

The Hotel Hershey
100 Hotel Road
Hershey, PA

21st Annual
Challenges
In Critical Care
A Multidisciplinary Approach

Friday, August 26, 2016



★★ *Call for Scientific Poster Abstracts and Case Studies* ★★

A continuing education service of Penn State College of Medicine and Penn State Health
Milton S. Hershey Medical Center in cooperation with:



PA Chapter of the Society
of Critical Care Medicine
(PASCCM)



PennState
College of Medicine



Susquehanna Valley Chapter
of the American Association of
Critical Care Nurses (SVAACN)

Call for Scientific Poster Abstracts and Case Studies

► **Deadline: Friday, July 29, 2016**

Winners in each category will receive a \$500 cash award sponsored by PASCCM.

Posters will be viewed throughout the conference, and chosen case studies will be presented in a conference session.

Guidelines and submission information are available on our website at: pennstatehershey.org/ccs

Purpose

This annual conference is designed to promote the scientific evaluation of methods of care, and to translate current literature into strategies to optimize the care of the critically ill patient.

Audience

This conference is designed for health-care professionals involved in critical care:

Physicians
Advanced Practice Clinicians
Nurses
Respiratory Therapists
Pharmacists
Dietitians

Accommodations

Accommodations are the responsibility of the program participant. A list of Hershey area lodging is available upon request or online at: bit.ly/1DK2adG

Fees

Includes: Break Refreshments,
Cost of Instruction and Lunch

\$155 Per person

\$135 SVAACN Member

\$55 PASCCM Member

Registrations received after:

► **Thursday, August 25, 2016,**
will incur a \$25 late fee

Access

Penn State encourages persons with disabilities to participate in its programs. If you anticipate needing any type of special accommodation or have questions about the physical access provided, please contact Continuing Education in advance of your participation.

Cancellation Policy

Cancellations received later than:

► **Friday, August 19, 2016**
will incur a \$25 processing fee

No refunds after:

► **Monday, August 22, 2016**

The University reserves the right to cancel or postpone any course or activity because of insufficient enrollment or other unforeseen circumstances. If a program is canceled or postponed, the University will refund registration fees but cannot be held responsible for any related costs, charges, or expenses, including cancellation/change charges assessed by airlines or travel agencies. Preregistered participants will be notified if a program is filled or canceled.

Objectives

Apply gained knowledge to promote quality care of critically ill patients as provided by the multi-professional team

Examine evidence-based management strategies in critical care to evaluate and improve patient care in your practice

Review and integrate recommendations to identify areas for further study and improvement

Planning Committee

Barbara Birriel, MSN, ACNP-BC, FCCM*

Instructor, College of Nursing
Heart and Vascular ICU
The Pennsylvania State University

Sandralee Blosser, MD, FCCM*

Professor of Medicine, Surgery
and Anesthesia
Chief of Intensivist Development
Pittsburgh Critical Care Assoc., Inc.

Christine Burfete, MSN, RN*

Clinical Nurse Educator

Margaret Clanagan*

CME Conference Coordinator

Lori Cox, MSN, ACNP-BC, ACNPC, CCRN*

Neuroscience Critical Care Unit

Janette Foster, MD, MBA*

Assistant Professor of Pulmonary Medicine

Ashley Grim, BS, RRT-NPS*

Neonatal/Pediatric Clinical Educator
Neonatal ECMO Specialist
Department of Respiratory Care

Julia Kuzar, BSN, RN, CCRN

Holy Spirit Hospital
A Geisinger Affiliate

Ashley Quintili, PharmD, BCPS*

Clinical Specialist
Surgical/Anesthesia ICU
Department of Pharmacy

Janelle Reed*

Respiratory Therapy
Clinical Supervisor

Erin Sarsfield, MSN, RN, CCRN-K*

Clinical Nurse Specialist
Medical ICU

Margaret Wojnar, MD, MEd*

PASCCM
Pulmonary and Critical Care Medicine

Dan Wu, DO, FACOS, FACS

Medical Director
Associate Trauma Program
Lancaster General Health/Penn Medicine

*Penn State Health Milton S. Hershey Medical Center; Penn State College of Medicine

Credit

- ▶ 6.0 AMA PRA Category 1 Credit(s)[™]
- ▶ 6.0 hours of Continuing Respiratory Care (CRCE)
- ▶ 6.0 hours of patient safety/risk management education (†)
- ▶ Application has been made to The American Association of Critical-Care Nurses (AACN)
- ▶ 6.0 ACPE contact hours (0.6 CEUs)

Penn State College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Penn State College of Medicine designates this live activity for a maximum of 6.0 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This program has been approved for 6.0 contact hours Continuing Respiratory Care Education (CRCE) credit by the American Association for Respiratory Care.

This program includes 6.0 hours of patient safety/risk management education as required by the Pennsylvania State Board of Medicine. Please see the program schedule for the topic marked with a †.

Application has been made to The American Association of Critical-Care Nurses (AACN)

Penn State Health Milton S. Hershey Medical Center is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.



This knowledge-based activity has been assigned the Universal Activity Number of 0322-0000-16-016-L01-P. It has been approved for 6.0 contact hours (0.6 CEU) of continuing pharmacy education credit in states that recognize ACPE providers. The attendee list will be uploaded into CPE Monitor approximately one week after completion of the program. Statements of credit indicated in contact hours and CEUs will be available through CPE Monitor. Successful completion includes signing in at registration with personal NABP number and date of birth, attending the entire session for which credit is claimed, and completing the activity evaluation. Penn State Health Milton S. Hershey Medical Center complies with the Accreditation Standards for Continuing Education.

It is our policy to ensure balance, independence, objectivity, and scientific rigor in all of our educational programs. Faculty and course directors have disclosed relevant financial relationships with commercial companies, and Penn State has a process in place to resolve any conflict of interest. Complete faculty disclosure will be provided to program participants at the beginning of the activity.

Faculty

Richard Arbour, RN, MSN, CCRN, CNRN, CCNS, CCTC, FAAN

Neuroscience/Critical Care
Clinical Nurse Specialist
Lancaster General Hospital/Penn Medicine

Marie Baldisseri, MD, MPH

Associate Professor of Critical Care Medicine
University of Pittsburgh Medical Center

Barb Birriel, MSN, ACNP-BC, FCCM

Instructor, College of Nursing
Heart and Vascular ICU
The Pennsylvania State University

Michael Ditillo, DO, FACS

Attending Physician
Department of Surgery
Division of Trauma Critical Care
and Acute Care Surgery
Director, Allegheny General Hospital
Trauma ICU
Allegheny Health Network

Raymond Fang, MD, FACS

Colonel, USAF, MC, FS
Director, US Air Force Center for
Sustainment of Trauma and Readiness Skills
Baltimore R. Adams Conely Shock Trauma Center

Samuel I. Hammerman, MD, MMM, CPE, FCCP

Senior Vice President and Chief Medical Officer
Select Medical LTACH Division

Vivian Houghton, MSN, RN, CNS, IBCLC, CCE

Clinical Nurse Specialist
Maternal/Child Health
Lancaster General Hospital/Penn Medicine

Lewis Kaplan, MD, FACS, FCCM, FCCP

Associate Professor of Surgery
Department of Surgery
Division of Traumatology, Surgical Critical
Care and Emergency Surgery
Interim Chief, Surgery Service CMCVAMC
Section Chief, Surgical Critical Care
Perelman School of Medicine
University of Pennsylvania

Kunal Karamchandani, MD*

Assistant Professor of
Anesthesiology and Critical Care
Penn State Health Milton S. Hershey
Medical Center
Penn State College of Medicine

Niels Martin, MD, FACS, FCCM

Assistant Professor of Surgery
Section Chief, Surgical Critical Care
Program Director, Traumatology
and Surgical Critical Care Fellowship
University of Pennsylvania School of Medicine

Herbert Patrick, MD, MSEE, FACP, FACCP, FCCM

Intensivist, ARIA Health – Jefferson Health
Program Director, Critical Care Medicine
Fellowship; ARIA Health

William Seybert, RN, BSN, CCRN-CSC

Senior Professional Staff Nurse
Shadyside Cardio Thoracic ICU
University of Pittsburgh Medical Center

Desiree Soto, RN, CCRN

Electrophysiology/Device Nurse
ICD Support Group
at Einstein Heart Center

[This publication is available in alternative media on request.](#)

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Agenda / 7A.M.–4:30 P.M.

7:00 Check In/Posters/Exhibits

7:45

Welcome – PASCCM President

8:00 KEYNOTE /Critical Care in the Air: US Air Force Critical Care Air Transport Program †

Raymond Fang, MD, FACS

- Explain the US Air Force's baseline requirements for validating a casualty for aeromedical evacuation
- Differentiate the "roles of care" in the worldwide casualty care continuum
- Analyze future military operational scenarios for challenges to aeromedical evacuation

9:00 Break/Exhibits/Posters

9:30 CONCURRENT SESSION – 1

1A Post-Intensive Care Syndrome (PICS): Recovering from Failing to Recognize and Rescue †

Lewis Kaplan, MD, FACS, FCCM, FCCP

- List and characterize the forerunners and current clinical entities that comprise the syndrome
- Articulate and compare prevention strategies for the ICU as well as during after care to reduce the incidence of PICS
- Describe readily deployable methods of screening for PICS after ICU discharge as well as during post-ICU health system contact

1B Trans-Catheter Aortic Valve Replacement: Current and New Technology to Treat Changing Populations †

William Seybert, RN, BSN, CCRN-CSC

- Identify expanding and future uses, populations, and technology for transcatheter valves
- Modify bedside care plans and priorities for transcatheter valve patients as the technology changes
- Discover the options for treatment of aortic stenosis from transcatheter valve to surgical valve replacement and what the future holds

1C Acute Massive Pulmonary Embolus: Recognition, Rescue, Management and Recovery †

Richard Arbour, RN, MSN, CCRN, CNRN, CCNS, CCTC, FAAN

- Articulate patient selection for systemic versus catheter-directed pharmacological and mechanical thrombolysis as well as follow-up care
- Appraise an organized approach to pulmonary diagnostic study and optimal use of imaging data in determining direction of care
- Analyze pathophysiology and plan of care for acute pulmonary embolus causing pulmonary hypertension and risk of cardiopulmonary collapse

10:30 Break/Exhibits/Posters

10:45 CONCURRENT SESSION – 2

2A Surviving Critical Illness: Understanding Chronic Critically Ill (CCI) and Optimizing Outcomes in the Post-Acute Setting †

Samuel I. Hammerman, MD, MMM, CPE, FCCP

- Define the profile of a CCI Patient
- Describe post-intensive care syndrome
- Examine the differences between venues of care for recovery of CCI patients

2B Electrophysiology: Pre- and Post Nursing Consideration †

Desiree Soto, RN, CCRN

- List guideline indications for implantation of a pacemaker, ICD, ILR (insertable/implantable) loop recorder and CRT (cardiac resynchronization therapy devices)
- Describe basic pacemaker and ICD placement, function and follow-up
- List and describe pacing codes

2C Using Ventilator Waveforms to Reduce Analgesia and Sedation Needs †

Herbert Patrick, MD, MSEE, FACP, FACC, FCCM

- Identify patient-ventilator synchrony using the minimum and maximum values of plateau pressure
- Examine how Auto-PEEP reduces patient-ventilator synchrony
- Recognize the relationship between inspiratory time, I:E ratio, and patient-ventilator synchrony

1:00 CONCURRENT SESSION – 3

3A Sepsis-3: The New Definitions and Clinical Implications †

Barb Birriel, MSN, ACNP-BC, FCCM

- Discuss the sepsis-3 definitions and tools
- Apply sepsis-3 definitions and tools to clinical practice
- Examine potential application of sepsis-3 to advance sepsis research

3B Advanced Hemodynamics Optimization †

Niels Martin, MD, FACS, FCCM

- Discuss the pros and cons of the various resuscitative products
- Ascertain a patient's volume status using contemporary hemodynamic monitoring
- Interpret hemodynamic data to guide resuscitation

3C Case Studies

2:00 Break/Exhibits/Posters

2:15 CONCURRENT SESSION – 4

4A Hemostatic Resuscitation: Blood is Thicker Than Water †

Michael Ditillo, DO, FACS

- Define hemostatic resuscitation as well as identify the components of hemostatic resuscitation in any bleeding patient
- Discuss the pathophysiology of the acute coagulopathy of trauma (ACoT)
- Examine the treatment of acute coagulopathy of trauma (ACoT)

4B Cardiovascular Complications: Maternal Mortality †

Vivian Haughton, MSN, RN, CNS, IBCLC, CCE

- Describe three physiologic changes unique to pregnancy with their associated impact on maternal cardiac status
- Analyze at least two cardiovascular complications in perinatal patients requiring critical care
- Appraise the role of interdisciplinary teams in caring for critically ill perinatal patients

4C Preventing Ventilator Associated Events (VAE) †

Kunal Karamchandani, MD

- Explain the CDC's VAE surveillance program
- Examine the various strategies to prevent VAEs
- Recognize the importance of a multidisciplinary approach in preventing VAEs

3:20 CLOSING PLENARY/Disaster Management and Critical Care †

Marie Baldisseri, MD, MPH

- Recognize the role of critical care practitioners in global health and disaster medicine
- Examine how resource limitations and patient vulnerabilities affect critical care practice in resource-limited environments
- Explain how varying disease spectrum affects critical care practice in resource-limited environments

4:30 Awards, Evaluation and Adjournment

Registration

Register online using COMPASS, our registration and records system. New users are required to set up an account, which will provide access to your CE certificates and conference materials. A tutorial is available on our website.



Register Online Today!

pennstatehershey.org/ccs

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