At the conclusion of this course, participants should:

- Identify adjuncts for toxin removal and replacement therapy
- Review the components of early goal directed therapy in severe sepsis and septic shock
- Define severe cardiovascular and pulmonary failure; Are Mechnical Devices the Answer?

In the rapidly changing and diverse field of critical care medicine, it is difficult to know what information can be a game changer. This course will present the cutting edge topics in critical care where new information and innovative technologies are changing the practice models in our ICUs today. These presentations will be given by nationally acclaimed experts in their respective areas.

TARGET AUDIENCE
Recommended Audience: Physicians, Fellows, Residents, Physician Assistants, Nurse Practitioners, and allied Health Professionals working in the field of Critical Care Medicine.

LEARNING OBJECTIVES
At the conclusion of this course, participants should be able to:

- Define severe cardiovascular and pulmonary failure and the use of mechanical device support as an adjunct to care
- Explain the components of early goal directed therapy in severe sepsis and septic shock
- Review the components of early goal directed therapy in sepsis in light of recent literature
- Have a discussion of assessment of adequacy of perfusion
- Identify adjuncts for toxin removal and replacement therapy
- Explain the concept of humanism and its relevance to patient care

AGENDA

7:00 – 8:00 am  Registration/Vendor Time
8:00 – 8:15 am  Welcome/Opening Remarks
Marc Zubrow, MD, FACP, FCCM
Thomas Scales, MD, FACS, MCCM
8:15 – 9:00 am  “Early Goal Directed Therapy in Severe Sepsis and Septic Shock: Concept, Components, and Outcomes Over a Decade Later”
Emanuel Rivers, MD, MPH, IOM
9:00 – 9:45 am  “Severe Cardiovascular and Pulmonary Failure; Are Mechanical Devices the Answer?”
Daniel L. Herr, MD, MS, FCCM
9:45 – 10:00 am  Break
10:00 – 10:45 am  “Advances in the Treatment of Post-Cardiac Arrest Syndrome”
Stephen Trzeciak, MD, MPH
10:45 – 11:45 am  Discussion Time: Open Access to the Experts.
Emanuel Rivers, MD, MPH, IOM; Daniel L. Herr, MD, MS, FCCM; Stephen Trzeciak, MD, MPH; and Marc Zubrow, MD FACP, FCCM
11:45 am – 1:00 pm  Lunch and Keynote Address
“Humanistic Care in a High Tech Environment: Is It Possible and How Does It Look?”
Thomas Scales, MD, FACS, MCCM
1:00 pm – 1:45 pm  “Pain, Analgesia, Delirium; What’s Next?”
Richard Riker, MD, FCCM
1:45 – 2:00 pm  Break
2:00 – 2:30 pm  “Critical Care Ultrasound; Where is the Wave Taking Us?”
Sarah Murthi, MD, FACS
2:30 – 3:00 pm  “To Chill or Not to Chill, and the Journal of Intensive Care Medicine.
Neeraj Badjatia, MD, MS, FCCM
3:00 – 3:30 pm  “Alphabet Soup: MARS, CRRT, SCUF...Toxin Removal and Replacement Therapy”
Deborah Stein, MD, MPH, FACS
3:30 – 4:00 pm  Closing Remarks/Course Evaluations

ADDITIONAL COURSE FACULTY

- Emanuel P. Rivers, MD, MPH, IOM
  - Vice Chairman and Research Director, Dept. of Emergency Medicine
  - Attending Staff, Emergency Medicine and Surgical Critical Care, Henry Ford Hospital
  - Clinical Professor, Wayne State University
  - Detroit, Michigan
  - Dr. Rivers is a national and international research award recipient. He was the first physician in the history of Henry Ford Hospital to be inducted into the Institute of Medicine, National Academy of Sciences and has been called to serve on task forces to advise the United States government on health care issues. Dr. Rivers has published extensive work in the field of shock, sepsis, and resuscitation. Dr. Rivers serves as Vice Chairman and Director of Research for the Department of Emergency Medicine. He is a Senior Staff Attending Physician in the Critical Care Unit and the Emergency Department at Henry Ford Hospital in Detroit, Michigan.

- Thomas M. Scales, MD, FACS, MCCM
  - Francis X. Kelly Professor of Trauma Surgery
  - Physician in Chief
  - Director, Program in Trauma
  - R Adams Cowley Shock Trauma Center
  - Baltimore, Maryland
  - Dr. Scales is the Physician-in-Chief at the R Adams Cowley Shock Trauma at the University of Maryland, the nation’s only freestanding trauma hospital. He became the first medical school endowed Professor of Trauma, when he was appointed the Francis X. Kelly Professor of Trauma Surgery. Dr. Scales also serves as the System Chief for Critical Care Services at the University of Maryland Medical System. Recently, Dr. Scales was selected as Master of Critical Care Medicine by the Society of Critical Care Medicine.

- Richard R. Riker, MD, FCCM
  - Professor of Medicine
  - Tufts University School of Medicine
  - Neuroscience Institute and Department of Critical Care Medicine
  - Medical Director eCare
  - Portland, Maine
  - Dr. Riker is Professor of Medicine at Tufts University School of Medicine in the Neuroscience Institute and Department of Critical Care Medicine at Maine Medical Center in Portland. Dr. Riker has been honored for teaching excellence from the Departments of Medicine and Family Practice and has received a best research presentation award from the Society of Critical Care Medicine. He co-authored the 2002 Clinical Practice Guidelines for Sedation and Analgesia in the ICU from the Society of Critical Care Medicine. He is a reviewer for Critical Care Medicine, Chest, Critical Intensive Care, and the Journal of Intensive Care Medicine.

- Sarah Murthi, MD, FACS
  - Associate Professor
  - R Adams Cowley Shock Trauma Center
  - University of Maryland Medical Center
  - Baltimore, Maryland
  - Dr. Murthi is an Assistant Professor of Medicine in the Department of Emergency Medicine at the University of Maryland School of Medicine. Dr. Murthi received her medical degree from the University of Maryland and completed an internal medicine residency at the Naval Medical Center in Bethesda, Maryland. She subsequently completed a fellowship in critical care medicine at the University of Maryland. Dr. Murthi is a faculty member in the Department of Emergency Medicine at the University of Maryland School of Medicine and has served as the Program Director for the Emergency Medicine Residency Program since 2012. She is also an Associate Professor of Medicine at the University of Maryland School of Medicine. Dr. Murthi’s research interests include the development and implementation of care pathways for critically ill patients and the evaluation of educational strategies to improve patient care. She has published numerous articles in peer-reviewed journals and has served as a reviewer for several medical journals. Dr. Murthi is a member of the American College of Critical Care Medicine and the Society of Critical Care Medicine. She is also a member of the American College of Physicians and the Association for Academic Surgery. Dr. Murthi is a member of the American College of Physicians and the Association for Academic Surgery. She is also a member of the American College of Physicians and the Association for Academic Surgery. She is also a member of the American College of Physicians and the Association for Academic Surgery.
WELCOME TO BALTIMORE!
GAME CHANGERS AND NEW INNOVATIONS IN CRITICAL CARE
See what all of the excitement is about!

Watch the Orioles play at the fabulous Camden Yards or take in a show at the famous Hippodrome Theater. Take a guided tour around historic Fells Point, just one of the nifty neighborhoods that showcase Baltimore’s local flavor. Say hello to the newest members of the lion family at the Maryland Zoo in Baltimore.

The Baltimore Hilton is located within walking distance to Baltimore’s Inner Harbor, the Maryland Science Center and IMAX Theater, the National Aquarium, Pier Six concert pavilion, world-famous museums, fashionable shopping, and world-class dining. Visit Fort McHenry, a national historic site where Francis Scott Key brought to life our National Anthem. Or visit Annapolis, the capital of Maryland, less than an hour’s drive away and home to dozens of historic sites, funky shops, and great seafood.

To see what’s happening in and around Baltimore while here for the conference, please visit www.baltimore.org.

REGISTRATION FORM
GAME CHANGERS AND NEW INNOVATIONS IN CRITICAL CARE
Friday, September 19, 2014

Online Registration Preferred (please register by September 17, 2014):

REGISTRATION FEE

Before August 19, 2014:
Physicians (MD, DO, PA) - $150; Other Healthcare Professionals/Trainees - $100

After August 19, 2014:
Physicians (MD, DO, PA) - $175; Other Healthcare Professionals/Trainees - $125

Please make checks payable to: University of Maryland
Or you may pay by Mastercard or Visa

Total Amount Enclosed

Conference Location: The Baltimore Hilton, 401 West Pratt Street, Baltimore, Maryland, 21201. The Hilton Baltimore is located one block west of the Convention Center stop on the Light Rail.

Driving Directions:
From the North or South: Follow 1-95 to exit 52 (Russell Street). Turn right onto Pratt Street and the hotel entrance will be immediately on your right.

From 1-83: Follow 1-83 (Jones Falls Expressway) to Lombard Street. Take a right on Lombard Street, then a left on Green Street. Take a left on Pratt Street. The hotel will be two blocks on the right.

Hotel Parking Garage:
A discounted rate will be provided to conference attendees who are in before 9:00 am and out before 5:00 pm.

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Please mail, fax, or email your completed registration form to:
Althea Pusateri
University of Maryland School of Medicine
655 W. Baltimore Street, BB, 14-012 BRB
Baltimore, MD 21201
apusateri@som.umaryland.edu
Fax: 410-706-3103

If mailing registration, please send no later than September 7, 2014