Program and Exhibition Guide

Critical Care Congress

February 4-8, 2012 ▲ Houston, Texas, USA
▲ George R. Brown Convention Center

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An ancient fortress, tropical rainforest, exotic caves, and breathtaking beaches are all top attractions in Puerto Rico. The island’s most unique feature is its bioluminescent bays. These rare and fragile ecosystems formed by microscopic organisms create a glow when agitated, bathing anything that comes in contact with them – whether fish, oars, or people – in an eerie light. Just like people, these creatures thrive and glow the brightest when the environment surrounding them is healthiest.

In 2013, we invite you to go for the glow at the Society of Critical Care Medicine’s 42nd Critical Care Congress. Surrender to the charm of island life. Enjoy paradise in its purest form and catch up on life’s most perfect pleasures so you can return from Congress refreshed and energized.

Registration opens June 2012 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 41st Critical Care Congress:

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

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**Navigate your mobile Web browser to** [www.sccm.org/ccc41app](http://www.sccm.org/ccc41app)

- Access detailed session, speaker, business meeting, and exhibitor information from your smart phone.
- Navigate the convention center and exhibit hall with interactive maps.
- Receive real-time notifications such as schedule, room or speaker changes.
- Build your own custom schedule and “favorite exhibitor” list.
- Access the Professor Walk Rounds schedule and detailed abstract descriptions.
- Connect with friends and colleagues at the 41st Critical Care Congress via your favorite social media sites.

An app customized to your device will download automatically from [www.sccm.org/ccc41app](http://www.sccm.org/ccc41app). Or, search "SCCM" in your provider’s app store.

Visit [www.sccm.org/CCC41app](http://www.sccm.org/CCC41app) for more information.
Welcome to Houston and to the Society of Critical Care Medicine’s (SCCM) 41st Critical Care Congress.

Among all the learning and logistics, we hope every Critical Care Congress also allows for inspiration and rejuvenation. This year’s 41st Critical Care Congress is no different as we pair our educational offerings with something new: artistic exploration. For months, the Society has been gathering entries for our Congress Artistic Showcase, a unique opportunity for members of the critical care community to share their creative passions and talents.

We’ve received entries from critical care professionals eager to share their poetry, paintings, musical inclinations and other talents. Our Opening Session will kick off with a performance by The Codes, a rock band whose members are all practicing neurocritical care physicians. Other participants will include SCCM Council member and flautist Lynn A. Kelso, MSN, ACNP-BC, FCCM, and Serena Fox, MD, who will read her poetry based on experiences in the intensive care unit.

These efforts are not only a fun and different way to highlight the outside interests of our members, they also remind us of the connection between art and medicine. This link, traced to the dawn of medical science, challenges us to move beyond our traditional boundaries of medicine to stimulate new or alternative ways of thinking. Of course, we are all taught from the beginning that healing is an art. In these times of modern practice – where we rely more and more on technology and machines – it is important to be reminded of this. Art can provide insight into shared human experiences as well as the differences or similarities among individuals; it can enrich the language and thought of the practitioner.

“There is something to be gained from the art side of medicine,” noted Fox, who will share her book of poems titled Nightshift. “Any amount of understanding you bring to the bedside is helpful in your practice. Poetry can help do that as well as painting and music.” Writing also has helped Fox process her own feelings within the tense and often emotional environment of the ICU. “When you are in an acute situation, you must be strong. But, there comes a time later when you must allow yourself to reflect and process your own feelings. For me, poetry is a way of resolving these feelings. Poetry is the way I describe the things that happen to me – the awe, wonder, and melancholy of the day.”

We expect the artistic showcase to lend a great deal of fun to Congress as we learn about the creative sides of our colleagues and explore their lives beyond the borders of the intensive care unit. During Congress, we obviously tend to identify ourselves first by our role within the intensive care team, but we are so much more than those roles. It will be exciting to see all the painters, dancers, writers, musicians, and all artists, in our midst and to explore the implications of their art on our practice. We also must think about how exposure to art might continue to influence us as people and medical professionals.

Can reading Emily Dickinson or Ernest Hemingway remind us of the universality of the patient experience? Can listening to a piece of classical music help train our listening skills? The humanities and liberal arts left a huge impression on the history of medicine, but they have a place in our present and in our future. We both look forward to the Congress Artistic Showcase as a source of enjoyment and inspiration during what promises to be another stellar educational meeting.

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 Houston, Texas, USA, to develop friendships, network with multiprofessional critical care colleagues and learn from world-renowned faculty. SCCM is grateful to those individuals who have traveled a great distance to be here at Congress.
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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.
Membership Application

Personal Information

Prefix  First Name  Middle Initial  Last Name (Surname)  Designation (MD, RN, PharmD, etc.)  Profession

Institution Name:

Address

Office Number/Street/Suite  City/State/Province  Zip  Country

Home Number/Street/Suite  City/State/Province  Zip  Country

Phone/Email

Business Phone Number  Business Email

Home Phone Number  Home Email

Certifications

Board Certification(s)/License(s) & Year:________________________ Subspecialty Board & Year:____________________

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

Type of Residency/Fellowship  Institution Name  Start Date (MM/DD/YY)  End Date (MM/DD/YY)

Program Director's Name  Location

Membership Options

- Healthcare Professional  Dues $155 U.S. – Available to all healthcare professionals except physicians. Provides full privileges of membership.
- Physician  Dues $355 U.S. – Provides full privileges of membership.
- International Physician  Dues $250 U.S. – Available to physicians residing outside the United States. Provides privileges of membership, except the right to make motions, vote, or hold office.
- Young Physician  Dues $195 U.S. – Available to physicians who have completed their fellowship training programs within the last three years. Documentation verifying the fellowship program completion date is required. Provides full privileges of membership.
- In-training (check one)  Fellow  Resident  Student  Dues $85 U.S. – Available to individuals in specialty training programs or pursuing education in healthcare and related fields. Provides privileges of membership, except the right to make motions, vote, or hold office.
- Verification letter from program director is required.

International Associate  Dues $35 U.S. – Available to all healthcare professionals residing outside the United States. Provides privileges of membership, except the right to vote, make motions, hold office; receive Critical Care Medicine; or apply for fellowship in the American College of Critical Care Medicine.

Payment Information

Annual Dues

Charge to:  American Express  Discover  MasterCard  Visa

Card Number  Expiration Date

Cardholder Name

Signature  Date

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

Specialty Sections

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

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

*Please note that Pediatric Section membership has an associated fee of $82 U.S., which includes a subscription to Pediatric Critical Care Medicine.

Chapters

Membership includes the option to join one of 11 state and regional chapters for an additional fee of $45 U.S. (In-training members may join at no cost.)

- Baltimore
- Carolinas/Virginias (NC, SC, VA, WV)
- Michigan
- New Jersey
- 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

Primary Employment Settings

- Government Hospital/Clinic
- Medical School/University
- Non-Government Hospital/Clinic
- Pediatric/Multispecialty Group Practice
- Solo/Two-Physician Practice
- Staff Model HMO
- Other:

Ethnic/Culture Group

- African American/Black
- Asian/Pacific Islander
- Hispanic
- Native American/Native Alaskan
- White/Non-Hispanic
- Other:

Gender

- Male
- Female

Date of Birth (mm/dd/yyyy)

Total Enclosed $______ U.S.

Please make check payable to Society of Critical Care Medicine (U.S. funds drawn on U.S. bank) or International Money Order.

CON11M
Dear Colleague,

Thank you for joining us in Houston, Texas, USA, for the Society of Critical Care Medicine’s (SCCM) 41st Critical Care Congress, February 4 to 8, 2012, as we strive for new heights of innovation in the city of Houston — the ideal setting to explore new critical care frontiers.

Houston scores in medical breakthroughs and healthcare as home to the world’s largest medical complex: the Texas Medical Center. In accordance with Houston’s ground-breaking initiatives, SCCM is making the 2012 Congress more innovative than ever. It will be a showcase for the latest creative solutions that dramatically improve the outcomes and lives of patients.

The 2012 Congress content will encompass all critical care disciplines, delve into an array of important clinical issues and generate pioneering ideas to improve critical care worldwide. 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.

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

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New findings in neuroscience have created a better scientific understanding of the relationship between consciousness and delirium. Sedation and Delirium in the ICU will explore this clinical breakthrough and how it can be used to start developing optimal treatment strategies. During this breakfast symposium, expert faculty will discuss the magnitude of delirium as a problem in the intensive care unit (ICU), examine the new findings in neuroscience that pertain to consciousness and delirium and review the new sedation guidelines from the American College of Critical Care Medicine.
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Calling All 42nd Critical Care Congress Abstracts!

Make your contribution to the advancement of critical care by submitting your original investigative research and case reports for the 42nd Critical Care Congress. If accepted, your work will be on display throughout Congress, which will be held January 19 to 23, 2013. 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 May 1, 2012 to September 5, 2012.
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Use Houston as your launching pad to explore southern Texas. SCCM is offering the following organized tours:

**Houston City Tour**
Enjoy a driving tour of popular downtown attractions including Minute Maid Park and The Toyota Center. Next you will visit the Houston Museum District, home to the Museum of Fine Arts, Contemporary Arts Museum, and the fourth most visited museum in the country, the Houston Museum of Natural Science. You will also drive by the Texas Medical Center, the world’s largest and most renowned medical center, and will end the tour with an overview of the Galleria area.

**Galveston Museum and Historic Tour**
Your day will begin with a driving tour of some of Galveston’s historic homes and architecture. You will also have time to dip your toes in the sand with a stop at one of Galveston’s beautiful beaches. Then enjoy time at the historic Strand, home to more than 100 shops, antique stores, restaurants, and art galleries. Make your way to Bishop’s Palace, which is the most famous architectural wonder in historic Galveston.

**Space City USA (NASA)**
Do you know what the first word spoken on the moon was? Do you know where the astronauts train? Learn the answers to these questions (and many more) during this trip to Space Center Houston. Upon arrival, you will have the opportunity to take a self-guided or group tour, as well as view actual spacecraft, spacesuits, moon rocks, and other space artifacts. After exploring Space Center Houston, enjoy a guided tram tour of NASA’s Johnson Space Center which provides a behind-the-scenes look at historic or active Mission Controls, Rocket Park and the astronaut training facility.
Medical Tours at Texas Medical Center

The Texas Medical Center is the largest medical center in the world with one of the highest densities of clinical facilities for patient care, basic science and translational research. Set on more than 1,000 acres in downtown Houston, its 49 member institutions include 25 government agencies, 21 academic institutions, 14 hospitals, 3 medical schools, and 6 nursing schools. The Texas Medical Center receives 160,000 daily visitors and over 6 million annual patient visits, including 18,000 international patients. It is the site of one of the first and largest air ambulance services, the largest facility in the United States where proton therapy is used to treat cancer, the site of a successful inter-institutional transplant program, and soon the home of the largest pediatric hospital in a suburban setting.

Tours to Texas Medical Center member institutions will last for 2 hours and will depart from the George R. Brown Convention Center.

The following institutions will showcase their intensive care units (ICUs) and/or highlight areas outside their ICUs that are unique to critical care:

▲ Memorial Hermann-Texas Medical Center
▲ St. Luke’s Episcopal Hospital
▲ Texas Children’s Hospital
▲ The Methodist Hospital
▲ The University of Texas M.D. Anderson Cancer Center

Additional information is available at www.sccm.org/congress.

Sign up for these tours at the Tickets Only Booth at Registration.

Sightseeing Activities

**SUNDAY, FEBRUARY 5**
• Galveston Museum and Historic Tour
  9:00 a.m. – 4:00 p.m.

**MONDAY, FEBRUARY 6**
• Space City USA (NASA)
  9:00 a.m. – 3:00 p.m.
• Houston City Tour
  1:00 p.m. – 4:00 p.m.

Medical Tours at Texas Medical Center

Tours to Texas Medical Center member institutions will last for 2 hours, and will depart from the George R. Brown Convention Center. Choose one tour per time period each day.

The following tours will showcase an ICU.

**SUNDAY, FEBRUARY 5**
• Memorial Hermann-Texas Medical Center
  3:00 p.m. – 5:00 p.m.
• St. Luke’s Episcopal Hospital
  3:00 p.m. – 5:00 p.m.
• The Methodist Hospital
  3:00 p.m. – 5:00 p.m.

The following tours will highlight areas outside an ICU that make the facility unique to critical care.

**MONDAY, FEBRUARY 6**
• Memorial Hermann-Texas Medical Center – will include Children’s Memorial Hermann Hospital, Life Flight, and various adult ICUs
  10:00 a.m. – 12:00 p.m.
• St. Luke’s Episcopal Hospital – will include Neuro Intensive Care, Cardiovascular ICU, Cardiac Cath Lab and Neuro-Interventional Radiology
  3:15 p.m. – 5:15 p.m.
• Texas Children’s Hospital – will include various ICUs
  3:15 p.m. – 5:15 p.m.

**TUESDAY, FEBRUARY 7**
• The Methodist Hospital – will include MITIE (Methodist Institute for Technology Innovation and Education), and the DeBakey Heart and Vascular Center Cardiovascular ICU
  10:00 a.m. – 12:00 p.m.
• The University of Texas M.D. Anderson Cancer Center – will include the ICU
  3:15 p.m. – 5:15 p.m.
When the American College of Critical Care Medicine (ACCM) was created in 1988, the Society of Critical Care Medicine (SCCM) began a tradition dedicated to the recognition of excellence.

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

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

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

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

**SUNDAY, FEBRUARY 5, 2012**
10:30 A.M. – 11:30 A.M.

**CONVENTION CENTER**
ROOM 361

Attend this session to obtain information 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, 2012.

### ACCM Convocation and SCCM Awards Ceremony

**MONDAY, FEBRUARY 6, 2012**
6:00 P.M. – 7:30 P.M.

**HILTON AMERICAS-HOUSTON**
LANIER GRAND BALLROOM G

Members and guests are invited to attend the ACCM Convocation and SCCM Awards Ceremony where 57 new Fellows will be inducted into the ACCM and award and grant recipients will be honored. New this year is the Master Critical Care Medicine (MCCM) designation, and 20 individuals will be recognized with this honor. Come support your colleagues on this prestigious occasion.

**Robert M. Kacmarek, RRT, PhD, FCCM,** is the recipient of the 2012 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. Dr. Kacmarek’s address is titled “Professionalism, Clinical Research and Critical Care Medicine.”

### ACCM Town Hall

**TUESDAY, FEBRUARY 7, 2012**
3:15 P.M. – 4:45 P.M.

**CONVENTION CENTER**
ROOM 361

All Congress attendees are invited to attend the ACCM’s Town Hall where this year’s topic will be “Building and Renovating the ICU: Making Sure Our Efforts Are Worth It.” Presenters include:

▲ Charles Cadenhead, FAIA, FACHA, FCCM -- Design Has Come a Long Way - How Far Can It Go?
▲ Maureen A. Harvey, RN, MPH, FCCM -- The Built Environment as Care Extender
▲ Neil Halpern, MD, FCCM -- The ICU Smart Room; Enhancing Care in Ways We’ve Never Thought of

Don’t miss this interactive discussion!

### ACCM Business Meeting

**TUESDAY, FEBRUARY 7, 2012**
4:45 P.M. – 5:15 P.M.

**CONVENTION CENTER**
ROOM 361

The leadership of the American College of Critical Care Medicine will announce election results for the 2012-2013 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.
Prepare for certification or recertification from the comfort and convenience of your home or office.

**Self-Assessment in Adult Multiprofessional Critical Care** helps you identify areas of strength and weakness ahead of the exam, and the Multiprofessional Critical Care Board Review Course (MCCBRC) On Demand helps to fill in any knowledge gaps.

- **Adult MCCBRC On Demand** provides a relaxed learning experience by allowing you to view the educational sessions of the live board review course on your own time and at your own pace. Videos containing both slides and lectures from every session are available in searchable format, making it the next best thing to attending the live event. Downloadable MP3 audio files allow you to learn while you are on the go.
  
  $595 member / $775 nonmember • Product Code: BOARD11OD

- **Self-Assessment in Adult Multiprofessional Critical Care, Seventh Edition** offers hundreds of multiple-choice study questions designed to help you pass your subspecialty board exam. Questions are based on real-world case studies, and an answer key helps you measure your progress.
  
  $200 member / $260 nonmember • Product Code: SAMCC7

- **Self-Assessment in Adult Multiprofessional Critical Care—Interactive Edition** consists of a series of online test questions on critical care knowledge, and offers immediate feedback to identify areas of strength and weakness, along with rationales and references for missed questions.
  
  $200 member / $260 nonmember • Product Code: SAMCC7I

**Get All 3 for the Price of 2**

When you purchase MCCBRC On Demand and one of the Self-Assessment products, you’ll get the other Self-Assessment product for free.

$795 member / $1,035 nonmember • Product Code: PREPBUND

To access these SCCM products, visit [www.sccm.org/store](http://www.sccm.org/store), or contact SCCM Customer Service at +1 847 827-6888.
Popular Events and Sessions

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.

Fellowship Directors’ Luncheon
Critical care fellowship program directors are invited to participate in the Fellowship Directors’ Luncheon, to be held on Monday, February 6, 2012, from 12:00 p.m. to 1:20 p.m. in Room 361 at the George R. Brown Convention Center. This year’s luncheon will provide the latest information on teaching and implementing quality improvement strategies in the ICU. In addition to attending a presentation given by William C. Chiu, MD, FCCM, the audience is encouraged to engage in round table discussions and group interactions on this topic.

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

Abstract Presentations and Poster Hall Events
ePosters and Poster Hall
In addition to the standard poster hall, attendees will have the opportunity to view all posters in an electronic format via computers, screens and other mobile views within the poster hall. These posters will be searchable and include enhanced information to provide the most comprehensive information on critical care research.

Oral Presentations
Oral presentations will be scheduled, unopposed, for two hours on Sunday, February 5, 2012. These presentations will highlight the top 64 abstracts.

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, February 5, through Tuesday, February 7, 2012. Winners of SCCM’s abstract-based awards will be recognized during a ceremony on Tuesday, February 7, 2012 in Room 361 at the George R. Brown Convention Center.

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, February 5, through Tuesday, February 7, 2012.

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:

Robert M. Pearl, MD
Executive Director and CEO
The Permanente Medical Group
Oakland, California, USA
AKE GRENVIK HONORARY LECTURE
SUNDAY, FEBRUARY 5, 2012 • 8:55 A.M. – 9:30 A.M.
Healthcare in the 21st Century

Kevin K. Tremper, MD, PhD, FCCM
Professor, Anesthesiology
University of Michigan Medical Center
Ann Arbor, Michigan, USA
SUNDAY, FEBRUARY 5, 2012 • 2:00 P.M. – 2:45 P.M.
From Patient Safety to Population Outcomes

Monty Mythen, MD, FCCM
Smiths Medical Professor of Anesthesia and Critical Care
University College London
London, United Kingdom
PETER SAFAR HONORARY LECTURE
MONDAY, FEBRUARY 6, 2012 • 8:15 A.M. – 9:00 A.M.
Human Tolerance of Hypoxemia Reborn

Polly E. Parsons, MD
Chair, Medicine
Fletcher Allen Health Care
Burlington, Vermont, USA
MONDAY, FEBRUARY 6, 2012 • 1:30 P.M. – 2:15 P.M.
Biomarkers in Acute Lung Injury: Are We Still on a Quest for the Holy Grail?

Susan C. Fagan, PharmD, BCPS, FCCP
Professor and Associate Head
University of Georgia
Augusta, Georgia, USA
WILLIAM SHOEMAKER HONORARY LECTURE
TUESDAY, FEBRUARY 7, 2012 • 8:15 A.M. – 9:00 A.M.
Vascular Protection After Acute Ischemic Stroke: Progress in Translation

Joseph E. Parrillo, MD, FCCM
Professor of Medicine
Cooper University Hospital/UMC
Camden, New Jersey, USA
LIFETIME ACHIEVEMENT AWARD WINNER
TUESDAY, FEBRUARY 7, 2012 • 1:30 P.M. – 2:15 P.M.
Cardiac Depression in Septic Shock: Three Decades Defining Mechanisms and Management

Niranjan Kisssoon, MD, FCCM
Vice President Medical Affairs
British Columbia Children's Hospital; Associate Head and Professor, University of British Columbia
Vancouver, British Columbia, Canada
MAX HARRY WEL HONORARY LECTURE
WEDNESDAY, FEBRUARY 8, 2012 • 8:15 A.M. – 9:00 A.M.
Surviving Sepsis: The Road Less Traveled?
In-Training Section

Are you In-Training? Attend the In-Training Section Session:

SUNDAY, FEBRUARY 5, 2012 9:30 A.M. – 12:30 P.M.  ROOM 381B

In-Training Section Session: Transition to First Job After Fellowship – Workshop on Job Interview/Business Meeting

LEARNING OBJECTIVE:

• Discuss key issues encountered during the transition from fellowship to attending

> Job Market in Critical Care Medicine
    J. Perren COBB

> Contract Perils
    Jim PAPPAS

> How to Incorporate NIH Support in Work Negotiations
    Scott SOMERS

> Job Interview
    Vinay NADKARNI, Robert A. BERG, Barry P. MARKOVITZ, Timothy S. YEH, Marc T. ZUBROW

Saturday, February 4, 2012
Hilton Americas – Houston, Texas
Lanier Grand Ballroom D
6:30–9:00 PM

Faculty

Bruce Friedman, MD, FCCP, FCCM, CNSP – Chair
Critical Care and Co-Director
Joseph M. Still Burn Center
Professor of Medicine
Georgia Health Sciences University
Augusta, Georgia

Biff F. Palmer, MD, FACP, FASN
Professor of Internal Medicine
University of Texas Southwestern Medical Center
Dallas, Texas

Mark J. Rumbak, MD, FCCP
Professor of Medicine
Division of Pulmonary, Critical Care and Sleep Medicine
University of South Florida College of Medicine
Tampa, Florida

Denise H. Rhoney, PharmD, FCCP, FCCM
Associate Professor and Chair
Division of Pharmacy Practice and Experiential Education
University of North Carolina Eshelman School of Pharmacy
Chapel Hill, North Carolina

Program Overview

Join your colleagues at this program to discuss the diagnostic considerations and management of hyponatremia, a common electrolyte disorder in the critical care setting.


Space is limited!
Dinner will be provided.

© 2011 Otsuka America Pharmaceutical, Inc. December 2011 0711M-3602C
SCCM Central presents a whole world of critical care resources in a single, one-stop venue. Please visit Level 3, in Exhibit Hall A3, 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. Non-members can stop by SCCM Central to take advantage of the special introductory membership offer for attendees of the 41st Critical Care Congress: $110 for Healthcare Professionals, $250 for Physicians and $150 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 11 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.

New this year is the Master Critical Care Medicine (MCCM) designation. The MCCM honors Fellows of the College who have distinguished themselves by achieving national and international professional prominence due to personal character, leadership, eminence in critical care, or years of exemplary service to SCCM, ACCM and the field of critical care in its broadest sense. To be eligible, an individual must have been an FCCM for at least five years. Fellows may nominate other Fellows for this honor. Visit SCCM Central for information on applying for Fellowship in the ACCM or to obtain more information on nominating a colleague for the MCCM designation.

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
Be sure to take advantage of six chances to win great prizes. Drawings will award SCCM Swiss Army watches and either an Apple iPad or $500 Apple gift card. Please complete the drawing tickets included in your registration packet and drop them at the raffle drum in SCCM Central during the allotted times.

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.
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:**

- **$250 for Physicians** (regular rate: $255)
- **$110 for Healthcare Professionals** (regular rate: $155)
- **$150 for International Physicians** (regular rate: $250)

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

Please visit the SCCM registration desk to become a member today!
Research has shown that art promotes healing and enhances the lives of patients, families, visitors, and employees. Art in a healthcare setting, combined with outstanding care and service, creates an ambience that encourages recuperation and supports the work of medical professionals.

To encourage artistic expression and its many benefits, SCCM has integrated visual and performing arts into the 41st Critical Care Congress Artistic Talent Showcase. Nearly fifty SCCM members and attendees of multiple professions and varying locations made this event possible by volunteering to share their artistic talents, and we thank them for their efforts. The talented individuals showcased include:

**DISPLAYS**

**THIRD FLOOR, GRAND BALLROOM Foyer**

**SECOND FLOOR, OUTSIDE ROOM 216**

**DRAWINGS**

**Jim BROWN**  
Accounting Manager  
Society of Critical Care Medicine  
Mount Prospect, Illinois, USA

**Alysia GRAHAM-BURKE**  
Houston, Texas, USA

**Benjamin HIDALGO**  
Belize City, Belize

**Sonali MANTOO, MD**  
Mount Sinai Hospital  
New York, New York, USA

**Harriet D. MILLER, PhD, ARNP, CPN**  
Clinical Nurse Research Scientist  
Orlando Health System  
Orlando, Florida, USA

**Lisa A. PATTERSON, MD**  
Associate Professor, Surgery  
Baystate Medical Center  
Springfield, Massachusetts, USA

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Houston, Texas, USA

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Critical Care Clinical Pharmacist  
Clinical Pharmacy Coordinator  
Taylor Hospital  
Ridley Park, Pennsylvania, USA

**Todd CANADA, PharmD**  
Clinical Pharmacy Services Manager  
M.D. Anderson Cancer Center  
Houston, Texas, USA

**Amalia COCHRAN, MD**  
University of Utah  
Salt Lake City, Utah, USA

**Julian CORLACI**  
e-Developer  
Society of Critical Care Medicine  
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**Jorge HIDALGO, MD, FACP, FCCM, FCCP**  
Professor of Critical Care  
Chief, Critical Care Division  
Karl Heusner Memorial Hospital  
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Athens, Georgia, USA

**Gerhaldine HIDALGO**  
Belize City, Belize

**Janani T. TULADHAR, MD**  
Saint John’s Regional Medical Center  
Springfield, Missouri, USA

**JEWELRY**

**Sophia CHU RODGERS, ACNP, FCCM**  
Southwest Internists, LLC  
Albuquerque, New Mexico, USA

**NEEDLEPOINT**

**Irene M. SPINELLO, MD, MBA, FCCM**  
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Bakersfield, California, USA
Luis Enrique Esteves LECHAROS, MD
Hospital Edgardo Rebagliati Martins
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Adjunct Faculty
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Albany, New York, USA

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Nashville, Tennessee, USA

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Hilde Debruyne VERHOFSTE
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Director, Surgical Critical Care
Christiana Care
Wilmington, Delaware, USA

Judy E. DAVIDSON, DNP, RN
Director, Research Integration and Management
Scripps Health
La Jolla, California, USA

Serena J. FOX, MD
Clinical Associate Attending, Department of Medicine (Medical ICU)
Beth Israel Medical Center
New York, New York, USA

Ayan SEN, MD
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania, USA

Lai BROOKS, DNP, FNP
Program Director of Epilepsy Patients
Le Bonheur Children’s Hospital
Memphis, Tennessee, USA

Paula DYCUS, DNP, RN, CPHQ, NEA-BC
Administrative Director of Professional Practice and Research
Magnet Program Director
Le Bonheur Children’s Hospital
Memphis, Tennessee, USA

Stacy HINES-DOWELL, DNP, FNP
Genetics Nurse Practitioner
Le Bonheur Children’s Hospital
Memphis, Tennessee, USA

Ashley McCoy, RN
Staff Nurse
Le Bonheur Children’s Hospital
Memphis, Tennessee, USA

Wayne SUTTER, EMT
PACU Staff
Le Bonheur Children’s Hospital
Memphis, Tennessee, USA

Chrisla TIDWELL, DNP, FNP
Urology Nurse Practitioner
Le Bonheur Children’s Hospital
Memphis, Tennessee, USA

Antonios LIOLIOS, MD
Papageorgiou Hospital ICU
Antonios Liliolios Media Group
Thessalonik, Greece
PERFORMANCES

GRAND BALLROOM
SUNDAY, FEBRUARY 5, 2012

7:45 A.M. - 9:30 A.M.
The Codes Band
Stephan A. MAYER, MD, FCCM
Director, Neuro-ICU
Neurological Institute of New York
New York, New York, USA
Michael A. DE GEORGIA, MD, FACP, FAHA, FCCM
Professor of Neurology
Director, Neurocritical Care Center
Cleveland, Ohio, USA
Gary L. BERNARDINI, MD, PhD
Director, Stroke and Neurocritical Care
Albany Medical Center
Albany, New York, USA
David W. CRIPPEN, MD, PhD
Visiting Clinical Assistant Professor
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania, USA
Joseph J. LYNCH, MD
Bagpiper
Winter Haven Hospital
Winter Haven, Florida, USA

MONDAY, FEBRUARY 6, 2012

1:00 P.M. - 1:30 P.M.
Jean-Daniel CHICHE, MD
Service de Reanimation Medicale
Paris, France
Derek C. ANGUS, MD, MPH, FCCM
Saxophonist
University of Pittsburgh
Critical Care Medicine
CRISMA Laboratory
Pittsburgh, Pennsylvania, USA

TUESDAY, FEBRUARY 7, 2012

7:45 A.M. - 8:15 A.M.
Tinni MASKOEN, MD, Tantani SUGIMAN, MD, and Group Angklungs
Indonesian Society of Intensive Care Medicine
Jakarta, Indonesia

1:00 P.M. - 1:30 P.M.
Jose Mario TELES, MD
Hospital Santo Amaro
Salvador, Brazil
Dr. Teles will be performing with Paula Teles Singer

WEDNESDAY, FEBRUARY 8, 2012

7:45 A.M. - 8:15 A.M.
David STEINHORN, MD
French Horn
Professor of Pediatrics
Northwestern University
Chicago, Illinois, USA
Dr. Steinhorn will be performing with members of the Texas Medical Center Orchestra of Houston.

CONVOCATION
MONDAY, FEBRUARY 6, 2012

5:30 P.M. - 6:00 P.M.
Lynn KELSO, ACNP-BC, FAANP, FCCM
Flutist
Assistant Professor
University of Kentucky College of Nursing
Acute Care Nurse Practitioner
Division of Pulmonary, Critical Care and Sleep Medicine
University of Kentucky Medical Center
Lexington, Kentucky, USA
Ms. Kelso will be performing with Laura Smith Harpist

Serena J. FOX, MD
Poet
Clinical Associate Attending, Department of Medicine (Medical ICU)
Beth Israel Medical Center
New York, New York, USA

Susan F. McLEAN, MD
Flutist
SICU Director, UMC of El Paso
Texas Tech University Health Sciences Center at El Paso
El Paso, Texas, USA
Dr. McLean will be performing with a Texas Medical Center Orchestra of Houston guest.

EXHIBIT HALL A3
SUNDAY, FEBRUARY 5, 2012

9:30 A.M. - 10:30 A.M.
Allyson HIDALGO
Guitarist/Violinist
Belize City, Belize

2:45 P.M. - 3:45 P.M.
Larry DELUCA, EdD, MD
Singer
Assistant Professor of Emergency Medicine
University of Arizona
Tucson, Arizona, USA

Donald B. CHALFIN, MD, MS
Guitarist
Brooklyn, New York, USA

MONDAY, FEBRUARY 6, 2012

9:00 A.M. - 10:00 A.M.
Elizabeth DURAN, RN
Belly Dancer
Critical Care Nurse
M.D. Anderson Cancer Center
Houston, Texas, USA

2:15 P.M. - 3:15 P.M.
Arino YAGUCHI, MD, and Group Band
Associate Professor
Tokyo Women’s Medical University
Tokyo, Japan

Robert H. GROVES, Jr, MD
Poet
System Medical Director
Critical Care, Banner Health
Phoenix, Arizona, USA

TUESDAY, FEBRUARY 7, 2012

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

Society of Critical Care Medicine | 41st Critical Care Congress Program
FREE WiFi
AT THE SOCIETY OF CRITICAL CARE MEDICINE’S 41ST CRITICAL CARE CONGRESS!

Complimentary Internet access is available within SCCM Central and on Level 3 of the George R. Brown Convention Center.

How to Access the Network:
Connect using SSID: SCCM
No Password Required

Sponsored by COVIDIEN
Prepare for certification or recertification from the comfort and convenience of your home or office.

*Self-Assessment in Pediatric Multiprofessional Critical Care* helps you identify areas of strength and weakness ahead of the exam, and the Pediatric Multiprofessional Critical Care Board Review Course (MCCBRC) On Demand helps to fill in any knowledge gaps.

**Pediatric MCCBRC On Demand** provides a relaxed learning experience by allowing you to view the educational sessions of the live board review course on your own time and at your own pace. Videos containing both slides and lectures from every session are available in searchable format, making it the next best thing to attending the live event. Downloadable MP3 audio files allow you to learn while you are on the go.

$595 member / $775 nonmember  •  Product Code: PBOARDOD

**Self-Assessment in Pediatric Multiprofessional Critical Care** offers hundreds of multiple-choice study questions designed to help you pass your subspecialty board exam. Questions are based on real-world case studies, and an answer key helps you measure your progress.

$200 member / $260 nonmember  •  Product Code: SAPMCC1

**Self-Assessment in Pediatric Multiprofessional Critical Care—Interactive Edition** consists of a series of online test questions on critical care knowledge, and offers immediate feedback to identify areas of strength and weakness, along with rationales and references for missed questions.

$200 member / $260 nonmember  •  Product Code: SAPMCC1I

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**Get All 3 for the Price of 2**

When you purchase Pediatric MCCBRC On Demand and one of the Self-Assessment products, you’ll get the other Self-Assessment product for free.

$795 member / $1,035 nonmember  •  Product Code: PPREPBUEND

To access these SCCM products, visit [www.sccm.org/store](http://www.sccm.org/store), or contact SCCM Customer Service at +1 847 827-6888.
Current Concepts in Adult Critical Care
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:

▲ Finding a work-life balance
▲ Assessment tools for delirium
▲ Cardiopulmonary resuscitation: what’s in, what’s not
▲ Palliative medicine
▲ Healthcare reform

$75 Member / $95 Nonmember

Current Concepts in Pediatric Critical Care
Look to this edition of Current Concepts in Pediatric Critical Care for the latest information on problems encountered in the pediatric patient. This year, highlights include:

▲ Determination of brain death in children and infants
▲ Delirium in children
▲ Pain and sedation in the pediatric patient
▲ Disaster management

$75 Member / $95 Nonmember

Integrating Nurse Practitioners & Physician Assistants into the ICU
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 optimizing NP and PA staff as integral members of the multiprofessional ICU team. 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 introduce or further expand their use of NPs and PAs into their ICU workforce teams.

$70 Member / $95 Nonmember

Preparing Your ICU for Disaster Response
Disaster strikes – is your ICU prepared? Preparing Your ICU for Disaster Response serves as a step-by-step guide to help ICU professionals assess their current level of disaster preparedness. It provides information to help align your ICU response within an institutional disaster preparedness 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. Presented in an easy-to-follow format, this toolkit provides practical, usable resources for strategizing and implementing a standing plan for disaster preparedness.

$70 Members / $99 Nonmember

Comprehensive Critical Care: Adult
Comprehensive Critical Care: Adult is the most complete critical care textbook for any learner in adult 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
CLINICAL FOCUS

Sepsis-Related Respiratory Failure

Advance your understanding of sepsis-related respiratory failure and learn effective strategies for developing, implementing and executing protocols for managing the condition. Participants will learn how to identify and rapidly apply interventions to promote a significant and sustainable decrease in deaths linked to sepsis-related respiratory failure.

Register for the Society of Critical Care Medicine's (SCCM) latest Clinical Focus conference, Sepsis-Related Respiratory Failure, to be held April 26 and 27, 2012, in Boston, Massachusetts, USA. A multiprofessional team of experts will discuss the new 2012 sepsis guidelines and bundles, and will provide the latest research and information about sepsis-related respiratory failure, covering:

- Pathophysiology of sepsis
- Methods for the diagnosis, treatment and prevention of ventilator-associated pneumonia (VAP)
- Strategies for improving nutrition and oxygen delivery in patients with sepsis
- Ventilator and non-ventilator methods of treating refractory hypoxemia
- Strategies for identifying sepsis early in the clinical course

Register today at www.sccm.org/clinicalfocus or contact SCCM Customer Service at +1 847 827-6888.

APRIL 26-27, 2012
THE FAIRMONT COPLEY PLAZA
BOSTON, MASSACHUSETTS, USA

Society of Critical Care Medicine
The Intensive Care Professionals
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, there are recycling stations 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.

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**An Environmentally Friendly Congress**
The George R. Brown Convention Center and GES Exposition Services both provided SCCM with environmentally friendly products and services that helped reduce the environmental footprint of the 41st Critical Care Congress.

The George R. Brown Convention Center has earned LEED Silver Certification for an Existing Building. Its green initiatives include: a recycling program, sustainable energy usage, compostable food and beverage containers, low-emission lighting, and donations of reusable goods.

GES Exposition Services 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.

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### 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 vinyl registration envelope in the appropriate recycling bins located throughout the George R. Brown 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 George R. Brown Convention Center.
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Membership Marketing Manager
The Rhode Island Hospital is seeking a Director of the Ocean State Clinical Coordinating Center to join the Department of Medicine, Division of Pulmonary, Critical Care & Sleep Medicine or Division of Infectious Diseases.

Candidates must qualify for a full-time medical faculty position at the rank of Assistant or Associate Professor in the Department of Medicine at The Warren Alpert Medical School of Brown University.

Minimum requirements include: BE/BC in internal medicine, strong clinical training or experience in developing and managing multi-center clinical trials in sepsis. Record of academic success in pulmonary & critical care medicine or infectious diseases is highly desirable with research experience focusing on sepsis or a closely related field.

If you are interested in learning more about this opportunity, please come visit the Ocean State Clinical Coordinating Center at Booth 902 at the SCCM 41st Annual Critical Care Congress. We look forward to speaking with you!

SCCM Congress attendees may contact Susan McNamara at anytime during the Congress to schedule an interview.
E-mail: Smcnamara@lifespan.org, Telephone: (401) 323-8184

Applicants are encouraged to visit the Ocean State Clinical Coordinating Center’s website:
www.lifespan.org/rih/services/osccc

Additionally, interested SCCM Congress attendees should send a curriculum vitae to: Mitchell M. Levy, MD, Search Chair, Rhode Island Hospital
593 Eddy Street, Davol 701
Providence, RI 02903

The Rhode Island Hospital is an EEO/AA employer and encourages applications from minorities, and women.

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**SCCM 2012 POSTER SESSION**

*An Observational Study of Cost-Effectiveness Analysis of Flexible Optical Reusable Scopes with and without EndoSheath® Technology: An Effect of Turnover Time on Costs*

Poster Scheduled for Professor Walk Rounds
Monday, February 6, 2012 12:15 pm – 1:15 pm

Visit us at
SCCM 2012
Booth #108
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 in the Level 3 Foyer of the George R. Brown 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 in the Level 3 Foyer of the George R. Brown 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 FedEx Office Print and Ship Center™ is located on Level 2 of the George R. Brown Convention Center, near Starbucks and the Explore Houston Visitors Center Desk. It offers photocopying services, fax services, office supplies, and FedEx drop-off service. The FedEx Office is open during all Congress activities. Major credit cards are accepted for services and purchases.

CE/CME Stations
Congress participants can complete evaluations and CE/CME forms at the CE/CME Stations located in the Foyer near registration on Level 3. Please note: certificates cannot be printed on site, but participants can email the completed certificates to themselves for future printing. Participants also can complete their forms by visiting www.MySCCM.org from their own personal computer and selecting “2012 Congress” under the SCCM Continuing Education module.

Coat and Luggage Check
Coat and luggage check services will be available at the Explore Houston store on Level 2 of the George R. Brown Convention Center from 7:00 a.m. to 5:30 p.m., Friday, February 3 through Monday, February 6, and outside of Room 215 on Level 2 on Tuesday, February 7 and Wednesday, February 8. A fee of $2.00 per checked item will be charged for this service.

Coffee/Dining
Concessions will be open in Exhibit Halls A3 and B3 during exhibit hall hours. Coffee, beverages and specialty food items are located in Level 3 of the George R. Brown Convention Center. The on-site restaurant, Banner Cafe, located on Level 3, also serves coffee and is open for breakfast and lunch from 7:00 a.m. to 2:00 p.m., Sunday through Tuesday.

Coffee/Dining
Two additional dining options are available across the street at Houston’s Discovery Green park. The Grove is the park’s signature restaurant, while The Lake House offers inexpensive alternatives for quick meals. A representative at the Explore Houston Visitors Center Desk, located on Level 2 of the George R. Brown Convention Center, can assist you with reservations, menus, pricing, directions, and other information.

Emergency Procedures
The safety and security of attendees is the first priority of SCCM and the George R. Brown Convention Center. In the event of an emergency, contact an SCCM staff member or dial +1 713 853-8087 from any beige house phone in the George R. Brown Convention Center. This will connect you with in-house security, who will alert paramedics. A paramedic is also available in the First Aid Room 380A, located on Level 3 of the George R. Brown Convention Center.

Exhibit Hall Hours
Exhibit Halls A3 and B3 at the George R. Brown Convention Center are open during the following hours:

- **SUNDAY, FEBRUARY 5**
  - 9:00 A.M. - 3:30 P.M.
- **MONDAY, FEBRUARY 6**
  - 9:00 A.M. - 3:30 P.M.
- **TUESDAY, FEBRUARY 7**
  - 9:00 A.M. - 3:30 P.M.

Interactive Sessions
Selected sessions will utilize an interactive feature. Participants will have the opportunity to use an audience response system to interact during the presentation. Please refer to the schedule of events to identify these select sessions.

Lost and Found
Lost and Found is located in the SCCM Convention Office in Room 216 on Level 2 of the George R. Brown Convention Center.

Message Board
A message board will be located outside the SCCM Convention Office in Room 216.

Mobile Event Guide
The Society’s mobile schedule builder allows you to search for sessions, speakers, business meetings, exhibitors and abstracts from your smart phone, while you navigate the Exhibit Hall and Convention Center through interactive maps. With applications built specifically for the iPhone®, Android™ and BlackBerry®, as well as a web-based version, the mobile schedule builder lets you access the entire Congress program from any location. See page 4 for details.

No Smoking Policy
The George R. Brown Convention Center is a smoke-free environment. Smoking is permitted in designated areas outside the building only.

Parking
The George R. Brown Convention Center and the Hilton Americas-Houston share a connected parking garage. A second garage is located across the street from Hall C beneath Discovery Green. Daily rates apply. Note: there is no overnight or 24-hour parking. SCCM does not validate parking.
### Poster Activities
All posters are displayed in Exhibit Hall A3.

#### SATURDAY, FEBRUARY 4
- 3:00 P.M. - 5:00 P.M. POSTER SETUP
- 9:00 A.M. - 3:45 P.M. POSTERS DISPLAYED
- 12:15 P.M. - 1:15 P.M. PROFESSOR WALK ROUNDS

#### SUNDAY, FEBRUARY 5
- 7:00 A.M. - 9:00 A.M. POSTER SETUP
- 9:00 A.M. - 3:45 P.M. POSTERS DISPLAYED
- 12:15 P.M. - 1:15 P.M. PROFESSOR WALK ROUNDS

#### MONDAY, FEBRUARY 6
- 9:00 A.M. - 3:30 P.M. POSTERS DISPLAYED
- 12:15 P.M. - 1:15 P.M. PROFESSOR WALK ROUNDS

#### TUESDAY, FEBRUARY 7
- 9:00 A.M. - 3:30 P.M. POSTERS DISPLAYED
- 12:00 P.M. - 1:00 P.M. PROFESSOR WALK ROUNDS
- 1:00 P.M. - 3:00 P.M. ABSTRACT-BASED AWARDS CEREMONY (ROOM 361)
- 3:30 P.M. - 6:00 P.M. POSTER RETRIEVAL

Neither SCCM, GES nor the George R. Brown Convention Center is responsible for items left after these times.

### Refreshment Breaks
Complimentary refreshments will be available during the morning and afternoon breaks in Exhibit Hall B3 on Sunday, February 5; Monday, February 6; and Tuesday, February 7. These breaks are excellent opportunities for attendees to visit with the exhibitors while enjoying refreshments. Complimentary refreshments will also be available in the lobby outside the Grand Ballroom on Wednesday, February 8.

### Registration
Registration is located in the Level 3 Foyer of the George R. Brown Convention Center and will be open during the following hours:

| Monday, February 6 | 9:00 A.M. - 5:30 P.M. |
| Monday, February 7 | 9:00 A.M. - 5:30 P.M. |
| Tuesday, February 8 | 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
Complimentary shuttle service will be available between the Hyatt Regency Houston and the George R. Brown Convention Center, Thursday, February 2 through Wednesday, February 8.

### Society Offices/Exhibits
All locations are in the George R. Brown Convention Center.

<table>
<thead>
<tr>
<th>Location</th>
<th>Floor</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSINESS CENTER (FEDEX OFFICE)</td>
<td>LEVEL 2</td>
</tr>
<tr>
<td>COAT AND LUGGAGE CHECK</td>
<td>LEVEL 3</td>
</tr>
<tr>
<td>CONTINUING EDUCATION STATIONS*</td>
<td>LEVEL 3, NEAR REGISTRATION</td>
</tr>
<tr>
<td>CONVENTION OFFICE</td>
<td>ROOM 216</td>
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<tr>
<td>FIRST AID</td>
<td>ROOM 380A</td>
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<tr>
<td>MEETING BAG PICKUP</td>
<td>LEVEL 3, REGISTRATION</td>
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<td>POSTER EXHIBITS</td>
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<td>REGISTRATION</td>
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</tr>
<tr>
<td>SATELLITE BOOKSTORE</td>
<td>LEVEL 3</td>
</tr>
<tr>
<td>SCCM CENTRAL</td>
<td>LEVEL 3, EXHIBIT HALL A3</td>
</tr>
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<td>SPEAKER READY ROOM</td>
<td>ROOM 340</td>
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<td>TECHNICAL EXHIBITS</td>
<td>LEVEL 3, EXHIBIT HALL B3</td>
</tr>
<tr>
<td>WIRELESS INTERNET ACCESS</td>
<td>LEVEL 3, SCCM CENTRAL AND THE SEATING AREA WITHIN EXHIBIT HALL A3</td>
</tr>
</tbody>
</table>

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

### Speaker Ready Room
One hour prior to their sessions, faculty must submit their presentations in Room 340, Level 3 of the George R. Brown Convention Center which will be open during the same hours as registration.

### Special Assistance
An electric scooter is available for use within the George R. Brown Convention Center at no charge. It may be reserved from the SCCM Convention Office, located in Room 216.

### Suggestion Box
Suggestion boxes are available at SCCM Registration, located in the Level 3 Foyer of the George R. Brown Convention Center and at the SCCM Convention Office in Room 216. Please provide any comments, suggestions or other valuable feedback useful for evaluating the 41st Critical Care Congress. Suggestions may be signed or remain anonymous.

### 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 SCCM Central on Level 3 of the George R. Brown Convention Center. Complimentary Wi-Fi access is also available throughout Level 3 including the seating area within Exhibit Hall A3.
You’ve Been Accepted to:

LearnICU transforms the comprehensive clinical resources of the Society of Critical Care Medicine into a virtual campus of clinical knowledge. Divided into 24 distinct topic areas, this convenient portal allows users to quickly discover and access critical resources that enhance patient care.

Collaborative and Collegial
LearnICU combines the flow of clinical information with social tools that allow clinicians to share and collaborate with one another. Each knowledge area is overseen by an expert who facilitates discussion and curates contributions. Participants can also share content with their own social networks via integration with Facebook and Twitter.

Available Instantly
The library never closes and is accessible from a variety of devices. LearnICU’s clinical knowledge base is available 24 hours a day. Because the site can be accessed using a smartphone or tablet, it’s also available wherever you have a connection to the Internet.

Enhanced for Members
SCCM members have access to enhanced content and the complete library of knowledge, including guidelines, archived presentations from SCCM’s live events, select book chapters, and all articles from Critical Care Medicine and Pediatric Critical Care Medicine expertly indexed to the proper knowledge area.

Visit www.LearnICU.org and Log In to See All the Available Resources.
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 (Interpersonal)
B = Clinical Knowledge (Medical knowledge, Patient care)
C = Communications (System-based practice)
D = Multiprofessionalism and Teamwork (System-based practice)
E = Quality Improvement and Patient Safety (Practice-based learning)

### ADMINISTRATION
- Addressing Health Disparities in the ICU (A,E) p. 80
- Clinical Conundrums in the ICU: Is the Cell at Fault? (B,D) P. 59
- Emerging Noninvasive Technologies in the Pediatric ICU (PEDIATRICS) (C,D,E) P. 81
- Genomics in the ICU: Bench to Bedside (B,D) P. 80
- Integrating Nurse Practitioners and Physician Assistants in the ICU (D) P. 67
- Interpreting Human Variability During Acute Illness (B,D) P. 62
- Novel Applications of ICU Telemedicine (B,C,E) P. 75
- Novel Mediators of Inflammation and Injury (B,D) P. 79
- Optimizing Critical Care Delivery (A,C,D) P. 81
- Optimizing Family Visitation in the ICU (A,C,D) P. 72
- Plenary: Healthcare in the 21st Century (Ake Grenvik Honorary Lecture) (D) P. 59
- Recommendations for Pediatric Emergency Mass Critical Care in Disasters (PEDIATRICS) (B,D,E) P. 72
- Staffing in the ICU (A,C,D) P. 70
- The Epigenetics of Critical Illness (B,D) P. 66
- The Pediatric ICU as a Business Model: Is It Financially Viable? (PEDIATRICS) (C,D,E) P. 82

### CARDIOVASCULAR
- A.S. Laerdal Memorial Award Lecture: Lessons from 50 Years of Cardiopulmonary Resuscitation: Go with the Flow (A,B,C,D,E) P. 80
- Acute Coronary Syndrome (B) P. 73
- Acute Pulmonary Hypertension and Right Heart Failure (B) P. 72
- Advances in Managing Acute and Decompensated Chronic Heart Failure (B) P. 61
- Plenary: Cardiac Depression in Septic Shock: Three Decades Defining Mechanisms and Management (B,D) P. 77
- Challenges in Acute Cardiovascular Care (B,D) P. 68
- Establishing a Critical Care Ultrasound Service (B) P. 84
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### GI - NUTRITION
- Clinical Applications of Stress Ulcer Prophylaxis (B) P. 83
- Nutrition: All You Can Eat or Time to Diet? (B) P. 62
- Recent Developments in Nutrition Support and Clinical Applications (B) P. 82
- The End of “Nothing by Mouth” Before and After Surgery (B) P. 80

### HEMATOLOGY AND IMMUNOLOGY
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- Hypercoagulopathy and Hypocoagulopathy (B) P. 83
- Update in Stem Cell Research (B) P. 69

### INFECTIONS DISEASES
- Biomarkers in Decision Making of Antimicrobial Duration (B) P. 78
- Controversies in ICU Infection and Immunity (A,B) P. 82
- Super Bugs (B) P. 84

### NEUROSCIENCE
- Controversies in the Pediatric Neurological ICU (PEDIATRICS) (B,C,D,E) P. 78
- Management of Status Epilepticus (B,D) P. 84
- Neurotrauma (B) P. 75
- Plenary: Vascular Protection After Acute Ischemic Stroke: Progress in Translation (William Shoemaker Honorary Lecture) (B) P. 74
- Sleep Issues in the Intensive Care Unit (B,C,D) P. 78
- Stroke Centers: Role in Acute Neurological Care (B) P. 72
- Therapeutic Temperature Management (B,D) P. 84

### ENDOCRINE AND RENAL
- Critical Illness Endocrinopathy: Friend or Foe? (B) P. 82
- Failures in Glycemic Control (B) P. 73
- Sodium Challenges in the Critical Care Patient (B) P. 66
- Who Needs Renal Support? (B) P. 76

### ETHICS - END-OF-LIFE
- Futility in End-of-Life Decision Making (A,B,C,D) P. 60
- Intensivist-Led Donor Management to Optimize Organ Function and Recovery (A,B,C,D) P. 75
- When the Patient Lacks Capacity (A,B,C,D) P. 70

At the conclusion of the 41st 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
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 (Interpersonal)
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D = Multiprofessionalism and Teamwork (System-based practice)
E = Quality Improvement and Patient Safety (Practice-based learning)

**PEDIATRICS**
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- Controversies in the Pediatric Neurological ICU (B,C,D,E) P. 78
- Emerging Noninvasive Technologies in the Pediatric ICU (B,C,D,E) P. 81
- Pediatric Sepsis in 2012 (A,B) P. 84
- Recommendations for Pediatric Emergency Mass Critical Care in Disasters (B,D,E) P. 72
- Support Issues for the Pediatric Patient with Acute Lung Injury (B) P. 67
- The Pediatric ICU as a Business Model: Is It Financially Viable? (C,D,E) P. 82
- Year in Review: Pediatrics (B) P. 70

**PHARMACOLOGY AND SEDATION**
- Clinical Management of Pain, Agitation and Delirium (B,D,E) P. 61
- Customizing Patient Medications to Prevent Adverse Drug Events (B) P. 81
- Dosing Considerations in the Critically Ill (B,D) P. 61
- Impact of Drug Shortages on Patient Care (B,D) P. 73
- Rethinking Toxic Substances and Treatments (B,D) P. 68
- Sedation and Delirium in the ICU (B,D) P. 66

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- Fellowship Directors’ Luncheon: Teaching and Implementing Quality Improvement in the ICU P. 69
- Interactive Case Discussions with the Experts: Vincent, Singer, and You (B) P. 74
- Joint Session SCCM/ESICM (B) P. 79
- Late Breaker (B) P. 80
- Orientation Models for Advance Practice Nurses (B,C,D,E) P. 80
- The Critical Care Societies Collaborative: SCCM, ATS, ACCP, AACN (B,C,D,E) P. 68
- United States Critical Illness and Injury Trials (B) P. 81
- Year in Review: Anesthesia: Do Algorithms Make a Difference? (B) P. 73
- Year in Review: Internal Medicine (B) P. 81
- Year in Review: Nursing (B) P. 78
- Year in Review: Pediatrics (B) P. 70
- Year in Review: Pharmacy (B) P. 71
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- Managing the Wonderful World of Guidelines (C,D,E) P. 78
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- Ongoing Sepsis Controversies (A,B,D) P. 76
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- Plenary: Surviving Sepsis: The Road Less Travelled? (Max Harry Weil Honorary Lecture) (A, B,D) P. 82
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- Imitators of Acute Respiratory Distress Syndrome (B) P. 75
- Outcomes Associated with Early Physical Activity in Patients with Respiratory Failure (A,B,E) P. 71
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- Plenary: Human Tolerance of Hypoxemia Reborn (Peter Safar Honorary Lecture) (B) P. 68
- Rescue Therapies for Severe Acute Respiratory Distress Syndrome (B) P. 68
- Support Issues for the Pediatric Patient with Acute Lung Injury (PEDIATRICS) (B) P. 67
Learning Objectives

At the conclusion of the 41st Critical Care Congress, participants should be able to:
▲ Recognize recent advances in drug design and development and the relevance to critical illness
▲ Apply current and cutting-edge information regarding specific therapeutic interventions for the critically ill or injured patient
▲ Review, in the context of the intensivist-led, multiprofessional care team, new knowledge and strategies to optimize the care and outcomes of the critical care patient

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

OBTAINING CREDIT
To obtain your credit, please visit www.sccm.org/2012Congress. Once you have completed the online application and evaluation, you will be able to download and email yourself a copy of the certificate to print at any time. Computer stations are available on Level 3, near Registration. If you have questions, please email congress@sccm.org or call +1 847 827-6869.

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>23</td>
</tr>
<tr>
<td>Current Concepts in Adult Critical Care Course</td>
<td>15</td>
</tr>
<tr>
<td>Current Concepts in Pediatric Critical Care Course</td>
<td>15</td>
</tr>
<tr>
<td>Fundamental Disaster Management</td>
<td>9</td>
</tr>
<tr>
<td>Fundamental Critical Care Support Instructor Course</td>
<td>8.25</td>
</tr>
<tr>
<td>Pediatric Fundamental Critical Care Support Course</td>
<td>15</td>
</tr>
<tr>
<td>Postgraduate Courses</td>
<td>up to 7.5</td>
</tr>
</tbody>
</table>

Physicians
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>Hours</th>
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<tbody>
<tr>
<td>Overall Congress (Concurrent Sessions)</td>
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</tr>
<tr>
<td>Fundamental Disaster Management</td>
<td>9</td>
</tr>
<tr>
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</tr>
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<td>15</td>
</tr>
<tr>
<td>Postgraduate Courses</td>
<td>up to 7.5</td>
</tr>
</tbody>
</table>

Respiratory Therapists
The American Association for Respiratory Care (AARC) has approved this educational activity for a maximum number of hours, as listed below:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
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<td>Current Concepts in Adult Critical Care Course</td>
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<tr>
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<td>9</td>
</tr>
<tr>
<td>Fundamental Critical Care Support Instructor Course</td>
<td>8.25</td>
</tr>
<tr>
<td>Pediatric Fundamental Critical Care Support Course</td>
<td>8.25</td>
</tr>
<tr>
<td>Postgraduate Courses</td>
<td>up to 7.5</td>
</tr>
</tbody>
</table>
The Society of Critical Care Medicine is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. Pharmacists need to complete an online Congress verification form and identify all sessions that they attended. Upon completing the online verification/evaluation, a statement of credit can be printed by each pharmacist. The 41st Critical Care Congress will provide the following contact hours of continuing education:

<table>
<thead>
<tr>
<th>ACPE Number Session</th>
<th>Title</th>
<th>Contact Hours</th>
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<tr>
<td>0236-0000-12-01-L04-P</td>
<td>Current Concepts in Adult Critical Care</td>
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<tr>
<td>0236-0000-12-02-L04-P</td>
<td>Current Concepts in Pediatric Critical Care</td>
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<td>0236-0000-12-03-L04-P</td>
<td>Pediatric Fundamental Critical Care Support</td>
<td>14</td>
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<tr>
<td>0236-0000-12-04-L04-P</td>
<td>Fundamental Disaster Management</td>
<td>7</td>
</tr>
<tr>
<td>0236-0000-12-05-L04-P</td>
<td>So You Got a Simulator: What Do You Do Now?</td>
<td>8</td>
</tr>
<tr>
<td>0236-0000-12-06-L01-P</td>
<td>A Case-Based Approach to Pharmacological Conundrums</td>
<td>3.75</td>
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<tr>
<td>0236-0000-12-07-L04-P</td>
<td>Neurological Care of the Critically Ill Patient</td>
<td>8</td>
</tr>
<tr>
<td>0236-0000-12-08-L04-P</td>
<td>Fundamental Critical Care Support Instructor Course</td>
<td>8</td>
</tr>
<tr>
<td>0236-0000-12-10-L04-P</td>
<td>Healthcare in the 21st Century (Plenary Session)</td>
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<tr>
<td>0236-0000-12-11-L04-P</td>
<td>Clinical Conundrums in the ICU Is the Cell at Fault?</td>
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<tr>
<td>0236-0000-12-12-L04-P</td>
<td>The End of &quot;Nothing by Mouth&quot; Before and After Surgery</td>
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<tr>
<td>0236-0000-12-13-L04-P</td>
<td>Measuring Outcomes: Benchmarking and Comparisons</td>
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<tr>
<td>0236-0000-12-14-L01-P</td>
<td>Dosing Considerations in the Critically Ill</td>
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<tr>
<td>0236-0000-12-15-L04-P</td>
<td>Advances in Managing Acute and Decompensated Chronic Heart Failure</td>
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<tr>
<td>0236-0000-12-16-L04-P</td>
<td>Controversies in Pediatric Critical Care</td>
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<td>0236-0000-12-17-L04-P</td>
<td>Interpreting Human Variability During Acute Illness</td>
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<td>0236-0000-12-18-L04-P</td>
<td>Nutrition: All You Can Eat or Time to Diet?</td>
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<td>0236-0000-12-19-L04-P</td>
<td>Futility in End-of-Life Decision Making</td>
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<td>0236-0000-12-20-L01-P</td>
<td>Clinical Management of Pain, Agitation and Delirium</td>
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<td>0236-0000-12-21-L04-P</td>
<td>Challenges in Caring for the Immunosuppressed Patient</td>
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<td>0236-0000-12-22-L05-P</td>
<td>From Patient Safety to Population Outcomes (Plenary Session)</td>
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<td>0236-0000-12-23-L04-P</td>
<td>Oral Abstract Sessions</td>
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<td>0236-0000-12-24-L01-P</td>
<td>Sedation and Delirium in the ICU</td>
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<td>0236-0000-12-25-L04-P</td>
<td>Human Tolerance of Hypoxemia Reborn (Plenary Session)</td>
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<td>0236-0000-12-26-L04-P</td>
<td>The Epigenetics of Critical Illness</td>
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<tr>
<td>0236-0000-12-27-L01-P</td>
<td>Infectious Complications in Trauma Patients</td>
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<td>0236-0000-12-28-L04-P</td>
<td>Update in Stem Cell Research</td>
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<tr>
<td>0236-0000-12-29-L04-P</td>
<td>Reconstructing Pre-Hospital Trauma Care</td>
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<td>0236-0000-12-30-L04-P</td>
<td>Less Than Zero: Pursuing Perfection in the ICU</td>
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<td>0236-0000-12-31-L01-P</td>
<td>Rethinking Toxic Substances and Treatments</td>
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<tr>
<td>0236-0000-12-32-L01-P</td>
<td>Challenges in Acute Cardiovascular Care</td>
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<td>0236-0000-12-33-L04-P</td>
<td>Support Issues for the Pediatric Patient with Acute Lung Injury</td>
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<td>0236-0000-12-34-L04-P</td>
<td>Biomarkers in Acute Lung Injury: Are We Still on a Quest for the Holy Grail? (Plenary Session)</td>
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<tr>
<td>0236-0000-12-35-L04-P</td>
<td>When the Patient Lacks Capacity</td>
<td>1</td>
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<tr>
<td>0236-0000-12-36-L04-P</td>
<td>Staffing in the ICU</td>
<td>1</td>
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<tr>
<td>0236-0000-12-37-L04-P</td>
<td>Year in Review: Pharmacy</td>
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<tr>
<td>0236-0000-12-38-L04-P</td>
<td>Year in Review: Anesthesia: Do Algorithms Make a Difference?</td>
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<tr>
<td>0236-0000-12-39-L01-P</td>
<td>Update on Sepsis Clinical Trials</td>
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<tr>
<td>0236-0000-12-40-L05-P</td>
<td>Early Warning Systems to Improve Patient Safety</td>
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</tr>
<tr>
<td>0236-0000-12-41-L01-P</td>
<td>Acute Pulmonary Hypertension and Right Heart Failure</td>
<td>1</td>
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<tr>
<td>0236-0000-12-42-L04-P</td>
<td>Stroke Centers: Role in Acute Neurological Care</td>
<td>1</td>
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<td>0236-0000-12-43-L04-P</td>
<td>Optimizing Family Visitaton in the ICU</td>
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<tr>
<td>0236-0000-12-44-L04-P</td>
<td>Recommendations for Pediatric Emergency Mass Critical Care in Disasters</td>
<td>1</td>
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<tr>
<td>0236-0000-12-45-L04-P</td>
<td>Damage Control Resuscitation</td>
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<tr>
<td>0236-0000-12-46-L01-P</td>
<td>Update on Surviving Sepsis Campaign Guidelines</td>
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<tr>
<td>0236-0000-12-47-L04-P</td>
<td>Impact of Drug Shortages on Patient Care</td>
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<tr>
<td>0236-0000-12-48-L01-P</td>
<td>Failures in Glycemic Control</td>
<td>1</td>
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<tr>
<td>0236-0000-12-49-L01-P</td>
<td>Acute Coronary Syndrome</td>
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<tr>
<td>0236-0000-12-50-L04-P</td>
<td>Vascular Protection After Acute Ischemic Stroke: Progress in Translation (Plenary Session)</td>
<td>0.75</td>
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<tr>
<td>0236-0000-12-51-L04-P</td>
<td>Imitators of Acute Respiratory Distress Syndrome</td>
<td>2</td>
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<tr>
<td>0236-0000-12-52-L04-P</td>
<td>Novel Applications of ICU Telemedicine</td>
<td>2</td>
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<tr>
<td>0236-0000-12-53-L04-P</td>
<td>Intensivist-Led Donor Management to Optimize Organ Function and Recovery</td>
<td>2</td>
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<tr>
<td>0236-0000-12-54-L04-P</td>
<td>Neurotrauma</td>
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</tbody>
</table>
### ACPE Number Session | Title | Contact Hours
--- | --- | ---
0236-0000-12-55-L01-P | Who Needs Renal Support? | 2
0236-0000-12-56-L04-P | Managing the Wonderful World of Guidelines | 2
0236-0000-12-57-L01-P | Ongoing Sepsis Controversies | 2
0236-0000-12-58-L01-P | Cardiac Depression in Septic Shock: Three Decades Defining Mechanisms and Management (Plenary Session) | 0.75
0236-0000-12-60-L04-P | Sleep Issues in the ICU | 1
0236-0000-12-61-L01-P | Controversies in the Pediatric Neurological ICU | 1
0236-0000-12-62-L04-P | Genomics in the ICU: Bench to Bedside | 1
0236-0000-12-63-L01-P | On the Cutting Edge of Sepsis Research | 1
0236-0000-12-64-L05-P | Learning from Our Mistakes: Establishing a Safety Culture in the ICU | 1
0236-0000-12-65-L04-P | Addressing Health Disparities in the ICU | 1
0236-0000-12-66-L04-P | Novel Mediators of Inflammation and Injury | 1
0236-0000-12-67-L04-P | Biomarkers in Decision Making for Antimicrobial Duration | 1
0236-0000-12-68-L05-P | Customizing Patient Medication to Prevent Adverse Drug Events | 1
0236-0000-12-69-L05-P | Optimizing Critical Care Delivery | 1
0236-0000-12-70-L04-P | United States Critical Illness and Injury Trials | 1
0236-0000-12-71-L04-P | Emerging Noninvasive Technologies in the Pediatric ICU | 1
0236-0000-12-72-L01-P | Surviving Sepsis: The Road Less Traveled? (Plenary Session) | 0.75
0236-0000-12-73-L01-P | Controversies in ICU Infection and Immunity | 1
0236-0000-12-74-L01-P | Recent Developments in Nutrition Support and Clinical Applications | 2
0236-0000-12-75-L04-P | Clinical Applications of the Stress Ulcer Guidelines | 2
0236-0000-12-76-L04-P | Hypercoagulopathy and Hypocoagulopathy | 2
0236-0000-12-77-L04-P | Therapeutic Temperature Management | 2
0236-0000-12-78-L01-P | Management of Status Epileptics | 1
0236-0000-12-79-L01-P | SCCM, ATS, ACCP, AACN: Coming Together to Optimize Organ Donation in the ICU | 2
0236-0000-12-80-L04-P | Critical Illness Endocrinopathy: Friend or Foe? | 1
0236-0000-12-81-L04-P | Pediatric Sepsis in 2012 | 1
0236-0000-12-82-L04-P | Super Bugs | 1
0236-0000-12-83-L04 | Interactive Case Discussions with the Experts | 2
0236-0000-12-84-L01 | Fellowship Directors’ Luncheon: Teaching and Implementing Quality Improvement in the ICU | 1.25
0236-0000-12-85-L01 | Joint Session SCCM/ESICM | 1
0236-0000-12-86-L01 | Late Breaker | 1

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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. The SCCM’s comprehensive policies provide the foundation for the administration, content, and quality of all educational activities, which includes: 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. Support or collaboration that is given by non-profit organizations 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 the SCCM must use a 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/non-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 the 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.
### Disclosures

The content of this activity has been peer reviewed and has been approved for compliance. The faculty and contributors have indicated the following financial relationships, which have been resolved through an established COI resolution process, and have stated that these reported relationships will not have any impact on their ability to provide unbiased content.

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The activity planner, Adair Andrews, RN, MATD, and other employees of SCCM have no financial relationships to disclose.
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FRIDAY, FEBRUARY 3, 2012

8:00 A.M. - 4:30 P.M.

• HELD AT M.D. ANDERSON TRAINING CENTER
• PRE-CONGRESS EDUCATIONAL SESSION

Pediatric Fundamental Critical Care Support - Day 1

(See page 56 for Day 2)

Moderator: Maureen A. MADDEN

LEARNING OBJECTIVES:
• Prioritize assessment needs for the critically ill or injured infant and child
• Select appropriate diagnostic tests
• Identify and respond to significant changes in the unstable pediatric patient
• Recognize and initiate management of acute, life-threatening conditions
• Determine the need for expert consultation and/or patient transfer and prepare the practitioner for optimally accomplishing transfer

8:00 a.m. - 8:15 a.m.
> Introduction

8:15 a.m. - 9:00 a.m.
> Diagnosis and Management of Respiratory Failure
Gregory H. BOTZ

9:00 a.m. - 10:15 a.m.
> Skill Station I (Part I) - Groups A and C - Respiratory Evaluation and Management
Maureen A. MADDEN, Rodrigo MEJIA, Michele C. PAPO,
Edward E. CONWAY Jr.

9:00 a.m. - 10:15 a.m.
> Skill Station I (Part I) - Groups B and D - Ventilation I
Gregory H. BOTZ, Michael O. GAYLE, Mohan R.
MY SORE, Kevin M. ROY

10:15 a.m. - 11:15 a.m.
> Break

11:15 a.m. - 11:30 a.m.
> Recap of Day 1 Key Points
Maureen A. MADDEN

Pediatric Fundamental Critical Care Support, Continued

10:30 a.m. - 11:45 a.m.
> Skill Station I (Part 2) - Groups A and C - Ventilation I
Gregory H. BOTZ, Michael O. GAYLE, Mohan R.
MY SORE, Kevin M. ROY

10:30 a.m. - 11:45 a.m.
> Skill Station I (Part 2) - Groups B and D - Respiratory Evaluation and Management
Maureen A. MADDEN, Rodrigo MEJIA, Michele C. PAPO,
Edward E. CONWAY Jr.

11:45 a.m. - 12:30 p.m.
> Cardiovascular Evaluation and Management of Shock
Mohan R. MY SORE

12:30 p.m. - 1:15 p.m.
> Lunch

1:15 p.m. - 2:15 p.m.
> Skill Station II (Part 1) - Groups A and C - Ventilation II
Gregory H. BOTZ, Kevin M. ROY, Michael O. GAYLE, Mohan R. MY SORE

1:15 p.m. - 2:15 p.m.
> Skill Station II (Part 1) - Groups B and D - Cardiovascular Evaluation and Management of Shock
Rodrigo MEJIA, Maureen A. MADDEN, Michele C. PAPO,
Karl L. SERRAO

2:15 p.m. - 3:15 p.m.
> Skill Station II (Part 2) - Groups B and D - Ventilation II
Gregory H. BOTZ, Kevin M. ROY, Michael O. GAYLE, Mohan R. MY SORE

2:15 p.m. - 3:15 p.m.
> Skill Station II (Part 2) - Groups A and C - Cardiovascular Evaluation and Management of Shock
Rodrigo MEJIA, Maureen A. MADDEN, Michele C. PAPO,
Karl L. SERRAO

3:15 p.m. - 3:30 p.m.
> Break

3:30 p.m. - 4:15 p.m.
> Fluids and Electrolytes
Rodrigo MEJIA

4:15 p.m. - 4:30 p.m.
> Recap of Day 1 Key Points
Maureen A. MADDEN
All sessions will be held at George R. Brown Convention Center unless otherwise noted.

### Schedule of Events

**FRIDAY, FEBRUARY 3**

**8:00 A.M. - 5:00 P.M. ROOM 332**

- **PRE-CONGRESS EDUCATIONAL SESSION**

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

  **Moderators:** Eugene Y. CHENG, Pauline K. PARK

  **LEARNING OBJECTIVE:**
  - Review diagnostic and treatment options in the management of critical illness

- 8:00 a.m. - 8:45 a.m.
  - Work-Life Balance for the ICU Provider
    - Azra BIHORAC

- 8:45 a.m. - 9:30 a.m.
  - Extracorporeal Membrane Oxygenation
    - Pauline K. PARK

- 9:30 a.m. - 10:15 a.m.
  - Assessment Tools for Delirium
    - Margaret PISANI

- 10:15 a.m. - 10:30 a.m.
  - Break

- 10:30 a.m. - 11:15 a.m.
  - Antibiotic De-Escalation
    - Anand KUMAR

- 11:15 a.m. - 12:00 p.m.
  - Healthcare Reform Update
    - Lewis L. LOW

- 12:00 p.m. - 1:00 p.m.
  - Lunch - Exhibit Hall A3

- 1:00 p.m. - 1:45 p.m.
  - ICU Physician Extenders
    - Geoffrey H. LATHAM

- 1:45 p.m. - 2:30 p.m.
  - Early Mobility
    - Polly BAILEY, Terry P. CLEMMER

- 2:30 p.m. - 3:15 p.m.
  - Acute Kidney Injury: Pathogenesis and Prevention
    - John A. KELLUM

- 3:15 p.m. - 3:30 p.m.
  - Break

- 3:30 p.m. - 4:15 p.m.
  - Assessing Intravascular Volume and Fluid Replacement Strategies
    - Michael H. WALL

- 4:15 p.m. - 5:00 p.m.
  - Alternative Medicine
    - Lisa MARCUCCI

**8:00 A.M. - 5:00 P.M. ROOM 342**

- **PRE-CONGRESS EDUCATIONAL SESSION**

  **Current Concepts in Pediatric Critical Care - Day 1** *(See page 57 for Day 2)*

  **Moderators:** Thomas A. NAKAGAWA, Brian R. JACOBS

  **LEARNING OBJECTIVES:**
  - Evaluate disease processes and an effective goal-directed approach to critical care management
  - Discuss clinical areas of controversy through an evidence-based decision making process

- 8:00 a.m. - 8:45 a.m.
  - Adult Congenital Heart Disease
    - Scott R. SCHULMAN

- 8:45 a.m. - 9:30 a.m.
  - Cardiac Assist Devices
    - Parthak PRODHAN

- 9:30 a.m. - 10:15 a.m.
  - Advanced Hemodynamic Monitoring
    - Adnan T. BHUTTA

- 10:15 a.m. - 10:30 a.m.
  - Break

- 10:30 a.m. - 11:15 a.m.
  - Patient-Ventilator Synchrony and New Modes of Ventilation
    - Ira M. CHEIFETZ

- 11:15 a.m. - 12:00 p.m.
  - Technologically Dependant Children
    - Stephanie A. STORGION

- 12:00 p.m. - 1:00 p.m.
  - Lunch - Exhibit Hall A3

- 1:00 p.m. - 1:45 p.m.
  - Deriving Value in the ICU with Health Information Technology
    - Brian R. JACOBS

- 1:45 p.m. - 2:30 p.m.
  - A Quality and Safety Toolbox for the Pediatric ICU
    - Marty B. SCOTT

- 2:30 p.m. - 3:15 p.m.
  - Abdominal Compartment Syndrome
    - Mudit MATHUR

- 3:15 p.m. - 3:30 p.m.
  - Break

- 3:30 p.m. - 4:15 p.m.
  - Fluid Overload in Children
    - James D. FORTENBERRY

- 4:15 p.m. - 5:00 p.m.
  - Traumatic Brain Injury Roundtable Discussion
    - Brian R. JACOBS - Moderator, Stephanie A. STORGION, Michael T. MEYER
Fundamental Disaster Management

Moderator: Randy S. WAX

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

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

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
  Lewis A. RUBINSON

9:15 a.m. - 9:45 a.m.
> Mass Casualty Burn Care and Critical Care Management of Conventional Explosions
  Babak SARANI

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 ➔
A Case-Based Approach to Pharmacological Conundrums

Moderators: Scott MICEK, William E. DAGER

Learning Objectives:
- Select approaches to the management of unresponsive hypotension, discomfort, delirium, refractory hemorrhage, nutrition support, uncontrolled intracranial pressure (ICP), subarachnoid hemorrhage (SAH) associated vasospasm, suspected heparin-induced thrombocytopenia (HIT), and antimicrobial failure.
- Evaluate the data on therapies of choice for the above-mentioned therapeutic dilemmas.
- Apply the appropriate therapy to patient care for these controversial situations.

8:00 a.m. - 9:00 a.m.
> Systemic Inflammatory Response: The MAP Isn’t at Goal and Oxygenation Is Worsening with Fluids
  Scott MICEK

9:00 a.m. - 9:20 a.m.
> Unresponsive Intracranial Pressure: What to Try?
  Gretchen M. BROPHY

9:20 a.m. - 9:40 a.m.
> Inoperable Hemorrhage: Maximizing Therapies Beyond Blood Products
  William E. DAGER

9:40 a.m. - 10:50 a.m.
> Questions and Answers

10:00 a.m. - 10:20 a.m.
> Antimicrobial Failure: What’s the Appropriate Response?
  Scott MICEK

10:20 a.m. - 10:40 a.m.
> Confusion Assessment Method Positive: How to Treat?
  Ishaq LAT

10:40 a.m. - 11:00 a.m.
> Acute Respiratory Distress Syndrome: Is There a Role for Specialized Nutrition Support?
  Jane M. GERVASIO

11:00 a.m. - 11:20 a.m.
> Subarachnoid Hemorrhage and Vasospasm: Best Management Practices
  Gretchen M. BROPHY

Continued ➪
8:00 A.M. - 5:00 P.M.  ROOM 351
- PRE-Congress Educational Session

So You Got a Simulator: What Do You Do Now?
Moderator: Geoffrey LIGHTHALL, Samuel A. TISHERMAN

Learning Objectives
- Describe how to organize a simulation program
- Design appropriate goals and objectives for simulation training
- Design patient care scenarios within a small group
- Practice debriefing skills
- Discuss how to train the trainers

8:00 a.m. - 8:30 a.m.
> Philosophy of Simulation
  Michael A. DeVITA

8:30 a.m. - 9:15 a.m.
> Common Training Activities Accomplished with Simulation
  Geoffrey LIGHTHALL

9:15 a.m. - 10:00 a.m.
> Logistics of Starting a Center Program
  Elizabeth H. SINZ, Michael A. DeVITA

10:00 a.m. - 10:15 a.m.
> Break

10:15 a.m. - 11:00 a.m.
> Scenario Development
  Geoffrey LIGHTHALL, Elizabeth H. SINZ

11:00 a.m. - 12:00 p.m.
> Small Groups Develop Scenarios
  Michael A. DeVITA, Samuel A. TISHERMAN, Geoffrey LIGHTHALL, Elizabeth H. SINZ, Ruth FANNING, Ludwig H. LIN

12:00 p.m. - 1:00 p.m.
> Lunch - Exhibit Hall A3

1:00 p.m. - 1:45 p.m.
> Small Groups Develop Scenarios
  Samuel A. TISHERMAN, Geoffrey LIGHTHALL, Elizabeth H. SINZ, Ruth FANNING, Ludwig H. LIN, Michael A. DeVITA

1:45 p.m. - 2:30 p.m.
> What Follows the Simulation?
  Ruth FANNING, Ludwig H. LIN, Michael A. DeVITA

2:30 p.m. - 3:15 p.m.
> Debriefing
  Ruth FANNING

3:15 p.m. - 3:30 p.m.
> Break

3:30 p.m. - 4:15 p.m.
> Debrief Your Own Scenarios
  Michael A. DeVITA, Samuel A. TISHERMAN, Geoffrey LIGHTHALL, Elizabeth H. SINZ, Ruth FANNING, Ludwig H. LIN

4:15 p.m. - 5:00 p.m.
> Wrap-Up and Further Thoughts on Your Training and Development
  Michael A. DeVITA, Samuel A. TISHERMAN, Geoffrey LIGHTHALL, Elizabeth H. SINZ, Ruth FANNING, Ludwig H. LIN

8:00 A.M. - 5:00 P.M.  ROOM 362
- PRE-Congress Educational Session

Neurological Care of the Critically Ill Patient
Moderators: Jose Javier PROVENCIO, Cherylee W. CHANG

Learning Objectives
- Identify neurological syndromes in critically ill patients
- Review special aspects of managing neurological catastrophes
- Identify and manage neurological complications of systemic critical illness

8:00 a.m. - 8:05 a.m.
> Introduction

8:05 a.m. - 8:45 a.m.
> Altered Mental Status
  Fred RINCON

8:45 a.m. - 9:20 a.m.
> Ventilation in Neurologic Patients
  Jose Javier PROVENCIO

9:20 a.m. - 10:00 a.m.
> Sedation of the Neurologically Injured Patient
  Michael J. SOUTER

10:00 a.m. - 10:15 a.m.
> Break

10:15 a.m. - 10:55 a.m.
> Neuromonitoring: Indications and Management
  Soojin PARK

10:55 a.m. - 11:45 a.m.
> The Changing Face of Prognostication
  David M. GREER

11:45 a.m. - 1:00 p.m.
> Lunch - Exhibit Hall A3

1:00 p.m. - 1:40 p.m.
> Disease States: Acute Stroke
  Wade S. SMITH

1:40 p.m. - 2:20 p.m.
> Disease States: Subarachnoid Hemorrhage and Intracranial Hemorrhage
  Neeraj BADJATIA

2:20 p.m. - 3:00 p.m.
> Disease States: Status Epilepticus
  Jan CLAASSEN

3:00 p.m. - 3:15 p.m.
> Break

3:15 p.m. - 4:05 p.m.
> Trauma
  Lori A. SHUTTER

4:05 p.m. - 4:55 p.m.
> Disease States: Metabolic Mimics
  Cherylee W. CHANG

4:55 p.m. - 5:00 p.m.
> Wrap-Up
Approaches to Refractory Hypoxemia: Ventilation and Adjunct Techniques

Moderators: Aaron M. JOFFE, Richard D. BRANSON

LEARNING OBJECTIVES
- Describe the role of positive end-expiratory pressure (PEEP) and recruitment in the treatment of refractory hypoxemia
- Describe the role of alternative modes of mechanical ventilation in the treatment of refractory hypoxemia
- Describe the role of non-ventilatory strategies (prone position and inhaled vasodilators) in the treatment of refractory hypoxemia

8:00 a.m. - 8:05 a.m.
> Welcome and Introduction

8:05 a.m. - 8:35 a.m.
> Acute Respiratory Distress Syndrome and Refractory Hypoxemia: The Legacy of H1N1
Lewis A. RUBINSON

8:35 a.m. - 9:05 a.m.
> PEEP and Alveolar Recruitment
John J. MARINI

9:05 a.m. - 9:35 a.m.
> High-Frequency Ventilation
Niall Douglas FERGUSON

9:35 a.m. - 10:00 a.m.
> Break

10:00 a.m. - 10:30 a.m.
> Esophageal Manometry to Guide Ventilatory Support
Daniel S. TALMOR

10:30 a.m. - 11:00 a.m.
> Airway Pressure Release Ventilation
Aaron M. JOFFE

11:00 a.m. - 11:30 a.m.
> Mechanical Ventilation of the Pediatric Patient
Ira M. CHEIFETZ

11:30 a.m. - 12:00 p.m.
> Non-Ventilation Strategies: Prone Position and Inhaled Vasodilators (Nitric Oxide and Prostacycline)
Steven A. DEEM

12:00 p.m. - 1:00 p.m.
> Lunch - Exhibit Hall A3

1:00 p.m. - 1:30 p.m.
> Extracorporeal Support: ECCO2R to Extracorporeal Membrane Oxygenation
Lena M. NAPOLITANO

1:30 p.m. - 2:00 p.m.
> Questions and Answers

Pediatric Fundamental Critical Care Support - Day 2

(See page 51 for Day 1)

Moderator: Maureen A. MADDEN

LEARNING OBJECTIVES
- Prioritize assessment needs for the critically ill or injured infant and child
- Select appropriate diagnostic tests
- Identify and respond to significant changes in the unstable pediatric patient
- Recognize and initiate management of acute, life-threatening conditions
- Determine the need for expert consultation and/or patient transfer and prepare the practitioner for optimally accomplishing transfer

8:00 a.m. - 8:45 a.m.
> Neurologic Emergencies
Edward E. CONWAY Jr.

8:45 a.m. - 9:30 a.m.
> Sedation, Analgesia and Pharmacologic Management
Michele C. PAPO

9:30 a.m. - 10:00 a.m.
> Postoperative Care
Karl L. SERRAO

10:00 a.m. - 10:15 a.m.
> Break

10:15 a.m. - 11:00 a.m.
> Transport of the Critically Ill Child
Maureen A. MADDEN

11:00 a.m. - 12:00 p.m.
> Skill Station III (Part 1) - Groups A and C - Sedation, Neuromuscular Blockade, and Perioperative Management
Michele C. PAPO, Karl L. SERRAO, Edward E. CONWAY Jr., Mohan R. MYSORE

11:00 a.m. - 12:00 p.m.
> Skill Station III (Part 1) Groups B and D - Transport of the Critically Ill Child
Maureen A. MADDEN, Kevin M. ROY, Michael O. GAYLE, Rodrigo MEJIA

12:00 p.m. - 1:00 p.m.
> Lunch

Continued ➔
Pediatric Fundamental Critical Care Support, Continued

1:00 p.m. - 2:00 p.m.
> Skill Station III (Part 2) - Groups B and D: Sedation, Neuromuscular Blockade, and Perioperative Management
  Michele C. PAPO, Karl L. SERRAO, Edward E. CONWAY Jr., Mohan R. MYSORE

1:00 p.m. - 2:00 p.m.
> Skill Station III (Part 2) - Groups A and C: Transport of the Critically Ill Child
  Maureen A. MADDEN, Kevin M. ROY, Michael O. GAYLE, Rodrigo MEJIA

2:00 p.m. - 2:30 p.m.
> Instructor Curriculum
  Maureen A. MADDEN

2:30 p.m. - 3:30 p.m.
> Skill Station IV - Groups A, B, C, D: Invasive Device Evaluation and Potential Complications
  Maureen A. MADDEN, Rodrigo MEJIA, Michael O. GAYLE, Mohan R. MYSORE

3:30 p.m. - 3:45 p.m.
> Break

3:45 p.m. - 4:00 p.m.
> Recap and Summary of Pertinent Points
4:00 p.m. - 5:00 p.m.
> Post-Test and Course Evaluation

Current Concepts in Pediatric Critical Care - Day 2

8:00 A.M. - 5:30 P.M.
ROOM 342

- PRE-CONGRESS EDUCATIONAL SESSION

- Additional charge to attend
- Ticketed session

Current Concepts in Pediatric Critical Care - Day 2 (See page 52 for Day 1)

Moderators: Brian R. JACOBS, Thomas A. NAKAGAWA

LEARNING OBJECTIVES
- Evaluate disease processes and an effective goal-directed approach to critical care management
- Discuss clinical areas of controversy through an evidence-based decision making process

8:00 a.m. - 8:45 a.m.
> Sedation and Analgesia in the Pediatric ICU Patient
  Samuel J. AJIZIAN

8:45 a.m. - 9:30 a.m.
> Delirium in Children
  Jenny M. BOYD

9:30 a.m. - 10:15 a.m.
> Revised Pediatric Brain Death Guidelines
  Thomas A. NAKAGAWA

10:15 a.m. - 10:30 a.m.
> Break

10:30 a.m. - 11:15 a.m.
> Genomics and Sepsis
  Mary K. DAHMER

11:15 a.m. - 12:00 p.m.
> Translational Research
  Mark R. RIGBY

12:00 p.m. - 1:00 p.m.
> Lunch - Exhibit Hall A3

1:00 p.m. - 1:45 p.m.
> Ethical Considerations
  Kathryn L. WEISE

1:45 p.m. - 2:30 p.m.
> The Role of the Palliative Care Team in the Pediatric ICU
  Lorry R. FRANKEL

2:30 p.m. - 3:15 p.m.
> Ethics Roundtable Discussion
  Stephanie A. STORGION, James D. FORTENBERRY, Michael T. MEYER

3:15 p.m. - 3:30 p.m.
> Break

3:30 p.m. - 4:15 p.m.
> Transport of the Critically Ill Child
  Michael T. MEYER

4:15 p.m. - 5:30 p.m.
> Disaster Management
  Phillip A. JACOBSON, Paul N. SEVERIN
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 Course (FCCS)

8:00 a.m. - 5:30 p.m.

- HELD AT M.D. ANDERSON TRAINING CENTER
- PRE-Congress Educational Session

5th Edition Preview

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

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
SUNDAY, FEBRUARY 5, 2012

Don’t miss The Codes performance at the start of the opening session!

7:45 A.M. - 9:30 A.M. GRAND BALLROOM

• OPENING SESSION

Addresses from the Outgoing SCCM President and the Congress Co-Chairs

Max Harry Weil Memorial Presentation

Lifetime Achievement Award
Joseph E. PARRILLO, MD, FCCM

2012 Presidential Address
Clifford S. DEUTSCHMAN, MD, MS, FCCM
Professor of Anesthesiology, Critical Care and Surgery
University of Pennsylvania School of Medicine
Philadelphia, Pennsylvania, USA

• PLENARY SESSION
• AKE GRENVIK HONORARY LECTURE

Healthcare in the 21st Century
Robert M. PEARL, MD
Executive Director and CEO
The Permanente Medical Group
Oakland, California, USA

LEARNING OBJECTIVES
• Assess the impact healthcare reform will have on American medicine
• Discuss the potential of advanced information technology in the 21st century
• Identify potential models for healthcare in the future

9:00 A.M. - 3:45 P.M. EXHIBIT HALL B3

Exhibit Hall Open

9:30 A.M. - 10:30 A.M. EXHIBIT HALL B3

Break

10:30 A.M. - 11:30 A.M. ROOM 362

Clinical Conundrums in the ICU: Is the Cell at Fault?
Moderator: Mervyn SINGER

LEARNING OBJECTIVES
• Discuss the role of cellular pathology in clinical challenges in the ICU
• Illustrate the role of cellular dysfunction in critical illness
• Review the role of metabolic acidosis in cellular dysfunction

10:30 a.m. - 11:00 a.m.
> The Role of Cellular Dysfunction in Critical Illness in the ICU
Edward ABRAHAM

11:00 a.m. - 11:30 a.m.
> Wild and Wacky Cases of Metabolic Acidosis: Is the Cell at Fault?
Mervyn SINGER

All sessions will be held at George R. Brown Convention Center unless otherwise noted.
Schedule of Events

10:30 A.M. - 11:30 A.M.  GENERAL ASSEMBLY B

The End of “Nothing by Mouth” Before and After Surgery

Moderator: Juan B. OCHOA

LEARNING OBJECTIVES
- Discuss international initiatives and longitudinal programs to improve outcome in major surgery
- Discuss recent clinical trial data showing postoperative infections can be prevented by nutrition therapy
- Describe data showing early postoperative feeding initiation improves outcome
10:30 a.m. - 10:50 a.m.
> Enhanced Recovery After Surgery (ERAS) Program in Action
  Ollie LJUNGQVIST
10:50 a.m. - 11:10 a.m.
> Perioperative Nutrition Therapy: Can We Prevent Postoperative Infections?
  Juan B. OCHOA
11:10 a.m. - 11:30 a.m.
> “Nothing by Mouth” No More! Why Waiting for Bowel Sounds Makes No Sense
  Louis BRUSCO Jr.

10:30 A.M. - 12:30 P.M.  ROOM 332

Measuring Outcomes: Benchmarking and Comparisons

Moderator: Michael D. HOWELL

LEARNING OBJECTIVES
- Describe the most recent measures used to report quality and patient safety
- Discuss state-of-the-art benchmarking and scoring methods
- Assess the validity of reports used to compare ICUs and hospitals
10:30 a.m. - 11:10 a.m.
> Benchmarking Outcomes: Rationale and Current Practice
  Bruno DIGIOVINE
11:10 a.m. - 11:50 a.m.
> What Makes a Good Quality Measure, and Do These Measures Exist in the ICU?
  Michael D. HOWELL
11:50 a.m. - 12:30 p.m.
> ICU Severity and Outcome Scoring: State-of-the-Art
  Hannah WUNSCH

10:30 A.M. - 12:30 P.M.  ROOM 342

Futility in End-of-Life Decision Making

Moderator: Dan R. THOMPSON

LEARNING OBJECTIVES
- Discuss the role of futility in end-of-life decision making in the ICU
- Contrast different legal approaches to the futility concept in the ICU
- Apply the American College of Critical Care (ACCM) futility guidelines in daily practice
10:30 a.m. - 11:00 a.m.
> 1997 ACCM Futility Guidelines: What We Said and Why We Said It
  Marion DANIS
11:00 a.m. - 11:30 a.m.
> 2011 ACCM Task Force on Futility in ICU Care: Where We Are and Where We’re Going
  Brenda G. FAHY
11:30 a.m. - 12:00 p.m.
> Texas Futility Law: Past, Present and Future
  Amy L. MCGUIRE
12:00 p.m. - 12:30 p.m.
> Unilateral End-of-Life Decision Making Outside Texas: The California Experience - A Case-Based Discussion of Pediatric Care
  Alexander A. KON

10:30 A.M. - 12:30 P.M.  ROOM 351

• PRO/CON DEBATE

Controversies in Pediatric Critical Care

Moderator: Ira M. CHEIFETZ

LEARNING OBJECTIVES
- Discuss the non-procedural administration of propofol in the pediatric ICU setting
- Discuss ethical aspects of the withdrawal of life support after administration of neuromuscular support
- Discuss whether stand-alone neurological ICUs are needed
10:30 a.m. - 11:10 a.m.
> Duty Hour Restrictions Improve Patient Safety
  Richard J. BRILLI (Pro), Jason M. KANE (Con)
11:10 a.m. - 11:50 a.m.
> It Is Reasonable to Withdraw Life Support Without Reversal of Neuromuscular Blockade
  Jeffrey P. Burns (Pro), Lauren R. SORCE (Con)
11:50 a.m. - 12:30 p.m.
> Stand-Alone Pediatric Neurological ICUs Optimize Patient Care
  Mark WAINwright (Pro), Patrick S. McQuilLEN (Con)
### 10:30 A.M. - 12:30 P.M.  
**Dosing Considerations in the Critically Ill**  
**Moderator: Douglas N. FISH**

**LEARNING OBJECTIVES**
- Describe how critical illness affects drug absorption, distribution and elimination
- Assess the role of altered pharmacokinetics and pharmacodynamics on dosing
- Apply clinical recommendations

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 a.m. - 10:50 a.m.</td>
<td>Clinical Considerations of Altered Pharmacokinetics/Pharmacodynamics</td>
<td>Douglas N. FISH</td>
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<tr>
<td>10:55 a.m. - 11:15 a.m.</td>
<td>Considerations of Renal Dysfunction and Replacement</td>
<td>William E. DAGER</td>
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<tr>
<td>11:20 a.m. - 11:40 a.m.</td>
<td>Considerations of Hepatic Dysfunction</td>
<td>Ishaq LAT</td>
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<td>11:45 a.m. - 12:05 p.m.</td>
<td>Considerations of Gastrointestinal Absorption</td>
<td>David R. FOSTER</td>
</tr>
<tr>
<td>12:10 p.m. - 12:30 p.m.</td>
<td>Clinical Recommendations</td>
<td>Tyree H. KISER</td>
</tr>
</tbody>
</table>

### 10:30 A.M. - 12:30 P.M.  
**Clinical Management of Pain, Agitation and Delirium**  
**Moderator: Joseph F. DASTA**

**LEARNING OBJECTIVES**
- Identify the recommendations for prevention of analgesia, sedation and acute brain injury
- Evaluate the level of evidence for the recommendations
- Apply these recommendations to practice

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>10:30 a.m. - 10:50 a.m.</td>
<td>Assessment of Sedation, Analgesia and Delirium</td>
<td>Kathleen A. PUNTILO</td>
</tr>
<tr>
<td>10:55 a.m. - 11:15 a.m.</td>
<td>Provision of Analgesia</td>
<td>Gilles L. FRASER</td>
</tr>
<tr>
<td>11:20 a.m. - 11:40 a.m.</td>
<td>Provision of Sedation</td>
<td>Curtis N. SESSLER</td>
</tr>
<tr>
<td>11:45 a.m. - 12:05 p.m.</td>
<td>Delirium</td>
<td>Richard R. RIKER</td>
</tr>
<tr>
<td>12:10 p.m. - 12:30 p.m.</td>
<td>Clinical Management</td>
<td>Juliana BARR</td>
</tr>
</tbody>
</table>

### 10:30 A.M. - 12:30 P.M.  
**Advances in Managing Acute and Decompensated Chronic Heart Failure**  
**Moderator: Joseph E. PARRILLO**

**LEARNING OBJECTIVES**
- Describe advances in the origins of the pathophysiological and molecular mechanisms for heart failure
- Identify best practices in medical and mechanical management of systolic dysfunction
- Specify diagnostic and therapeutic strategies for systolic and diastolic heart failure

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<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>10:30 a.m. - 11:00 a.m.</td>
<td>Update in the Pathophysiology of Heart Failure: From Myocytes to Mechanics</td>
<td>Samuel M. BROWN</td>
</tr>
<tr>
<td>11:00 a.m. - 11:30 a.m.</td>
<td>Acute Heart Failure: Medical Management</td>
<td>Joseph E. PARRILLO</td>
</tr>
<tr>
<td>11:30 a.m. - 12:00 p.m.</td>
<td>Mechanical Support for the Failing Heart</td>
<td>James G. RAMSAY</td>
</tr>
<tr>
<td>12:00 p.m. - 12:30 p.m.</td>
<td>Advanced Noninvasive Hemodynamic Monitoring for Patients with Heart Failure</td>
<td>Elizabeth TURNER</td>
</tr>
</tbody>
</table>

### 10:30 A.M. - 12:30 P.M.  
**Challenges in Caring for the Immunosuppressed Patient**  
**Moderator: James A. RUSSELL**

**LEARNING OBJECTIVES**
- Explain how critical illness affects the immune system
- Identify how antibiotics and other pharmacotherapies need to be adjusted in immunosuppressed patients
- Compare how commonly used drugs affect the immune system

<table>
<thead>
<tr>
<th>Time</th>
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<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>10:30 a.m. - 11:00 a.m.</td>
<td>How Immunosuppressed Is My ICU Patient?</td>
<td>Stephen M. PASTORES</td>
</tr>
<tr>
<td>11:00 a.m. - 11:30 a.m.</td>
<td>Pharmacology in the Critically Ill Immunosuppressed Patient</td>
<td>Jessica E. BOLLINGER</td>
</tr>
<tr>
<td>11:30 a.m. - 12:00 p.m.</td>
<td>Common ICU Medications That Modulate the Immune System</td>
<td>James A. RUSSELL</td>
</tr>
<tr>
<td>12:00 p.m. - 12:30 p.m.</td>
<td>Mechanical Ventilation: Should the Strategy Be Different for Immunocompromised Patients?</td>
<td>Ann B. WEINACKER</td>
</tr>
</tbody>
</table>
Schedule of Events

11:30 A.M. - 12:30 P.M. ROOM 362

Interpreting Human Variability During Acute Illness
Moderator: J. Perren COBB

LEARNING OBJECTIVES
• Discuss the complexity of systems biology
• Review the implications of physiologic variability on prognosis
• Define allostatic load

11:30 a.m. - 11:50 a.m.
> Monitoring Multiple Organ Variability in Critical Illness
  Andrew J. E. SEELY

11:50 a.m. - 12:10 p.m.
> Impact of Allostatic Load in Critical Illness
  Mervyn SINGER

12:10 p.m. - 12:30 p.m.
> Technique for Interpreting Recovery of Trajectory
  J. Perren COBB

11:30 A.M. - 12:30 P.M. GENERAL ASSEMBLY B

Nutrition: All You Can Eat or Time to Diet?
Moderator: Paul WISCHMUEYER

LEARNING OBJECTIVES
• Apply the results of recent studies examining the use of metabolic carts
  and body mass index on caloric intake and patient outcomes
• Examine how to optimize delivery of calories both enterally and
  parenterally
• Evaluate the use of trophic and hypocaloric feeding

11:30 a.m. - 11:50 a.m.
> Goal-Directed Nutrition: Can We Decide Who Needs How Many Calories?
  Ainsley MALONE

11:50 a.m. - 12:10 p.m.
> What to Do When Enteral Nutrition Fails: The Role of Parenteral Nutrition
  Paul WISCHMUEYER

12:10 p.m. - 12:30 p.m.
> What Is the Role of Hypocaloric, High-Protein Feeding?
  Roland N. DICKERSON

NEW!
Want to view various posters and view enhanced information on posters in one place? Go to our “E-Posters” section in the poster hall and view enhanced information that authors have added to their original abstract.

Did you know?
Using your smartphone and our 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 to find out more information on that poster. To download the Congress App, go to www.sccm.org/cc41app.

12:45 P.M. - 1:45 P.M. EXHIBIT HALL A3

Professor Walk ROUNDS
Many categories have been split among multiple Poster Moderators, who will be starting at various posters as listed below beginning at 12:45 p.m.

> Research Citation Finalists (100-129)
> Administration (130-143)
> Basic Science: Cardiovascular (144-148)
> Basic Science: Cell Biology (NO and Signal Transduction, Signal Transduction) (149-150)
> Basic Science: GI/Nutrition (151)
> Basic Science: Hematology (152-154)
> Basic Science: Immunology (155-160)
> Basic Science: Infection
> Basic Science: Neurology (162-170)
> Basic Science: Pulmonary (171-176)
> Basic Science: Renal (177-179)
> Basic Science: Sepsis (180-190)
> Burns/Trauma -1 (191-203)
> Burns/Trauma -2 (204-215)
> Cardiovascular: Diagnostics (216-225)
> Cardiovascular: Monitoring-1 (226-236)
> Cardiovascular: Monitoring-2 (237-246)
> Cardiovascular: Therapeutics-1 (247-255)
> Cardiovascular: Therapeutics-2 (256-263)
> Endocrine (264-267)
> GI/Nutrition (268-278)
> Hematology (279-286)
> Immunology (287-288)
> Infection-1 (289-296)
> Infection-2 (297-304)
> Neurology: Diagnostics (305-309)
> Neurology: Monitoring (310-319)
> Neurology: Therapeutics (320-327)
> Pulmonary: Diagnostics (328-334)
> Pulmonary: Mechanical Ventilation (335-348)
> Pulmonary: Therapeutics (349-355)
From Patient Safety to Population Outcomes

Kevin K. TREMPER, MD, PhD, FCCM
Professor, Anesthesiology
University of Michigan Medical Group
Ann Arbor, Michigan, USA

LEARNING OBJECTIVES
• Discuss the development and impact of monitoring standards in anesthesiology
• Identify the potential of clinical information systems in outcomes research
• Compare the similarities in the development of acute care medicine and the aviation industry

2:00 P.M. - 2:45 P.M.  GRAND BALLROOM
- PLENARY SESSION

3:45 P.M. - 4:45 P.M.  ROOM 351
Oral Abstracts: Nutrition
Moderators: Paul WISCHMEYER, David R. FOSTER
49: Fibronectin-Integrin Interaction: Role in L-Glutamine’s Intracellular Transport and in Its Molecular Cytoprotective Mechanisms in Heat Stressed Intestinal Epithelial-6 Cells
50: Small Bowel Permeability Increases in Hemorrhagic Shock: A Possible Role for Pancreatic-Derived Inflammatory Peptides
51: Glucose Tolerance and the Hypermetabolic Response to Insulin Treatment in a Rat Burn and Disuse Model
52: Combined Zinc Supplementation with C-PEptide Treatment Modulates the Inflammatory Response in Polymicrobial Sepsis

3:45 P.M. - 4:45 P.M.  ROOM 362
Oral Abstracts: Education
Moderators: Katherine V. BIAGAS, James G. RAMSAY
61: In-House Attending Coverage Does Not Adversely Impact Pediatric Critical Care Fellow Autonomy
63: Pediatric Critical Care and Emergency Medicine Regional Boot Camp Improves Fellow Confidence in Essential Skills and Communication
64: Development of a Multicenter Collaborative for Education Based Research – Birth of the Education in Pediatric Intensive Care (EPIC) Investigators

3:45 P.M. - 4:45 P.M.  ROOM 332
Oral Abstracts: Cardiovascular - Basic Science
Moderators: Steven M. HOLLENBERG, Ronald G. PEARL
17: Cardiac PPAR-Gamma Protects Against Myocardial Ischemia-Reperfusion Injury
18: The Effect of Hyperoxia in a Porcine Model of Ruptured Abdominal Aortic Aneurysm Repair
19: The Effects of Allogeneic Cardiac Stem Cells (CSCs) in Left Ventricular Geometry and Function in a Rat Model of Myocardial Infarction
20: Comparison of Cardiac Stem Cells and Mesenchymal Stem Cells Transplantation on the Cardiac Electrophysiology in Rat Model of Myocardial Infarction in the Short-Term and Medium-Term Period

3:45 P.M. - 5:45 P.M.  ROOM 342
Oral Abstracts: Pulmonary
Moderators: Brian P. KAVANAGH, Nicholas S. HILL
41: The Influence of Pre-Hospital Systemic Corticosteroid Use on Development of Acute Lung Injury and Hospital Outcomes
42: MFG-E8 Attenuates Neutrophil Infiltration Via Down-Regulation of CXCR2 in Acute Lung Injury
43: Role of MMP-8 in Bacterial Pneumonia
44: A Shortened Duration of Antimicrobial Therapy May Be Inadequate in the Setting of Ventilator-Associated Pneumonia Secondary to Non-Lactose Fermenting Bacilli
45: HFOV Rescue in Severe Acute Respiratory Distress Syndrome: Oxygenation Improvement Predicts Outcome
46: Effects of Patient-Initiated Music Listening on Anxiety in Mechanically Ventilated Patients
47: Randomized Trial of Initial Trophic Versus Early Advancement to Full Enteral Feeding in Patients with Acute Lung Injury (ALI) (EDEN)
48: The Use of Near Infrared Spectroscopy During a Pre-Extubation Pressure Support Breathing Trial as a Predictor of Extubation Outcome
3:45 P.M. - 5:45 P.M.  GENERAL ASSEMBLY A

Oral Abstracts: Sepsis
Moderators: Judith HELLMAN, Josh DOUGLAS

9: Role of CXCR3 in the Pathogenesis of Acute Septic Shock
10: Hemadsorption Modulates Leukocyte Trafficking in Different Compartments During Sepsis
11: Robo1 Binding Receptor is Upregulated by Vasopressin During Septic Shock Leading to Decreased Sepsis Induced Cardiac Dysfunction in a Murine LPS Sepsis Model
12: Changes in Non-Linear Hemodynamics with Early Aggressive Fluid Resuscitation in Sepsis
13: Effects of Resuscitation Fluids on Experimental Sepsis-Induced Acute Kidney Injury
14: Role of Liver X Receptor Alpha in Modulating Inflammation in a Mouse Model of Sepsis Induced Lung Injury
15: Red Cell Distribution Width Is a Prognostic Factor in Severe Sepsis and Septic Shock
16: Early Innate Immune Function Predicts Outcomes from Pediatric Critical Illness

3:45 P.M. - 5:45 P.M.  GENERAL ASSEMBLY B

Oral Abstracts: Neurology
Moderators: Jose Javier PROVENCIO, Christine A. WIJMAN

1: Activation of Poly (ADP-ribose) Polymerase-1 Contributes to NAD+ Depletion and Impaired NAD+ Dependent Mitochondrial Respiration Following Status Epilepticus
2: In Vivo Evolution of Microvascular Inflammation After Traumatic Brain Injury: An Intravital Microscopy Study
3: Altered Cardiac Conduction and Increased Arrhythmogenic Potential as a Candidate Mechanism for Sudden Unexplained Death in Epilepsy
4: Monoamine Relationship to Blood Load Following Aneurysmal Subarachnoid Hemorrhage
5: Elevated Cerebrospinal Fluid Metalloproteinase-9 is Associated with Poor 6-Month Outcome Following Subarachnoid Hemorrhage
6: Optic Nerve Sheath Distension on Bedside Ultrasound Is Less Predictive of Intracranial Hypertension When Intracranial Pressure Is Acutely Fluctuating
7: APOE Genotype, Inflammation and Delirium in ICU Patients
8: Efficacy of Anticonvulsants for the Management of Electrographic Seizures in Critically Ill Children

3:45 P.M. - 5:45 P.M.  GENERAL ASSEMBLY C

Oral Abstracts: Cardiovascular - Clinical
Moderators: Mark E. MIKKELSEN, Anne-Sophie BERAUD

21: Mitochondrial Targeting of Antioxidants with Anti-Apoptotic Action in Pediatric Asphyxial Cardiac Arrest
22: Simple Stepstool Adjuncts Improve Duration of AHA Guideline-Compliant Chest Compressions and Reduce Rescuer Subjective Fatigue
23: Use of Therapeutic Hypothermia After In-Hospital Cardiac Arrest
24: The Effect of Glutamine on Cerebral Ischemic Injury After Cardiac Arrest
25: Cell Saver for Volume Replacement in Children Following Cardiopulmonary Bypass Reduces the Number of RBC and Blood Product Transfusions and Donor Exposures
26: Red Blood Cell Transfusion in Critically III Medical Patients with Ischemic or Nonischemic Cardiac Disease
27: Extra Corporeal Membrane Oxygenation (ECMO) and Cerebral Blood Flow Velocity (CBFV) in Children
28: The Diagnostic Accuracy of Inferior Vena Cava Collapsibility in Determining Volume Responsiveness in Emergency Department Patients with Shock
4:45 P.M. - 5:45 P.M.  ROOM 332
Oral Abstracts: Patient and Family
Moderators: Michael D. HOWELL, Ludwig H. LIN

29: Do Personal Preferences for Life-Sustaining Treatment Influence Medical Decision Making Among Pediatric Intensivists?
30: Physician Attire in the ICU and Its Effect on Families
31: The Challenge of Assessing Symptoms in Seriously Ill Intensive Care Unit Patients: Can Proxy Reporters Help?
32: A Patient Family Centered Care Program Improves Family Satisfaction in the ICU

4:45 P.M. - 5:45 P.M.  ROOM 362
Oral Abstracts: Monitoring
Moderators: James M. BLUM, Sherif AFIFI

57: Innovative Continuous Noninvasive Cuffless Blood Pressure Monitoring Based on Plethysmography Technology
58: Inferior Vena Cava Respiratory Variability by Ultrasound, a Predictor of Fluid Responsiveness in Mechanically Ventilated Pediatric Septic Shock Patients
59: The Use of End-Tidal Carbon Dioxide (ETCO₂) Guidance of Closed Chest Compression Depth and Rate to Improve CPR Survival
60: Elevated Intracranial Pressure Diagnosed by Optic Ultrasound in the Setting of Normal Intraventricular Catheter Pressure Measurements

4:45 P.M. - 5:45 P.M.  ROOM 351
Oral Abstracts: Outcomes
Moderators: Richard H. SAVEL, Hannah WUNSCH

53: Impact of Active Surveillance on the Proportion of Hospital-Acquired Methicillin Resistant Staphylococcus aureus (MRSA) Infections in Intensive Care Units
54: Development and Validation of Severe Hypoxemia Related ICU Mortality Prognostic Model (SHRIMP) in 1000 Mechanically Ventilated Patients with Refractory Hypoxemia
55: Changes in Disease-Specific Mortality Over Two Decades in a Multi-Institutional ICU Database
56: Early and Late Positive Fluid Balance in Sepsis: Are They Both Related to Mortality and Acute Kidney Injury?
MONDAY, FEBRUARY 6, 2012

5:30 A.M. - 6:30 A.M.
Continental Breakfast
Continental breakfast is available for all symposia attendees outside of the room prior to the session.

6:30 A.M. - 8:00 A.M. GENERAL ASSEMBLY A
- BREAKFAST SYMPOSIUM
Sedation and Delirium in the ICU
Supported by an educational grant from Hospira, Inc.
Moderator: Robert D. STEVENS
LEARNING OBJECTIVES
- Discuss the magnitude of delirium as a problem in the ICU
- Examine the new findings in neuroscience that pertain to consciousness and delirium
- Review the new sedation guidelines from the American College of Critical Care Medicine
6:30 a.m. - 7:00 a.m.
> Biology of Consciousness and Consciousness Disorders
Robert D. STEVENS
7:00 a.m. - 7:30 a.m.
> Outcome of the Delirious Patient in the ICU
E. Wesley ELY
7:30 a.m. - 8:00 a.m.
> What Do the New Guidelines Say?
Douglas B. COURSIN

6:30 A.M. - 8:00 A.M. GENERAL ASSEMBLY B
- BREAKFAST SYMPOSIUM
Sodium Challenges in the Critical Care Patient
Supported by an educational grant from Otuska
Moderator: Andrew SHORR
LEARNING OBJECTIVES
- Review the current data on decreased sodium levels as a prognostic marker of poor outcomes in the critical care patient
- Discuss the safety, efficacy, and role of current and emerging pharmacotherapies for managing serum sodium levels
- Evaluate the optimum management of the critical care patient with decreased serum sodium
6:30 a.m. - 6:50 a.m.
> Introduction: Sodium Challenges in Critical Care Patient
Denise RHONEY
6:50 a.m. - 7:10 a.m.
> Managing the Septic Patient Complicated by Multi-Organ Failure with Sodium Variations
Andrew F. SHORR
7:10 a.m. - 7:30 a.m.
> Managing the SIADH and Neurocritical Care Patient
Denise RHONEY

Continued ➔
**10:00 A.M. - 11:00 A.M. GENERAL ASSEMBLY C**

**Infectious Complications in Trauma Patients**

**Moderator: Michael A. WEST**

**LEARNING OBJECTIVES**
- Review common infectious complications in trauma patients
- Describe the difficulty of diagnosing infections following trauma
- Review the unique challenges of treating infections in trauma patients

10:00 a.m. - 10:20 a.m.
- Infections in Trauma Patients: Ventilator-Associated Pneumonia, Surgical Site Infection and More
  Addison K. MAY
10:20 a.m. - 10:40 a.m.
- Sepsis Biomarkers in Trauma Patients
  Charles Andrew ADAMS Jr.
10:40 a.m. - 11:00 a.m.
- Source Control, Antibiotic Strategies and Kinetics in Septic Trauma Patients
  Michael A. WEST

**10:00 A.M. - 12:00 P.M. ROOM 332**

**Integrating Nurse Practitioners and Physician Assistants Into the ICU**

**Moderator: Lauren R. SORCE**

**LEARNING OBJECTIVES**
- Identify the role of nurse practitioners (NPs) and physician assistants (PAs) in the ICU
- Discuss strategies for integrating NPs and PAs in the ICU
- Identify models of care for integrating NPs and PAs in the ICU

10:00 a.m. - 10:30 a.m.
- Building the ICU Workforce in the Face of ACGME Work-Hour Restrictions
  Stephen M. PASTORES
10:30 a.m. - 11:00 a.m.
- Use of NPs and PAs in the ICU: Results from National Surveys
  Ruth M. KLEINPELL
11:00 a.m. - 11:30 a.m.
- A Model of NPs and PAs in the ICU: Aligning Goals and Strategies within the Academic Health Science Center
  Timothy G. BUCHMAN
11:30 a.m. - 12:00 p.m.
- Models of NPs and PAs in the ICU: Focus on Pediatrics
  Lauren R. SORCE

**10:00 A.M. - 12:00 P.M. ROOM 351**

**Support Issues for the Pediatric Patient with Acute Lung Injury**

**Moderator: Ira M. CHEIFETZ**

**LEARNING OBJECTIVES**
- Describe the application of non-traditional modes of ventilation for the pediatric acute lung injury (ALI) patient
- Discuss the indications for adjunct therapies
- Describe advances in extracorporeal support for the pediatric acute respiratory distress syndrome (ARDS) patient
- Discuss novel approaches in the nursing care of the pediatric ALI/ARDS patient
- Discuss advances in pediatric lung transplant techniques

10:00 a.m. - 10:25 a.m.
- Non-Traditional Modes of Ventilation: Airway Pressure Release Ventilation, Neuroally Adjusted Ventilatory Assist, and More
  Ira M. CHEIFETZ
10:30 a.m. - 10:55 a.m.
- Advances in Extracorporeal Support for the Pediatric Patient
  Heidi J. DALTON
11:00 a.m. - 11:25 a.m.
- Novel Approaches to the Nursing Management of the Child with ALI
  Martha A.Q. CURLEY
11:30a.m. - 12:00 p.m.
- Lung Transplantation: When All Else Fails?
  Paul A. CHECCHIA

**10:00 A.M. - 12:00 P.M. ROOM 362**

**Less than Zero: Pursuing Perfection in the ICU**

**Moderator: Robert C. HYZY**

**LEARNING OBJECTIVES**
- Discuss updates on the Michigan Keystone ICU Project
- Develop new strategies for the reduction of ICU complications
- Recognize that quality improvement in the ICU is a means to an end, and not the end itself

10:00 a.m. - 10:20 a.m.
- Taking Central Line-Associated Bloodstream Infections to Zero and Staying There: Michigan’s Keystone ICU Project
  Robert C. HYZY
10:25 a.m. - 10:45 a.m.
- Non-Payment for Never Events: Can Pay for Performance Lead to Less Than Zero?
  Brenda G. FAHY
10:50 a.m. - 11:10 a.m.
- Acute Brain Dysfunction in the ICU: Cause, Effect, Prevention and Treatment
  Timothy D. GIRARD
11:15 a.m. - 11:35 a.m.
- Prevention of Clostridium difficile in the ICU
  Marya ZILBERBERG
11:40 a.m. - 12:00 p.m.
- Eliminating Ventilator-Associated Pneumonia: Setting the Quality Bar
  Marin H. KOLLEF
Schedule of Events

10:00 A.M. - 12:00 P.M.  ROOM 372

**CRITICAL CARE SOCIETIES COLLABORATIVE JOINT SESSION**

**SCCM, ATS, ACCP, AACN: Coming Together to Optimize Organ Donation in the ICU**

**Moderator: Pamela A. LIPSETT**

**LEARNING OBJECTIVES**
- Discuss identifying potential cardiac donors in the ICU
- Utilize appropriate mechanical ventilator settings to optimize potential for lung donation
- Examine family needs and provide supportive management for all potential organ donors
- Describe key concepts and measures utilized for establishing an organ donation program for donation after cardiac death

10:00 a.m. - 10:30 a.m.
> Identifying and Optimizing Potential Cardiac Donors in the ICU
Nicholas S. HILL

10:30 a.m. - 11:00 a.m.
> Principles of Mechanical Ventilatory Support in Lung Donors
Suhail RAOOF

11:00 a.m. - 11:30 a.m.
> Family Care in Organ Donation
Mary STAHL

11:30 a.m. - 12:00 p.m.
> Setting Up a Program for Donation After Cardiac Death: What Do You Need to Do?
Pamela A. LIPSETT

10:00 A.M. - 12:00 P.M.  GRAND BALLROOM

**Rethinking Toxic Substances and Treatments**

**Moderator: James MOWRY**

**LEARNING OBJECTIVES**
- Discuss new substances that are being abused
- Identify the role of lipid rescue for cardioactive drugs
- Discuss updates on the indications, dosing and monitoring of acetylcysteine
- Describe the rationale for high-dose insulin for treatment of calcium antagonist and beta-blocker overdoses

10:00 a.m. - 10:30 a.m.
> What in the World! Spice, Bath Salts and Other New Substances of Abuse
Edward M. BOTTEI

10:30 a.m. - 11:00 a.m.
> Phospholipids: Not Just for Nutrition Anymore
Maria I. RUDIS

11:00 a.m. - 11:30 a.m.
> You’re Giving That Dose? High-Dose Insulin for Calcium Antagonist and Beta-Blocker Overdoses
Richard G. THOMAS

11:30 a.m. - 12:00 p.m.
> Everything You Think You Know, But Don’t, About Acetylcysteine
James MOWRY

10:00 A.M. - 12:00 P.M.  GENERAL ASSEMBLY A

**Rescue Therapies for Severe Acute Respiratory Distress Syndrome**

**Moderator: Greg S. MARTIN**

**LEARNING OBJECTIVES**
- Identify clinical criteria for patients with severe acute respiratory distress syndrome (ARDS)
- Describe the treatment options for severe ARDS
- Apply different therapeutic options by assessing the risks, benefits and outcome implications

10:00 a.m. - 10:20 a.m.
> Inhaled Vasodilators: When Nothing Else Has Worked
R. Philip DELLINGER

10:25 a.m. - 10:45 a.m.
> High-Frequency Oscillatory Ventilation: Use It Early, Late or Not at All?
Roy G. BROWER

10:50 a.m. - 11:10 a.m.
> Extracorporeal Membrane Oxygenation for Refractory Hypoxemia
Pauline K. PARK

11:15 a.m. - 11:35 a.m.
> Neuromuscular Blockade for all ARDS Patients?
Brian L. ERSTAD

11:40 a.m. - 12:00 p.m.
> Rotational Therapy and Proning
Henry E. FESSLER

10:00 A.M. - 12:00 P.M.  GENERAL ASSEMBLY B

**Challenges in Acute Cardiovascular Care**

**Moderator: James M. BLUM**

**LEARNING OBJECTIVES**
- Analyze and translate best practices used for intra-aortic balloon pumps
- Describe the application of state-of-the-art temporary mechanical support devices for the failing heart
- Discuss and critique the evidence supporting the use of extracorporeal membrane oxygenation (ECMO) for cardiac support
- Identify the types and management issues related to current implantable cardiac assist devices
- Describe established and emerging endovascular techniques for vascular disease management

10:00 a.m. - 10:20 a.m.
> Old Friend for Acute Heart Failure and Coronary Syndrome: Getting the Most out of the Intra-Aortic Balloon Pump
Charles HILL

10:25 a.m. - 10:45 a.m.
> Ventricular Assist Devices by Another Name: Temporary and Percutaneous Cardiac Assist Devices
Gregory M. JANELLE

10:50 a.m. - 11:10 a.m.
> Expanding Use of and Techniques for ECMO to Support the Failing Heart
James M. BLUM

Continued ↑
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 11:15 a.m. - 11:35 a.m. | Update on Ventricular Assist Devices: The Heart Failure Epidemic’s Technology Solution  
                      Robert N. SLADEN  |
| 11:40 a.m. - 12:00 p.m. | Prevention and Treatment of Paraplegia with Aortic Surgery   
                      Joseph S. COSELLI  |
| 11:00 A.M. - 12:00 P.M. | **Update in Stem Cell Research**  
                      Moderators: Jae Woo LEE  |
| **LEARNING OBJECTIVES** | • Describe the current controversies in stem cell research  
                        • Discuss the use of stem cells in treating spinal cord injury  
                        • Outline how stem cells are being used to treat sepsis  |
| 11:00 a.m. - 11:20 a.m. | Stem Cell Therapy for Sepsis  
                      Mauricio ROJAS  |
| 11:20 a.m. - 11:40 a.m. | Stem Cell Therapy for Spinal Cord Injury  
                      Qi Lin CAO  |
| 11:40 a.m. - 12:00 p.m. | Current Controversies in Stem Cell Research  
                      Jae Woo LEE  |
| 11:00 A.M. - 12:00 P.M. | **Reconstructing Prehospital Trauma Care**  
                      Moderator: Christina G. REHM  |
| **LEARNING OBJECTIVES** | • Assess if on-scene advanced life support improves patient outcomes  
                        • Discuss the translation of tactical combat casualty care to civilian prehospital trauma care  
                        • Identify the ideal target blood pressure for a multisystem trauma patient in the prehospital setting  |
| 11:20 a.m. - 11:40 a.m. | Does On-Scene Advanced Life Support Improve Outcome in the Multisystem Trauma Patient?  
                      Paul E. PEPE  |
| 11:40 a.m. - 12:00 p.m. | Trauma Combat Casualty Care: From the Battlefield to the Streets  
                      John B. HOLCOMB  |
| 11:40 a.m. - 12:00 p.m. | Targeting Optimal Blood Pressure in the Early Management of Multisystem Trauma Patients  
                      Philip EFRON  |

**Teaching and Implementing Quality Improvement in the ICU**

**Moderators:** Anthony GERLACH, William C. CHIU

**LEARNING OBJECTIVES:**
- Describe strategies to teach quality improvement to fellows and residents in the ICU
- Discuss strategies to implement quality improvement in the ICU
- Identify key personnel to help conduct quality improvement

**NEW!**

Want to view various posters and view enhanced information on posters in one place? Go to our “E-Posters” section in the poster hall and view enhanced information that authors have added to their original abstract.

**Did you know?**

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Schedule of Events

**Professor Walk Rounds, Continued**
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-4 (512-522)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-5 (523-533)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-6 (534-544)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-7 (545-555)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-8 (556-566)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-9 (567-576)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-10 (578-588)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-11 (589-599)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-12 (600-610)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-13 (611-621)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-14 (622-632)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-15 (633-643)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-16 (644-654)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-17 (655-663)
- Epidemiology/Outcomes (Predictors, Quality of Life, Safety)-18 (664-672)

**1:30 P.M. - 2:15 P.M. GRAND BALLROOM**

**PLENARY SESSION**

**Biomarkers in Acute Lung Injury: Are We Still on a Quest for the Holy Grail?**

_Polly E. PARSONS, MD_  
Fletcher Allen Health Care  
Burlington, Vermont, USA

**LEARNING OBJECTIVES**
- Review the myriad biomarkers studied in acute lung injury/acute respiratory distress syndrome (ALI/ARDS) patients
- Identify the potential roles of biomarker measurements in ALI/ARDS
- Discuss the impact of patient heterogeneity on biomarker measurements in patients at risk for and with ALI/ARDS

**2:15 P.M. - 3:15 P.M. EXHIBIT HALL B3**

**Break**

**3:15 P.M. - 4:15 P.M. ROOM 332**

**When the Patient Lacks Capacity**

**Moderator: Gregory E. KERR**

**LEARNING OBJECTIVES**
- Describe how to determine a patient’s level of capacity
- List what is required in obtaining an informed consent
- Define the roles of the healthcare proxy, family members and friends when making decisions for a patient

3:15 p.m. - 3:45 p.m.  
> Is the Patient Capable?  
  Natalia S. IVASCU

3:45 p.m. - 4:15 p.m.  
> Who Can Decide When the Patient Can’t?  
  Dan R. THOMPSON

**3:15 P.M. - 4:15 P.M. ROOM 342**

**Staffing in the ICU**

**Moderator: Mitchell M. LEVY**

**LEARNING OBJECTIVES**
- Identify current pressures on the ICU workforce
- Compare and contrast strategies to relieve workforce strain

3:15 p.m. - 3:35 p.m.  
> Updating the Workforce Crisis: Committee on Manpower of Pulmonary and Critical Care Societies 10 Years Later  
  Donald B. CHALFIN

3:35 p.m. - 3:55 p.m.  
> Alternatives for the Manpower Shortage  
  Jeffery S. VENDER

3:55 p.m. - 4:15 p.m.  
> Recommendations and Future Directions for Staffing Ratios  
  Nicholas S. WARD

**3:15 P.M. - 4:15 P.M. ROOM 351**

**Year in Review: Pediatrics**

**Moderator: Jeffrey P. BURNS**

**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

3:15 p.m. - 3:45 p.m.  
> Basic Science  
  Kurt R. STENMARK

3:45 p.m. - 4:15 p.m.  
> Clinical  
  Robert C. TASKER
Year in Review: Pharmacy  
Moderator: Jeffrey BARLETTA

LEARNING OBJECTIVES
- Review recent literature related to hematology in the ICU
- Evaluate relevant pulmonary critical care studies using an evidence-based approach
- Discuss current data associated with the management of critically ill patients with acute kidney injury

3:15 p.m. - 3:35 p.m.  
> Hematology in the ICU  
Lee P. SKRUPKY

3:35 p.m. - 3:55 p.m.  
> Pulmonary Critical Care  
Said Mahmoud SULTAN

3:55 p.m. - 4:15 p.m.  
> Acute Kidney Injury  
Seth R. BAUER

Year in Review: Surgery  
Moderator: Christine C. TOEVS

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

3:15 p.m. - 4:15 p.m.  
> Literature Review  
Lewis J. KAPLAN, Douglas F. NAYLOR Jr.

Update on Sepsis Clinical Trials  
Moderator: Greg S. MARTIN

LEARNING OBJECTIVES
- Discuss the most recent sepsis trials
- Apply sepsis treatments based upon individualized risks and benefits
- Review the rationale for a randomized placebo controlled trial within the indication of the approved study drug and discuss the preliminary findings that lead to the withdrawal of Xigris

3:15 p.m. - 3:35 p.m.  
> The Latest ProCESS in Early Goal-Directed Therapy  
David Tom HUANG

3:35 p.m. - 3:55 p.m.  
> Results of the Toll-Like Receptor 4 Antagonist (Eritoran) Trial  
Pierre-Francois LaTERRE

3:55 p.m. - 4:15 p.m.  
> Preliminary Results of the Prowess-Shock Trial  
B. Taylor THOMPSON

Outcomes Associated with Early Physical Activity in Patients with Respiratory Failure  
Moderator: Robert C. HYZY

LEARNING OBJECTIVES
- Discuss the concepts and outcomes associated with early physical activity in patients with respiratory failure
- Evaluate strategies to reduce deep sedation and delirium to promote mobilization
- Review the role of the physical therapist as part of the inter-professional mobilization team

3:15 p.m. - 3:35 p.m.  
> Rationale for Mobilizing Mechanically Ventilated Patients  
John P. KRESS

3:35 p.m. - 3:55 p.m.  
> Sedation and Delirium Treatment Optimization to Enhance Mobilization Efforts  
Pamela L. SMITHBURGER

3:55 p.m. - 4:15 p.m.  
> Instituting Early Mobility at the Bedside  
Noel R. BALDWIN

Early Warning Systems to Improve Patient Safety  
Moderator: Michael A. DeVITA

LEARNING OBJECTIVES
- Explore whether the use of early warning systems improves patient outcomes
- Outline differences in the application of early warning systems in the pediatric and adult units
- Discuss if early warning systems affect ICU patient flow

3:15 p.m. - 3:35 p.m.  
> Does an Early Warning System Really Improve Patient Outcome?  
Vinay M. NADKARNI

3:35 p.m. - 3:55 p.m.  
> Are Early Warning Scores Applicable in the Heterogeneous Adult Critical Care Environment?  
Michael A. DeVITA

3:55 p.m. - 4:15 p.m.  
> Early Warning Scoring Systems and Patient Flow: Does It Create a Bed Jam in the ICU?  
Derek S. WHEELER
Monday, February 6

### Acute Pulmonary Hypertension and Right Heart Failure

**Moderator: Ronald G. PEARL**

**LEARNING OBJECTIVES**
- Describe advances in the pathophysiology of pulmonary hypertension
- Identify current and emerging therapies for right heart failure and pulmonary hypertension

#### 3:15 p.m. - 3:35 p.m.
- What’s New in Physiologic and Molecular Mechanisms of Acute Pulmonary Hypertension and Right Heart Failure
  - Brian P. KAVANAGH

#### 3:35 p.m. - 3:55 p.m.
- Primary Management of and Prevention of Acute Right Heart Failure
  - James G. RAMSAY

#### 4:15 p.m. - 4:35 p.m.
- Emerging Therapies and Management of Acute and Chronic Pulmonary Hypertension
  - Micah FISHER

### Stroke Centers: Role in Acute Neurological Care

**Moderator: Thomas P. BLECK**

**LEARNING OBJECTIVES**
- Discuss the advantages and disadvantages of maintaining certification
- Evaluate the various modalities available for stroke telemedicine
- Discuss the concept of a neurological rapid response team

#### 4:30 p.m. - 4:50 p.m.
- Is Stroke Center Certification Worthwhile?
  - Thomas P. BLECK

#### 4:50 p.m. - 5:10 p.m.
- Telestroke: Overcoming Boundaries to Acute Stroke Care
  - Jose Javier PROVECÍO

#### 5:10 p.m. - 5:30 p.m.
- Neuro-Rapid Response Teams: What Do They Offer?
  - Cherylly W. CHANG

### Optimizing Family Visitation in the ICU

**Moderator: Neil A. HALPERN**

**LEARNING OBJECTIVES**
- Illustrate optimal ICU design features for families and visitors
- Debate the pros and cons of 24/7 visitation policies

#### 4:30 p.m. - 4:50 p.m.
- Optimal ICU Design for Families and Visitors
  - Charles D. CADENHEAD
4:30 P.M. - 5:30 P.M.  ROOM 372

Year in Review: Anesthesia: Do Algorithms Make a Difference?

Moderator: Daniel R. BROWN

LEARNING OBJECTIVES
- Describe the rationale for algorithm use in healthcare delivery
- Illustrate considerations for implementation of airway algorithm within the healthcare environment
- Appraise resuscitation algorithm strengths and weaknesses

4:30 p.m. - 5:00 p.m.
> Airway Management: Is 2012 Prime Time to Implement Algorithms for Emergent Airway Management?
  Avinash B. KUMAR, Edward BITTNER
5:00 p.m. - 5:30 p.m.
> Resuscitation: How Do We Determine Endpoints?
  Ulrich SCHMIDT, Sundar KRISHNAN

4:30 P.M. - 5:30 P.M.  GRAND BALLROOM

- INTERACTIVE SESSION

Update on Surviving Sepsis Campaign Guidelines

Moderator: Mitchell M. LEVY

LEARNING OBJECTIVES
- Discuss updated recommendations for the sepsis guidelines
- Examine the impact of the protocol-base approach to severe sepsis and septic shock
4:30 p.m. - 5:00 p.m.
> Update on Guidelines
  R. Phillip DELLINGER
5:00 p.m. - 5:30 p.m.
> Update on Bundles
  Mitchell M. LEVY

4:30 P.M. - 5:30 P.M.  GENERAL ASSEMBLY A

- INTERACTIVE SESSION

Impact of Drug Shortages on Patient Care

Moderator: Curtis E. HAAS

LEARNING OBJECTIVES
- Identify the etiology of drug shortages
- Review recent drug shortages and their clinical impact
- Discuss how to prevent and manage drug shortages
4:30 p.m. - 4:50 p.m.
> Etiology of Recent Drug Shortages
  John J. LEWIN III
4:50 p.m. - 5:10 p.m.
> Clinical Impact of Drug Shortages
  Dustin D. SPENCER
5:10 p.m. - 5:30 p.m.
> Management Strategies to Prevent or Successfully Deal with Critical Drug Shortages
  Curtis E. HAAS

4:30 P.M. - 5:30 P.M.  GENERAL ASSEMBLY A

- INTERACTIVE SESSION

Failures in Glycemic Control

Moderator: Douglas B. COURSIN

LEARNING OBJECTIVES
- Identify how devices, sampling sites, and patient and provider factors negatively impact glycemic control
- Discuss target intensive insulin therapy for the high-risk patient
- Articulate specific strategies for safe and effective transition from intensive insulin therapy
4:30 p.m. - 4:50 p.m.
> Monitors, Sampling and Human Factors
  Matthew C. SCANLON
4:50 p.m. - 5:10 p.m.
> The High-Risk Patient for Glycemic Control Failure
  Douglas B. COURSIN
5:10 p.m. - 5:30 p.m.
> Transitioning from Intensive Insulin Therapy
  Alan C. HEFFNER

4:30 P.M. - 5:30 P.M.  GENERAL ASSEMBLY C

Acute Coronary Syndrome

Moderator: Steven M. HOLLENBERG

LEARNING OBJECTIVES
- Appraise the diagnostic features of acute coronary syndrome (ACS)
- Construct an evidence-based approach to ACS management
- Develop a risk mitigation strategy after the initial ACS episode
4:30 p.m. - 4:50 p.m.
> ACS: Guideline Update and Therapy
  Joseph E. PARRILLO
4:50 p.m. - 5:10 p.m.
> ACS in the Critically Ill Patient with Organ Failure
  Steven M. HOLLENBERG
5:10 p.m. - 5:30 p.m.
> Risk Mitigation for ACS Survivors
  Michael J. MURRAY

6:00 P.M. - 7:30 P.M.  HILTON - LANIER

ACCM Convocation and SCCM Awards Ceremony

See page 16 for all ACCM activities.
### Schedule of Events

**TUESDAY, FEBRUARY 7, 2012**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 A.M. - 12:00 P.M.</td>
<td>HILTON - BALLROOM OF AMERICA A</td>
<td>Championing the Role of Advanced Practice Nurses for Maximum Bedside Impact</td>
</tr>
</tbody>
</table>

**Moderator: Deborah TUGGLE**

**LEARNING OBJECTIVES**
- Discuss benchmarking and show value for the role of the nurse practitioner (NP) and clinical nurse specialist (CNS)
- Describe issues related to competency and research related to the role of the NP and CNS
- Review new clinical guidelines, recommendations and methods for championing changes at the bedside

**Panelists:**
- Ruth M. KLEINPELL, Mary Kay BADER
- Karin E. REUTER-RICE, Diane BYRUM
- Martha A.Q. CURLEY, Marilyn HRAVNAK

<table>
<thead>
<tr>
<th>Time</th>
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<th>Event</th>
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<tbody>
<tr>
<td>9:00 A.M. - 10:00 A.M.</td>
<td>EXHIBIT HALL B3</td>
<td>Vascular Protection After Acute Ischemic Stroke: Progress in Translation</td>
</tr>
</tbody>
</table>

**Susan C. FAGAN, PharmD, BCPS, FCCP**

Professor and Associate Head
University of Georgia
Augusta, Georgia, USA

**LEARNING OBJECTIVES**
- Identify a role for vascular protection after an acute stroke
- Evaluate the ability of repurposed drugs to modulate endogenous mediators and protectors against vascular damage after cerebral ischemia
- Review progress on translating experimental stroke findings into acute stroke patients

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:00 A.M. - 12:00 P.M.</td>
<td>ROOM 332</td>
<td>Interactive Case Discussions with the Experts: Vincent, Singer, and You</td>
</tr>
</tbody>
</table>

**Moderator: James MINNIS**

**LEARNING OBJECTIVE**
- Examine controversial and/or challenging case studies

**Panelists:**
- Jean-Louis VINCENT, Mervyn SINGER
### Imitators of Acute Respiratory Distress Syndrome

**Moderator:** Robert C. HYZY  
**Learning Objectives:**  
- Examine several differential diagnoses in patients who meet acute lung injury/acute respiratory distress syndrome (ALI/ARDS) criteria  
- Pulmonary Vasculitis Presenting as ALI  
- Joseph P. LYNCH III  
- Acute Hypersensitivity Pneumonia and Acute Exacerbations of Acute Pulmonary Fibrosis  
- Kevin R. FLAHERTY  
- Acute Interstitial Pneumonia Is Really Idiopathic ARDS  
- Robert C. HYZY  
- Differentiating Lung Injury in ARDS Secondary to Airway Injury and Multiple Trauma  
- Daniel L. TRABER

### Intensivist-Led Donor Management to Optimize Organ Function and Recovery

**Moderator:** Michael J. SOUTER  
**Learning Objectives:**  
- Discuss the role of the intensivist in managing organ donors in the ICU  
- Examine how ischemia and inflammation play major roles in organ injury resulting in potential loss of transplantable organs  
- Identify appropriate clinical measures for implementation of donor management protocols/guidelines in the ICU  
- Evaluate ethical issues surrounding organ donor management  
- Organ Donor in the ICU: The Abandoned Ship and the Role of Intensivists  
- Michael J. SOUTER  
- Influence of Inflammation on Organ Transplantation and Recipient Outcomes  
- Raghavan MURUGAN  
- Optimal Donor Resuscitation Using Functional Hemodynamic Monitoring Technology  
- Daniel J. LEOBIVITZ  
- Clinical Donor Management: A Review of Evidence-Based Guidelines and Current Practices  
- Janet E. TUTTLE-NEWHALL  
- Integrating Organ Donation into the End-of-Life Care Continuum  
- Douglas B. WHITE

### Novel Applications of ICU Telemedicine

**Moderator:** Gregory E. KERR  
**Learning Objectives:**  
- Identify new clinical areas in which telemedicine can be used to improve quality  
- Appraise different methods for applying ICU telemedicine for maximal effect  
- Develop strategies to address regulatory and legal issues facing ICU telemedicine  
- Telehealth as a Quality and Cost-Savings Tool  
- Miles S. ELLENBY  
- Telemedicine Outreach: Improving Care in the Community  
- Bela PATEL  
- The Telepharmacy: Improving Drug Utilization Through Telemedicine  
- Allison A. FORNII  
- Telemedicine Regulatory and Legal Issues  
- Todd DORMAN  
- Telemedicine: Where Do We Go from Here?  
- Jay S. COWEN

### Neurotrauma

**Moderator:** Thomas P. BLECK  
**Learning Objectives:**  
- Review the diagnostic tools for evaluation of ischemic stroke  
- Identify and integrate new information regarding the pathophysiology of acute neurological injuries  
- Review the current guidelines for management of acute central nervous system injury  
- Diagnosing Acute Ischemic Stroke  
- Christine A. WIJMAN  
- Traumatic Brain Injury  
- J. Claude HEMPHILL III  
- Acute Spinal Cord Injury: What’s New?  
- Thomas P. BLECK  
- Brain Trauma Foundation Guidelines: Do They Work?  
- Mark D. CIPOLE
### 10:00 A.M. - 12:00 P.M. GRAND BALLROOM

#### Practical Ultrasoundography for the ICU

**Moderator:** Jeff KUVIN

**LEARNING OBJECTIVES**
- Discuss the physiologic underpinnings of hypotension and hemodynamic instability
- Summarize the ultrasound images needed to assess preload and cardiac contractility
- Explain the basic evaluation of cardiac valve structures and major vessels using ultrasound
- Review the images needed for an adequate FAST exam
- Examine the options for ultrasound-guided paracentesis and vascular access

<table>
<thead>
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<th>Time</th>
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<tbody>
<tr>
<td>10:00 a.m. - 10:20 a.m.</td>
<td>Fluid Status and Ventricular Function: The Essentials Andrew J. PATTERSON</td>
</tr>
<tr>
<td>10:25 a.m. - 10:45 a.m.</td>
<td>Valves and Vessels: What a Non-Cardiologist Should Know Jeff KUVIN</td>
</tr>
<tr>
<td>10:50 a.m. - 11:10 a.m.</td>
<td>Focused Assessment with Sonography for Trauma Exam and Paracentesis Jeremy M. GONDA</td>
</tr>
<tr>
<td>11:15 a.m. - 11:35 a.m.</td>
<td>Utilizing Ultrasound During Vascular Access Procedures: Tips and Techniques S. Patrick BENDER</td>
</tr>
<tr>
<td>11:40 a.m. - 12:00 p.m.</td>
<td>Case Presentations: When Ultrasound Really Helps Samuel M. BROWN</td>
</tr>
</tbody>
</table>

### 10:00 A.M. - 12:00 P.M. GENERAL ASSEMBLY B

#### Managing the Wonderful World of Guidelines

**Moderator:** David H. CHONG

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

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:00 a.m. - 10:30 a.m.</td>
<td>Implementing Guidelines 101 Maureen A. SECKEL</td>
</tr>
<tr>
<td>10:30 a.m. - 11:00 a.m.</td>
<td>Guidelines: How Well Are They Being Used? Jaclyn Marie LeBLANC</td>
</tr>
<tr>
<td>11:00 a.m. - 11:30 a.m.</td>
<td>The Dark Side of Checklists David H. CHONG</td>
</tr>
<tr>
<td>11:30 a.m. - 12:00 p.m.</td>
<td>How the House Staff Fit In: Creating a House Staff Quality Council Adam EVANS</td>
</tr>
</tbody>
</table>

### 10:00 A.M. - 12:00 P.M. GENERAL ASSEMBLY C

#### Ongoing Sepsis Controversies

**Moderator:** Josh DOUGLAS

**LEARNING OBJECTIVES**
- Debate the evidence for and against administration of corticosteroids to patients with septic shock
- Discuss the benefits of activated protein C administration in sepsis
- Examine the data suggesting that specific sepsis subpopulations benefit from vasopressin administration
- Evaluate the data supporting use of venous oxygen saturation as a resuscitation endpoint
- Evaluate the data supporting use of serum lactic acid level as a resuscitation endpoint

<table>
<thead>
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<tbody>
<tr>
<td>10:00 a.m. - 10:30 a.m.</td>
<td>The Role of Corticosteroids in Septic Shock Djillali ANNANE</td>
</tr>
<tr>
<td>10:30 a.m. - 11:00 a.m.</td>
<td>Vasopressin: Who Benefits? James A. RUSSELL</td>
</tr>
<tr>
<td>11:00 a.m. - 11:30 a.m.</td>
<td>Superior Vena Cava Saturation Is the Goal! Sean R. TOWNSEND</td>
</tr>
<tr>
<td>11:30 a.m. - 12:00 p.m.</td>
<td>Lactate Clearance: A Better End Point? Josh DOUGLAS</td>
</tr>
</tbody>
</table>

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**Schedule of Events**

**Who Needs Renal Support?**

Supported, in part, by an educational grant from Gambro

**Moderator:** John A. KELLUM

**LEARNING OBJECTIVES**
- Determine the role of early identification in deciding about renal support
- Identify the controversy with regard to governance of renal support technology
- Articulate downstream organ effects of renal support modalities

<table>
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<tr>
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<tr>
<td>10:00 a.m. - 10:30 a.m.</td>
<td>Early Identification of Renal Injury/Failure Andrew D. SHAW</td>
</tr>
<tr>
<td>10:30 a.m. - 11:00 a.m.</td>
<td>Targets for Renal Support Lahkim S. CHAWLA</td>
</tr>
<tr>
<td>11:00 a.m. - 11:30 a.m.</td>
<td>Who Should Provide Renal Support: ICU Versus Nephrology John A. KELLUM</td>
</tr>
<tr>
<td>11:30 a.m. - 12:00 p.m.</td>
<td>Discuss the Impact of Renal Support on Clinical Outcomes Jay L. KOYNER</td>
</tr>
</tbody>
</table>

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**TUESDAY, FEBRUARY 7**

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**SOCIETY OF CRITICAL CARE MEDICINE | 41st CRITICAL CARE CONGRESS PROGRAM**
NEW!
Want to view various posters and view enhanced information on posters in one place? Go to our “E-Posters” section in the poster hall and view enhanced information that authors have added to their original abstract.

Did you know?
Using your smartphone and our 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 to find out more information on that poster. To download the Congress App, go to www.sccm.org/cccm41app

12:00 P.M. - 1:00 P.M. EXHIBIT HALL A3
Professor Walk Rounds
Many categories have been split among multiple Poster Moderators, who will be starting at various posters as listed below, beginning at 12:00 p.m.
> Ethics and End-of-Life (673-678)
> Patient and Family Support (679-683)
> Therapeutics: Drugs and Pharmacokinetics-1 (684-693)
> Therapeutics: Drugs and Pharmacokinetics-2 (694-703)
> Therapeutics: Drugs and Pharmacokinetics-3 (704-713)
> Therapeutics: Drugs and Pharmacokinetics-4 (714-723)
> Therapeutics: Drugs and Pharmacokinetics-5 (724-733)
> Therapeutics: Drugs and Pharmacokinetics-6 (734-744)
> Therapeutics: Other-1 (745-754)
> Therapeutics: Other-2 (755-764)
> Therapeutics: Other-3 (765-774)
> Therapeutics: Other-4 (775-784)
> Therapeutics: Other-5 (785-794)
> Therapeutics: Other-6 (795-805)
> Therapeutics: Other-7 (806-816)
> Therapeutics: Other-8 (817-828)
> Therapeutics: Sedation-1 (829-839)
> Therapeutics: Sedation-2 (840-851)
> Case Reports (852-952)

1:00 P.M. - 1:30 P.M. ROOM 361
Abstract-Based Awards Ceremony

1:30 P.M. - 2:15 P.M. GRAND BALLROOM
• LIFETIME ACHIEVEMENT AWARD WINNER
• PLENARY SESSION
Cardiac Depression in Septic Shock: Three Decades Defining Mechanisms and Management
Joseph E. PARRILLO, MD, FCCM
Professor of Medicine
Cooper University Hospital/UMC
Camden, New Jersey, USA

LEARNING OBJECTIVES
• Review the clinical manifestations of myocardial depression in septic shock
• Explain the mechanisms underlying cardiac dysfunction in sepsis
• Discuss the objectives and strategy in managing cardiac depression during septic shock

2:15 P.M. - 3:15 P.M. EXHIBIT HALL B3
Break

2:30 P.M. - 3:00 P.M. ROOM 361
SCCM Business Meeting

3:30 P.M. - 6:00 P.M. EXHIBIT HALL A3
Poster Board Retrieval
Posters must be taken down between 3:30 p.m. and 6:00 p.m. Those not removed by 6:00 p.m. will be discarded. Materials left behind after 6:00 p.m. are not the responsibility of SCCM, GES Decorating Company or George R. Brown Convention Center.
**Schedule of Events**

**3:15 P.M. - 4:15 P.M.**  
**GENERAL ASSEMBLY C**

**Biomarkers in Decision Making for Antimicrobial Duration**  
**Moderator: Greg S. MARTIN**

**LEARNING OBJECTIVES**
- Describe the utility of serum biomarkers in infection
- Review the emerging role of C-reactive protein in inflammation and as a marker of infection
- Discuss the importance of biomarkers and risk stratification when planning clinical studies in sepsis

3:15 p.m. - 3:35 p.m.  
> Procalcitonin as a Marker of Inflammation in the ICU: Does It Have a Role?  
  Konrad REINHART

3:35 p.m. - 3:55 p.m.  
> Should Procalcitonin or Other Biomarkers Be Used to Assess Need for Antibiotics?  
  Philipp SCHUETZ

3:55 p.m. - 4:15 p.m.  
> Interleukin-8 and Other Biomarkers of Inflammation: Risk Stratification for Future Studies in Septic Shock  
  Hector R. WONG

**ROOM 361**

**3:15 P.M. - 4:45 P.M.**  
**ACCM TOWN HALL**

**Building and Renovating the ICU: Making Sure Our Efforts Are Worth It**  
**Moderator: Michael J. MURRAY, MD, PhD, FCCM**

**LEARNING OBJECTIVES**
- Develop evidence-based appreciation for ICU space needs, functions and trends
- Discuss environmental influences on patients, families and staff
- Understand ICU design as a tool to facilitate enhancement of care

3:15 p.m. - 3:45 p.m.  
> Design Has Come a Long Way: How Far Can It Go?  
  Charles CADENHEAD

3:45 p.m. - 4:15 p.m.  
> The Built Environment as Care Extender  
  Maureen A. HARVEY

4:15 p.m. - 4:45 p.m.  
> The ICU Smart Room: Enhancing Care in Ways We’ve Never Imagined  
  Neil HALPERN

**3:15 P.M. - 4:15 P.M.**  
**ROOM 332**

**Sleep Issues in the Intensive Care Unit**  
**Moderator: E. Wesley ELY**

**LEARNING OBJECTIVES**
- Describe sleep during critical illness
- Assess factors affecting sleep during critical illness and the clinical implications
- Identify interventions that will prevent sleep disruption in the ICU and assess their effectiveness

3:15 p.m. - 3:35 p.m.  
> Determinants of Sleep Disruption in the ICU  
  Kannan RAMAR

3:35 p.m. - 3:55 p.m.  
> Sleep and Delirium in the ICU  
  E. Wesley ELY

3:55 p.m. - 4:15 p.m.  
> Clinical Implications and Interventions to Improve Sleep Quality in the ICU  
  Karen SANDS

**ROOM 342**

**3:15 P.M. - 4:15 P.M.**  
**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
- Utilize information gained from this session to guide clinical nursing practice

3:15 p.m. - 3:45 p.m.  
> Pediatric Literature Review  
  Karin E. REUTER-RICE

3:45 p.m. - 4:15 p.m.  
> Adult Literature Review  
  Khalil M. YOUSEF, Valerie DANESH

**ROOM 351**

**3:15 P.M. - 4:15 P.M.**  
**Controversies in the Pediatric Neurological ICU**  
**Moderator: Katherine V. BIAGAS**

**LEARNING OBJECTIVES**
- Review the current understanding of optimal neurodynamics of intracranial pressure and cerebral perfusion pressure in the pediatric population
- Compare the differences in management of acute brain injury in the pediatric and adult populations
- Examine the implications of hypertonic therapy in the management of acute brain injury

3:15 p.m. - 3:35 p.m.  
> Placement of Intracranial Monitors: Should It Be Done?  
  P. David ADELSON

Continued ➔
Controversies in the Pediatric Neurological ICU, Continued

3:35 p.m. - 3:55 p.m.
> Managing Cerebral Perfusion Pressure in Children: High or Low? What Should the Age-Related Norms Be?
  Mark WAINWRIGHT
3:55 p.m. - 4:15 p.m.
> Sodium Management in the Head-Injured Child: Do You Need to Run Them High?
  Jamie S. HUTCHISON

3:15 P.M. - 4:15 P.M.  ROOM 372
Joint SCCM/ESICM Session
Moderators: Pamela A. LIPSETT, Andrew RHODES

LEARNING OBJECTIVES
• Determine the roles of the neuroendocrine system in sepsis
• Compare and contrast methods for hemodynamic monitoring in sepsis
• Identify immunosuppression in septic patients
• Utilize appropriate methods to protect the gut in critical illness

3:15 p.m. - 3:30 p.m.
> Sepsis/Multisystem Organ Failure as a Neuroendocrine Disorder
  Clifford S. DEUTSCHMAN
3:30 p.m. - 3:45 p.m.
> Hemodynamic Monitoring in Sepsis in the ICU: What Is Best?
  Andrew RHODES
3:45 p.m. - 4:00 p.m.
> Basic Facts of Immunosuppression in Sepsis
  Jean-Daniel CHICHE
4:00 p.m. - 4:15 p.m.
> Can We Protect the Gut in Critical Illness?
  Craig M. COOPERSMITH

3:15 P.M. - 4:15 P.M.  ROOM 362
Novel Mediators of Inflammation and Injury
Moderator: Raj ANEJA, Judith HELLMAN

LEARNING OBJECTIVES
• Describe the role and function of inflamasomes in innate immunity
• Review the pathological role of PD-1 in sepsis-induced lethality

4:30 p.m. - 4:50 p.m.
> Bacterial Lipoproteins and Toll-like Receptor 2 in Sepsis-Induced Endothelial Leak and Coagulopathy
  Judith HELLMAN
4:50 p.m. - 5:10 p.m.
> C-peptide: Novel Inhibitor of Lung Inflammation
  Basilia ZINGARELLI
5:10 p.m. - 5:30 p.m.
> PD-1: A New Potential Target in Sepsis
  Alfred AYALA

3:15 P.M. - 4:15 P.M.  GRAND BALLROOM
INTERACTIVE SESSION

On the Cutting Edge of Sepsis Research
Moderator: R. Phillip DELLINGER

LEARNING OBJECTIVES
• Discuss the role of immunoglobulin therapy in septic patients
• Debate whether sepsis clinical trials should be led by industry or individuals

3:15 p.m. - 3:45 p.m.
> Immunoglobulins in Sepsis: The Adult Data
  Herwig GERLACH
3:45 p.m. - 4:15 p.m.
> Should Sepsis Trials Be Led by Industry?
  Jean-Louis VINCENT

3:15 P.M. - 4:15 P.M.  GENERAL ASSEMBLY A
Learning from Our Mistakes: Establishing a Safety Culture in the ICU
Moderator: Sandra L. KANE-GILL

LEARNING OBJECTIVES
• Discuss ways to engage physicians and nurses in quality improvement and patient safety
• Discuss how to establish a learning culture in the ICU to create a high-reliability organization (HRO)

3:15 p.m. - 3:35 p.m.
> The Hospital as an HRO
  Michael C. BANKS
3:35 p.m. - 3:55 p.m.
> Saying Sorry When You Are Wrong: The Disclosure of Medical Errors in an Age of Transparency
  Robert D. TRUOG
3:55 p.m. - 4:15 p.m.
> Making Systematic Changes Using Adverse Drug Event Data
  Sandra L. KANE-GILL
Schedule of Events

3:15 P.M. - 4:15 P.M.  GENERAL ASSEMBLY B

Addressing Health Disparities in the ICU
Moderator: Greg S. MARTIN
LEARNING OBJECTIVES
- Describe identified disparities in ICU patients
- Identify the potential for disparities in disease incidence, patient management and clinical outcomes
- Develop strategies to minimize the occurrence of clinical disparities

3:15 p.m. - 3:35 p.m.
> Defining and Recognizing Health Disparities
  J. Daryl THORNTON

3:35 p.m. - 3:55 p.m.
> Minimizing Health Disparities
  Gregory E. KERR

3:55 p.m. - 4:15 p.m.
> Roundtable Discussion: Where Do We Need to Go and How Do We Get There?
  Gregory E. KERR

4:30 P.M. - 5:30 P.M.  GRAND BALLROOM

Late Breaker
Moderator: Ronald G. PEARL
LEARNING OBJECTIVES
- Examine the rationale for withdrawing an approved drug when new evidence comes to light
- Compare research funding for critical care
- Review the evidence for sepsis-induced loss of central nervous system (CNS) control mechanisms
- Review the evidence for Sepsis-induced loss of CNS Control Mechanisms

4:30 p.m. - 4:50 p.m.
> Prowess-Shock and the Decision to Withdraw Xigris from the Market
  B. Taylor THOMPSON

4:50 p.m. - 5:10 p.m.
> A Comparison of Critical Care Research Funding and the Financial Burden of Critical Illness in the United States
  Craig M. COOPERSMITH

5:10 p.m. - 5:30 p.m.
> Central Oxyxin A Injection Alters Autonomic Responses After Cecal Ligation and Puncture in Mice: Evidence for Sepsis-Induced Loss of CNS Control Mechanisms
  Clifford S. DEUTSCHMAN

4:30 P.M. - 5:30 P.M.  ROOM 332

Genomics in the ICU: Bench to Bedside, Continued
Moderator: Vinay M. NADKARNI
LEARNING OBJECTIVES
- Discuss why coronary artery bypass is preferable to aavidin-biotin complex
- Recognize why hands-only bystander cardiopulmonary resuscitation (CPR) is so effective
- Define the basis for the CPR mantra

4:30 p.m. - 5:30 p.m.
> Lessons from 50 Years of Cardiopulmonary Resuscitation: Go with the Flow
  Robert A. BERG

4:30 P.M. - 5:30 P.M.  ROOM 342

Orientation Models for Advanced Practice Nurses
Moderator: Lauren R. SORCE
LEARNING OBJECTIVES
- List the challenges of orientation models in practice
- Discuss the orientation of new graduate advanced practice nurses (APNs) and their unique needs
- Discuss current standards for selecting APNs for different roles

4:30 p.m. - 5:30 p.m.
> Orientation Models: Challenges and Controversies
  Lauren R. SORCE

4:50 p.m. - 5:10 p.m.
> Orientation for the New Graduate APN
  Lisa M. MILONOVOIC

5:10 p.m. - 5:30 p.m.
> Hiring Nurse Practitioners for My ICU: Selecting the Right Fit for the Right Work
  Michael ACKERMAN
Emerging Noninvasive Technologies in the Pediatric ICU

Moderator: Mark E. ROWIN

**Learning Objectives**
- Examine the use of noninvasive monitoring
- Discuss the applicability of bedside ultrasound in the pediatric ICU
- Review emerging uses of optics for the imaging of biologic processes

4:30 p.m. - 4:50 p.m.
> Near-Infrared Spectroscopy: 21st Century Monitoring?
  Rainer G. GEDEIT

4:50 p.m. - 5:10 p.m.
> Use of Bedside Ultrasound in the Pediatric ICU for More Than Just Vascular Access
  Marvin N. HALL

5:10 p.m. - 5:30 p.m.
> Optics in Pathobiology: A New Tool in the ICU
  David BENARON

Year in Review: Internal Medicine

Moderator: Nicholas S. WARD

**Learning Objectives**
- Discuss internal medicine-based research published over the previous year
- Apply the literature to critical care medicine

4:30 p.m. - 5:30 p.m.
> Literature Review
  Laura E. EVANS, Jason M. ALIOTTA

Customizing Patient Medications to Prevent Adverse Drug Events

Moderator: Mitchell S. BUCKLEY

**Learning Objectives**
- Review when intravenous fluid administration is necessary and what fluids to give
- Review the Beers Criteria of medications and impact on older, ventilated patients
- Review the parameters for anticoagulation therapy

4:30 p.m. - 4:50 p.m.
> To Give Intravenous Fluids or Not, and What to Give
  Katherine E. BURENHEIDE

4:50 p.m. - 5:10 p.m.
> Beers Criteria Helps to Prevent ICU Delirium
  Mehrnaz PAJOMAND

5:10 p.m. - 5:30 p.m.
> Anticoagulants: When to Give and When to Hold
  Scott BOLESTA

Optimizing Critical Care Delivery

Moderator: Andrew J. PATTERSON

**Learning Objectives**
- List the challenges at the hospital level to optimal delivery of critical care
- Discuss the advantages and disadvantages of creating a hospital-based Critical Care Center to improve care delivery
- Define reanimation and health engineering and assess their potential to improve the value of critical care

4:30 p.m. - 4:50 p.m.
> Comparative Effectiveness Research
  Hannah WUNSCH

4:50 p.m. - 5:10 p.m.
> Regionalized Care
  Timothy G. BUCHMAN

5:10 p.m. - 5:30 p.m.
> Critical Care Centers: Engineering Health
  J. Perren COBB

United States Critical Illness and Injury Trials

Moderator: Jonathan E. SEVRANSKY

**Learning Objectives**
- Identify community input for a national strategic plan for clinical research
- Describe the impact of standardized tracheostomy practice on patient-centered outcomes

4:30 p.m. - 4:50 p.m.
> Overview and Update
  J. Perren COBB

4:50 p.m. - 5:10 p.m.
> Critical Illness Outcomes Study
  Jonathan E. SEVRANSKY

5:10 p.m. - 5:30 p.m.
> Impact of Standardized Tracheostomy Practice on Patient-Centered Outcomes
  Peter MORRIS

ACCM Business Meeting

See page 16 for all ACCM activities.
**WEDNESDAY, FEBRUARY 8, 2012**

**8:15 A.M. - 9:00 A.M.** GRAND BALLROOM

- PLENARY SESSION
- MAX HARRY WEIL HONORARY LECTURE

Surviving Sepsis: The Road Less Traveled?

**Niranjan KISSOON, MD, FCCM**

Vice President Medical Affairs
British Columbia Children’s Hospital
Associate Head and Professor
University of British Columbia
Vancouver, British Columbia, Canada

**LEARNING OBJECTIVES**
- Identify the unique challenges in resource-limited environments
- Examine opportunities for improving outcomes

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**9:00 A.M. - 9:30 A.M.** GRAND BALLROOM FOYER

Break

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**9:30 A.M. - 10:30 A.M.** ROOM 342

Critical Illness Endocrinopathy: Friend or Foe?

**Moderator: Douglas B. COURSIN**

**LEARNING OBJECTIVES**
- Discuss hypophyseal-pituitary-adrenal function in the critically ill
- Debate whether euadrenal sick syndrome and critical illness-related corticosteroid insufficiency exist

9:30 a.m. - 10:00 a.m.
> Assessing Stress and Distress in the Critically Ill
  Mervyn SINGER

10:00 a.m. - 10:30 a.m.
> Why Isn’t Critical Illness-Related Corticosteroid Insufficiency Euadrenal Sick Syndrome?
  Steven GREENBERG

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**9:30 A.M. - 10:30 A.M.** ROOM 351

The Pediatric ICU as a Business Model: Is It Financially Viable?

**Moderator: Mark E. ROWIN**

**LEARNING OBJECTIVES**
- Discuss how a small pediatric ICU can be financially viable in the current economic times
- Review cost-saving measures that can be utilized in the pediatric ICU without affecting patient care
- Assess how healthcare reform might affect reimbursement

Continued ➔

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**9:30 A.M. - 10:00 A.M.** GENERAL ASSEMBLY C

**Controversies in ICU Infection and Immunity**

**Moderator: Joseph M. SWANSON**

**LEARNING OBJECTIVES**
- Assess the occurrence of nosocomial infections and its relationship to host immunity
- Apply the evidence for using anti-retroviral therapy in critically ill patients with human immunodeficiency virus/acquired immunodeficiency syndrome
- Discuss the role of tigecycline in critically ill patients

9:30 a.m. - 9:50 a.m.
> Cytomegalovirus in Critical Illness: Real Pathogen or Epiphenomena?
  Ajit LIMAYE

9:50 a.m. - 10:10 a.m.
> Rational Use of Anti-Retroviral Therapy in the ICU
  Alison MORRIS

10:10 a.m. - 10:30 a.m.
> When Should We Be Using Tigecycline?
  Joseph M. SWANSON

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**9:30 A.M. - 11:30 A.M.** ROOM 332

**Recent Developments in Nutrition Support and Clinical Applications**

**Moderator: Bryan A. COTTON**

**LEARNING OBJECTIVES**
- Interpret the results of recent trials regarding pharmaconutrients and parental nutrition
- Identify the clinical controversies surrounding pharmaconutrition and parental nutrition
- Integrate results from studies into practice

9:30 a.m. - 10:00 a.m.
> Glutamine and Arginine: Clinical Application of Study Results
  Paul WISCHMEYER

10:00 a.m. - 10:30 a.m.
> Omega-3 Fatty Acids in Acute Lung Injury: Panacea or Something Fishy
  Todd RICE

10:30 a.m. - 11:00 a.m.
> Antioxidants
  Bryan A. COTTON

11:00 a.m. - 11:30 a.m.
> The Pros, Cons, and Application of Parenteral Nutrition
  Roland N. DICKERSON
Clinical Applications of Stress Ulcer Prophylaxis

Moderator: Douglas F. NAYLOR Jr.

LEARNING OBJECTIVES
- Delineate risk factors requiring prophylaxis
- Compare and contrast agents in terms of efficacy and side effects
- Implement strategies for rationale use of prophylaxis

9:30 a.m. - 9:40 a.m.
> Who Should Receive Stress Ulcer Prophylaxis and Why?
  Douglas F. NAYLOR Jr.

9:45 a.m. - 10:05 a.m.
> Which Class of Agents Is the Most Effective, and Does Method of Administration Matter?
  Robert MacLAREN

10:10 a.m. - 10:40 a.m.
> What Adverse Events Need to Be Considered and Why?
  Jill A. REBUCK

10:45 a.m. - 11:05 a.m.
> When Should Prophylaxis Stop?
  Richard H. SAVEL

11:10 a.m. - 11:30 a.m.
> A Practical Approach to the Rationale Use of Stress Ulcer Prophylaxis
  Henry COHEN

Hypercoagulopathy and Hypocoagulopathy

Supported, in part, by an educational grant from The Medicines Company

Moderator: William E. DAGER

LEARNING OBJECTIVES
- Review how to diagnose and treat hypercoagulable disorders in the ICU
- Discuss the causes of ICU-related non-heparin-induced thrombocytopenia (HIT)
- Discuss the diagnosis and treatment of HIT

9:30 a.m. - 10:00 a.m.
> Hypocoagulable States in the ICU: Diagnosis and Management
  Mark D. CIPOOLLE

10:00 a.m. - 10:30 a.m.
> Diagnosing the Causes of ICU-Related, Non-HIT Thrombocytopenia
  Janice L. ZIMMERMAN

10:30 a.m. - 11:00 a.m.
> Diagnosis and Risk Factors for HIT
  Lena M. NAPOLITANO

11:00 a.m. - 11:30 a.m.
> Anticoagulation Strategies for HIT
  William E. DAGER

Acute Lung Injury and Acute Respiratory Distress Syndrome

Moderator: Polly E. PARSONS

LEARNING OBJECTIVES
- Identify the risk factors that predispose persons for the development of acute lung injury (ALI) and its progression to acute respiratory distress syndrome (ARDS)
- Describe the current pathophyslogic basis behind the development and progression of ALI to ARDS
- Explain the epidemiology of transfusion-related acute lung injury, including its diagnosis, incidence and risk factors
- Recognize the clinical implications of the Lung Injury Prediction Score (LIPS) and its application for the identification of patients at high risk for ARDS
- Assess the evidence behind the use of non-invasive positive pressure ventilation in patients with ALI

9:30 a.m. - 9:50 a.m.
> Diagnosis of Acute Lung Injury
  Polly E. PARSONS

9:55 a.m. - 10:15 a.m.
> What We Know about the Mechanisms of ARDS and ALI
  R. Blaine EASLEY

10:20 a.m. - 10:40 a.m.
> Transfusion-Related ALI: Epidemiology, Diagnosis and Prognosis
  R. Phillip DELLINGER

10:45 a.m. - 11:05 a.m.
> Prevention of ARDS
  Ognjen GAJIC

11:10 a.m. - 11:30 a.m.
> Noninvasive Positive Pressure Ventilation for ALI
  Nicholas S. HILL
Schedule of Events

9:30 A.M. - 11:30 A.M.  GENERAL ASSEMBLY A

Therapeutic Temperature Management

Moderator: Christine A. WIJMAN

LEARNING OBJECTIVES
- Summarize the indications and various modalities available for inducing hypothermia
- Identify the physiological and pharmacological consequences of hypothermia and rewarming
- Discuss the impact of inducing and maintaining hypothermia on nursing workload

9:30 a.m. - 9:50 a.m.
> Who Should Be Cooled? Indications for Inducing Hypothermia in the ICU
  Christine A. WIJMAN

9:55 a.m. - 10:15 a.m.
> The “How-To” of Achieving Hypothermia: Clinical Pearls
  Neeraj BADJATIA

10:20 a.m. - 10:40 a.m.
> Pharmacological Considerations in Patients Undergoing Therapeutic Hypothermia
  Samuel M. POLOYAC

10:45 a.m. - 11:05 a.m.
> Rewarming: Pitfalls and Problems
  Michael J. BELL

11:10 a.m. - 11:30 a.m.
> Cooling from a Nursing Perspective
  Mary Kay BADER

9:30 A.M. - 11:30 A.M.  GENERAL ASSEMBLY B

Establishing a Critical Care Ultrasound Service

Moderator: Samuel M. BROWN

LEARNING OBJECTIVES
- Identify the utility of critical care echocardiography
- Discuss the options for training and privileging of critical care echocardiographers
- Discuss the requirements for billing for critical care echocardiography
- Describe the indications for non-cardiac ultrasonography in the ICU

9:30 a.m. - 10:00 a.m.
> Critical Care Echocardiography
  Samuel M. BROWN

10:00 a.m. - 10:30 a.m.
> Creating an ICU Ultrasound Teaching Program
  Anne-Sophie BERAUD

10:30 a.m. - 11:00 a.m.
> Establishing a Critical Care Echocardiography Service and Billing
  Achikam OREN-GRINBERG

11:00 a.m. - 11:30 a.m.
> Non-Cardiac Ultrasound in the ICU
  Colin K. GRISSOM

10:30 A.M. - 11:30 A.M.  ROOM 342

Management of Status Epilepticus

Moderator: Gretchen M. BROPHY

LEARNING OBJECTIVES
- Apply the newly published guidelines to the management of patients with status epilepticus
- Review newer options such as levetiracetam and lacosamide, including dosing strategies
- Discuss the role of therapeutic hypothermia in the management of refractory status epilepticus

10:30 a.m. - 10:50 a.m.
> Guideline Update
  Gretchen M. BROPHY

10:50 a.m. - 11:10 a.m.
> Case-Based Presentation of Non-Conventional Medications Used to Treat Refractory Status
  Karen McALLEN

11:10 a.m. - 11:30 a.m.
> Non-Pharmacological Treatment of Refractory Status Epilepticus
  Jesse J. CORRY

10:30 A.M. - 11:30 A.M.  ROOM 351

Pediatric Sepsis in 2012

Moderator: Derek S. WHEELER

LEARNING OBJECTIVES
- Discuss the current evaluation and management of pediatric septic shock
- Discuss the late morbidity and mortality rates attributable to pediatric sepsis

10:30 a.m. - 10:50 a.m.
> Early Goal-Directed Therapy in Pediatric Sepsis
  Derek S. WHEELER

10:50 a.m. - 11:10 a.m.
> Monitoring the Critically Ill Child with Septic Shock
  Raj ANEJA

11:10 a.m. - 11:30 a.m.
> Late Outcomes Following Pediatric Sepsis
  Jerry J. ZIMMERMAN

10:30 A.M. - 11:30 A.M.  GENERAL ASSEMBLY C

Super Bugs

Moderator: Marin H. KOLLEF

LEARNING OBJECTIVES
- Describe the emergence of resistant organisms in the ICU
- Review the importance of Clostridium difficile as a new pathogen in the pediatric population
- Discuss the role of staphylococcal virulence factors and disease progression

10:30 a.m. - 10:50 a.m.
> Hypervirulent Clostridium difficile
  Mark E. ROWIN

10:50 a.m. - 11:10 a.m.
> Klebsiella
  Henry MASUR

11:10 a.m. - 11:30 a.m.
> Methicillin-Resistant Staphylococcus aureus: Virulence Factors and Morbidity
  Marin H. KOLLEF
With the power of visual medicine, you can make faster, better-informed clinical decisions that can improve patient outcomes.

Ultrasound examinations in the critical care setting are increasingly in demand because of equipment portability, ease of use and ability to provide immediate, accurate evaluations.

Advances in ultrasound technology continue to improve imaging capabilities, leading to ever-expanding applications.

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

All awards will be presented in conjunction with SCCM’s 41st Critical Care Congress in Houston, Texas, USA. The 2012 non-abstract based awards will be presented during the American College of Critical Care Medicine (ACCM) Convocation/SCCM Awards Presentation on Monday, February 6, 2012, at 6:00 p.m. in the Lanier Grand Ballroom G of the Hilton Americas-Houston. The abstract-based awards will be presented on Tuesday, February 7, 2012, from 1:00 to 1:30 p.m. in Room 361 of the George R. Brown 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!

<table>
<thead>
<tr>
<th>Award Recipients</th>
<th>U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES AND THE CRITICAL CARE SOCIETIES COLLABORATIVE NATIONAL AWARDS PROGRAM TO RECOGNIZE ACHIEVEMENTS IN ELIMINATING HEALTHCARE-ASSOCIATED INFECTIONS</th>
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<td>ASMUND S. LAERDAL MEMORIAL LECTURE AWARD</td>
<td>Awards and Grant Recipients</td>
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<td>Achievements in Eliminating Ventilator-Associated Pneumonia and Central Line-Associated Bloodstream Infections</td>
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<tr>
<td>BARRY A. SHAPIRO MEMORIAL AWARD FOR EXCELLENCE IN CRITICAL CARE MANAGEMENT</td>
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<td>Sponsor: Society of Critical Care Medicine and Generous Donors to the Barry A. Shapiro Memorial Award Fund</td>
<td>• Baptist Memorial Hospital-Memphis, Memphis, Tennessee, USA</td>
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<tr>
<td>Emanuel P. RIVERS, MD, MPH</td>
<td>• Beth Israel Deaconess Medical Center, Boston, Massachusetts, USA</td>
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<tr>
<td>CHAPTERS AND AFFILIATES ALLIANCE EXCELLENCE AWARD</td>
<td>Achievements in Eliminating Central Line-Associated Bloodstream Infections</td>
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<tr>
<td>Sponsor: The Chapters and Affiliates Alliance</td>
<td>Outstanding Leadership Award</td>
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<tr>
<td>The Carolinas/Virginius Chapter</td>
<td>• HealthPark Medical Center Open Heart Intensive Care Unit, Ft. Meyers, Florida, USA</td>
</tr>
<tr>
<td>DISTINGUISHED INVESTIGATOR AWARD</td>
<td>• Lehigh Valley Health Network, Allentown, Pennsylvania, USA</td>
</tr>
<tr>
<td>Sponsor: American College of Critical Care Medicine</td>
<td>• Yale-New Haven Children’s Hospital, Newborn Special Care Unit, New Haven, Connecticut, USA</td>
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<tr>
<td>Robert M. KACMAREK, RRT, PhD, FCCM</td>
<td>Sustained Improvement Award</td>
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<tr>
<td>DISTINGUISHED SERVICE AWARD</td>
<td>• Children’s National Medical Center, Washington, DC, USA</td>
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<tr>
<td>Sponsor: Society of Critical Care Medicine</td>
<td>• Howard County General Hospital, Baltimore, Maryland, USA</td>
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<tr>
<td>Thomas P. BLECK, MD, FCCM</td>
<td>Achievements in Eliminating Ventilator-Associated Pneumonia</td>
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<tr>
<td>Edward E. CONWAY Jr., MD, MS, FCCM</td>
<td>Outstanding Leadership Award</td>
</tr>
<tr>
<td>Judith JACOBI, PharmD, BCPS, FCCM</td>
<td>• Johnson City Medical Center, Johnson City, Tennessee, USA</td>
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<tr>
<td>Timothy S. YEH, MD, FCCM</td>
<td>• University Hospital, Augusta, Georgia, USA</td>
</tr>
<tr>
<td>DR. JOSEPH AND RAE BROWN AWARD</td>
<td>Sustained Improvement Award</td>
</tr>
<tr>
<td>Sponsor: The Pennsylvania Chapter of the Society of Critical Care Medicine</td>
<td>• Carolinas Medical Center, Neuro Surgical Intensive Care Unit, Charlotte, North Carolina, USA</td>
</tr>
<tr>
<td>Joseph L. NATES, MD, MBA-HCA, FCCM</td>
<td>• Saint Anne’s Hospital, Fall River, Massachusetts, USA</td>
</tr>
<tr>
<td>FAMILY-CENTERED CARE AWARD</td>
<td>Research Grant Recipients</td>
</tr>
<tr>
<td>Sponsor: Society of Critical Care Medicine</td>
<td>NORMA J. SHOEMAKER GRANT FOR CRITICAL CARE NURSING RESEARCH</td>
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<tr>
<td>University of Michigan Hospital and Health System</td>
<td>Sponsor: Hill-Rom Lisa KOHR, RN, MSN, CRNP-AC/PC, MPH, PhD(c), CCRN</td>
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<tr>
<td>Surgical Intensive Care/Rapid Response Nursing Team Unit Ann Arbor, Michigan, USA</td>
<td>Promoting Physiologic Stability in High Risk Infants: A Cardiac Intensive Care Unit Environmental Care Bundle</td>
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<tr>
<td>GRENVIK FAMILY AWARD FOR ETHICS</td>
<td>SCCM VISION GRANT</td>
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<tr>
<td>Sponsor: Grevnik Family Memorial Fund</td>
<td>Sponsor: Society of Critical Care Medicine Selma M. PARRY, B.Physio (Hons)</td>
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<tr>
<td>Douglas B. WHITE, MD</td>
<td>An Early Intervention to Prevent Muscle Weakness in Intensive Care: A Pilot Randomized Controlled Trial</td>
</tr>
</tbody>
</table>

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

Foothills Medical Centre Multisystem Intensive Care Unit Calgary, Alberta, Canada |

Architect: DIALOG Calgary, Alberta, Canada |

LIFETIME ACHIEVEMENT AWARD |
Sponsor: Society of Critical Care Medicine Joseph E. PARRILLO, MD, FCCM |

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Sponsor: Society of Critical Care Medicine Diane BYRUM, RN, MSN, CCRN, CCNS, FCCM |

SHUBIN-WEIL MASTER CLINICIAN/TEACHER: EXCELLENCE IN BEDSIDE TEACHING AWARD |
Sponsor: Society of Critical Care Medicine Paul L. ROGERS, MD |

CLINICAL PRACTICE GUIDELINE FOR NEUROLOGICAL DEATH IN CHILDREN: |
Sponsor: American College of Critical Care Medicine Thomas A. NAKAGAWA, MD, FCCM (Chair), Task Force members: Stephen ASH-MV, MD; Madhi MATHUR, MD; Mohan R. MYSORE, MD, MB, FCCM; Derek BRUCE, MD; Edward E. CONWAY Jr., MD, MS, FCCM; Susan E. DUTHIE, MD; Rick E. HARRISON, MD; Andrea M. KLINE, RN, MS, FCCM; Daniel J. LEBOVITZ, MD; Maureen A. MADJIAN, MSN, PCCNP, FCCM; Vicki L. MONTGOMERY, MD, FCCM; Jeffrey PERLMAN, MD; Nancy K. ROLLINS, MD; Sam D. SHEME, MD; Amit VOKRA, MD; Jacqueline A. WILLIAMS-PHILLIPS, MD, FCCM |

INTENSIVE AND CRITICAL CARE NURSING (ICCN) AWARD |
Sponsor: Intensive and Critical Care Nursing Robin PROFFITT, RN, MSN, MBA, APN, CCNS, CCRN |

#443 Use of a Clinical Nurse Specialist to Decrease Code Calls: Evaluation and Outcomes
Society of Critical Care Medicine Honors the 2012 Award and Grant Recipients

2012 Presidential Citation Award Recipients

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SCCM Section Awards, Grants and Scholarship

BURCHARDI AWARD
Sponsor: Anesthesiology Section of the Society of Critical Care Medicine and the Society of Critical Care Anesthesiologists
Andrea GABRELLI, MD, FCCM

CLINICAL PHARMACY AND PHARMACOLOGY SECTION MEDICATION SAFETY AWARD
Sponsor: Clinical Pharmacy and Pharmacology Section of the Society of Critical Care Medicine
Mitchel S. BUCKLEY, PharmD, BCPS, FCCM

Impact of a Pharmacist-Conducted Admission Medication Reconciliation Program on Unintended Medication Discrepancies

CLINICAL PHARMACY AND PHARMACOLOGY SECTION TECHNOLOGY AWARD
Sponsor: Clinical Pharmacy and Pharmacology Section of the Society of Critical Care Medicine
Sandra L. KANE-GILL, PharmD, MSc, FCCM

Impact of Simulation-Based Learning on Medication Error Rates in Critically Ill Patients

CLINICAL PHARMACY AND PHARMACOLOGY SECTION TRAVEL GRANT
Sponsor: Clinical Pharmacy and Pharmacology Section of the Society of Critical Care Medicine
Dwosyn AKAJIABOR, PharmD

#7839 The Incidence of Acute Renal Failure (ARF) with Intravenous Colistin (Colistimethate Sodium) and Polymyxin B at a Tertiary Care Medical Center

EMERGENCY MEDICINE SECTION TRAVEL GRANT
Sponsor: Emergency Medicine Section of the Society of Critical Care Medicine
Brain FULLER, MD

#33 Increasing Weight Is Predictive of Vancocyn Cosing Inaccuracy in Patients Admitted to the Intensive Care Unit

Continued on page 88
SCCM Honors the 2012 Award and Grant Recipients

2012 Abstract-based Awards

IN-TRAINING AWARD
Siarhei SLINKO, MD
52 Combined Zinc Supplementation With C-Peptide Treatment Modulates the Inflammatory Response in Polymicrobial Sepsis

YOUNG INVESTIGATOR AWARD
Adam M. DEANE, MD
40 The Effects of Erythromycin on Nutrient Absorption and Small Intestinal Transit in the Critically Ill

ANNUAL SCIENTIFIC AWARDS
1 Activation of Poly(ADP-Ribose) Polymerase-1 Contributes to NAD+ Depletion and Impaired NAD+ Dependent Mitochondrial Respiration Following Status Epilepticus
Y-Chen LIAI, MD; Rebecca SEALR, BA; William CRAGEN, MD; Anne E. ANDERSON, MD
2 In Vivo Evolution of Microvascular Inflammation After Traumatic Brain Injury: An Intravital Microscopy Study
Shengui LI, MD; Joshua A. MARKS, MD; Peijun SUN, BS; Rachel EISENSTADT, BS; Wanfeng GONG, MS, MD; Kevin BROWN, Douglas SMITH, MD; Lance B. BECKER, MD; Jose L. FASCUAL, MD, PhD
16 Early Innate Immune Function Predicts Outcomes From Pediatric Critical Illness
Ryan A. NOZIGER, MD; Jennifer A. MUSZYNSKI, MD; Jeyotina NATERI, MD; Lisa HANSON, BS; Kristin GRIATHOUSE, MD; Lisa STEELE, BS; David J. MARQUARDT, MD; Mark W. HALL, MD
21 Mitochondrial Targeting of Antioxidants With Anti-Apoptotic Action in Pediatric Asphyxial Cardiac Arrest
Sophia MT BAERT, BA; Jing H, PhD; Peter WPP, PhD; Robert S.B. CLARK, PhD; Henry ALEXANDER, BS; Patrick M. KOCHANEK, MD; FCCM; Valerian KAGAN, PhD; Huyla BATIR, MD
15 The Challenge of Assessing Symptoms in Seriously Ill ICU Patients: Can Proxy Reporters Help?
Kathleen A. PUNTILLO, RN, DNSc; John NEUHAUS; Shoshana ARAI, RN, CCRN, PhD; STEPHEN, PhD; Michael A. GROPHER, MD, PhD; Neal M. COHEN, MD, MPH, FCCM; Christine A. MASSOWSKY, PhD
41 The Influence of Pre-Hospital Systemic Corticosteroid Use on Development of Acute Lung Injury and Hospital Outcomes
Liudmila V. KARANTOVSKAYA, MD; Augustine S. LEE, MD; Ognyen GAJIC, MD; Enn FESTIC, MD
42 MFG-E8 Attenuates Neutrophil Infiltration Via Down-Regulation of CXCR2 in Acute Lung Injury
Monowar AIZU, PhD; Akhiva MATSUUDA, MD; Weng-Lang YANG, PhD; Asja JACOB, PhD; Ping WANG, MD, MS
61 In-House Attending Coverage Does Not Adversely Impact Pediatric Critical Care Fellow Autonomy
Kyle REIDER, MD; Ira M. CHEIFETZ, MD, FCCM; David A. TURNER, MD
100 The Impact of an Intensive Care Unit Sleep Promotion Program on Patient Satisfaction and Delirium Prevalence
Dennis RUMMELHART, MSN; Hily M. SCHELL-CHAPLE, RN, MS, CCRN, CNS

SPECIALTY AWARDS
ADMINISTRATION
130 Do Socioeconomic Disparities Impact 30 Day Readmis- sion for SICU Patients?
Manasa CUMBAA, MD; Ian S. RUBINFELD, MBA, MD, FCCM; Lisa TARK, MD; Aiyansh NARAYANA, DO; Peter G. PERAKS, MD; Dionne BLYDEN, MD; H. Mathilda HORST, MD, FCCM
BURNS/TRAUMA
106 Risk Assessment Profile to Screen for Venous Thrombo- embolism in Trauma Patients
Chad M. THORSON, MD; Mark L. RYAN, MD; Nicholas NAMIAS, MD, MBA, FCCM; Christian A. OTERO, MD; Thai VU, MD; Ronald J. MANNING, RN, MSPh; David M. ANDREWS, MD; Alan S. LIVINGSTONE, MD; Kenneth G. PROCTOR, PhD
CARDIOVASCULAR
57 Innovative Continuous Non-invasive Cuffless Blood Pressure Monitoring Based on Plesythysmography Technology
Jesus CABALLERO, MD; Juan Carlos RUIZ-RODR, GUEZ, MD; Ovid SOL, MD, MOARLES, MD, Vicent RIBAS; Adolfo RUIZ-SANMARTIN, MD; Miriam DE. NADA, MD; Elia CASALS; Jordi RELLIO, MD, PhD
CELL BIOLOGY
149 Molecular Expression of Proteins Involved in the Neuroprotective Effects of Erthropoietin (EPO) After Experimental Traumatic Brain Injury (TBI)
Janyne CRIUZ NAVARRO, MD; Lucido L. POWCE, MD; Leela CHERIAN, PhD; Mai VAI, MD; Hector U. SAUCEDO, MD; J. GOODMAN, MD; Claudia S. ROBERTSON, MD, FCCM
CPR
22 Simple Stepwise Adjuncts Improve Duration of AHA Guideline-Compliant Chest Compressions and Reduce Resuscitative Fatigue
Shirley D. VITER, MD; Michael G. McBride, PhD; Robert M. SUTTON, MD; Frances M. NADEL, MD, MSCE; Dana E. NILES, MS; Akira NISHISAKI, MD; Xuemei ZHANG, MS; Stephen M. PARDON, MD; Robert A. BERG, MD, FCCM; Vinay M. NADKARNI, MD, FCCM
EDUCATION
103 The Benefit of a Standardized Simulation-Based Approach in Teaching Ultrasound-Guided Central Venous Access
Tonya JAGNEAUX, MD; Terrell CAFFERTY, MD; Glenn JONES, PhD
ENDOCRINE
51 Glucose Tolerance and the Hypermetabolic Response to Insulin Treatment in a Rat Burn and Disuse Model
Heather F. PIDCOKE, MD, MS; Lisa A. BAER, MS; Xiaoxu WU, MD; Steven E. WOLF, MD; Charles E. WADE, PhD
EPIDEMIOLOGY/OUTCOMES
54 Development and Validation of Severe Hypoxemia Related ICU Mortality Prognostic Model (Shrimp) in 1000 Me- chanically Ventilated Patients with Refractory Hypoxemia
Sonal E. RACHMALE, MD; Pablo MORENO FRANCO, MD; Guangli LI, MD; Gregory WILSON, RRT; Ognyen GAJIC, MD
ETHICS
29 Do Personal Preferences for Life-Sustaining Treatments Influence Medical Decision Making Among Pediatric Intensivists?
Jennifer S. NEEDLE, MD; Richard A. MULARSKI, MS, MHS; Thuat T. NGUYEN, MD, Enk FROMM
GI/NUTRITION
49 Fibroconnectin-Integrin Interaction: Role in K-glutamine’s Intracellular Transport and in its Molecular Cytoprotective Mechanisms in Heat Stress Intestinal Epithelial-6 cells
Stefanie NIEDERLECHNER, MS; Jelena KLAWITTER, PhD; Uwe CHRISTIAN, MD, PhD; Paul WISCHMUEYER, MD

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SCCM Section Awards, Grants and Scholarship

IN-TRAINING SECTION
TRAVEL GRANT
Sponsor: In-Training Section of the Society of Critical Care Medicine
Ma Bernandita GAMALLO, MD
#43 Role of MMP-8 in Bacterial Pneumonia

NEUROSCIENCE SECTION
TRAVEL GRANT
Sponsor: Neuroscience Section of the Society of Critical Care Medicine
Sherry H. CHOU, MD
#5 Elevated Cerebrospinal Fluid Metalloproteinase-9 Is Associated with Poor 6-Month Outcome Following Subarachnoid Hemorrhage

NURSING SECTION TRAVEL GRANT
Sponsor: Nursing Section of the Society of Critical Care Medicine
Khalil M. YOUSSEF, RN, MSN
#314 The Impact of Sodium Level on Neurologic Deterioration After Subarachnoid Hemorrhage

PEDICIAN SECTIN
TRAVEL GRANTS
Sponsor: Pediatric Section of the Society of Critical Care Medicine
Y-Chen LIAI, MD
#53 Altered Cardiac Conduction and Increased Arhythmogenic Potential as a Candidate Mechanism for Sudden Unexplained Death in Epilepsy
John D. WHITT, MD
#108 A Case Control Study on the Impact of Ventilator Associated Tracheobronchitis (VAT) in the Pediatric ICU
Andy Y. YEN, MD
#127 CycTAMP-Responsive Element-Binding Protein Modulates Cytokine and Chemokine Expression in Bone Marrow Macrophages

PHYSICIAN ASSISTANTS SECTION
TRAVEL GRANT
Sponsor: Physician Assistants Section of the Society of Critical Care Medicine
Paras B. KHANHAR, MD
#484 Evaluation of Pediatric Intensive Care Unit Attending Coverage Model and Patient Mortality

KATIE BRUSH NURSING SECTION SCHOLARSHIP
Valeriana DANESE, MS, CCNP
#455 Algorithm-Based Proactive Rapid Response Team Rounds: Developing a Safety Net for Patients and Nurses
SCCM Honors the 2012 Award and Grant Recipients

HEMATOLOGY
279 Recombinant Activated Factor VII Use in Critically Ill Patients: Clinical Outcomes and Thromboembolic Events
Christina L. CANDELORO, PharmD; Jamie R. ROBLES, PhD; Gretchen M. BROPHY, PharmD, BCPS, FCCM

INFECTION
53 Impact of Active Surveillance on the Proportion of Hospital-Acquired Methicillin Resistant Staphylococcus aureus (MRSA) Infections in Intensive Care Units
Lauren D. POKOMO, BS; Virge FISHER, RN; Minm MORALES, PhD; Luis OSTROSKY-ZEICHER, MD

NEUROLOGY
4 Monoamine Relationship to Blood Flow Following Aneurysmal Subarachnoid Hemorrhage
Marynn HRWAIK, RN, PhD; ACNP-BC, FCCM; Bhashan P. THAMPATTY, PhD; Samuel M. POLIOYAC, PharmD, MD; Jeffrey K. YAO, PhD; Elizabeth A. CRAGO, RN, MSN; Michael HORDOWITZ, MD

PATIENT AND FAMILY SUPPORT
32 A Patient Family Centered Care Program Improves Family Satisfaction and Decreases Length of Stay
Cynthia L. ROSLOFSKY, BS; Jacob RUBE, BS; Steven GANNON, BS; Robert A. DARO, BA, MS; Andrea K. DORMAN, ACNP; Ethel B. HOWELL, ACNP; Steven D. TENNENBERG, MD, FCCM

PULMONARY
45 HFoVE Rescue in Severe Acute Respiratory Distress Syndrome: Oxygenation Improvement Predicts Outcome
Samantha TARRAS, MD; Carl HAASM RRT, MLS; James M. BLUM, MD; Kimberly BAUSER, RRT; Elizabeth JEWELL, MS; Craig MELDRUM, BBA; Kristian RAGHAVENDRAN, MD; Lena NAPOLITANO, MD, FCCM; Pauline K. PARK, MD, FCCM

RENAL
105 Hyperglycemia Protects Glomerular Endothelial Cell Monolayers From Hypoxic Injury
Kate J. SCHENNIG, MD, MPH; Nabil J. ALKAYED, MD, PhD; Sharon ANDERSON, MD; Michael HUCHTENS, MD

SEPSIS
15 Red Cell Distribution Width is a Prognostic Factor in Severe Sepsis and Septic Shock
Taisun Kim, MD; Yoosung Hwan JO, MD; PhD; Kyuseok KIM, MD; Jae Hyuk Lee, MD; Kyung Won KANG, MD, PhD; Kwang PI RIM, MD; Hyun Sook LEE, BS; Min Ji LEE, BS

THERAPEUTICS
25 Cell Saver for Volume Replacement in Children Following Cardiopulmonary Bypass Reduces the Number of RBC and Blood Product Transfusions and Donor Exposures
Jill CHOLETTE, MD; Karen S. POWERS, MD, FCCM; George M. ALFERS, MD; Ronald ANSONA, CPR; Kelly HEINDRICS, MT (ASCP); Neil BLUMBERG, MD

RESEARCH CITATION FINALISTS
100 The Impact of an ICU Sleep Program on Patient Satisfaction and De-Exposure
Denise RUMELHART, MSN; Hildy M. SCHELL - MD, FCCM; Pauline K. PARK, MD, FCCM; Samantha TARRAS, MD; Carl HAASM RRT, MLS; David M. ANDREWS, MD; Alan S. LIVINGSTONE, MD; David M. ANDREWS, MD; Alan S. LIVINGSTONE, MD

103 The Benefit of a Standardized Simulation-Based Approach in Teaching Ultrasound-Guided Central Venous Access
Tonya JAGINEAUX, MD; Terrel CAFFERY, MD; Glenn JONES, MD

104 Use of Endotracheal Infusion for Acute Treatment of Cushing’s Syndrome
Ashley STINNETT, PharmD; Kathryn K. NEILL, PharmD; Kendra M. JOHNSON, RD, CDA

105 Hyperglycemia Protects Glomerular Endothelial Cell Monolayers From Hypoxic Injury
Kate J. SCHENNIG, MD, MPH; Nabil J. ALKAYED, MD, PhD; Sharon ANDERSON, MD; Michael HUCHTENS, MD

106 Risk Assessment Profile to Screen for Venous Thromboembolism in Trauma Patients
Chad M. THORSON, MD; Mark L. RYAN, MD; Nicholas NAMIAS, MD, MBA, FCCM; Christian A. OTERO, MD; Thai VU, MD; Ronald J. MANNING, RN, MSHP; David M. ANDREWS, MD; Alan S. LIVINGSTONE, MD; Kenneth G. PROCTOR, PhD

107 Innate Immune Response is Impaired in Children With Severe Respiratory Syncytial Virus (RSV) Infection
Cesar MELLA, MD; Men C. SUAREZ, MD; Santiago LOPEZ, MD; Lisa HANSON, BS; Mark W. HALL, MD; Octavio RAMIRO, MD; Asuncion MEJAS, MD

108 A Case Control Study on the Impact of Ventilator Associated Tracheobronchitis (VAT) in the PICU
John D. WHITT, MD; Michael LAKE, MA; John BUTCHER, RN; Marylo GIACCONIE, RN, MSN; Brandi M. SEGER, BS, NPS; Marion SCHOLTE, RN; Derek S. WHEELER, MD, FCCM

109 Defining “No Escalation of Care” Prior to Death in the ICU
Christopher K. MORGAN; Khalid F. ALMOOSOA, MD

110 Comparison of a Low, Fixed Dose and a High, Weight Based Dose, Multimodal Factor VIII in the Treatment of Warfarin-Associated Intracerebral Hemorrhage
Adele M. ROBBINS, PharmD; Jeffrey J. FONG, PharmD; Wendy HALL, MD; Stephen POLFE, PharmD, BCPS; Kristen L. DITCH, PharmD; Melissa MILLER

111 Need for Post-Operative Mechanical Ventilation in Kidney Transplant Recipients Predicts Poor Survival: A Review of the United States Renal Data System
Mark DA-COCCO, MD; Nino ZEBIZAS-WILI, MD; Krista LENITINE, MD; Janet C. TUTTLE-NELD, MD; Mark SCHNITZLER, PhD

112 Do Statins Influence DVT Risk in the Critically Ill Patients?
Ryan Zarychanski, MD; Wendy LIN, MD; Marcelo RODRIGUEZ, MD; Lauren JUNYRE, MD; Francois LAMONTAGNE, MD; Peter DOODEK, MD; Menaka PAIL, MD; DJ COOPER, MD; Janal ALHASHEMI, MD; Nicole ZYTRUK, RN

113 Early Intensive Care Sedation Practice Predicts Long-Term Mortality in Critically Ill Patients
Yahya SHEHABI, MD; Rinaldo BELLOMO, MD; Steve WEBB, MD; Michael C. READE, MD; Colin MCKUTH, MD; Ian SEPPELT, MD; Leonie WEISBRODT, RN; Frances E. BAS, MD; Michael BAILEY, PhD; Boaz HOPE, RN

114 A Prospective Randomized Study Comparing Sodium Bicarbonate with Normal Saline to Prevent Kidney Injury in Patients Undergoing Cardiac Surgery
Judith L. KRISTELLER, PharmD; Russell P. STAHL, MD; Gerald S. ZAVORSKY, FACP, FACC

115 Epidural Analgesia in Blunt Thoracic Injury - Which Patients Benefit Most?
Daniel D. YEH, MD; Matthew KUTCHER, MD; Mary M. KNUDSON, MD; Jolin F. TANG, MD, FCCM

117 “Sepsis Spider”: an Electronic Notification System to Improve Compliance with Sepsis Resuscitation Bundles in the Emergency Department
Amanda V. WOLOSOY, PharmD; Ryan ATTWOOD, PharmD; Adrian GAROFOLI, MD; Matthew R. BAUDON, BA; Alexander F. BERG, PharmD, PhD; Vernon D. SMITH, MD; Christopher S. RUSSI, MD; Maria I. RUDIS, PharmD, FCCM

118 Effect of TFN-FAK Knockout in a Novel Model of Combined Contusion/Concussion Brain Injury in Mice
Heda DAPUL, MD; Juyeon PARK, BA; Jimmy ZHANG, BA; Michael WHALEN, MD

119 Red Cell Distribution Width as a Prognostic Marker in Patients with Community-Acquired Pneumonia
Heajin CHUNG, MD; Kyuseok KIM, MD, PhD; Jae Hyuk LEE, MD; You Hwan JO, MD, PhD; Joong Eui RHEE, MD, PhD

120 Views of Pediatric Intensivists on Ethics in Donation After Cardiac Death
Ajit SARKA, MD; Jeff A. CLARK, MD; Kathleen L. MEERT, MD, FCCM; Ashok P SARKA, MD, FCCM

121 End-of-Life Memento Collection in Medical Examiner Cases
Michael PANKRATZ, MD; Thilakum KASEMSRI, MD

122 No Excuses - a Hospice Designed for the Needs of the Intensive Care Unit
Paul FEINGOLD, BA; Alyssa MAJESKO, MD; Tammi OUEST, MD; Timothy G. BUCHMAN, MD, PhD, FCCM

123 Use of Continuous Calcium Dips for Calcium Replacement is Associated with Increased Thrombotic Risk in Infants Following Open-Heart Surgery
Stephan H. TOMOK, MD; Jill M. CHOLETTE, MD; George M. ALFERS, MD; Deanna A. MACRI, PharmD, FCCM

124 Successful Introduction of Nasal Bubble CPAP for Pediatric Patients in Four Ghanaian District Hospital Casually Wards
Patrick WILSON, MD; Emmanuel OTUPRI, DM, MSc; MPPh; Katherine V. BIAGAS, MD, FCCM; Rachel MORESKY, MPh

125 Outcomes Associated With a Screening and Treatment Pathway for Occult Hypoperfusion Following Cardiac Surgery
Pan XU, PharmD, PhD; PPh; Gregory A. LAINE, MS; Bee Bee HU, PharmD; ROOLIS, AR; Arthur BRACEY, MD; James WILSON, MD; Amy MCLAT, RN; Susan BAHRBRIDGE, RN; George REIL, RN

126 Changes in Oxygen Tension Among Patients with Single Ventricle Physiology-Supported with Extracorporeal Membrane Oxygenation
Andrew SMITH, MD; Daphne HARDISON, RN; Brian C. BRIDGES, MD; Bret A. METTLER, MD; Karla A. CHRISTIAN, MD; David BICHSEL, MD

127 Cyclic AMP-Responsive Element-Binding Protein Modulates Cyclosporine and Chemokine Expression in Bone Marrow Macrophages
Andy Y. WEN, MD; Lloyd MILLER, MD, PhD; Kathleen SAKAMOTO, MD, PhD

128 Emergency Cricothyroidotomy: A Randomized Crossover Trial Comparing Percutaneous Needle First Versus Novel Incision First Techniques
Huussein D. KANJI, MD; Warren THIRSK, MD; Sandy DOING, MD, MSc; Michael SAAV-RAOV, MD; Cristiana VILLA-POELI, MD, MSc; Nita SINGH, MD; Brian H. ROWE, MD, MSc

129 Effects of Reversal of Hypotension on Cerebral Microcirculation and Metabolism in Experimental Sepsis
Fabio Silvio TACCON, MD; Fuhong SU, MD; Laura PENACCIONI, MD; Anna B. DEVIOLI, MD; He XINPONG, MD; Sabino SCOLLETIA, MD; Jean-Louis VINCENT, MD, PhD, FCCM; Daniel P DE BACKER, MD, PhD
## Business and Ancillary Meetings

As of January 4, 2012

### THURSDAY, FEBRUARY 2, 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>Executive Committee</td>
<td>2:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Boardroom 326</td>
<td>Hilton Americas-Houston</td>
</tr>
</tbody>
</table>

### FRIDAY, FEBRUARY 3, 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>Council</td>
<td>7:30 a.m.</td>
<td>5:00 p.m.</td>
<td>Lanier Grand Ballroom B</td>
<td>Hilton Americas-Houston</td>
</tr>
</tbody>
</table>

### SATURDAY, FEBRUARY 4, 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>Board of Regents</td>
<td>7:30 a.m.</td>
<td>5:00 p.m.</td>
<td>Room 352B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>AAP Section on Critical Care Executive Meeting</td>
<td>8:00 a.m.</td>
<td>5:00 p.m.</td>
<td>Room 332</td>
<td>Convention Center</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>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Council New Member Orientation</td>
<td>1:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Pre-Congress Symposium</td>
<td>3:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 350D</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Congress Program Committee</td>
<td>4:00 p.m.</td>
<td>6:00 p.m.</td>
<td>Room 335</td>
<td>Convention Center</td>
</tr>
<tr>
<td>United States Critical Illness and Injury Trials Group Meeting</td>
<td>6:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Room 329</td>
<td>Convention Center</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>Room 330</td>
<td>Hilton Americas-Houston</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>Room 335A/B</td>
<td>Hilton Americas-Houston</td>
</tr>
</tbody>
</table>

### SUNDAY, FEBRUARY 5, 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>Nursing Section Steering Committee Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 350B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Osteopathic Medicine Section Business Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 310C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Uniformed Services Section Business Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 330B</td>
<td>Convention Center</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>Room 350D</td>
<td>Convention Center</td>
</tr>
<tr>
<td>In-Training Section Steering Committee Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>ATS Executive Committee Meeting</td>
<td>8:00 a.m.</td>
<td>1:00 p.m.</td>
<td>Boardroom 334</td>
<td>Hilton Americas-Houston</td>
</tr>
<tr>
<td>Anesthesiology Section Steering Committee Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Room 330A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>ACCM Credentials Committee Meeting</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Room 310D</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Chapters and Affiliates Alliance Executive Committee</td>
<td>9:30 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 382B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Steering Committee Meeting</td>
<td>9:30 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatrics Section Steering Committee Meeting</td>
<td>9:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 310E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>In-Training Section Session: Transition to First Job After Fellowship - Workshop on Job Interview/Business Meeting</td>
<td>9:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 381B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Internal Medicine Section Steering Committee Meeting</td>
<td>9:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 352A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Nursing Section Membership Committee Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 350F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Emergency Medicine Section Business Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 330B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Strategic Education Committee</td>
<td>10:00 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 310F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Become a Fellow of the American College of Critical Care Medicine</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 361</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Research Committee</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 360F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Adult MCCKAP Committee</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 350E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>FDM Subcommittee</td>
<td>10:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 382A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>SCCM Nominating Committee</td>
<td>11:00 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 352C</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>Room 310D</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Chapters and Affiliates Alliance</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 382B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Nursing Section First Timer’s Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 330B</td>
<td>Convention Center</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>Room 350D</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Physician Assistants Business Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 371E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Guideline Utilization Committee</td>
<td>12:00 p.m.</td>
<td>1:00 p.m.</td>
<td>Room 350B</td>
<td>Convention Center</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>Room 310D</td>
<td>Convention Center</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>Room 310E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Adult Online Practice Exam Committee</td>
<td>12:30 p.m.</td>
<td>1:30 p.m.</td>
<td>Room 350E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Ultrasound Certification Task Force</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</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>Room 310C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Benchmarking Committee</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 360F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Internal Medicine Section Business Meeting</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 320C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Carolinas/Virginias Chapter</td>
<td>1:00 p.m.</td>
<td>2:30 p.m.</td>
<td>Room 382C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>North East Chapter</td>
<td>1:30 p.m.</td>
<td>2:30 p.m.</td>
<td>Room 330B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatric Admission, Discharge and Triage Guideline Task Force</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 350B</td>
<td>Convention Center</td>
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</table>
### Business and Ancillary Meetings

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<tbody>
<tr>
<td>Business and Ancillary Meetings</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUNDAY, FEBRUARY 5, 2012 CONTINUED</strong></td>
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</tr>
<tr>
<td>Pediatric Sedation Guideline Task Force</td>
<td>1:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Room 350F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Quality and Patient Safety Committee</td>
<td>2:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Patient and Family Support Committee</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Room 310F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatric Comprehensive Critical Care Review Book Task Force</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Room 350E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Baltimore Chapter</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Room 382C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>PFCCS Subcommittee</td>
<td>3:00 p.m.</td>
<td>4:30 p.m.</td>
<td>Room 330A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Neuroscience Section Business Meeting</td>
<td>3:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 371E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Anesthesiology Section Business Meeting</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>Room 381B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Ultrasound Course Committee</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>Room 352C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Item Development Editorial Board</td>
<td>3:30 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 350E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Medication Use Safety Guideline Task Force</td>
<td>3:30 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 350B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Neuromuscular Blockade Guideline Task Force</td>
<td>3:30 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatric Current Concepts in Critical Care</td>
<td>3:45 p.m.</td>
<td>4:45 p.m.</td>
<td>Room 350E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Norma J. Shoemaker Research Grant Subcommittee</td>
<td>3:00 p.m.</td>
<td>4:30 p.m.</td>
<td>Room 330A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Adult Current Concepts in Critical Care</td>
<td>4:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 360F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>SOCCA Board of Directors Meeting</td>
<td>4:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 381C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Adult Current Concepts in Critical Care</td>
<td>4:30 p.m.</td>
<td>5:30 p.m.</td>
<td>Room 352C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>NIH Alumni Reception</td>
<td>6:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Room 344A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatrics Section Reception</td>
<td>6:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Room 381C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Texas Chapter</td>
<td>6:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>IEEE Alumni Reception</td>
<td>6:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Texas Chapter Member Reception</td>
<td>7:00 p.m.</td>
<td>9:00 p.m.</td>
<td>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td><strong>MONDAY, FEBRUARY 6, 2012</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Pediatrics Section Quality and Safety Committee Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 320B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Nursing Section Business Meeting/Expert Nurse Panel and Member Breakfast</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 360A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>CCM and PCCM Combined Editorial Board Meeting</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 381C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Past Presidents' Breakfast</td>
<td>7:00 a.m.</td>
<td>8:00 a.m.</td>
<td>Room 381C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Graduate and Resident Education Committee</td>
<td>7:30 a.m.</td>
<td>9:00 a.m.</td>
<td>Room 350E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Item-Writing Seminar 1</td>
<td>8:00 a.m.</td>
<td>9:00 a.m.</td>
<td>Room 310F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Advocacy Committee</td>
<td>8:00 a.m.</td>
<td>9:00 a.m.</td>
<td>Room 330A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Ohio Chapter</td>
<td>8:30 a.m.</td>
<td>9:30 a.m.</td>
<td>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>FCCS Program Committee</td>
<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 382A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Models of Critical Care Guideline Task Force</td>
<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 352C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Membership Committee</td>
<td>8:30 a.m.</td>
<td>10:15 a.m.</td>
<td>Room 350A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Section Chairs Meeting</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 330B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Education Committee Meeting</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 310C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Accreditation and Online Learning Committee Meeting</td>
<td>9:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 310D</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Long Term Consequences Task Force</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Room 352B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Michigan Chapter</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Nursing Section Advanced Nursing Practice and Professional Development Committee Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>South East Chapter</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 350B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatrics Section Fellowship Director's Committee Meeting</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 350D</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Item-Writing Seminar 2</td>
<td>10:00 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 310F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Business Meeting</td>
<td>10:00 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 381A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Respiratory Care Business Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 310A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>ACCM Nominating Committee Meeting</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 310E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>New SCCM Member Orientation</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 370A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pain, Agitation and Delirium Guideline Task Force</td>
<td>10:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 352C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Nursing Section Research Committee Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>ACCM Fellowship Services Committee Meeting</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 310C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Oregon Chapter</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 352A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Surgery Section Developmental Meeting</td>
<td>11:30 a.m.</td>
<td>1:00 p.m.</td>
<td>Room 310D</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Patient Safety Committee Meeting</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 320B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Nursing Section Networking Discussion: Advanced Practice RN Scope of Practice</td>
<td>12:00 p.m.</td>
<td>1:00 p.m.</td>
<td>Room 350D</td>
<td>Convention Center</td>
</tr>
<tr>
<td>MEETING</td>
<td>START TIME</td>
<td>END TIME</td>
<td>ROOM</td>
<td>FACILITY</td>
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</tr>
<tr>
<td>Pediatrics Section Fellows’ Committee Meeting</td>
<td>12:00 p.m.</td>
<td>1:00 p.m.</td>
<td>Room 320C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatrics Section Palliative Care Committee Meeting</td>
<td>12:00 p.m.</td>
<td>1:00 p.m.</td>
<td>Room 310E</td>
<td>Convention Center</td>
</tr>
<tr>
<td>ACCM Awards Committee Meeting</td>
<td>12:00 p.m.</td>
<td>1:00 p.m.</td>
<td>Room 310C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Conduct in Research Guidelines Task Force</td>
<td>12:00 p.m.</td>
<td>1:30 p.m.</td>
<td>Room 352C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Item-Writing Seminar 3</td>
<td>12:30 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 310F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Undergraduate Education Committee</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 382A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatric Online Practice Exam Committee</td>
<td>1:30 p.m.</td>
<td>2:30 p.m.</td>
<td>Room 352A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pan American Federation Meeting</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 320B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Futility in the ICU Guideline Task Force</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 352C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatric MCCKAP Committee</td>
<td>2:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 310F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatrics Section Business Meeting</td>
<td>2:15 p.m.</td>
<td>3:15 p.m.</td>
<td>Room 381A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Paragon Quality Improvement Committee</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Room 310B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>New Jersey Chapter</td>
<td>2:30 p.m.</td>
<td>3:30 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>M.D. Anderson Cancer Center Meeting</td>
<td>2:30 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 335B</td>
<td>Hilton Americas-Houston</td>
</tr>
<tr>
<td>FCCS Director/Consultant Forum</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 382A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>The Critical Care Societies Collaborative</td>
<td>3:00 p.m.</td>
<td>4:30 p.m.</td>
<td>Room 310A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Industry and Technology Section Business Meeting</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>Room 320C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>North Central Chapter</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>ACCM Ethics Committee</td>
<td>3:30 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 352B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Guideline Management Committee</td>
<td>3:30 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 352C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>FCCS Instructor Forum</td>
<td>4:00 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 382A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>ACCM Robing Room</td>
<td>5:00 p.m.</td>
<td>9:00 p.m.</td>
<td>Room 352B</td>
<td>Hilton Americas-Houston</td>
</tr>
<tr>
<td>ACCM Convocation</td>
<td>6:00 p.m.</td>
<td>7:30 p.m.</td>
<td>Room 352B</td>
<td>Hilton Americas-Houston</td>
</tr>
<tr>
<td>Surgery Section Reception</td>
<td>8:00 p.m.</td>
<td>10:00 p.m.</td>
<td>Room 352B</td>
<td>Hilton Americas-Houston</td>
</tr>
<tr>
<td>Anesthesiology Section Reception</td>
<td>8:30 p.m.</td>
<td>10:30 p.m.</td>
<td>Room 352B</td>
<td>Hilton Americas-Houston</td>
</tr>
<tr>
<td>Internal Medicine Section Reception</td>
<td>8:30 p.m.</td>
<td>10:30 p.m.</td>
<td>Room 344A/B</td>
<td>Hilton Americas-Houston</td>
</tr>
<tr>
<td>Board of Regents</td>
<td>7:30 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 352B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pharmacotherapy Conference 2012</td>
<td>8:00 a.m.</td>
<td>9:00 a.m.</td>
<td>Room 352B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Alignment of PT Providers</td>
<td>9:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 352B</td>
<td>Convention Center</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>Room 352B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>ICU Design Award Committee Meeting</td>
<td>9:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 352B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Postgraduate and Fellowship Education Committee</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 352B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Drug-Induced Complications Book Task Force</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 352B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Billing and Coding Oversight Committee</td>
<td>10:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Invigorating Research Task Force</td>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Clinical Pharmacy and Pharmacology Section Membership Committee Meeting</td>
<td>10:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Simulations Task Force</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>2013 Study Mission to South Africa</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 370A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Finance and Investment Committee</td>
<td>12:00 p.m.</td>
<td>1:00 p.m.</td>
<td>Room 350B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Surgery Section Business Meeting</td>
<td>12:00 p.m.</td>
<td>1:30 p.m.</td>
<td>Room 350B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Physician Patient Ratio Task Force</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 350F</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Strategic Planning Committee</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Room 350B</td>
<td>Convention Center</td>
</tr>
<tr>
<td>SCCM Business Meeting</td>
<td>2:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Pediatric Multiprofessional Critical Care Board Review Course</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Adult Multiprofessional Critical Care Board Review</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Room 352C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>ACCM Town Hall</td>
<td>3:15 p.m.</td>
<td>4:45 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Tele-ICU Committee</td>
<td>3:30 p.m.</td>
<td>5:00 p.m.</td>
<td>Room 330A</td>
<td>Convention Center</td>
</tr>
<tr>
<td>ACCM Business Meeting</td>
<td>4:45 p.m.</td>
<td>5:15 p.m.</td>
<td>Room 350C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Critical Care Pharmacotherapy Trials Network (CCPTN)</td>
<td>5:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Room 352C</td>
<td>Convention Center</td>
</tr>
<tr>
<td>Baylor Alumni Reception</td>
<td>5:30 p.m.</td>
<td>6:30 p.m.</td>
<td>Room 350C</td>
<td>Hilton Americas-Houston</td>
</tr>
</tbody>
</table>

**WEDNESDAY, FEBRUARY 8, 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>Council</td>
<td>7:30 a.m.</td>
<td>11:00 a.m.</td>
<td>Skyline Ballroom</td>
<td>Hilton Americas-Houston</td>
</tr>
</tbody>
</table>
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.
Available wherever you are, the Society of Critical Care Medicine’s (SCCM) On Demand courses are a convenient way to access the educational content from SCCM’s live meetings and webcasts.

On Demand allows you to view a course’s educational sessions on your own time and at your own pace from the comfort and convenience of your home or office. Videos containing both slides and lectures from every session are available in a searchable format, making On Demand the next best thing to attending a live event.

For a complete list of On Demand programs, visit www.sccm.org/ondemand.

THE FOLLOWING COURSES ARE OFFERED:

- Acute Cardiac Care
- Adult Multiprofessional Critical Care Board Review Course
- Case Studies in ICU Neurological Assessment
- Clinical Focus: Acute Kidney Injury
- Clinical Focus: Hypothermia
- Critical Care Congress
- Current Concepts in Adult Critical Care
- Current Concepts in Pediatric Critical Care
- Emerging Antithrombotic Agents: What the Intensivist Needs to Know
- Ethical Dilemmas in the ICU
- Extended Dialysis for the Treatment of AKI in the ICU Patient
- ICU Staffing Models for Academic and Community Hospital Settings
- Lessons You Need to Know When Providing ECMO
- Managing in the Changing Landscape of ACGME Regulations and Healthcare Reform
- Pediatric Multiprofessional Critical Care Board Review Course
- Pharmacotherapy in Critical Illness
- Prevention of Intravenous Catheter-Related Infections in the ICU
- Sedation and Delirium in the ICU
- Targeted Temperature Management: Evidence and Practice in the ICU Patient
- Ventilator-Associated Pneumonia
- Vexing Critical Care Challenges: Clostridium difficile Colitis
- Vexing Critical Care Challenges: Stress Ulcer Prophylaxis

MORE ADDED EVERY MONTH!
**Exhibit Hall Information and Events**

### Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, February 5</td>
<td>9:00 AM – 3:45 PM</td>
</tr>
<tr>
<td>Monday, February 6</td>
<td>9:00 AM – 3:30 PM</td>
</tr>
<tr>
<td>Tuesday, February 7</td>
<td>9:00 AM – 3:30 PM</td>
</tr>
</tbody>
</table>

**Remember to visit the Exhibit Hall!**

**TOP TEN REASONS FOR VISITING THE EXHIBIT HALL**

1. In Booth Education
2. Prize Drawings
3. Cutting-Edge Technology
4. Posters
5. FREE Refreshments
6. Industry Education Workshops
7. SCCM Bookstore
8. Career Opportunities
9. Free Internet Access
10. Networking with Leaders in the Critical Care Field

**Future Congresses/Giveaway (Booth #938)**

Stop by to learn about the exciting locales to host the 2013, 2014 and 2015 Congresses. Mark your calendars and start planning for these premier critical care events. Also, pick up your gift for attending the 41st Critical Care Congress.

**Internet Access (SCCM Central)**

Catch up on work or keep in touch while you’re 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.

**ePosters (Booth #933)**

In addition to the standard poster hall, attendees will have the opportunity to view all posters in an electronic format via computers, screens and other mobile views within the poster hall. These posters will be searchable and include enhanced information to provide the most comprehensive information on critical care research.

**Refreshment Breaks (Exhibit Hall)**

Complimentary morning and afternoon breaks will be available in the Exhibit Hall on Sunday, February 5, Monday, February 6, and Tuesday, February 7. These breaks offer an excellent opportunity to visit the exhibitors while enjoying a refreshing break.

### Exhibitor-Sponsored Industry Education Workshops

**Exhibitor-Sponsored Industry Education Workshops**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, February 5</td>
<td>12:45 PM – 1:45 PM</td>
<td><strong>ART - Improving Resuscitation Outcomes from In-Hospital Cardiac Arrest</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Sponsored by ZOLL Medical</strong></td>
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<tr>
<td></td>
<td></td>
<td><strong>Presenter: Daniel DAVIS, MD</strong></td>
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<tr>
<td></td>
<td></td>
<td><strong>Director for Resuscitation Science</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>University of California</td>
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<tr>
<td></td>
<td></td>
<td>San Diego, California, USA</td>
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<tr>
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<td>Dr. Davis has developed a unique training program “Advanced Resuscitation Training” (ART) to improve outcomes from SCA. Following implementation of the training, the two hospitals who piloted the program improved outcomes from cardiac arrest, 21% to 42% on wards and 27% to 35% in Critical Care. Neurologically intact survival also doubled. ART training had been selected as a Joint Commission, Best Practice.</td>
</tr>
<tr>
<td>Monday, February 6</td>
<td>9:00 AM – 10:00 AM</td>
<td><strong>The Value of Extravascular Lung Water (EVLW) Measurement and Evidence Based Fluid Resuscitation Techniques for Best Clinical Practice in the ICU</strong></td>
</tr>
<tr>
<td></td>
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<td><strong>Sponsored by Pulsion</strong></td>
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<tr>
<td></td>
<td></td>
<td><strong>Presenter: Charlie PHILIPS, MD</strong></td>
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<tr>
<td></td>
<td></td>
<td><strong>Associate Professor of Medicine</strong></td>
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<td></td>
<td><strong>Division of Pulmonary and Critical Care Medicine</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Oregon Health Science University</strong></td>
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<tr>
<td></td>
<td></td>
<td><strong>Portland, Oregon, USA</strong></td>
</tr>
<tr>
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<td>Lung Water and Acute Lung Injury. Extravascular lung water (EVLWI) reflects the degree of lung injury. This talk will discuss the evidence that supports the inclusion of EVLWI into the ALI and ARDS criteria, and explain the implications for earlier and more effective treatments based on treatment algorithms that include this parameter.</td>
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<td><strong>Sponsored by Baxter Healthcare</strong></td>
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<td><strong>Presenter: Chet Aaron MORRISON, MD</strong></td>
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<td><strong>Assistant Professor of Surgery and Director of Surgical Critical Care</strong></td>
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<td><strong>Michigan State University</strong></td>
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<td><strong>East Lansing, Michigan, USA</strong></td>
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<td>Clinicians (physicians, pharmacists, dietitians) in the U.S. tend to use PN as part of the electrolyte management plan. Clinicians often adjust electrolyte levels based on lab results. While it is critical and prudent to immediately adjust electrolytes in severe electrolyte disorders, there is some evidence to support frequent electrolyte adjustment should not be part of a daily PN regimen. On the contrary, some studies show standardizing the electrolyte in the PN could aid the patient’s outcome.</td>
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Train Non-Intensivists to Care for the Critically Ill and Injured More Efficiently With **FCCS Online**

The Society of Critical Care Medicine’s (SCCM) internationally renowned Fundamental Critical Care Support (FCCS) course is now available in an online lecture format, making it easier to host a course.

Utilizing the well-established materials from the traditional, instructor-led course, this new format consists of online lectures that you can efficiently supplement with live skill stations.

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- Simplify post-course reporting to SCCM

The FCCS companion courses, Pediatric Fundamental Critical Care Support (PFCCS) and Fundamental Disaster Management (FDM), also are available in a traditional, live classroom format that can be hosted at any institution, meeting or other face-to-face learning event by a qualified instructor.

For details and requirements on sponsoring an FCCS, FCCS Online, PFCCS or FDM course, visit [www.sccm.org](http://www.sccm.org) or contact the SCCM hospital relations manager at +1 847 493-6401.
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Phone: +1 801 281-3000
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AdvanDx enables clinicians to save the lives of critically ill, infected patients through rapid diagnostics that employ a proprietary “whole cell analysis” approach to pathogen detection and identification. AdvanDx’s PNA FISH® tests provide rapid identification of bloodstream pathogens to improve antibiotic prescribing, care and outcomes for patients with bloodstream infections.

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Website: www.airstrip.com

AirStrip Technologies is a medical software development company that enables mobility in healthcare, having created a platform that allows relevant clinical data to be securely and natively accessed virtually anywhere, anytime. AirStrip mobile patient monitoring solutions comply with federal patient privacy standards, are FDA-cleared and available throughout the hospital setting.

American Association of Critical-Care Nurses
Booth #535
101 Columbia
Aliso Viejo, CA 92656
United States
Phone: +1 949 362-2050
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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Northbrook, IL 60062
United States
Phone: +1 847 498-1400
Website: www.chestnet.org

As the global leader improving cardiopulmonary, critical care, and sleep medicine education, the ACCP promotes the prevention, diagnosis, and treatment of chest diseases through education, communication, and research. Come see our top-rated boardreview products, ACCP-SEEK app, evidence-based guidelines, simulation education courses, and more.

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Oak Brook, IL 60523
United States
Phone: +1 877 225-8384
Website: www.theppsmachine.com

American Physician Institute provides dynamic medical education and CME to thousands of physicians each year. The Institute’s mission is to fully prepare physicians to pass their board specialty examinations, with courses specifically geared for the Critical Care Board Examinations. Contact us for more information at 877-225-8384 or visit us online.

American Thoracic Society
Booth #439
25 Broadway 18th Floor
New York, NY 10004
United States
Phone: +1 212 315-8600
Website: www.thoracic.org

With a mission of improving respiratory health worldwide, the American Thoracic Society offers educational opportunities to medical professionals through CME programs, high-impact journals and clinical guidelines and statements, as well as research support, advocacy programs and patient education.

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Booth #333
8000 Katherine Boulevard
Brecksville, OH 44141
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Phone: +1 440 717-4000
Website: www.amtbride.com

The AMT Bridge™ Nasal Tube Retaining System was developed to avoid the cost of nasal tube pull outs, while simultaneously improving nutritional outcomes. Routine bridling has become the Standard of Care for many ICU’s due to improved nutritional outcomes and cost management. Bridle can be placed in less than a minute.

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3305 West Forest Home Avenue
Milwaukee, WI 53215
United States
Phone: +1 800 307-7497
Website: www.aurora.org/doctor

Aurora Health Care’s integrated, not-for-profit health care system located throughout eastern Wisconsin and northeastern Illinois is internationally known and awarded for exceptional care. By incorporating the latest treatment systems and patient innovations, Aurora is constantly finding better ways to provide health care in its state-of-the-art hospitals and multi-specialty clinics.
BioSeal helps hospitals follow CDC guidelines. Infection. By keeping access sites dry and intact, forms an occlusive seal and microbial barrier. CVC Powder. BioSeal is a topical powder that Biolife LLC manufactures and markets BioSeal and acute medical conditions. eases, kidney disease, trauma, and other chronic and acute medical conditions.

Baxter Healthcare
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25212 West State Route 120
Round Lake, IL 60073
United States
Phone: +1 800 4-BAXTER
Website: www.baxter.com

Baxter Healthcare Corporation Medication Delivery
Booth #245
25212 West State Route 120
Round Lake, IL 60073
United States
Phone: +1 800 4-BAXTER
Website: www.baxter.com

Baxter International Inc., through its subsidiaries, develops, manufactures and markets products that save and sustain the lives of people with hemophilia, immune disorders, infectious diseases, kidney disease, trauma, and other chronic and acute medical conditions.

Biolife, LLC
Booth #906
8163 25th Court East
Sarasota, FL 34243-2800
Phone: +1 941 360-1300
Website: www.biolife.com

Biolife LLC manufactures and markets BioSeal CVC Powder. BioSeal is a topical powder that forms an occlusive seal and microbial barrier around catheters, or over a wound, that allows “nothing in, nothing out” and helps prevent infection. By keeping access sites dry and intact, BioSeal helps hospitals follow CDC guidelines.

BioMerieux
Booth #233
100 Rodolphe Street
Durham, NC 27712
Phone: +1 800 682-2666
Website: www.biomerieux-usa.com

bioMerieux provides diagnostic solutions (reagents, instruments, software) which determine the source of disease and contamination to improve patient health and ensure consumer safety. Its products are used for diagnosing infectious diseases and providing high medical value results for cancer screening and monitoring and cardiovascular emergencies. They are also used for detecting microorganisms in agri-food, pharmaceutical and cosmetic products.

Bioquell, Inc.
Booth #234
101 Witmer Road
Suite 400
Horsham, PA 19044
Phone: +1 215 682-0225
Website: www.bioquell.com

Bioquell provides room sterilization equipment and services that eliminate pathogens from the environment resulting in fewer healthcare associated infections. Bioquell’s EPA registered sterilant has demonstrated reductions in infection rate for a wide range of MOROs. The ability to sterilize a room, including contents, provides a vital tool in preventing transmissions.

Beutlich LP Pharmaceuticals
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1541 South Shields Drive
Waukegan, IL 60085
United States
Phone: +1 800 238-8542
Website: www.beutlich.com

Beutlich® Pharmaceuticals has been offering healthcare professionals unique solutions for pain management and preventative care since 1954. We are a family-owned business whose integrity our customers can count on. Stop by our booth to learn more about HurriCaine ONE® Unit Dose Non-Aerosol Topical Anesthetic Spray and other great products.

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Phone: +1 714 840-3405
Website: www.calmoseptine.com

Calmoseptine Ointment protects and helps heal skin irritations from moisture such as urinary and fecal incontinence. It is also effective for irritations from perspiration, wound drainage, fecal & vaginal fistulas and feeding tube site leakage. Calmoseptine temporarily relieves discomfort and itching. Free samples at our booth!

Cardiometry Monitors
Booth #1007
3750 Torrey View Court
San Diego, CA 92130
Phone: +1 888 876-4287
Website: www.cardiometry.com

Cardiometry Monitors in the critical care units results in improved diagnosis and treatment of critical care patients.

Cardiotronic, Inc.
Booth #111
1785 Ivanhoe Avenue
Suite 226
La Jolla, CA 92037
United States
Phone: +1 858 454-0600
Website: www.cardiotronic.net

Cardiotronic, Inc. specializes in completely non-invasive cardiac output & hemodynamic monitoring. Implementation of the Electrical Cardiometry Monitors in the critical care units results in improved diagnosis and treatment of critical care patients.

CareFusion
Booth #1007
3750 Torrey View Court
San Diego, CA 92130
Phone: +1 888 876-4287
Website: www.carefusion.com

CareFusion combines technology and intelligence to measurably improve patient care. Our clinically proven products are designed to help improve the safety and cost of healthcare for generations to come. Some of our most trusted brands include Alaris®, Chloraprep®, Pyxis®, V. Mueller® and VIASYS.

Centurion Medical Products
Booth #305
100 Centurion Medical Products
P.O. Box 510
Williamston, MI 48895
United States
Phone: +1 517 546-5400
Website: www.centurionmp.com

Centurion develops unique products and custom procedure trays developed with critical input from end users and designed to improve patient, caregiver and provider outcomes. Our products include Eme-Bag®, ECO-Eme-Bag, SorbaView® SHIELD catheter securement system and patented SnagFree® Instruments.
Cerner Critical Care solutions deliver an EMR, while automating the entire ICU environment in real-time. Delivering electronic documentation, virtual ICU capabilities, real-time device connectivity, an always-on view of the patient flowsheet and APACHE Outcomes, the industry-leading outcomes management solution, our solutions work together to deliver the best possible patient outcomes.

Cheetah Medical Inc.
Booth #1017
600 South East Maritime Avenue
Suite 220
Vancouver, WA 98661
United States
Phone: +1 360 828-8685
Website: www.cheetah-medical.com

Cheetah Medical delivers 100% noninvasive accurate, continuous hemodynamic information. Cheetah NICOM™ empowers clinicians with actionable data to titrate fluids and drugs in the ICU, OR and ED. NICOM’s accuracy, ease of use and responsiveness provide an ideal combination in challenging scenarios such as sepsis, renal failure, shock, and peri-operative care.

Cincinnati Sub-Zero
Booth #315
12011 Mostlill Road
Cincinnati, OH 45241
United States
Phone: +1 513 772-8810
Website: www.cszmmedical.com

Cincinnati Sub-Zero has been delivering patient temperature management systems to healthcare professionals since 1983; we design with the patient in mind. Our complete line of products include therapeutic heating and cooling therapy units along with a complete line of warming and cooling blankets for body temperature regulation and hyper-hypothermia treatment.

Cook Medical
Booth #615
750 Daniels Way
Bloomington, IN 47402
United States
Phone: +1 812 339-2235
Website: www.cookmedical.com

Cook Medical remains at the forefront of innovative products for critical care medicine. Cook manufactures the Giaglia Blue Rhino® for percutaneous tracheostomy, catheters for center-sis and drainage, Tiger 2™ self-advancing nasal jejunal feeding tubes, Spectrum® minocycline and rifampin impregnated CVCs and difficult airway products including the Cook Staged Exubation Set.

Cumberland Pharmaceuticals, Inc.
Booth #252
6135 Gunbarrel Avenue
Boulder, CO 80301
United States
Phone: +1 303 305-2300
Website: www.cumberlandpharma.com

Cumberland Pharmaceuticals, Inc. is a Tennessee-based specialty pharmaceutical company focused on hospital acute care and gastroenterology. Cumberland’s product portfolio includes Acetadote® (acetylcysteine) Injection for the treatment of acetaminophen poisoning and Cadolor® (ibuprofen) Injection, the first injectable treatment for pain and fever approved in the United States.

Coviden
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6135 Gunbarrel Avenue
Boulder, CO 80301
Phone: +1 303 305-2300
Website: www.coviden.com

Coviden is a leading global healthcare products company that creates innovative medical solutions for better patient outcomes and delivers value through clinical leadership and excellence. Coviden manufactures, distributes and services a diverse range of industry-leading product lines in three segments: Medical Devices, Pharmaceuticals and Medical Supplies.

Crescendo Systems Corporation
Booth #340
1600 Montgolfier
Laval, QC H7T0A2
Canada
Phone: +1 800 724-2930
Website: www.crescendo.com

Crescendo’s software solutions allow healthcare facilities around the world to automate complex documentation workflows. The latest solution, Centro Clinical Documentation, features instant report creation, allowing the physician unprecedented flexibility by combining handwriting and speech recognition, charting on anatomical images, fingertip access to patient history and more, from the patient’s bedside.

CliniComp, Intl.
Booth #1016
9655 Towne Centre Drive
San Diego, CA 92121
United States
Phone: +1 858 546-8202
Website: www.clinicomp.com

CliniComp, Intl. is a global provider of hospital-wide clinical documentation systems. In commercial settings, they have the largest systems in the world accompanied by an unparalleled record of decades of absolute system uptime. CliniComp, Intl. operates across 7 countries and 3 continents, as the leading provider of inpatient documentation to federal health care facilities worldwide.

Cutter/Neusser, Inc.
Booth #1021
407 North 1st Street
Spartanburg, SC 29307
United States
Phone: +1 864 582-3500
Website: www.cutterneusser.com

Cook manufactures the Ciaglia Blue Rhino® for percutaneous tracheostomy, catheters for center-sis and drainage, Tiger 2™ self-advancing nasal jejunal feeding tubes, Spectrum® minocycline and rifampin impregnated CVCs and difficult airway products including the Cook Staged Exubation Set.

CORPAK MedSystems
Booth #416
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Buffalo Grove, IL 60089
United States
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Website: www.corpakmedsystems.com

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Nashville, TN 37215
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Website: www.cumberlandpharma.com

Cumberland Pharmaceuticals and Medical Supplies.

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SCCM has joined the National Healthcare Career Network. The NEW SCCM Career Central is the largest multidisciplinary critical care career portal with cutting-edge tools to make the perfect professional match.

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Employers can actively browse through resumes of interested clinicians. Job seekers can put themselves on the market with a click of a button.

It’s free for those seeking new professional opportunities.
Explore these new tools at careercentral.sccm.org.

Volume job posting discounts are available.
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Daxor Corporation’s BVA-100® Blood Volume Analyzer is a semi-automated instrument patented for direct measurement of blood volume, red cell and plasma volume. The system utilizes the Volumex® injection kit for a multi-sample blood volume. Measurement of blood volume is applicable for hypertension, CHF, transfusion, ICU/CCU, anemia, orthostatic hypotension and syncope.

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Irvine, CA 92614
United States
Phone: +1 949 250-2500
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WAFFLE® Brand Products have been used effectively for pressure ulcer prevention and healing therapy for more than a decade. EHOB, Inc. was founded in 1985 with a special interest in soft tissue research, education and product development.

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United States
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Website: www.elsevier.com

ESICM - European Society of Intensive Care Medicine
Booth # SCCM Central
Rue Belliard, 19
BE-1040 BRUSSELS
BELGIUM
Phone: +32 (0)2 559 03 55
www.esicm.org

The European Society of Intensive Care Medicine (ESICM) aims at fostering intensive care medicine in Europe and worldwide. With more than 4,000 members, the Annual Congress and other conferences are organized in Europe, some in conjunction with SCCM and other international societies. Research, education and various projects are being developed.

Extracorporeal Life Support Organization (ELSO)
Booth #536
2800 Plymouth Road
Building 300, Room 303
Ann Arbor, MI 48109
United States
Phone: +1 734 998-6601
Website: www.elso.med.umich.edu

The Extracorporeal Life Support Organization (ELSO) is an international consortium of health care professionals who are dedicated to the development and evaluation of novel therapies for support of failing organ systems. ELSO maintains an extracorporeal membrane oxygenation registry which is used to support clinical research, regulatory agencies and ELSO centers.

Forest Pharmaceuticals, Inc.
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13600 Shoreline Drive
St. Louis, MO 63045
United States
Phone: +1 800 678-1605
Website: www.frx.com
Forest Pharmaceuticals, Inc. is a wholly-owned subsidiary of New York City-based Forest Laboratories, Inc. Forest’s longstanding global partnerships and track record developing and marketing pharmaceutical products in the USA have yielded its well-established central nervous system and cardiovascular franchises and an emerging portfolio in anti-infective and respiratory medicine.

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14143 Denver West Parkway
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GAMBRO has been at the forefront of continuous renal replacement therapy (CRRT) for more than 20 years. As a leader in CRRT, Gambro provides our customers with everything they need for a successful CRRT program: the Prismaflex® System, disposables, education, and 24/7 product and therapy support.

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Website: www.gehealthcare.com
ABOUT GE HEALTHCARE GE is making a new commitment to health. Healthymagination will change the way we approach healthcare, with more than 100 innovations all focused on addressing three critical needs: lowering costs, touching more lives and improving quality. For more information, visit: www.gehealthcare.com

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Phone: +1 370 214-4460
Website: www.geisinger.org
Geisinger Health System serves nearly three million people in Central and Northeastern Pennsylvania and has been nationally recognized for innovative practices and quality care. A mature electronic health record connects a comprehensive network of 2 hospitals, 38 community practice sites and more than 800 Geisinger primary and specialty care physicians.
Exhibitor Listing

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Phone: +1 864 429-6700
Website: www.glytec.com
Glytec has implemented software solutions for glycemic management that provide dosage recommendations of insulin, glucose and saline for intravenous and subcutaneous indications. The software has been cleared under FDA 510(k). Clinicians receive a comprehensive view of a patient’s data in real time, providing clinical, realistic and relevant measures of quality.

**Gulfcoast Ultrasound Institute**
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Saint Pete Beach, FL 33706
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Phone: +1 727 363-4500
Website: www.gcus.com
Gulfcoast Ultrasound Institute is a leading provider of hands-on courses and self-directed study products for medical professionals (AMA Cat. 1 & ACEP credits). More than 28,000 medical professionals have participated in our seminars since 1985. Customized onsite training & live ultrasound webinars are also offered. 1-800-619-1900.

**Hamilton Medical, Inc.**
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Phone: +1 800 426-6331
Website: www.hamilton-medical.com
Hamilton Medical exhibits the newest advances in mechanical ventilation that provide Intelligent Ventilation solutions to all patient populations in expanded locations. Attendees can talk to our Clinical, Research and Sales teams to identify how the Hamilton G5 and C2 with ASV will benefit their individual facilities.

**Hill-Rom**
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1069 State Route 46 East
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United States
Phone: +1 812 931 2455
Website: www.hill-rom.com
Hill-Rom is a leading manufacturer and provider of medical technologies and services for the healthcare industry, including patient support systems, non-invasive therapeutic products, medical equipment rentals and information technology solutions.

**Hollister Incorporated**
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2000 Hollister Drive
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Phone: +1 888 740-8999
Website: www.hollister.com
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275 North Field Drive
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Website: www.hospira.com
Hospira is the world’s leading provider of injectable drugs and infusion technologies. The company is headquartered in Lake Forest, IL, and has approximately 14,000 employees. Learn more at www.hospira.com.

**Hospital Corporation of America (HCA)**
Booth #639
2 Maryland Farms
Suite 200
Brentwood, TN 37027
United States
Phone: +1 866 889-0203
Website: www.practicewithus.com
HCA owns and operates 184 healthcare facilities in 20 states with opportunities coast to coast. HCA was one of the nation’s first hospital companies. We are committed to the care and improvement of human life. We strive to deliver quality healthcare that meets the needs of the communities we serve.

**Hutchinson Technology Incorporated**
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Hutchinson, MN 55350
United States
Phone: +1 800 419-1007
Website: www.htibiomeasurement.com
The InSpectra™ StO2 Spot Check is a noninvasive tool to quickly and cost-effectively identify patients at risk for circulatory distress. Once identified to have low StO2, patients can be continuously monitored with the InSpectra™ StO2 Monitor. See how StO2 can add an important assessment to managing your patients.

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If Disaster strikes – is your ICU prepared? What are the necessary steps to take? 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 preparedness 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

To order copies of Preparing Your ICU for Disaster Response, please contact SCCM Customer Service at +1 847 827-6888 or order online at www.sccm.org
The objective of this 4 day symposium is to review concepts and technology and present recent advances in the management of critically ill patients. The symposium includes formal presentations as well as practical discussions such as tutorials, round tables, pro-con debates. Original scientific posters will be also presented.

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Website: www.lantheus.com

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Phone: +1 503 415-5982
Website: legacyhealth.org

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United States
Phone: +1 401 444-1488
Website: www.rhodeislandhospital.org/rih/services/osccc

The function of the Ocean State Clinical Coordinating Center is to facilitate testing of new interventions and diagnostics, develop high quality protocols for the conduct of Phase II and Phase III clinical trials, generate consistent interpretation of enrollment criteria, and assure the accurate execution of clinical protocols.

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On Call Medical Coats
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Website: www.theintensivistgroup.com

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Website: www.vidacare.com
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Phone: +1 978 421-9655
Website: www.zoll.com
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2012 Educational Opportunities
Your Profession Requires It:  
Your Patients Depend on It

As the only multiprofessional organization devoted to advancing the practice of critical care, the Society of Critical Care Medicine (SCCM) provides quality, relevant continuing education resources and training for the entire critical care team. All of SCCM's continuing education opportunities are designed to help you continuously improve your practice and your patients' outcomes. Learn about SCCM’s 2012 lineup of live activities, webcasts, online learning opportunities, and products and publications.

Continuing Education Credit

SCCM is committed to providing high-quality continuing education activities that encompass all aspects of optimal and timely delivery of critical care in order to secure the best possible outcomes for patients.

SCCM is a national provider of the following:
- Accreditation Council of Continuing Medical Education (ACCME)
- California Board of Nursing
- Accreditation Council for Pharmacy Education (ACPE)

SCCM also provides credit for other healthcare professionals based on the target audience of the program.
Overview

There are 750,000 cases of severe sepsis every year in North America. More people die in one year in North America from severe sepsis than from breast cancer, lung cancer, and colon cancer combined. The incidence of sepsis is strikingly high and significantly underestimated by many physicians. SCCM’s upcoming 2012 Clinical Focus conference will focus on respiratory sepsis in the adult and pediatric critically ill patient. This conference will provide an overview of the new sepsis guidelines and bundles and discuss care of the critically ill patient with respiratory sepsis. The program will be presented by a multiprofessional team of experts in the field of sepsis and respiratory critical care medicine.

Learning Objectives

At the conclusion of this course, participants should be able to:

• Discuss the pathophysiology of sepsis-related respiratory failure
• Formulate a plan to identify sepsis early in the clinical course to limit organ dysfunction
• Define consequences of late identification of sepsis
• Interpret the 2012 sepsis guidelines as they translate to their associated bundles by correlating them to applications for clinical practice
• Analyze the various methods of oxygen delivery in patients with acute respiratory distress syndrome/acute lung injury
• Identify methods to diagnose, treat and prevent ventilator-associated pneumonia (VAP)
• Describe the approach to conventional mechanical ventilation in patients with sepsis-related respiratory failure
• Apply quality performance measures to track VAP and deliver feedback
• Compare ventilator- and non-ventilator-related strategies to address refractory hypoxemia

Intended Audience

This program is intended for clinicians who are working in the intensive care unit (ICU) or who have an interest in learning more about assessing, diagnosing, treating, and monitoring the patient with respiratory sepsis. These clinicians include the following:

• Nurse Practitioners
• Nurse Specialists
• Pharmacists
• Physicians
• Physician Assistants
• Respiratory Therapists
• Rehabilitation Therapists
• Staff ICU Nurses

Visit www.sccm.org/clinicalfocus for more details.
Adult Multiprofessional
Critical Care Board Review Course

July 24 – 28, 2012
Fairmont Chicago
Millennium Park
Chicago, Illinois, USA

**Founding Director**
**Henry Masur, MD, FCCM**
Clinical Professor of Medicine
George Washington University
School of Medicine
Washington, DC, USA

**Founding Director**
**Joseph E. Parrillo, MD, FCCM**
Cooper University Hospital/UMC
Camden, New Jersey, USA

**Overview**
The 2012 Adult Multiprofessional Critical Care Board Review Course (MCCBRC) will provide the most comprehensive review in the diagnosis, monitoring and management of critically ill patients. This course will include interactive board preparation sessions using audience response technology and feature practice board questions, answers and rationales. World-class faculty will focus on preparing fellows and attendings for their critical care certification and recertification. The course also will provide an excellent update for any critical care professional seeking the most current review of the field.

**Learning Objectives**
At the conclusion of this course, participants should be able to:

- Discuss relevant clinical topics to prepare for the critical care subspecialty board examination
- Assess the scientific foundations and literature evidence for the diagnosis, monitoring and management of patients with critical illness
- Compare information amongst multiprofessional practitioners involved in the practice of critical care medicine

**Intended Audience**
This course is designed as a comprehensive review in the diagnosis, monitoring and management of the critically ill patient as well as preparation for the critical care subspecialty examination. This continuing education offering is intended to meet the needs of any healthcare provider involved in the care of critically ill patients including:

- Advanced Practice Nurses
- Anesthesiologists
- Critical Care Fellows
- Critical Care Nurses
- Intensivists
- Internists
- Osteopaths
- Pharmacists
- Physician Assistants
- Respiratory Therapists
- Surgeons

Visit [www.sccm.org/boardreview](http://www.sccm.org/boardreview) for more details.
Ovewview

The 2012 Pediatric Multiprofessional Critical Care Board Review Course (MCCBRC) will be the premier source for any critical care professional seeking the most comprehensive review in the diagnosis, monitoring and management of pediatric critically ill patients. The program will feature world-class faculty, audience response interactions and Web-based materials.

Learning Objectives

At the conclusion of this course, participants should be able to:

• Discuss relevant clinical topics outlined by the American Board of Pediatrics to prepare for the critical care board examination in pediatrics
• Assess the scientific foundations and literature evidence for the diagnosis, monitoring and management of children with critical illness
• Compare information amongst multiprofessional practitioners involved in the practice of pediatric critical care medicine

Intended Audience

• Advanced Practice Nurses
• Anesthesiologists
• Critical Care Fellows
• Critical Care Nurses
• Intensivists
• Internists
• Pediatricians
• Pharmacists
• Physician Assistants
• Respiratory Therapists
• Surgeons

Visit www.sccm.org/boardreview for more details.
Overview
Make faster, better-informed clinical decisions that can improve patient outcomes with the power of visual medicine. Ultrasound examinations in the critical care setting are increasingly in demand because of equipment portability, ease of use and ability to provide immediate, accurate evaluations. Ultrasound also has become popular because it is relatively inexpensive, and presents little threat to both patients and practitioners. This well-rounded learning experience combines didactic lectures with hands-on skill stations to provide you with the training needed to perform point-of-care ultrasound examinations. You will learn how to recognize imaging characteristics of common critical care cases and how to guide treatment based on your findings.

Learning Objectives
At the conclusion of this course, participants should be able to:
• Demonstrate a foundation of ultrasound knowledge
• Practice acquisition of high-quality images via hands-on exercises
• Demonstrate image interpretation and utilization of ultrasound as a diagnostic tool

Intended Audience
• Advanced Practice Nurses
• Anesthesiologists
• Cardiologists
• Emergency Physicians
• Intensivists
• Physician Assistants
• Surgeons

Visit www.sccm.org/ultrasound for more details.
August 31, 2012
Fairmont Chicago
Millennium Park
Chicago, Illinois, USA

Overview
This one-day course is for physicians who want to expand upon their fundamental echocardiographic skills and knowledge and focus on the specialty-specific use of echocardiography in the management of the critically ill patient. The focus of this course will be on hemodynamics; it will provide clinicians with important cardiovascular information for the noninvasive management of the hemodynamically unstable patient.

Learning Objectives
At the conclusion of this course, participants should be able to:
• Demonstrate advanced ultrasound skills
• Describe the use of echocardiography in the assessment of hemodynamic parameters
• Describe the basic assessment of valvular pathology
• Identify the limitations of echocardiography in the intensive care unit setting
• Describe the use of ultrasonography for evaluation of pulmonary edema

Intended Audience*
• Advanced Practice Nurses
• Anesthesiologists
• Cardiologists
• Emergency Physicians
• Intensivists
• Physician Assistants
• Surgeons

*Must have previously attended a fundamental ultrasound course or be experienced with the basic skills

Visit www.sccm.org/ultrasound for more details.
Live Webcasts

SCCM’s webcast series presents timely topics of interest to critical care practitioners. Each CE/CME certified webcast is a live, online lecture specifically developed for the multiprofessional critical care team. Participants have the convenience of attending from their hospitals, offices or homes. At the completion of each lecture, attendees will have the opportunity to participate in an interactive question and answer session with the distinguished faculty. Each webcast provides 1.5 hours of continuing education credits. Visit www.sccm.org/webcasts for more details.

- The Pediatric O₂ Series, Session 1: Getting Oxygen In
  March 15, 2012
- Making a Business Case for an ICU Palliative Care Service
  March 22, 2012
- The Pediatric O₂ Series, Session 2: Moving Oxygen Around
  April 19, 2012
- Integrating the Communication Bundle into Your ICU
  April 26, 2012
- The Pediatric O₂ Series, Session 3: Measuring Adequacy of Oxygenation
  May 17, 2012
- How to Talk to Families about Palliative Care and End-of-Life Decisions
  May 24, 2012
- The Pediatric O₂ Series, Session 4: Turning Oxygen into Energy
  June 21, 2012
- Managing IAH and Abdominal Compartment Syndrome
  September 20, 2012
- Airway Complications and Management
  October 18, 2012
- When Is Deactivating a Permanent Cardiac Device Physician-Assisted Death?
  November 15, 2012
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Save 20% when you purchase both the On Demand course and its companion textbook.

Each year, the Society of Critical Care Medicine’s (SCCM) popular Congress pre-course, Current Concepts in Adult Critical Care, delivers the latest clinical information relevant to adult patients in the intensive care unit.

The 2012 course featured the following topics:
- Successful Management of Enteral Feeding
- Assessment Tools for Delirium
- Cardiopulmonary Resuscitation: What’s In, What’s Not
- Palliative Medicine
- Healthcare Reform and Critical Care Medicine
- Acute Kidney Injury: Pathogenesis and Prevention

Available in April, 2012!

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Current Concepts in Adult Critical Care Companion Textbook
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• An afternoon of attendance at the 2013 World Congress Meeting in Durban
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Optional Excursion to Cape Town
September 2-6, 2013

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