful and Worsens Outcomes in Critically Ill Children
    Adrienne G. RANDOLPH

2:15 P.M. - 3:15 P.M.  ROOM 202

Nursing Research: Make It Happen

Moderator: Andrea M. KLINE

LEARNING OBJECTIVES
• Describe the development of a nursing research idea
• Discuss the implementation of a research project for bedside nurses
• Review funding sources for nursing research
  2:15 p.m. - 2:35 p.m.
  > Developing an Idea into a Research Submission
    Martha A.Q. CURLEY
  2:35 p.m. - 2:55 p.m.
  > Bringing Research Study Activities to the Bedside Nurse
    Lauren R. SORCE
  2:55 p.m. - 3:15 p.m.
  > Where Can I Get Funding for My Research?
    Marilyn HRAVNAK

= Puerto Rico Convention Center  = Sheraton  = Caribe Hilton  = Additional charge to attend  = Ticketed session
Translation Research in Cardiopulmonary Resuscitation Research: Lessons Learned

Moderator: Charles GOMERSALL

LEARNING OBJECTIVES
• Discuss how outcomes of sudden death have not changed since the introduction of cardiopulmonary resuscitation (CPR)
• Examine how many established standards of medical care are wrong or less than perfect
• Determine that cardiac arrest is not a disease and a single outcome measurement does not fit all situations

2:15 p.m. - 3:15 p.m. Room 102

A.S. LAERDAL MEMORIAL AWARD LECTURE

International Reception

International Reception

3:30 P.M. - 4:30 P.M. BALLROOM A

• SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

Neuromonitoring: Is It Useful?

Moderator: Stephan A. MAYER

LEARNING OBJECTIVES
• Evaluate new modalities of brain monitoring
• Identify the relationship between continuous electroencephalographic (EEG) monitoring and outcomes after critical illness
• Discuss brain tissue oxygenation as a possible therapeutic goal

2:30 P.m. - 6:00 P.m. POOLSIDE

International Reception

Heme in Sepsis: Not Just an Innocent Bystander

Moderator: Simon J. FINNEY

LEARNING OBJECTIVES
• Describe recent studies on the effects of free heme and hemoglobin on inflammatory responses in sepsis
• Describe evidence that free heme contributes to sepsis-induced organ failure

2:30 P.M. - 3:00 P.M. BAHIA ROOM

ACCM TOWN HALL

• SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

Delivery of Medical Care to Critically Ill Patients in Latin America

Moderator: Michael J. MURRAY

LEARNING OBJECTIVES
• Discuss how to promote prehospital and critical care to patients in an austere environment
• Assess cultural differences when managing critically ill

2:30 P.M. - 4:00 P.M.

• Critical Care in Central and South America
  Edgar JIMENEZ

3:00 p.m. - 3:30 p.m.

• Care of Critically Ill Patients after the January 12, 2010, Earthquake in Haiti
  Enrique GINZBURG

3:30 p.m. - 4:00 p.m.

• TBD
  TBD

See page 16 for all ACCM activities.
3:30 P.M. - 4:30 P.M. ROOM 208
Transformative Strategies for Quality and Safety
Moderator: Ognjen GAJIC

LEARNING OBJECTIVE
• Identify current challenges to optimizing quality care and patient safety in ICUs
3:30 p.m. - 3:50 p.m.
> Challenging the Structured, Protocol-Driven Approach to Critical Care
  Greg S. MARTIN
3:50 p.m. - 4:10 p.m.
> Re-Engineering Critical Care: AWARE and CERTAIN to Prevent DEATH
  Ognjen GAJIC
4:10 p.m. - 4:30 p.m.
> National Priorities for Innovation and Research: The Expanding Role for Community Hospitals
  Anthony MARTINEZ

3:30 P.M. - 4:30 P.M. ROOM 209
Dysrhythmias in the ICU
Moderator: Steven M. HOLLENBERG

LEARNING OBJECTIVES
• Review key components of tachycardia, bradycardia, and atrioventricular (AV) blocks
• Describe approaches to management of tachycardia, bradycardia, and AV blocks
3:30 p.m. - 3:50 p.m.
> Sinus Tachycardia: When to Treat and When to Ignore
  Steven M. HOLLENBERG
3:50 p.m. - 4:10 p.m.
> Atrial Dysrhythmias
  Srinivas MURALI
4:10 p.m. - 4:30 p.m.
> Blocks and Bradycardia
  Ricardo MARTINEZ-RUIZ

3:30 P.M. - 4:30 P.M. ROOM 104
Emerging Technologies for Organ Support
Moderator: Paul A. CHECCHIA

LEARNING OBJECTIVES
• Describe emerging technologies for organ support
• Compare the indications, utilization, and outcomes across the spectrum of age
• Identify controversies that remain in these fields
3:30 p.m. - 3:50 p.m.
> Evolving Mechanical Technologies in the Respiratory Care of the Critically Ill
  Ira M. CHEIFETZ
3:50 p.m. - 4:10 p.m.
> Respiratory Support Taken to the Extreme: Novalung Versus Venovenous Extracorporeal Membrane Oxygenation
  Heidi J. DALTON
4:10 p.m. - 4:30 p.m.
> Controversies in Cardiac Support: Ventricular Assist Devices and Beyond
  Paul A. CHECCHIA

3:30 P.M. - 4:30 P.M. ROOM 202
Year in Review: Nursing
Moderator: Kathryn M. MOORE

LEARNING OBJECTIVES
• Review the year’s critical care studies relevant to both adult and pediatric nursing
• Evaluate the literature using an evidence-based approach
• Apply information gained from this session to clinical nursing practice
3:30 p.m. - 4:00 p.m.
> Pediatric Literature Review
  Lauren R. SORCE
4:00 p.m. - 4:30 p.m.
> Adult Literature Review
  John J. WHITCOMB
Developing a Research Program in the Current Economic Era

Moderator: Michel TORBEY

LEARNING OBJECTIVES
- Review the basic needs in establishing a critical care research program
- List the challenges associated with doing research in today’s medical economic environment
- Identify industry sources of funding for critical care research

3:30 p.m. - 3:50 p.m.
> Do You Need a Doctorate in Philosophy to Successfully Compete for Federal Funding?
  J. Perren COBB
3:50 p.m. - 4:10 p.m.
> How Do I Do Clinical Research on a Shoestring Budget?
  Martha A.Q. CURLEY
4:10 p.m. - 4:30 p.m.
> How to Partner with Industry
  Jean-Louis VINCENT

Transitioning from Trainee into the Real World

Moderator: Ann E. THOMPSON

LEARNING OBJECTIVES
- Discuss the impact of the 80-hour work week on transitioning professionals
- Discuss the creation of a five-year work plan as a new faculty member
- Examine pitfalls and remedies for transitioning from bedside to advanced practice nursing

3:30 p.m. - 3:50 p.m.
> Navigating the Transition from Trainee to Faculty
  Babak SARANI
3:50 p.m. - 4:10 p.m.
> The First Five Years of the Role: How to Say No
  Ann E. THOMPSON
4:10 p.m. - 4:30 p.m.
> Going from Bedside Nurse to Advanced Practice Nurse
  Lauren R. SORCE
WEDNESDAY, JANUARY 23, 2013

8:15 A.M. - 9:00 A.M.  BALLROOM A
• PLENARY SESSION
• AKE GRENVIK HONORARY LECTURE
• SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL
• SIMULCAST IN BALLROOM B

Conflict of Interest in Medical Research
Catherine DeANGELIS, MD, MPH
Professor of Pediatrics
Johns Hopkins University
School of Medicine
Baltimore, Maryland, USA

LEARNING OBJECTIVES
• Identify types of conflicts of interest that interfere with the integrity of research
• Discuss examples of conflicts of interest that have occurred in biomedical research

9:00 A.M. - 9:30 A.M.  BALLROOM A
Break

9:30 A.M. - 10:30 A.M.  ROOM 104
Noncardiac Consequences of Congenital Heart Surgery
Moderator: Joseph D. TOBIAS

LEARNING OBJECTIVES
• Discuss the neurologic complications associated with use of cardiopulmonary bypass
• List the factors associated with morbidity during repair of cardiac defects
• Review the significant complications associated with postoperative care of the cardiac patient
9:30 a.m. - 9:50 a.m.
> Postoperative Complications in the Pediatric Cardiac Patient
Ira M. CHEIFETZ
9:50 a.m. - 10:10 a.m.
> Anesthesia and Cardiopulmonary Bypass: Factors That Complicate Pediatric Cardiac Surgery
Joseph D. TOBIAS
10:10 a.m. - 10:30 a.m.
> Neurologic Complications of Cardiopulmonary Bypass
David P. NELSON

9:30 A.M. - 10:30 A.M.  ROOM 202
Management of Cerebral Edema
Moderator: Michel TORBEY

LEARNING OBJECTIVES
• Discuss the role of osmotic therapy in the treatment of cerebral edema
• Review the role of hyperoncotic solutions in cerebral edema
• Describe the surgical management of cerebral edema
9:30 a.m. - 9:50 a.m.
> Osmotic Approach to Cerebral Edema
Thomas P. BLECK
9:50 a.m. - 10:10 a.m.
> Oncotic Approach to Cerebral Edema
Michel TORBEY
10:10 a.m. - 10:30 a.m.
> Surgical Approach to Cerebral Edema
Mark D. CIPOLE

9:30 A.M. - 11:30 A.M.  ROOM 208
Learning to Be a Leader in the ICU: Management Issues and Strategies
Moderator: Gregory E. Kerr

LEARNING OBJECTIVES
• Recognize how to build a strong working relationship with hospital administrators
• Manage challenging personalities in difficult situations found in the ICU
• Collaborate with multiple disciplines and departments to optimize implementation of shared protocols
• Identify strategies to minimize burnout in the ICU
9:30 a.m. - 10:00 a.m.
> Managing Up: Dealing with Administrators
Gregory E. KERR
10:00 a.m. - 10:30 a.m.
> Skills for Successful Leadership
Jeffry S. VENDER
10:30 a.m. - 11:00 a.m.
> Managing Throughout: Interdepartmental Relationship Building
Stephen M. SCHEXNAYDER
11:00 a.m. - 11:30 a.m.
> Creating a Culture That Prevents Burnout
Ruth M. KLEINPELL
After the Abdominal Compartment Syndrome: Fates Worse Than Death

Moderator: Marion F. WINKLER

LEARNING OBJECTIVES
- Describe some of the unique challenges in patients with open abdomens
- Discuss the management needs of the patient with an open abdomen

9:30 a.m. - 10:00 a.m.
> The Open Abdomen in the ICU and Beyond
    Mark D. CIPOLLE
10:00 a.m. - 10:30 a.m.
> Wound Care, Infections and Fistulas in the Patient with an Open Abdomen
    Charles Andrew ADAMS Jr.
10:30 a.m. - 11:00 a.m.
> Feeding the Patient with an Open Abdomen
    Marion F. WINKLER
11:00 a.m. - 11:30 a.m.
> But My Patient Can’t Have Abdominal Compartment Syndrome: Secondary and Tertiary Presentations
    Michael L. CHEATHAM

End-of-Life Care Dilemmas

Moderator: David M. GREER

LEARNING OBJECTIVES
- Examine the ethical issues and help define the end point of maintaining a patient on mechanical pulmonary-circulatory support
- Discuss the economics of prolonged critical care
- Discuss the varying international criteria for brain death
- Explore the moral and ethical dilemmas of caring for a patient with congenital illness

9:30 a.m. - 10:00 a.m.
> Mechanical Circulatory Support: When Do You Stop?
    Michael P. BANNON
10:00 a.m. - 10:30 a.m.
> End-of-Life Care in the ICU: Can We Reduce Costs and Improve Quality?
    J. Randall CURTIS
10:30 a.m. - 11:00 a.m.
> Severe Congenital Illness: Child to Adult
    John R. CHARPIE
11:00 a.m. - 11:30 a.m.
> The Range of Neurological Death
    David M. GREER

Sepsis Care: Improving Quality Through Early Systems Integration

Moderator: Christopher W. SEYMOUR

LEARNING OBJECTIVES
- Discuss the rationale for integration of critical care from the prehospital to the hospital phase
- Identify the challenges throughout an integration of care systems

9:30 a.m. - 10:00 a.m.
> Increasing Quality Through Systems of Care: Missed Opportunities in Sepsis
    Mary Ann DALY
10:00 a.m. - 10:30 a.m.
> Coordinated Emergency Care of Severe Sepsis: The Future Role of the Overcrowded Emergency Department
    Stephen TRZECIAK
10:30 a.m. - 11:00 a.m.
> Can We Model Severe Sepsis Systems After Our Trauma Experience?
    Lena M. NAPOLITANO
11:00 a.m. - 11:30 a.m.
> Regional Sepsis Centers: A Vertically Integrated Approach
    Theodore J. IWASHYNA

Updates in Acute Respiratory Distress Syndrome Therapeutics

Moderator: Scott MICEK

LEARNING OBJECTIVES
- Discuss therapeutic strategies for the treatment of acute respiratory distress syndrome (ARDS)
- Describe how and when to implement therapeutic strategies for difficult ARDS cases

9:30 a.m. - 9:50 a.m.
> Statins for Acutely Injured Lungs from Sepsis: Come SAIL Away
    Marc MOSS
9:55 a.m. - 10:15 a.m.
> Steroids
    Robert C. HYZY
10:20 a.m. - 10:40 a.m.
> Neuromuscular Blockade
    Arthur S. SLUTSKY
10:45 a.m. - 11:05 a.m.
> Fluid Management
    Greg S. MARTIN
11:10 a.m. - 11:30 a.m.
> Extracorporeal Membrane Oxygenation: Should We Really Wait Until All Else Fails?
    Ira M. CHEIFETZ

C = Puerto Rico Convention Center  S = Sheraton  H = Caribe Hilton  $ = Additional charge to attend  T = Ticketed session
9:30 A.M. - 11:30 A.M. SAN JUAN 1-4

- SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

Extracorporeal Life Support
Moderator: Steven A. CONRAD

LEARNING OBJECTIVES
- Discuss the setup and structure of an extracorporeal life support (ECLS) program
- Manage patients on emergency extracorporeal membrane oxygenation (ECMO)
- Identify drugs utilized during ECLS
- Evaluate outcomes after ECLS

9:30 a.m. - 10:00 a.m.
> ECMO Is Coming to an ICU Near You: Principles of Initiating an ECLS Program
Steven A. CONRAD
10:00 a.m. - 10:30 a.m.
> Extracorporeal Cardiopulmonary Resuscitation: Just Do It!
Heidi J. DALTON
10:30 a.m. - 11:00 a.m.
> How Much to Give and When: Managing Drugs in ECMO
Erik E. ABEL
11:00 a.m. - 11:30 a.m.
> Is It Worth All the Hassle? Outcomes After ECLS
Daniel BRODIE

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

- SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

Clinical Considerations for Drug Dosing in Specialized Populations
Moderator: Michael L. BENTLEY

LEARNING OBJECTIVES
- Describe pharmacokinetic principles and dosing strategies in geriatrics, renal failure, and heart failure
- Describe the pharmacokinetic variation that occurs with ethnic differences

9:30 a.m. - 9:50 a.m.
> Heart Failure
Toby C. TRUJILLO
9:55 a.m. - 10:15 a.m.
> Estimating Creatinine Clearance: Why Is It So Difficult?
Kristen A. HESCH
10:20 a.m. - 10:40 a.m.
> Drug Dosing in Renal Replacement Therapy: You Can’t Always Believe What Your Reference Says
Michael L. BENTLEY
10:45 a.m. - 11:05 a.m.
> Geriatrics
Scott BOLESTA
11:10 a.m. - 11:30 a.m.
> Ethnic Variation in Drug Response: Is It All Pharmacogenetics?
Philip E. EMPEY

9:30 A.M. - 11:30 A.M. SAN JUAN 5-8

- SESIONES EN ESTE CUARTO SERÁN TRADUCIDAS DEL INGLES AL ESPAÑOL

Current Maintenance of Certification Requirements and Future Directions
Moderator: Antoinette SPEVETZ

LEARNING OBJECTIVES
- Contrast the similarities and differences in maintenance of certification (MOC) requirements across specialties
- Summarize the key elements and methods to maintain critical care certification
- Review future MOC requirements and certification plans from various critical care governing organizations

9:30 a.m. - 9:50 a.m.
> Overview of MOC Requirements and Future Development Common to All Certification Groups
Antoinette SPEVETZ
9:55 a.m. - 10:15 a.m.
> MOC for Anesthesiology
Mark T. KEEGAN
10:20 a.m. - 10:40 a.m.
> MOC for Pediatrics
Mark W. HALL
10:45 a.m. - 11:05 a.m.
> MOC for Surgical Specialties
Lewis J. KAPLAN
11:10 a.m. - 11:30 a.m.
> MOC for Internal Medicine and Specialties
Antoinette SPEVETZ
10:30 A.M. - 11:30 A.M.  ROOM 202

Life After the ICU: Brain and Neuromuscular Function

Moderator: Marc MOSS

LEARNING OBJECTIVES

- Describe the impact of ICU stay on functional capacity after hospital discharge
- Develop strategies to minimize the effect of ICU stay on functional capacity after ICU stay

10:30 a.m. - 10:50 a.m.
> Brain Function: Psychosocial and Functional Abilities
  Craig WEINERT
10:50 a.m. - 11:10 a.m.
> Neuromuscular Function: Sensory and Motor
  Marc MOSS
11:10 a.m. - 11:30 a.m.
> Methods to Optimize Transition from ICU to Home
  Timothy D. GIRARD

10:30 A.M. - 11:30 A.M.  ROOM 104

Advanced Practice Nursing Models in the Pediatric ICU: Everything You Need to Know

Moderator: MaryJo C. GRANT

LEARNING OBJECTIVES

- Identify historical review of advanced practice nurses (APNs) as care providers in the pediatric ICU
- Review three models of APN practice in the pediatric ICU
- Identify methods of implementation of APN practice in the ICU

10:30 a.m. - 10:50 a.m.
> History of the APN in the Pediatric ICU
  Maureen A. MADDEN
10:50 a.m. - 11:10 a.m.
> Models of APN Practice in the Pediatric ICU
  MaryJo C. GRANT
11:10 a.m. - 11:30 a.m.
> Implementation of APNs into the Pediatric ICU
  Andrea M. KLINE
SCCM Honors the 2013 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 $65,000 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 42nd Critical Care Congress in San Juan, Puerto Rico. Those awards not based on abstracts will be presented during the American College of Critical Care Medicine (ACCM) Convocation/SCCM Awards Presentation on Monday, January 21, 2013, at 4:30 p.m. in the San Geronimo Ballroom of the Caribe Hilton Hotel. The abstract-based awards will be presented on Tuesday, January 22, 2013, from 1:30 p.m. to 2:00 p.m. in Room 103 at the Puerto Rico Convention Center.

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**

**ASMUND S. LAERDAL MEMORIAL LECTURE AWARD**

Sponsor: The Laerdal Foundation for Acute Medicine

Wanchun TANG, MD, MCCM

**CHAPTER AND AFFILIATES ALLIANCE EXCELLENCE AWARD**

Sponsor: The Chapters and Affiliates Alliance

Middle-East Critical Care Assembly

**DISTINGUISHED INVESTIGATOR AWARD**

Sponsor: American College of Critical Care Medicine

Martha A.Q. CURLEY, RN, PhD

**DISTINGUISHED SERVICE AWARD**

Sponsor: Society of Critical Care Medicine

Richard R. BRANSON, MS, RRT, FCCM

Pamela A. UPSETT, MD, MHPE, FCCM

M. Michelle MOSS, MD, FCCM

Lena M. NAPOLITANO, MD, FCCM

Stephen M. PASTORES, MD, FCCM

Janice L. ZIMMERMAN, MD, FCCM

**DR. JOSEPH AND RAE BROWN AWARD**

Sponsor: The Pennsylvania Chapter of the Society of Critical Care Medicine

Margaret WOJNAR, MD

**FAMILY-CENTERED CARE INNOVATION AWARD**

Sponsor: Society of Critical Care Medicine

University of Maryland Medical Center

Surgical Intensive Care Unit

Supportive Care Team

Baltimore, Maryland, USA

Honorable Mentions:

Joe DiMaggio Children’s Hospital

Pediatric Intensive Care Unit

Hollywood, Florida, USA

Mayo Clinic

Saint Marys Hospital

Pediatric Cardiac Intensive Care Unit

Rochester, Minnesota, USA

**GRENVIK FAMILY AWARD FOR ETHICS**

Sponsor: Grenvik Family Memorial Fund

Wynne E. MORRISON, MD, MBE, FCCM

**ICU DESIGN CITATION**

Sponsors: Society of Critical Care Medicine, American Association of Critical-Care Nurses, American Institute of Architects Academy on Architecture for Health

Ann & Robert H. Lurie Children’s Hospital of Chicago

Leikofsky Pediatric Intensive Care Unit

Chicago, Illinois, USA

Architect:

ZGF Architects LLP

Portland, Oregon, USA

**LIFETIME ACHIEVEMENT AWARD**

Sponsor: Society of Critical Care Medicine

Mitchel P. FINK, MD, MCCM

**NORMA J. SHOEMAKER AWARD FOR CRITICAL CARE NURSING EXCELLENCE**

Sponsor: Society of Critical Care Medicine

Barbara McLEAN, MN, RN, CCNS, NP-BC, CCRN, FCCM

**SHUBIN-WEIL MASTER CLINICIANS/TEACHER: EXCELLENCE IN BEDSIDE TEACHING AWARD**

Sponsor: The Weil Family Foundation

Robert N. SLADEN, MBChB, FCCM, and Robert D. TRUOG, MD, FCCM

**Grant Recipient**

**SCCM VISION GRANT**

Sponsor: Society of Critical Care Medicine

Azra BIHORAC, MD, MS

Database Communication Enables Machine Learning Classifiers to Predict Postoperative Acute Kidney Injury in Intensive Care Unit (Delcare)
2013 Presidential Citation Award Recipients

Society of Critical Care Medicine

86 42nd CRITICAL CARE CONGRESS PROGRAM

Prasad E. Abraham, PharmD
Suresh Agarwal, MD, FCCM
Joseph Aloi, PharmD, BCPS
Raj Anjeja, MD
Derek C. Angus, MD, MPH, MCCM
Judith Aschenzi, MSN
Omar Badawi, PharmD, BCPS
Jeffrey BarlettA, PharmD, FCCM
Erik S. Barquist, MD, FCCM
Troy E. Batterson, PharmD, BCPS
Seh R. Bauer, PharmD
Gregory J. Beilman, MD
S. Patrick Bender, MD
Angela Benefiel, BS, RN, CCRN
Sean Berenholz, MD, FCCM
John W. Berkenbosch, MD, BSc,
John W. Berkenbosch, MD, FCCM
Troy E. Batterton, PharmD, Fccm
Jeffrey S. Guy, MD, Fccm
Grenada G. Fayeh, MD, FCCM
Mark E. Falamigni, MD, FCCM
Florida A. Falter, MD, Fccm
Jonathan D. Feldman, MD
Claudine G. Finan, RRT, FCCM
Jeffrey R. Fine, MD
Loray F. Frankel, MD
Deborah E. Frankoz, MD
Gilles L. Fraser, BS, Pharmac, Fccm
Michelle Galvan, BSN
Michael O. Gayle, BS, BM, Fccm
Gail A. German, PharmD
Denise A. Gonzales, MD, MS
Mary Jo Gorman, MBA, MD
Bob Grabeck, RT, MMS, FCCM
Vicente H. Gracias, MD, FCCM
Wendy Ricketts Green, MD
David M. Greer, MD, MA, FCCM
Jeffrey 9. Guy, MD, Fccm
Doug J. Hall, MD, FCCM
Mark W. Hall, MD, FCCM
Scott D. Halpern, MD, PhD
Jefferis E. Hardact, MD
Mark A. Haelterman, MD
Judith M. Hallman, MD
Daniel L. Herr, MD, FCCM
Dean R. Heiss, RRT, PhD, Fccm
Michael J. Hewitt, RRT, FCCM
Jorge Luis Hidalgo, MD, FCCM
Tudor Hodgman, PharmD, BCPS
Fccm
James E. Hogg-Johnston, DO, Fccm
Michael J. Howett, MD, Fccm
Marlyn HraVnak, RN, PhD, Fccm
William E. Hurford, MD, FCCM
Lynne J. Hydo, MBA, RN, Fccm
Rob P. Iyroz, MD, Fccm
Brian R. Jacobs, MD, FCCM
Muhhammad Jawar, MD, Fccm
Sabrina Jarvis, DNP, ACNP-BC
Edgar Jimenez, MD, Fccm
Paul G. Jodko, MD
Aaron M. Joffe, DO
Susan K.B. Jones, ACNP, PhD, Fccm
Wendy J. Jones, ACNP, MSN
Sandra L. Kane-Gill, PharmD, MS, Fccm
David C. Kaufman, MD, Fccm
John A. Keli, UM, MD, Fccm
Gregory E. Kerr, MD, MBA, Fccm
James S. Killinger, MD
Keith Killu, MD
John P. Knob, MD, MS
Lisa L. Klinkland, MD
Niranjan Kissouso, MD, Fccm
Andrea M. Kline, RN, Fccm
Marin H. Koller, MD
Alexander A. Kon, MD, Fccm
Brian J. Kopp, PharmD, BCPS
Neil W. Koyd, MD, Fccm
John P. Kress, MD
Patrick J. Kriegel, RRT
Christine KruSkamp, RN, MS
Ishaq Lat, PharmD, BCPS, Fccm
Omar Lateef, DO
Krzysztof Ladusandski, MD
Stuart J. LeBas, MBA, MD
Aimee LeClaire, PharmD
Jennifer L. LeTourneau, DO, MCR
John J. Lewin III, MBA, PharmD
Joanne M. Lindberg, MN, CCRN
Steven J. Lisco, MD, FCCM
Matthew E. Lissauer, MD
Xi Liu-Derfke, PharmD
Laurie A. Lioajono, MD
Kristine A.K. Lombardozzi, MD, FCCM
Frederick A. Lucchette, MD, FCCM
John Lui, MD
Robert MacLaren, PharmD, BSc, Fccm
Maureen A. Madden, CCRN, MSN, Fccm
Edward M. Mannone, MD
Jon L. Marinaro, MD
David A. Markenson, MD
Greg S. Martin, PhD, Fccm
Donald K. Maxwell, DO, Fccm
Julie MayGlothling, MD
John E. Mazuski, MD, Fccm
Karl G. Pallen, PharmD, Fccm
Rodrigo Mejia, MD, Fccm
Mark E. Mikelsen, MD
April D. Miller, PharmD
Fried R. Molkenop, PA-C
Vicki L. Montgomery, MD
Kathryn M. Moore, ACNP, CCRN, DNP
Jennifer L. Morris, PharmD, BCPS
Wyne E. Morrison, MD, FCCM
M. Michele Moss, MD, Fccm
Eric W. Muelierz, BS, PharmD, Fccm
Mohand R. Mysore, MD, Fccm
David A. Nakagawa, MD, FCCM
Rahul Nanchal, MD
Mark E. Nunnally, MD, Fccm
Paul Nyquist, MD
Michael T. O'Connor, MD, Fccm
Carrie C. Oglvie, CCRN, CNS, DNP
Ryan M. O'Gowan, MA, PA-C, Fccm
Martin J. Ohlengler, PharmD, BCPS
John A. Orpatello, MD, Fccm
Lance J. Oyen, PharmD, BCPS
Michelle C. Papo, MD, MPH, Fccm
Paula K. Park, MD, FCCM
Steven E. Pass, PharmD
Stephen M. Pastores, MD, Fccm
Rina E. Patel, PharmD, BCPS
Andrew J. Patterson, MD, PhD, Fccm
Ellen J. Pringle, RRT, RPFF
Jose Javier Provensio, MD, ACCM
Brenda T. Funk, RN, MSN, ACNP
Kathleen A. Puntillo, RN, DSNc, FCCM
Tyler Putnam III, MD, FCCM
Mikhail Rabinovich, MD, BCPS
Mohamed Rady, MD, FCCM
Michael A. Ramsay, MD
Adrienne G. Randolph, MD
Michael Reed, MD, Fccm
Harry C. Rees, ACNP
Christina G. Rehm, MD, Fccm
Michael A. Rie, MD
Mark R. Riggins, MD, PhD, Fccm
Richard R. Riker, MD, Fccm
Fred Rincos, MD, MS
Russell J. Roberts, PharmD
Bryce RH Robinson, MD
Sophia C. Rodgers, RN, ACNP, Fccm
Gerardo Rodriguez, MD
Gloria M. Rodriguez-Vega, MD, FCCM
Andrew L. Rosenfeld, MD
Mark E. Rowin, MD
Tuinh K. Roy, MD, PhD
Joseph S. Sarkar, MD, MPH
George A. Sample, MD
John B. Sampson, MD
Karen Sands, MSN, CCRN, APRN-BC
Lisa Sansalone, RN, ACNP
Baldwin L. Simpson, MD, FCCM
Richard H. Savell, MD, Fccm
Gregory P. Schaefer, DO
Ulnich Schmid, MD, FCCM
Christa J. Savitch, MD
Karl L. Serrao, MD, FCCM
Curiss S. Seissler, MD, FCCM
Jonathan E. Severinsky, MD
Nirav G. Shah, MD
Areyah Shander, MD, Fccm
Thomas P. Shanley, MD, Fccm
Andrew D. Shaw, MD, Fccm
Eric Shapard, MD, FCCM
Corinna Sicoutris, ACNP, MSN, FCCM
Erick Siegal, MD
Steven J. SimpsoN, MD, FCCM
Yoanna Skrobik, MD
Anthony D. Slomin, MD, PhD, FCCM
Pamela L. Smithburger, PharmD, BCPS
Linda K. Smelling, MD
Lauren R. Sorice, RN, MSN, FCCM
Antoinette Spevetz, MD, FCCM
Jana A. Stockwell, MD, FCCM
Christel J. Stockmar, MD, FCCM
Glenn Strjewski, MD
Ram Subramanian, MD
Sanjay Subramanian, MD
Savvy J. Suda, RN, MS, Fccm
Israel Tawil, MD
Ken Tegtmeier, MD, FCCM
Neal J. Thomas, MD, FCCM
Zachary Thompson, MD
Dan R. Thompson, MD, FCCM
Kelly A. Thompson-Brazill, MSN, RN, ACNP, CCRN
Bruce Tober, RRT
Christine C. Toevs, MD, FCCM
Michael TorbeY, MD, MPH, Fccm
Deborah Tugule, RN, MN, CCNS, Fccm
Avery Tung, MD
Byron E. TurkeTt, PA-C, Fccm
Michael H. Wall, MD, FCCM
Richard J. Wall, MSN
Nicholas S. Ward, MD, FCCM
Laura A. Watkins, MD
Michael S. Weinstein, MD
Derek S. Weaver, MD, FCCM
Donna M. Williams, MS, RN, CCRN
Chris Winkelman, ACNP, FCCM
Marion F. Winkler, RD, PhD
Hector R. Wong, MD
Christa J. Zawadisi, MD, MACP
Kathleen N. Wyatt, PharmD, BCPS
Michael B. Yaffe, MD, PhD
Timothy S. Yeh, MD, FCCM
Edward T. Zawada, MD, MACP
Christina A. Zaworski, MD, FCCM
Basilia Zingarelli, MD, PhD
Joel B. Zivot, MD
SCCM Section Awards, Grants and Scholarship

**ANESTHESIOLOGY SECTION TRAVEL GRANT**
Sponsor: Anesthesiology Section of the Society of Critical Care Medicine
Lior FUCHS, MD
#690 Severity of Illness on ICU Admission and Mortality Among the Elderly: Is There a “Saturation Point” for ICU Admission?

**CLINICAL PHARMACY AND PHARMACOLOGY SECTION MEDICATION SAFETY AWARD**
Sponsor: Clinical Pharmacy and Pharmacology Section of the Society of Critical Care Medicine
Ananth ANTHES, PharmD
Improving Adverse Drug Event Detection in Critically Ill Patients Through Screening Intensive Care Unit Transfer Summaries

**CLINICAL PHARMACY AND PHARMACOLOGY SECTION TRAVEL GRANT**
Sponsor: Clinical Pharmacy and Pharmacology Section of the Society of Critical Care Medicine
Jeffrey J. CIES, PharmD, BCPS
#50 Population Pharmacokinetics (PK) of Piperacillin/Tazobactam (TZP) in Critically Ill Children

**EMERGENCY MEDICINE SECTION TRAVEL GRANT**
Sponsor: Emergency Medicine Section of the Society of Critical Care Medicine
Christopher HOGAN, MD
#261 Tissue Hypoperfusion Persists Through Hospital Discharge in Patients Admitted With Mild to Moderate Congestive Heart Failure

**INTERNAL MEDICINE SECTION TRAVEL GRANT**
Sponsor: Internal Medicine Section of the Society of Critical Care Medicine
John P. REILLY, MD
#33 Timing of Onset Phenotypes of the Acute Respiratory Distress Syndrome (ARDS) After Severe Trauma

**IN-TRAINING SECTION TRAVEL GRANT**
Sponsor: In-Training Section of the Society of Critical Care Medicine
Anthony WILLYERD, MD
#199 Expression of Multidrug Resistance Transporters in Human Traumatic Brain Injury

**NEUROSCIENCE SECTION TRAVEL GRANT**
Sponsor: Neuroscience Section of the Society of Critical Care Medicine
Yama AKBARI, MD
#194 Enhanced Coma Recovery After Cardiac Arrest in a Rat Model Using Orexin-A

**NURSING SECTION TRAVEL GRANT**
Sponsor: Nursing Section of the Society of Critical Care Medicine
Cynthia R. GERDIK, BSN, MBA, MSN
#563 Successful Implementation of Continuous Trended Vital Sign Monitoring in a Post Trauma-Surgical Unit

**PEDIATRIC SECTION TRAVEL GRANT**
Sponsor: Pediatric Section of the Society of Critical Care Medicine
Enika STALETIS, MD
#481 Delayed Antibiotic Administration in Pediatric Septic Shock is Associated With Increased Organ Failure

**SURGERY SECTION TRAVEL GRANT**
Sponsor: Surgery Section of the Society of Critical Care Medicine
Matthew LISSAUER, MD
#131 Increased Intensive Care Unit Resource Needs for an Academic Non-Trauma Acute Care Surgery Service

**KATIE BRUSH NURSING SECTION SCHOLARSHIP**
Sponsor: Nursing Section of the Society of Critical Care Medicine
Mary L. SOLE, CNS, FCCM
#452 Clinical Indicators for Endotracheal Suctioning in Adult Patients Receiving Mechanical Ventilation

**INTENSIVE AND CRITICAL CARE NURSING (ICCN) AWARD**
Sponsor: Intensive and Critical Care Nursing and the Society of Critical Care Medicine Nursing Section
Khali M. YOUSEF, RN, MSN
#380 Transcranial Regional Cerebral Oxygen Desaturation Predicts Delayed Cerebral Ischemia and Poor Outcomes After Subarachnoid Hemorrhage

**PUBLISHED GUIDELINES**
Guidelines for Intensive Care Unit Design
Sponsor: American College of Critical Care Medicine
Dan R. THOMPSON, MD, MA, FCCM (Co-Chair); D. Kirk HAMILTON, FAIA, FACHA (Co-Chair); Charles D. CADENHEAD, FAIA, FACHA, FCCM; Sandra M. SWOBODA, RN, MS, FCCM; Stephanie M. SCHWINDEL, MArch, LEED; Diana C. ANDERSON, MD, MArch; Elizabeth V. SCHMITZ, AIA; Anthony C. ST. ANDRE, MD, FCCM; D. Kirk HAMILTON, FAIA, FACHA†; James W. HARRELL, FAIA, FACHA, LEED AP; Maurene A. HARVEY, RN, MPH, MCCM; April HOWARD, RN, CCRN, CCRC; David C. KAUFMAN, MD, FCCM; Cheryl PETERSEN, RN, MBA, CCRN

Guidelines for Use of an Insulin Infusion for the Management of Hyperglycemia in Critically Ill Patients
Sponsor: American College of Critical Care Medicine
Judith JACOBI, PharmD, BCPS, FCCM (Chair); Nicholas BIRCHER, MD, FCCM; James KRINSLEY, MD, FCCM; Michael AGUS, MD; Susan S. BRAITHWAITE, MD, Clifford DEUTSCHMAN, MS, MD, FCCM; Amado X. FREIRE, MD, MPH, FCCM; Douglas GEEHAN, MD, FCCM; Benjamin KOHL, MD, FCCM; Stanley A. NASRAWAY, MD, FCCM; Mark RIGBY, MD, PhD; FCCM; Karen SANDS, APRN-BC, ANP, MSN, CCRN; Lynn SCHALLOM, RN, MSN, CCNS, FCCM; Beth TAYLOR, MS, RD, C.N.D, FCCM; Guillermo UMPIERREZ, MD, PhD; John MAZUSKI, MD, PhD, FCCM; Holger SCHUNEMANN, MD
IN-TRAINING AWARD
18 Early Standardized Echocardiography Improves Survival in Patients with Shock
Hussein D. KANJ, MD, MSC, MPH

YOUNG INVESTIGATOR AWARD
32 Phenotypic Concentrations Are Elevated in Children Receiving Therapeutic Hypothermia Following Traumatic Brain Injury
Philip E. EMPEY, PharmD, PhD, BCPS

ANNUAL SCIENTIFIC AWARDS
3 Proactive Versus Reactive Rapid Response Systems: Decreasing Unplanned ICU Transfers
Valerie DANESI, RN, MSHA, Loti ENGER, ARNP, CCNS; Edgar JIMINEZ, MD, FCCM
10 Mitochondrial Transcription Factor A (TFAM): A Danger Signal Released from Damaged Cells, Promotes an Innate Immune In Throughe Rage and TL1R Signaling Pathways
Mark JULIAN, MS; Guohong SHAO, MD; Zack VANGUNDY, MS; Tracey PAPENFUS, PhD; Elliot D. CROUSER, MD
34 Post-traumatic ARDS – A thing of the past?
Anmol THAMPURAT, MD, GIM; Philip D. LEVIN, MD; Sergey GOODMAN, MD; Charles WEISSMAN, MD; Charles L. SPRUNIG, MD, FCCM
23 Discovery of a Novel Outcome Prognosticator for Sepsis with Therapeutic Implications: Decreased Serum S1-25-Dihydroxyvitamin D
Adarah SAI, MD; Ian ESTHE, MPH; Mark VILLAPIN, BS; William LAU, PhD; David BAYLINK, MD, H. Bryant NGUYEN, MD
33 Timing of Onset Phenotypes of the Acute Respiratory Distress Syndrome (ARDS) After Severe Trauma
John P. REILLY, MD; Scarlett L. BELLAMY, SG; Michael G.S. SHASHATY, MS; Nuals J. MEYER, MD; Daniel N. HOLENA, MD; Addison K. MAY, MD, FCCM; Lorraine B. WARE, MD; Jason D. CHRISTIE, MD
34 Post-Atraumatic ARDS – A Thing of the Past?
Kelly N. KIT, MD, MSCI; Kenji INABA, MD, CBI OKOYE, MD; Jennifer A. SMITH, MD; Elizabeth R. BENJAMIN, MD; Daniel J. GRABO Jr., MD; Demetrios DEMETRIADES, MD, PhD
35 Look What the CCATT Brought in: Epidemiology of USAF Critical Care Air Transport Team Operations in Contemporary Warfare
Samuel M. GALVAGNO, DO, PhD; Joseph J. DubOSE, MD; Raymond FANG, MD, FACS; Thomas E. GRISSOM, MD, FCCM; Richard L. SMITH, MBA, PhD; Thomas M. SCALEA, MD, FCCM
36 Pediatric and Neonatal Extracorporeal Membrane Oxygenation: Does Center Volume Impact Mortality?
Carre FREEMAN, MD; Tellen D. BENNETT, MD; Anna HUBBARD, MD; Gitey Y. LAIRSEN, MD; Jacob WILKES, MD; Susan L. BRATTON, MD, MPH
49 Multicenter, Randomized, Controlled Study of Pyridoxalated Hemoglobin Polycytoxyylene in Distributive Shock
Jean-Louis VINCENT, MD, PhD, FCCM
632 Association Among Initial Central Venous Oxygen Saturation Levels, Initial Blood Lactate Levels and Outcome in Septic Patients Treated with Early Goal-Directed Therapy
Masataka NAKAMURA, MD, PhD; Craig M. COOPERSMITH, MD, FCCM; Martin S. GREG, MD, PhD; Kevin W. M-COON, MD, Prem P. KANDAH, MD, PhD; Mary D. STILL, RN, MSN, CCRN, ACNP, Matthew D. NICHOLS, NP, Shgeto ODA, MD, PhD; Hirohito HIRASAWA, MD, PhD; Timothy G. BUCHMAN, MD, PhD

SPECIALTY AWARDS
ADMINISTRATION
4 ICU ‘Surge Capacity’: Collaborative Telemedicine Coverage Can Safely Provide Virtual ICU Beds
Tara Ann COLLINS, CRNP, Matthew P. ROBERTSON, ACNP, CCRN; Caroline SICCOUS, ACNP, FCCM; Michael A. PISA, ACNP; Daniel N. HOLENA, MD; Benjamin KOHL, MD, Patrick M. REILLY, MD, FACS
BURNS/TRAUMA
238 Temporal Changes in Insulin Resistance Precede the Fulfillment of CDC Criteria for Ventilator-Associated Pneumonia in Critically Ill Patients
Kazuhiko MUHURJEE, MD, MSCI; Patrick NORDR, PhD; Kendall J. SOWARDS, MD; Judith M. JENKINS, MSN; Addison K. MAY, MD, FCCM
CARDIOVASCULAR
250 The Diagnostic and Therapeutic Impact of Point-of-Care Ultrasonography in the Intensive Care Unit
Annie BERNIER-JEAN, MD; Martin ALBERT, MD, FRCP; Anel L. SHIEH, MD; Lewis A. EISEN, MD; Jennifer HOWES, MD; David WILLIAMSON, BS, MS; Yanick BEAULIEU, MD, FRCP
25 Effect of Valproic Acid on Survival and Neurologic Outcome in Asphyxial Cardiac Arrest Model of Rats
Sho Hoorn LEE, MD; Jae Hyuk LEE, MD; Kyuseok KIM, MD, PhD; You Hwan JO, MD, PhD; Min Ji LEE, BS; Hyun Ae RYU, BS
CELL BIOLOGY
224 ETS-GE, a Novel Vitamin E Derivative, Ameliorates Crush Syndrome in a Rodent Model
Jonathan CARRAWAY, MD, Nagya MATSUMOTO, MD, PhD; Yuko NAKANE, PhD; Kazuma YAMAKAWA, MD; Tomoki YAMADA, MD; Junya SHIMAZAKI, MD, PhD; Hiroshi OGURA, MD, PhD; Yutaka HOKAMACHI, MD, PhD; Takeshi SHIMAZU, MD, PhD
EDUCATION
7 New Duty Hours and the Effects on Prescribing Errors in the Medical Intensive Care Unit
Sameer C. SHAH, MD; Donald R. MCKAIG, RPh; Jim P. SMITH, MD; Mary R. COOPER, MD, JD; Jeffrey MAZER, MD; Gerard CARINO, MD, PhD; Andrew LEWISON, MD, MPH
ENDOCRINE
296 The Effect of Insulin-Induced Versus Spontaneous Hypoglycemia on Hospital Mortality in Critically Ill Patients
Lisa SALIBA, PharmD, Charles H. COOK, MD, FACS; Kathleen M. DUNGAN, MD; Kyle PORTER, MAS; Bruce Allan DOEKPHER, PharmD, BCPS; Anthony T. GERLACH, PharmD, FCCM; Claire V. MURPHY, PharmD
EPIDEMIOLOGY/OUTCOMES
6 How Do Size, Location and Organizational Characteristics Impact Outcomes and Costs in Patients with Sepsis, NIS Database 2005-2009
Svetolik DJURKOVIC, MD; Anna J. DORE, PhD; Lisa STEPANOVA, PhD; Zobair YOUNOSSI, MD

GI/NUTRITION
9 The Effects of Olive Oil versus LCT/MCT-Based Lipid Emulsions Upon the Immunomodulators of Critically Ill Patients in Need of Parenteral Nutrition
Vinicius Diniz ARCELINO do CÉARA, Alessandro PONTES-ARRUDA, MD, MSc, PhD, FCCM; Bruno FURTADO-LIMA, Luana GONDI-JUNIOR de CASTRO; Hélio Monte-Coelho NETO; Maria Cecilia Freitas CESARINO dos SANTOS, RN; Laércia Ferreira MARTINS, RN
HEMATOLOGY
179 Recombinant Von Willebrand Factor A2 Domain Polypeptide Inhibits Platelet Adhesion to Fibrinogen and Decreases Mortality in a Murine Endotoxemia-Induced Disseminated Intravascular Coagulation Model
Trung C. NGUYEN, MD, Francesca C. GUSHKEN, MD; Jing-Ai DONG, MD, PhD; Miguel A. CRUZ, PhD
IMMUNOLOGY
19 Longer PRBC Storage Time Is Associated with Reduced Innate Immune Function in Transfused Critically Ill Pediatric Trauma Patients
Ryan A. NOFZIGER, MD; Jennifer A. MUSZYNSKI, MD; Kathleen NICOL, MD; Lisa STEELE, BS; Kristin GREATHOUSE, MS; Lisa HANSON, BS; Jyotyna NATERI, MS; Mark W. HALL, MD
INFECTION
57 Identifying Empiric Antimicrobial Therapy for Pseudomonas aeruginosa: An Antibiogram Approach Comparing CLSI and PK/PD Breakpoint Susceptibility
Nune ZADIKIAN, PharmD; John W. AHERN, PharmD; Christopher J. GRACE, MD; Joseph J. ALOI, PharmD; Wesley D. McMILLIAN, PharmD, BCPS
NEUROLOGY
20 Impact of Myocardial Injury After Subarachnoid Hemorrhage (SAH/MI) Upon Perfusion
Marlyn HRAVAK, MD, FCCM; Yuelang CHANG, MD; Elizabeth A. CRAIG, RN, PhD; Thomas John PRICE, Jr., BS; Michael HOROWITZ, MD
PATIENT AND FAMILY SUPPORT
590 Consistency of Communication Among Intensive Care Unit Staff as Perceived by Family Members of Patients Surviving to Discharge
David Y. HWAING, MD, Daniel YAGODA, MPH, Hillary M. PERREY, BA, Thomas TEHAN, RN, Maria GUANCI, RN; Lillian V. ANANIAN, MSN; Paul F. CURRER, MD; J. Perren COBB, MD; Jonathan ROSAND, MD, MSc
PULMONARY
12 Micro-Patterned Surfaces for Reducing Bacterial Biofilm Formation on Endotracheal Tubes: A Novel Approach to Decreasing the Incidence of Ventilator-Associated Pneumonia
Rhea MAY, PhD; Matthew HOFFMAN, BS; Shreawnath REDDY, PhD
RENAL
469 Angiotensin 1-7 Protects Against Renal Ischemia Reperfusion and Its Delterious Cardiac Effect
Amado LÓPEZ-RUIZ, MD; Andrea SOLJANIC, MD; Kenan B. CHHANDRASHEKAR, MD; Ruisheng LIU, MD; Luis A. JUNCOS, MD
SEPSIS
24 Pre-Hospital Vitamin D Deficiency and Sepsis in the Critically Ill
Takuro MOROMIZATO, MD; Augusto A. LITONJUA, MD; Andrea BRAUN, MD; Fiona K. GIBBONS, MD; Edward GIOVANNucci, MD; Kenneth B. CHRISTOPHER, MD

2013 Abstract-based Awards

SOCIETY OF CRITICAL CARE MEDICINE | 42nd CRITICAL CARE CONGRESS PROGRAM

88
111 Demedoxemidine to the Standard of Care for Severe Alcohol Withdrawal
Charles J. FOSTER, PharmD, BCPS; Scott W. MUELLER, PharmD, BCPS; Luke VANDEWERIE, BS; Tyree H. KISER, PharmD, BCPS; Douglas N. FISH, PharmD, BCPS; Robert MacLAREN, BS, PharmD

121 Comparison of Traditional Methods for Renal Function Estimation with Methods Designed for Estimation in Acute Kidney Injury (AKI) and the Potential Impact on Antimicrobial Dosing
April D. MILLER, PharmD; Brandon BOOKSTAVER, PharmD, BCPS

123 Early Administration of the Selective V1A Receptor Agonist Sel规格林 is Superior to Arginine Vasopressin or Norepinephrine in a Sheep Model of Septic Shock
Fuhong SU, MD; Xinxing HE, MD; Fabio Silvio TACCONE, MD; Kelsang KE, MD; Mousa MOUHAMED, MD; Anand RAGU RENDE, PhD; Regent LAPORTE, PhD; Torsten REINHEIMER, PhD; Jean-Louis VINCENT, MD, FCCM

124 A Thirst Intervention Bundle decreases the Distress of ICU Patients’ Thirst
Shashwata ARAI, PhD, RN, CCRN; Bruce A. COOPER, PhD; Judith E. NELSON, MD, JD; Nancy STOTTS, RN, EdD; Kathleen A. PUNTLINO, RN, DNSC, FCCM

125 Successful Implementation of a Packed Red Blood Cell and Fresh Frozen Plasma Transfusion Protocol in the Surgical Intensive Care Unit
Jennifer LANZ, MSN; Ruth DAVIS, RN; Annette REBEL, MD; Lawrence LOTTENBERG, MD; Frederick MOORE, MD; Lyle MOLDAWER, MD; Marc ZUMBERG, MD; Darren ANG, MD; Philip EFRON, RN; Peggy MARKER, RN, BSN

126 Retrospective Evaluation of Desmedoxemidine Use in Ventilated ICU Patients in the Sedation-Weaning Phase at Two Teaching Hospitals
Sharon WELCH, PharmD

127 Evaluation of Quetiapine in the Treatment of Delirium in Mechanically Ventilated Critically Ill Surgical Patients: A Retrospective Case-Controlled Study
Madeline STEPHNES, PharmD; Neil E. ERNST, PharmD; Eric W. MUELLER, BS, PharmD, FCCM; Betty T. TSIEN, PharmD

128 High Dose Demexemidine Is Not Associated with Increased Risk of Hypotension
Anthony T. GERLACH, PharmD, BC, PS, FCCM; Danielle M. BLAIS, PharmD, BC; Gary Morgan JONES, PharmD, BCPS; Pamela BURCHAM, PharmD, BCPS; Stanislaw P. STAIVICK, MD, Charles H. COOK, MD, FCCM; Claire V. MURPHY, PharmD

129 Long-Term Post- Traumatic Stress Symptoms Vary Inversely with Early Opiate Dosing in Children Recovering from Serious Burns—Effects durable at Four Years
Robert L. SHERIDAN, MD; Frederick J. STODDARD, MD; Lewis KAZIS, PhD; Austin LEE, PhD; Walter J. MEYER, MD; Richard KAGAN, MD; Tina PALMERI, MD; David HERNDON, MD; Ronald G. TOMPKINS, MD

130 Use of a Flexible Endoscope (FE) Is More Economical Than the Use of a Rigid Endoscope (RE) and Safer Than Fluoroscopically Guided Foxy Catheter (FGFC) in Removing Esophageal Foreign Bodies (EFB)
Shanmei XIONG; Tong G. THE, MD, MBBS; Jayantil DADHANA; Christoph OCHNEGEMAC, MD; Bhavan P. CHALKONDA, MD
## Business and Ancillary Meetings

**As of November 27, 2012**

<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><strong>WEDNESDAY, JANUARY 16, 2013</strong></td>
<td></td>
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</tr>
<tr>
<td>Executive Committee Meeting</td>
<td>2:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Boardroom 1</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Executive Committee Dinner</td>
<td>5:30 p.m.</td>
<td>8:00 p.m.</td>
<td>Boardroom 1 Terrace</td>
<td>Caribe Hilton</td>
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<tr>
<td><strong>THURSDAY, JANUARY 17, 2013</strong></td>
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<tr>
<td>Council Retreat</td>
<td>7:30 a.m.</td>
<td>5:00 p.m.</td>
<td>Las Olas</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td><strong>FRIDAY, JANUARY 18, 2013</strong></td>
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</tr>
<tr>
<td>Council Meeting on Critical Care Executive Committee Meeting</td>
<td>7:30 a.m.</td>
<td>5:00 p.m.</td>
<td>Las Olas</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>AAP Section on Critical Care Executive Committee Meeting</td>
<td>8:00 a.m.</td>
<td>6:00 p.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
</tr>
<tr>
<td><strong>SATURDAY, JANUARY 19, 2013</strong></td>
<td></td>
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</tr>
<tr>
<td>Board of Regents Meeting</td>
<td>7:30 a.m.</td>
<td>5:00 p.m.</td>
<td>Flamingo D</td>
<td>Caribe Hilton</td>
</tr>
<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>San Cristobal</td>
<td>Sheraton</td>
</tr>
<tr>
<td>New Council Member Orientation</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Chrysler Conference Room</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Pre-Congress Symposium</td>
<td>2:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Bahia 2</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Congress Program Committee Meeting</td>
<td>4:00 p.m.</td>
<td>6:00 p.m.</td>
<td>Miramar Ballroom 4</td>
<td>Sheraton</td>
</tr>
<tr>
<td>CCPTN Executive Board Meeting</td>
<td>4:00 p.m.</td>
<td>6:00 p.m.</td>
<td>Conference Room 10</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Nursing Section Reception</td>
<td>5:00 p.m.</td>
<td>7:00 p.m.</td>
<td>Brisas del Mar and Terrace</td>
<td>Conrad Condado Plaza</td>
</tr>
<tr>
<td>Annual Winter USCITG Investigators Meeting</td>
<td>5:00 p.m.</td>
<td>7:30 p.m.</td>
<td>Salon del Mar A/B</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section New Members and First Congress Attendees Orientation</td>
<td>8:00 p.m.</td>
<td>9:00 p.m.</td>
<td>Bahia 1</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Member Reception sponsored by PharMEDium</td>
<td>9:00 p.m.</td>
<td>11:00 p.m.</td>
<td>Poolside</td>
<td>Sheraton</td>
</tr>
<tr>
<td><strong>SUNDAY, JANUARY 20, 2013</strong></td>
<td></td>
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</tr>
<tr>
<td>In-Training Section Steering Committee Meeting</td>
<td>7:00 a.m.</td>
<td>7:30 a.m.</td>
<td>Bahia 2</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Nursing Section Steering Committee Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Osteopathic Medicine Section Business Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>San Geronimo</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Pediatrics Section Advanced Practice Nursing Committee Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Bahia 1</td>
<td>Sheraton</td>
</tr>
<tr>
<td>In-Training Section Business Meeting</td>
<td>7:30 a.m.</td>
<td>8:00 a.m.</td>
<td>Bahia 2</td>
<td>Sheraton</td>
</tr>
<tr>
<td>FDM Subcommittee Business Meeting</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Quality and Patient Safety Committee Business Meeting</td>
<td>9:00 a.m.</td>
<td>10:30 a.m.</td>
<td>Flamingo A</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Anesthesiology Section Steering Committee Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>San Felipe</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Texas Chapter Business Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Chrysler Conference Room</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Chapter and Affiliate Alliance Executive Committee</td>
<td>9:30 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 201A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Internal Medicine Section Steering Committee Meeting</td>
<td>9:30 a.m.</td>
<td>11:30 a.m.</td>
<td>San Geronimo</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Pediatrics Section Steering Committee Meeting</td>
<td>9:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Bahia 2</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Nursing Section Membership Committee Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Billing and Coding Committee and Book Revision Meeting</td>
<td>10:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Executive Boardroom</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Guideline Utilization Committee Meeting</td>
<td>10:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Flamingo C</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Emergency Medicine Section Breakfast Reception/ Business Meeting sponsored by Vidacare</td>
<td>10:00 a.m.</td>
<td>1:00 p.m.</td>
<td>Las Olas</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Research Committee Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Drug Shortage Task Force Business Meeting</td>
<td>10:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Salon del Mar</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Chapter and Affiliate Alliance Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 201A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Communications Committee Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Luna Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Nursing Section First Timers’ Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Pediatrics Section Resident Education and Recruitment Committee Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Bahia 1</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Physician Assistants Business Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Bahia 2</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Medication Use Safety Guideline</td>
<td>11:30 a.m.</td>
<td>1:00 p.m.</td>
<td>Flamingo D</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Program Committee Meeting</td>
<td>12:00 p.m.</td>
<td>1:30 p.m.</td>
<td>Luna Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>ACCM Credentials Committee Meeting</td>
<td>12:30 p.m.</td>
<td>1:30 p.m.</td>
<td>San Felipe</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Pediatrics Section Billing and Coding Committee Meeting</td>
<td>12:30 p.m.</td>
<td>1:30 p.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Accreditation Committee Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Bahia 2</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Internal Medicine Section Business Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Bahia 1</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Nursing Section Communication and Recognition Committee Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>San Geronimo</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Parameters for Hemodynamic Support of Newborn and Pediatric Septic Shock Guideline</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Flamingo C</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Pediatric Admission, Discharge, and Triage Guideline</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Flamingo D</td>
<td>Caribe Hilton</td>
</tr>
</tbody>
</table>
As of November 27, 2012

### Business and Ancillary Meetings

#### Sunday, January 20, 2013

<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>Northeast Chapter Meeting</td>
<td>1:30 p.m.</td>
<td>2:30 p.m.</td>
<td>Room 201A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatric MCCKAP</td>
<td>1:30 p.m.</td>
<td>2:30 p.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>PFCCS Subcommittee Business Meeting</td>
<td>1:30 p.m.</td>
<td>2:30 p.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Finance and Investment Committee Meeting</td>
<td>2:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Chrysler Conference Room</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Baltimore Chapter Meeting</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Room 201A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>New Mexico Chapter Meeting</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Room 201B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Patient and Family Support Committee Meeting</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>San Felipe</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Ultrasound Multimedia Task Force Meeting</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>San Geronomio</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Adult Online Practice Exam Committee Meeting</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Study Mission to South Africa Review Meeting: A Perennial Problem - Lessons</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 103</td>
<td>Convention Center</td>
</tr>
<tr>
<td>for All from Africa to the 1st World</td>
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</tr>
<tr>
<td>SCCM/ESICM Business Meeting</td>
<td>3:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Chrysler Conference Room</td>
<td>Convention Center</td>
</tr>
<tr>
<td>In-Training Section Session: Transitioning from Training to Your First Job</td>
<td>3:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Bahia Room</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Neuromuscular Blockade Guideline</td>
<td>3:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Flamingo B</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Norma J. Shoemaker Research Grant Subcommittee Business Meeting</td>
<td>3:30 p.m.</td>
<td>4:00 p.m.</td>
<td>Luna Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Neuroscience Section Business Meeting</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Ultrasound Committee Meeting</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>San Geronomio</td>
<td>Sheraton</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 102</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Adult Current Concepts in Critical Care Business Meeting</td>
<td>4:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Luna Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Pediatric Online Practice Exam</td>
<td>4:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Anesthesiology Section Business Meeting</td>
<td>4:15 p.m.</td>
<td>5:15 p.m.</td>
<td>Room 101</td>
<td>Convention Center</td>
</tr>
<tr>
<td>In-Training Section Reception</td>
<td>5:00 p.m.</td>
<td>7:00 p.m.</td>
<td>Poolside</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Surgery Section Reception</td>
<td>5:00 p.m.</td>
<td>7:00 p.m.</td>
<td>Ocean Garden</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Pediatrics Section Reception</td>
<td>5:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Brisas del Mar and Terrace</td>
<td>Conrad Condado Plaza</td>
</tr>
<tr>
<td>Internal Medicine Section Reception</td>
<td>5:30 p.m.</td>
<td>7:30 p.m.</td>
<td>Laguna Poolside</td>
<td>Caribe Hilton</td>
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<tr>
<td>NIH Critical Care Alumni Reception</td>
<td>6:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Conference Room 10</td>
<td>Caribe Hilton</td>
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<tr>
<td>Anesthesiology Section Reception</td>
<td>6:00 p.m.</td>
<td>9:00 p.m.</td>
<td>Atlantic Garden</td>
<td>Caribe Hilton</td>
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<tr>
<td>Texas Chapter Reception</td>
<td>6:00 p.m.</td>
<td>9:00 p.m.</td>
<td>Salon del Mar A/B</td>
<td>Caribe Hilton</td>
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<tr>
<td>Emory Center for Critical Care Reception</td>
<td>8:00 p.m.</td>
<td>10:00 p.m.</td>
<td>Las Olas</td>
<td>Caribe Hilton</td>
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#### Monday, January 21, 2013

<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>CCM and PCCM Combined Editorial Board Meeting</td>
<td>7:00 a.m.</td>
<td>8:30 a.m.</td>
<td>Las Olas</td>
<td>Caribe Hilton</td>
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<tr>
<td>Graduate and Resident Education Committee Business Meeting</td>
<td>7:30 a.m.</td>
<td>8:30 a.m.</td>
<td>San Felipe</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Item-Writing Seminar 1</td>
<td>8:00 a.m.</td>
<td>9:30 a.m.</td>
<td>San Geronomio</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Organ Donation Guideline</td>
<td>8:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Flamingo B</td>
<td>Caribe Hilton</td>
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<tr>
<td>Pediatric Sedation Guideline</td>
<td>8:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Flamingo C</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Nursing Section Business Meeting/Expert Nurse Panel and Member Breakfast</td>
<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>Conference Rooms 3-6</td>
<td>Caribe Hilton</td>
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<tr>
<td>Receptions sponsored by Abbott Nutrition</td>
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<td>Ohio Chapter Meeting</td>
<td>8:30 a.m.</td>
<td>9:30 a.m.</td>
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<td>Caribe Hilton</td>
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<td>Pediatrics Section Quality and Safety Committee Meeting</td>
<td>8:30 a.m.</td>
<td>9:30 a.m.</td>
<td>Flamingo A</td>
<td>Caribe Hilton</td>
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<tr>
<td>Uniformed Services Section Business Meeting</td>
<td>8:30 a.m.</td>
<td>9:30 a.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
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<tr>
<td>ACCM Nominating Committee Meeting</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Executive Boardroom</td>
<td>Caribe Hilton</td>
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<tr>
<td>Clinical Pharmacy and Pharmacology Section Education Committee Meeting</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Conference Room 10</td>
<td>Caribe Hilton</td>
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<tr>
<td>Undergraduate Education Committee Business Meeting</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>San Felipe</td>
<td>Sheraton</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>Bahia</td>
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<td>Michigan Chapter Meeting</td>
<td>9:30 a.m.</td>
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<td>Salon del Mar B</td>
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<tr>
<td>Pediatrics Section Fellowship Director’s Committee Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Auditorium</td>
<td>Caribe Hilton</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>Conference Room 7</td>
<td>Caribe Hilton</td>
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<td>ACCM Fellowship Services Committee Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Executive Boardroom</td>
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<tr>
<td>Nursing Section Advanced Nursing Practice and Professional Development</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Flamingo A</td>
<td>Caribe Hilton</td>
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<tr>
<td>Committee Meeting</td>
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<tr>
<td>Postgraduate and Fellowship Education Committee Business Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>San Felipe</td>
<td>Sheraton</td>
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<tr>
<td>Clinical Pharmacy and Pharmacology Section Business Meeting</td>
<td>10:00 a.m.</td>
<td>11:30 a.m.</td>
<td>San Cristobal Ballroom A</td>
<td>Caribe Hilton</td>
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<tr>
<td>Item-Writing Seminar 2</td>
<td>10:00 a.m.</td>
<td>11:30 a.m.</td>
<td>San Geronomio</td>
<td>Sheraton</td>
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<tr>
<td>Users Contributors Business Meeting</td>
<td>10:00 a.m.</td>
<td>11:30 a.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
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<td>Red Blood Cell Transfusion Guideline</td>
<td>10:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Flamingo B</td>
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<tr>
<td>Surgery Section Development Committee Meeting</td>
<td>10:00 a.m.</td>
<td>12:00 p.m.</td>
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### MONDAY, JANUARY 21, 2013 CONTINUED

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<tr>
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<tbody>
<tr>
<td>Ultrasound Guideline</td>
<td>10:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Flamingo C</td>
<td>Caribe Hilton</td>
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<tr>
<td>Membership Committee Meeting</td>
<td>10:15 a.m.</td>
<td>12:00 p.m.</td>
<td>Las Olas</td>
<td>Caribe Hilton</td>
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<tr>
<td>Pediatrics Section Fellows’ Committee Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Auditorium</td>
<td>Caribe Hilton</td>
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<tr>
<td>Respiratory Care Section Business Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Conference Room 10</td>
<td>Caribe Hilton</td>
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<tr>
<td>Southeast Chapter Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Salon del Mar B</td>
<td>Caribe Hilton</td>
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<tr>
<td>ACCM Awards Committee Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Executive Boardroom</td>
<td>Caribe Hilton</td>
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<tr>
<td>Nursing Section Research Committee Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Boardroom 2</td>
<td>Caribe Hilton</td>
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<tr>
<td>Oregon Chapter Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Flamingo A</td>
<td>Caribe Hilton</td>
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<td>Guideline Management Committee</td>
<td>11:30 a.m.</td>
<td>1:00 p.m.</td>
<td>Salon del Mar B</td>
<td>Caribe Hilton</td>
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<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>Conference Room 10</td>
<td>Caribe Hilton</td>
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<tr>
<td>Pediatrics Section Palliative Care Committee Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
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<tr>
<td>Item-Writing Seminar 3</td>
<td>12:30 p.m.</td>
<td>2:00 p.m.</td>
<td>San Geronimo</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Carolinas/Virginias Chapter Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Conference Rooms 3-6</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>SCCM New Member Orientation</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Las Olas</td>
<td>Caribe Hilton</td>
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<tr>
<td>Strategic Education Committee Business Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Salon del Mar A</td>
<td>Caribe Hilton</td>
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<tr>
<td>Admission, Discharge, and Triage Guideline Meeting</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Flamingo B</td>
<td>Caribe Hilton</td>
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<tr>
<td>Models in Critical Care Guideline</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Flamingo C</td>
<td>Caribe Hilton</td>
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<tr>
<td>Advocacy Committee Meeting</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Flamingo A</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Nursing Section Networking Discussion: Hot Topics in Critical Care Nursing</td>
<td>1:30 p.m.</td>
<td>2:30 p.m.</td>
<td>Auditorium</td>
<td>Caribe Hilton</td>
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<tr>
<td>Pediatrics Section Business Meeting</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>San Cristobal Ballroom A</td>
<td>Caribe Hilton</td>
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<tr>
<td>Surgery Section Business Meeting</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>San Cristobal Ballroom A</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>Pediatric Current Concepts Course Subcommittee Business Meeting</td>
<td>2:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
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<tr>
<td>Item Development Editorial Board Committee Meeting</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>San Geronimo</td>
<td>Sheraton</td>
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<tr>
<td>New Jersey Chapter Meeting</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Salon del Mar A</td>
<td>Caribe Hilton</td>
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<tr>
<td>FCCS Program Committee Meeting</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>San Felipe</td>
<td>Sheraton</td>
</tr>
<tr>
<td>ACCM Robing Room</td>
<td>3:00 p.m.</td>
<td>7:00 p.m.</td>
<td>San Cristobal Ballroom B-D</td>
<td>Caribe Hilton</td>
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<tr>
<td>Adult MCCKAP</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>San Geronimo</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Industry and Technology Section Business Meeting</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>Auditorium</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>North Central Chapter Meeting</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>Salon del Mar A</td>
<td>Caribe Hilton</td>
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<tr>
<td>Product Development for the Spanish Speaking Markets</td>
<td>4:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
</tr>
<tr>
<td>ACCM Convocation</td>
<td>4:30 p.m.</td>
<td>6:00 p.m.</td>
<td>San Geronimo Ballroom B-D</td>
<td>Caribe Hilton</td>
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### TUESDAY, JANUARY 22, 2013

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<tr>
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<th>ROOM</th>
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<tbody>
<tr>
<td>Critical Care Societies Collaborative</td>
<td>7:00 a.m.</td>
<td>8:45 a.m.</td>
<td>Chrysler Conference Room</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Board of Regents Meeting</td>
<td>7:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Flamingo C</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>FCSS/PFCCS/FDM Director Consultant Forum</td>
<td>8:00 a.m.</td>
<td>9:00 a.m.</td>
<td>San Felipe</td>
<td>Sheraton</td>
</tr>
<tr>
<td>ICU Design Award Committee Meeting</td>
<td>8:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Flamingo B</td>
<td>Caribe Hilton</td>
</tr>
<tr>
<td>FCSS/PFCCS/FDM Instructor Forum</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>San Felipe</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Research Committee Meeting</td>
<td>9:00 a.m.</td>
<td>10:30 a.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
</tr>
<tr>
<td>Adult Board Review Item-Writing Committee Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Luna Boardroom</td>
<td>Sheraton</td>
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<tr>
<td>Benchmarking Committee Business Meeting</td>
<td>10:00 a.m.</td>
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<td>Pediatric Board Review Item-Writing Committee Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Luna Boardroom</td>
<td>Sheraton</td>
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<td>Clinical Pharmacy and Pharmacology Section Membership Committee Meeting</td>
<td>10:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
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<td>PAD-I Task Force Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
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<tr>
<td>PICS Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
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<td>Tele-ICU Committee Meeting</td>
<td>1:00 p.m.</td>
<td>2:30 p.m.</td>
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<td>Sheraton</td>
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<td>SCCM Business Meeting</td>
<td>1:15 p.m.</td>
<td>1:45 p.m.</td>
<td>Room 102</td>
<td>Convention Center</td>
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<td>ACCM Business Meeting</td>
<td>1:45 p.m.</td>
<td>2:15 p.m.</td>
<td>Room 102</td>
<td>Convention Center</td>
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<tr>
<td>ACCM Town Hall</td>
<td>2:30 p.m.</td>
<td>4:00 p.m.</td>
<td>Bahia Room</td>
<td>Sheraton</td>
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<td>PAD Guideline and PADI Task Force Meeting</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>San Cristobal</td>
<td>Sheraton</td>
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<td>ACCM Ethics Committee Meeting</td>
<td>4:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Sol Boardroom</td>
<td>Sheraton</td>
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<tr>
<td>International Reception</td>
<td>4:00 p.m.</td>
<td>6:00 p.m.</td>
<td>Poolside</td>
<td>Sheraton</td>
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<tr>
<td>Learn ICU Committee Meeting</td>
<td>4:00 p.m.</td>
<td>6:00 p.m.</td>
<td>Flamingo D</td>
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### WEDNESDAY, JANUARY 23, 2013

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<tr>
<td>Council Meeting</td>
<td>7:30 a.m.</td>
<td>11:00 a.m.</td>
<td>Las Olas</td>
<td>Caribe Hilton</td>
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Our iCritical Care hosts bring their unique expertise to offer a wide selection of in-depth interviews on adult and pediatric topics. Gain unique perspectives as they chat with Critical Care Medicine and Pediatric Critical Care Medicine authors, well-known speakers and prominent SCCM members.

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iCritical Care Podcast Associate Editor
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Director, Pediatric ICU
Stony Brook University Medical Center
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Programs for Critical Care
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Stream, download and get more info at www.sccm.org/iCriticalCare
Increase your knowledge of the organizational structures and delivery of critical care in South Africa during the Society of Critical Care Medicine’s (SCCM) 2013 Study Mission, to be held August 25 to September 2, 2013.

South Africa is one of the most diverse and enchanting countries in the world. Exotic combinations of landscapes, people, history and culture offer a unique and inspiring experience. Participants of SCCM’s 2013 Study Mission will get to experience:

- Daily visits to local private and public hospitals in Johannesburg and Durban, as well as a community clinic in Zululand
- Sunrise and afternoon safaris through a 55,000 acre wildlife reserve, populated with buffalo, elephant, leopard, rhino, lion, cheetah, and more
- An afternoon of attendance at the 2013 World Congress Meeting in Durban
- Breathtaking tours to such famous sites as the Apartheid Museum, Nelson Mandela’s house, the Kruger House Museum, Voortrekker Monument, Lesedi Cultural Village, and more

Optional Excursion to Cape Town
September 2-6, 2013

After the Study Mission, retreat to a luxury waterfront resort in Cape Town and enjoy tours to Table Mountain, the Groote Schuur Heart Transplant Museum, Kirstenbosch Botanical Gardens, and more.

Register today! Visit www.sccm.org/StudyMission, or call SCCM Customer Service at +1 847 827-6888.

A Perennial Problem – Lessons for All from Africa to the First World

Attend this special session during the Society of Critical Care Medicine’s 42nd Critical Care Congress:
Sunday, January 20, 2013
3:00 p.m. – 4:00 p.m.
Puerto Rico Convention Center
Room 103
Future Congresses/Giveaway (Booth #521)
Stop by to learn about the exciting locales to host the 2014, 2015 and 2016 Congresses. Mark your calendars and start planning for these premier critical care events. Also, pick up your gift for attending the 42nd Critical Care Congress.

Internet Access (SCCM Central)
Catch up on work or keep in touch while you are at Congress by checking your email on site at the SCCM Internet Pavilion. Use a provided PC or bring your laptop to connect to one of the many high-speed laptop station ports. Wireless Internet access also will be available. These services are free of charge.

Refreshment Breaks
Complimentary morning and afternoon breaks will be available in the Exhibit Hall on Sunday, January 20, Monday, January 21, and Tuesday, January 22. These breaks offer an excellent opportunity to visit with exhibitors while enjoying a refreshing break.

Procalcitonin: Another Piece in the Puzzle of Early Sepsis Intervention
Sponsored by bioMerieux
Presenter: Devendra N. Amin, MBBS, FCCP
University of South Florida at Morton Plant Hospital
Clearwater, Florida, USA

The burden of sepsis mortality falls on the ICU physician, who contends with highly unpredictable patient responses even with advanced treatment regimens. The seminar discusses how levels of the natural human protein procalcitonin (PCT) can help remove some of the guess work when stratifying a patient's risk of sepsis and when making early treatment decisions for suspected sepsis patients.

50% Survival to Discharge from In-hospital SCA - The ART of Resuscitation
Sponsored by ZOLL Medical Corporation
Presenter: Daniel Davis, MD
University of California
San Diego, California, USA

The national average survival to discharge from in-hospital arrest is 17%, yet one team has managed to achieve 59% survival. They have reduced the incidence of codes through rapid response, while doubling the number of patients who survive neurologically intact. Magic? Statistics? No, ART: Advanced Resusitation Training. Join us to learn what is possible.

Better Monitoring for Better Management of Patients with Severe Sepsis
Sponsored by Pulsion Medical, Inc.
Presenter: Greg S. Martin, MD, M.Sc.
Grady Memorial Hospital, Emory University School of Medicine
Atlanta, Georgia, USA
Azriel Perel
Professor and Chairman, Department of Anesthesiology and Intensive Care
Sheba Medical Center, Tel Aviv University
Tel Hashomer, Israel

Current guidelines for the management of patients in severe sepsis rely on hemodynamic parameters that can often be misleading. Advanced hemodynamic monitoring which includes cardiac output, better assessment of preload and fluid responsiveness, and extravascular lung water, may contribute to a more appropriate hemodynamic management and prevent over- or under-resuscitation.
Exhibit Hall Information and Events

Exhibitor-Sponsored Industry Education Workshops

Continued from page 97

MONDAY, JANUARY 21, 2013 11:30 A.M.-12:30 P.M.
ROOM #103

Simplifying Sepsis: Practical Solutions for a Complex Problem
Sponsored by Vidacare Corporation

Presenter: Kevin Klauer, DO, EJD, FACEP
Emergency Medicine Physicians, Ltd.
Canton, Ohio, USA

Sepsis, and the literature focusing on sepsis management, is complex and confusing. However, the basis of the recognition and management are more basic than many providers believe. The speaker will focus on practical solutions for sepsis management, emphasizing the value of early goal directed therapy, focusing on early detection, and exploring unique approaches to the initial management of sepsis.

MONDAY, JANUARY 21, 2013 1:15 P.M.-2:15 P.M.
ROOM #101

Unmasking the Problem: High Flow Nasal Cannula, a Novel Approach for Extubation Support
Sponsored by Vapotherm

Presenter: Daniel L. Herr, MD, MS, F.C.C.M.
University of Maryland Medical Center
Baltimore, Maryland, USA

Thomas Miller PhD, M.Ed.
Vapotherm
Stevensville, Maryland, USA

Vapotherm High Flow therapy offers a clinically effective alternative to more invasive, less comfortable respiratory modalities, including mechanical ventilation and NIV. The program discusses the mechanisms of action of high flow therapy and the clinical impact for critical care patients.

MONDAY, JANUARY 21, 2013 1:15 P.M.-2:15 P.M.
ROOM #103

50% Survival to Discharge from In-hospital SCA - The ART of Resuscitation
Sponsored by ZOLL Medical Corporation

Presenter: Daniel Davis, MD
University of California
San Diego, California, USA

The national average survival to discharge from in-hospital arrest is 17%, yet one team has managed to achieve 59% survival. They have reduced the incidence of codes through rapid response, while doubling the number of patients who survive neurologically intact. Magic? Statistics? No, ART: Advanced Resusitation Training. Join us to learn what is possible.

TUESDAY, JANUARY 22, 2013 8:15 A.M.-9:15 A.M.
ROOM #101

Extended Therapeutic Hypothermia Treatment for 72 Hours after Cardiac Arrest Due to Noncoronary Causes
Sponsored by ZOLL Medical Corporation

Presenter: Markus Föedish, MD
Waldkrankenhaus Bonn-Bad Godesberg
Bonn, Germany

Brain damage markers (NSE, S100P) are able to identify bad neurological prognosis and might be a marker for initiation of a longer course of targeted temperature management (TTM) after CPR. Data from a European registry shows the benefit of extended TTM for improvement of neurological outcome in patients with initial bad prognosis. Join us to learn more.

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Phone: +1 800 262-8462
Website: www.ambuusa.com

American Association of Critical-Care Nurses
Booth #210
101 Columbia
Aliso Viejo, CA 92656
United States
Phone: +1 949 362-2000
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.

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Phone: +1 877 225-8384
Website: www.ThePassMachine.com

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Phone: +1 212 315-8600
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Phone: +1 203 877-1999
Website: www.cardiopulmonarycorp.com

Cardiopulmonary Corp., headquartered in Milford, Connecticut, designs, develops and implements mission-critical enterprise medical software for a wide range of patient safety and critical-care telemedicine solutions. The Company’s Bernoulli® Enterprise real-time clinical safety surveillance and analytics software is deployed in greater than 1500 leading hospitals throughout the United States.

Cardiopulmonary Corp. specialists in completely noninvasive hemodynamic monitoring for adults, pediatrics, and neonates. These monitors provide continuous estimations of flow, contractility, resistance, and fluid as well as other hemodynamic parameters through the use of only four Cardiopulmonary Sensors.

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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 17.

Visit www.sccm.org/nccarm for more easy ways to share.
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Rue Bellard 19
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Belgium
Phone: +32 02 559 03 55
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 making international association. The main goals of the ESICM is 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.

Extracorporeal Life Support Organization (ELSO)
Booth #206
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United States
Phone: +1 734 998-6601
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Belgium
Phone: +32 2 555 3631
Website: www.intensive.org

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Phone: +1 847 400-9180
Website: www.nanosphere.us

Nanosphere has developed the FDA-cleared Verigene System, which is an easy-to-use cartridge-based platform that enables rapid multiplexed molecular testing. Current test offerings include applications in clinical microbiology, pharmacogenetics, and human genetics. Recently available, the Verigene BC-GP Test enables rapid bacterial identification and resistance determination directly from positive blood culture bottle.

Nestlé Health Science

Booth #1107
12 Vreeland Road
Florham Park, NJ 07932
United States
Phone: +1 973 765-1516
Website: www.nestlehealthscience.com

Nestlé Health Science, through its Nestlé HealthCare Nutrition business, offers nutritional solutions for people with specific dietary needs related to illnesses, disease states or the special challenges of different life stages. Nestlé Health Science has worldwide headquarters in Lutry (Switzerland) and is a wholly owned subsidiary of Nestlé S.A.

NeurOptics, Inc.

Booth #914
2082 Michelson Drive
Suite 450
Irvine, CA 92612
United States
Phone: +1 949 250-9792
Website: NeurOptics.com

Based in Irvine, California, NeurOptics, 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 NP™ - 100 Pupillometer for Critical Care, as well as pupillometers for research and ophthalmology. For more information, visit www.NeurOptics.com.
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.
**Nova Biomedical**
Book #820
200 Prospect Street
Waltham, MA 02454
United States
Phone: +1 800 458-5813
Website: www.novabiomedical.com

Nova manufactures StatStrip hand-held, point-of-care meters and Stat Profile® critical care analyzers. StatStrip's lab equivalent glucose accuracy has been validated in over 70 published hospital studies. StatStrip corrects for hematocrit, maltose, and other interferences that cause erroneous results on other glucose meters. StatStrip Lactate provides results in just 13 seconds using a tiny capillary finger-stick sample. Stat Profile pHOx analyzers measure up to 20 tests from two drops of whole blood in less than 2 minutes.

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**NxStage Medical, Inc.**
Book #818
439 S Union Street
Lawrence, MA 01843
United States
Phone: +1 978 987-4700
Website: www.nxstage.com

NxStage is leading a movement to transform renal care. Healthcare providers need solutions for acute renal care and fluid overload therapies that improve quality of care while reducing staff workload. The NxStage System One was designed to simplify the delivery of renal care in acute settings. For more information visit www.nxstage.com.

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**On Call Medical Coats**
Book #721
620 Franklin Avenue
Baltimore, MD 21221
United States
Phone: +1 410 574-2657
Website: www.medicalcoats.com

On Call produces the finest traditional labcoats available. We are not re-sellers of the mass-produced coats sold in uniform stores. Our coat production is supervised by a physician, and we only sell direct to the profession. We offer alterations and embroidery of names and logos for practices and institutions.

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**Otsuka America Pharmaceutical, Inc.**
Book # 1115; 1201
1 University Square Drive
Suite 500
Princeton, NJ 08540
United States
Phone: +1 609 524-6747
Website: www.otsuka-us.com

Otsuka America Pharmaceutical, Inc. (OAPI) is a successful, innovative, fast-growing healthcare company that commercializes Otsuka-discovered and other product opportunities in North America, with a strong focus on and commitment to neuroscience, cardiovascular, oncologic, and gastrointestinal therapeutic treatments. For additional information, please visit www.otsuka-us.com.

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**Pediatrrix Medical Group**
Book #915
1301 Concord Terrace
Sunrise, FL 33323
United States
Phone: +1 800 243-3839, ext 6512
Website: www.pediatrics.com/clinicalcareers

Pediatrrix Medical Group is the nation’s leading provider of neonatal, maternal-fetal and pediatric physician subspecialty services. Combined, our affiliated professional corporations provide quality patient care in 34 states and Puerto Rico. More than 1,900 physicians have joined us to pursue their personal and professional goals.

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**Percussionaire**
Book #1121
PO Box 817
Sandpoint, ID 83864
United States
Phone: +1 208 263-2549
Website: www.percussionaire.com

Therapeutic Lung Recruitment exclusively from Percussionaire®, High Frequency Percussive Ventilation (HFPV) including the VDR® 4 intensive care ventilator for managing the most challenging patients (especially burn and trauma) and the related IPV® devices. Also the Bronchotron® high frequency transport device and the Oscillator Serve® which allows HFOV to be added to an existing ventilator.

---

**Pronia Medical Systems**
Book #1100
7527 Beechspring Farm Boulevard
Louisville, KY 40241
United States
Phone: +1 845 641-7621
Website: www.proniamed.com

Pronia is the developer of the GlucoCare™ IGC System, an FDA-approved insulin-dosing calculator currently in use in multiple hospitals. It has been utilized in thousands of patients with outstanding results and nursing satisfaction. GlucoCare has cutting edge reporting features and a nearly non-existent incidence of hypoglycemia <40 mg/dL.

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**Pulsion Medical Inc.**
Book #811
2445 Gateway Drive
Suite 110
Irving, TX 75063
United States
Phone: +1 214 446-8500
Website: www.pulsion.com

Pulsion Medical Systems has become one of the worldwide leading specialists for intelligent diagnosis and therapy management systems dedicated to reducing hospital stay, patient mortality and associated treatment costs.

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**Philips Healthcare**
Book #801
3000 Minuteman Road
Andover, MA 01810
United States
Phone: +1 800 934-7372
Website: www.healthcare.philips.com/main/products/healthcare_informatics/index.wpd

As a global leader in healthcare technology, Philips is dedicated to improving lives through meaningful innovation. We understand that there is a patient connected to everything we do and all over the world, patients and clinicians count on us to deliver solutions across the continuum of care.

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**Pikeville Medical Center, Inc.**
Book #1019
911 Bypass Road
Pikeville, KY 41501
United States
Phone: +1 606 218-6223
Website: www.pikevillehospital.org

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**Pikeville Medical Center, Inc.**
Book #1010
7527 Beechspring Farm Boulevard
Louisville, KY 40241
United States
Phone: +1 845 641-7621
Website: www.proniamed.com

Pronia is the developer of the GlucoCare™ IGC System, an FDA-approved insulin-dosing calculator currently in use in multiple hospitals. It has been utilized in thousands of patients with outstanding results and nursing satisfaction. GlucoCare has cutting edge reporting features and a nearly non-existent incidence of hypoglycemia <40 mg/dL.
Preparing Your ICU for Disaster Response

If disaster strikes, is your ICU prepared? How do you optimally manage the incoming flow of critically ill and injured patients? *Preparing Your ICU for Disaster Response* serves as a step-by-step guide to help ICU professionals assess their current level of disaster preparedness.

Presented in an easy-to-follow format, this toolkit provides practical, usable information to help align your ICU response within an institutional disaster preparation plan, as well as tips for how to translate this plan to accommodate your specific resource needs in the event of a critical care surge.

$70 member / $99 nonmember  
Product code: PREPARE  
Publication year: 2011

Self-Directed FDM  
Available May 2013

Self-Directed Fundamental Disaster Management (FDM) provides a relaxed learning experience with access to the same didactic sessions found in the live version of an FDM course. Learn at your own pace from the comfort and convenience of your home or office and assess your knowledge through the use of pre- and post-tests.

Self-Directed FDM includes 14 modules with synchronized speaker audio and the third edition of the FDM textbook (English), which is an excellent desktop reference.

$175 member / $225 nonmember  
Product code: FDMON

To order these products, visit www.sccm.org/store, or contact SCCM Customer Service at +1 847 827-6888.


**Exhibitor Listing**

**Questcare Intensivists, PLLC**

Booth #304
12221 Merit Drive
Suite 1600
Dallas, TX 75251
United States
Phone: +1 214 217-1911
Website: www.questcare.com

Questcare Intensivists is an expanding group of fellowship-trained, board-certified Critical Care Physicians based in Dallas/Ft. Worth. Questcare provides a full spectrum of specialized services to provide comprehensive critical care to the most severely ill patients. Questcare is physician-owned and operated and offers its physicians an opportunity to become owners.

**Roche**

Booth #1012
9115 Hague Road
Indianapolis, IN 46256
United States
Phone: +1 317 512-2000
Website: www.poc.roche.com

Visit booth 1012 to learn how Roche Diagnostics provides innovative, customer-driven point-of-care systems that enable healthcare professionals and clinicians to improve patient safety, patient outcomes and workflow efficiency while maintaining regulatory compliance.

**SAGE**

Booth #806
2455 Teller Road
Thousand Oaks, CA 91320
United States
Phone: +1 805 410-7239
Website: www.sagepub.com

SAGE is a leading international publisher of journals, books, and electronic media for academic, educational, and professional markets. Since 1965, SAGE has helped educate a global community spanning a wide range of subject areas including business, humanities, social sciences, and science, technology, and medicine. Visit us at www.sagepub.com.

**Saint Joseph's Hospital Health Center**

Booth #203
301 Prospect Avenue
Syracuse, NY 13203
United States
Phone: +1 315-396-4364
Website: www.sjhsyr.org/careers

St. Joseph’s Hospital Health Center, located in Syracuse, NY, is a 431 bed hospital with a 36-bed ICU, state-of-the-art facilities and the first and only hospital in the region to receive Chest Pain Center accreditation. Syracuse is located in the geographic center of New York State.

**Sentec, By Master Distributor Bemes, Inc.**

Booth #1202
800 Sunpark Drive
Fenton, MO 63026
United States
Phone: +1 800 969-2363
Website: www.sentec.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.

**Telexflex**

Booth #1001
2400 Bernville Road
Reading, PA 19605
United States
Phone: +1 800 523-8446
Website: www.telexflex.com

Telexflex, through our Arrow, Hudson RCI and Rusch brand of products, is dedicated to partnering with healthcare providers to provide solutions that help minimize risk and maximize outcomes. We produce disposable medical products for vascular access and critical care applications, respiratory and anesthesia airway products, cardiac devices and surgical products.

**The Blood CME Center**

Booth #418
163 Madison Avenue
Suite 401
Morristown, NJ 07960
United States
Phone: 873-588-1407
Website: www.bloodcmecenter.org

The Blood CME Center was established by practicing clinicians to serve as both a resource center and a platform for a range of educational activities and programs that provide the latest information on diseases and conditions affecting or relating to perioperative hemostasis, hematologic malignancies, hemophilia and other blood factor disorders.

**The Intensivist Company**

Booth #714
820 Evergreen Avenue
Pittsburgh, PA 15209
United States
Phone: +1 800 655-2656
Website: www.theintensivistcompany.com

The Intensivist Company, an ICU-centric services company offers critical care consulting, billing, and recruitment. Intensivist Billing provides comprehensive billing services for hospital-based specialties, compliance programs, customized reports, and full electronic integration. Intensivist Consulting offers financial modeling, development, and implementation of Intensivist programs. Intensivist Jobs recruits physicians nationwide.

**The Intensivist Group, a Cogent-HMG Affiliate**

Booth #707
5410 Maryland Way
Suite 300
Brentwood, TN 37027
United States
Phone: +1 615 377-5648
www.cogenthmg.com

The Intensivist Group, a Cogent-HMG affiliate, is one of the nation’s most innovative healthcare organizations, providing critical care services to a diverse network of state of the art academic medical centers and 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.
Prepare for certification or recertification from the comfort and convenience of your home or office.

The Society of Critical Care Medicine (SCCM) offers a complete line of self-study board review solutions to prepare you for exam day. Here’s how it works:

- **ASSESS** your knowledge with *Self-Assessment in Pediatric 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.
  - $200 member / $260 nonmember
  - Product Code: SAPMCC1 (Print) SAPMCC1I (Interactive)

- **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.
  - $195 member / $255 nonmember
  - Product Code: COMPREVP

- **LEARN** all you need to know through the recorded lectures from the July 2012 live course with *Pediatric Multiprofessional Critical Care Board Review Course (MCCBRC) On Demand*.
  - $595 member / $775 nonmember
  - Product Code: PBOARD12OD

- **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).
  - $895 member / $1150 nonmember
  - Product Code: COMPPREPBUNDP

For more information or to purchase these products, visit [www.sccm.org/store](http://www.sccm.org/store), or contact SCCM Customer Service at +1 847 827-6888.
**Exhibitor Listing**

**Thermo Scientific**  
Booth #1206  
8365 Valley Pike  
Middletown, VA 22645  
United States  
Phone: +1 800 232-3342  
Website: www.thermoscientific.com/brahms

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 BRAHMS line of immunoassays facilitate earlier diagnosis of diseases and better control of therapy, thus enabling doctors to improve patient outcomes.

**USCOM**  
Booth #1017  
10 Loftus Street  
Level 7  
Sydney, NSW 2000  
Australia  
Phone: +61 2 9247 4144  
Website: www.uscom.com.au

USCOM is a totally noninvasive, rapid and easy to use hemodynamic monitor for fluid optimization and hemodynamic management. Suitable for neonates through geriatrics, trending data assists the physician to guide therapies such as fluids, inotropes and vasoactive drugs. USCOM is portable, safe and accurate. No disposables ensure ongoing cost effectiveness.

**Z-Medica**  
Booth #416  
4 Fairfield Boulevard  
Walingford, CT 06492  
United States  
Phone: +1 203 294-0000  
Website: www.z-medica.com

Z-Medica Corporation 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™, QuikClot® 4x4™, QuikClot Combat Gauze®, QuikClot® Interventional™, and QuikClot® Radial™.

**Vidacare Corporation**  
Booth #320  
4350 Lockhill Selma Road  
Suite 150  
Shavano Park, TX 78249  
United States  
Phone: +1 866 479-8500  
Website: www.vidacare.com

Vidacare Corporation’s EZ-IO® Intraosseous Infusion System provides immediate vascular access using the intraosseous (Inside the bone) space and is used by 90 percent of US ambulances, over half of Emergency Departments, and the US Military. Privately held, Vidacare’s products are marketed in over 50 countries worldwide.

**Vision-Sciences, Inc.**  
Booth #415  
40 Ramland Road South  
Orangeburg, NY 10962  
United States  
Phone: +1 845 365-0600  
Website: www.visionsciences.com

Vision-Sciences provides advanced flexible video and fiberoptic endoscopy systems with EndoSheath® Technology. EndoSheath® Bronchoscopy gives practitioners an “always ready” bronchoscope that utilizes the sterile, disposable EndoSheath® Technology: a protective barrier between the scope and patient that allows for rapid equipment turnaround, enhanced infection control, less capital and service costs.

**Vapotherm**  
Booth #1215  
198 Log Canoe Circle  
Stevensville, MD 21666  
United States  
Phone: +1 410 604-3977  
Website: www.vtherm.com

Vapotherm is the only company to detect ECG changes suggestive of an Acute Myocardial Infarction in real time and derive 15-22 lead ECG with only 5 electrodes connected to the patient. This technology has the potential to reduce costs and may provide faster patient treatment to save heart muscle.

**VectorCor, Inc.**  
Booth #920  
785 Totowa Road  
Suite 100  
Totowa, NJ 07512  
United States  
Phone: +1 973 904-0444  
Website: www.vectorcor.com

VectorCor is the only company to detect ECG changes suggestive of an Acute Myocardial Infarction in real time and derive 15-22 lead ECG with only 5 electrodes connected to the patient. This technology has the potential to reduce costs and may provide faster patient treatment to save heart muscle.

**Zefon International Grip-Lok**  
Booth #1112  
5350 SW 1st Lane  
Ocala, FL 34474  
United States  
Phone: +1 800 282-0073  
Website: www.zefon.com

Zefon International manufactures Grip-Lok™, a securement device for catheters, lines and tubes. It is designed to hold patient catheters and lines in place to prevent unnecessary line pulls, improve patient care and reduce hospital costs. Grip-Lok is also available with hydrocolloid adhesive for neonatal and sensitive skin patients.
## Exhibitor Aisle Listing

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Faced with the pressure of managing an open abdomen?

Take control early. The innovative ABThera™ Open Abdomen Negative Pressure Therapy System can help you achieve primary fascial closure.

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DSL#11-0229.SCCM (12/12)

To learn more visit KCI at booth #221

www.openabdomen.com
## Product Categories

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## Product Categories

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Drug-Induced Complications in the Critically Ill Patient: A Guide for Recognition and Treatment

Drug-Induced Complications in the Critically Ill Patient: A Guide for Recognition and Treatment delivers concise, up-to-date, and clinically relevant coverage on the identification, prevention and management of adverse drug events (ADEs) in the intensive care unit (ICU). Arranged in two sections, the book opens with a review of common ADEs, their detection and treatment. The second section serves as a comprehensive manual for critical care professionals who want to establish programs and processes that prevent the occurrence of ADEs in their institutions.

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- Drug-Induced Red Blood Cell Disorders
- Active Patient Safety Surveillance Systems to Prevent Adverse Drug Events in the ICU
- Drug Shortages: Impact on the Critically Ill Patient and Management Strategies

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- Critical Care Congress
- Current Concepts in Adult Critical Care
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- Getting Oxygen In
- Integrating Communication Bundles Into Your ICU
- Managing Intra-Abdominal Hypertension and Abdominal Compartment Syndrome
- Measuring Adequacy of Oxygenation
- Moving Oxygen Around
- Neurological Care of the Critically Ill Patient
- Pediatric Multiprofessional Critical Care Board Review Course
- Pharmacotherapy in Critical Illness
- Post-Intensive Care Syndrome (PICS)
- So You Got a Simulator, What Do You Do Now?
- Talking to Families About Palliative and End-of-Life Care
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- Echocardiographic Approach to Shock
- Hypovolemia and Volume Responsiveness
- Hemodynamic Measurements and Systolic Function
- Vascular Access and Non-Vascular Procedures

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August 9, 2013
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Washington, DC, USA

Topics to be covered include:
- Advanced Hemodynamic Measurements
- Left Ventricular Systolic Function (Quantitative and Semi-Quantitative)
- Lung Ultrasound (Pulmonary Edema)
- Basic Valvular Assessment
- Pitfalls and Limitations of Echocardiography in the ICU
- Implementation of an ICU Ultrasound Program

Watch www.sccm.org/ultrasound for more details.
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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 relevant to adult patients in the intensive care unit.

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- Epidemiology of Critical Care
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The 2013 course featured the following topics:

- Role of Patient Simulation in Improving Patient Outcomes
- Understanding Costs and Reducing Waste in Pediatric Healthcare
- International Pediatric Critical Care
- Biomarkers of Acute Renal Injury
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