

Preliminary Program

A blue ECG line graphic that starts with a small spike, rises to a sharp peak, falls to a baseline, and then has two small wavy lines at the end.

Advances in
Critical
Care

2019

September 13-14

INTERCONTINENTAL HOUSTON - MEDICAL CENTER

Baylor
College of
Medicine®

ABOUT THE CONFERENCE

The Advances in Critical Care Conference provides an opportunity to connect with colleagues, network and collaborate with critical care experts, and explore cutting-edge tools, technologies and processes. Bringing together all members of the multidisciplinary team caring for the critically ill patient, this joint medical and surgical critical care two-day event will feature internationally renowned faculty and content sessions highlighting evidence-based developments in critical care. The panel sessions will feature discussions on sepsis, ARDS, trauma, ECMO, shock, acute kidney injury and highlighted by a lunchtime keynote address on the clinical conundrum of analgesia, sedation, and delirium management to promote ICU Liberation.

This course provides the opportunity to discuss treatment challenges to update one's practice as well as breakout sessions to promote facility with technologies routinely utilized to manage patients. Finally, guidelines, algorithms, and other organizational features necessary to running a highly effective ICU will be shared. Participants will have the opportunity to talk directly to expert faculty sharing their experiences in avoiding pitfalls, recognizing clinical pearls, and enhancing staff well-being.

TARGET AUDIENCE

This course is designed for physicians, physician assistants, nurse practitioners, registered nurses, and other medical care providers who must maintain the state-of-the-art knowledge required to care for medical and surgical critical care patients.

LEARNING OBJECTIVES

At the conclusion of the activity the participant should be able to:

- Use the skills gained to implement more efficient/accurate diagnosis processes and treatment techniques to provide improved care for critically ill patients.
- Utilize ECMO, percutaneous mechanical support devices, REBOA, and other tools in the management of critically ill patients.

ACCREDITATION / CREDIT DESIGNATION

Physicians

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Texas Heart Institute and Baylor College of Medicine. Texas Heart Institute is accredited by the ACCME to provide continuing medical education for physicians.

Texas Heart Institute designates this live activity for a maximum of **14 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MOC

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to **14.00 Medical Knowledge MOC points** in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Nurses

CHI St. Luke's Health Baylor St. Luke's Medical Center is an approved provider of continuing nursing education by the Texas Nurses Association - Approver, an accredited approver with distinction by the American Nurses Credentialing Center's Commission on Accreditation.

Up to **11.25 contact hours** will be awarded for successful completion of this activity. To receive a certificate of completion with awarded contact hours, you are required to sign-in at registration each day, attend the entire program or partially for topics listed on the tracker and return the completed evaluation form each day.

CONFERENCE ORGANIZERS

Conference Co-Chairs



S. Rob Todd, MD
Michael E. DeBakey Department of Surgery



Subhasis Chatterjee, MD
Michael E. DeBakey Department of Surgery



Kalpalatha K. Guntupalli, MD
Pulmonary, Critical Care, and Sleep Medicine



James P. Herlihy, MD
Pulmonary, Critical Care, and Sleep Medicine

Organizing Committee

Elaine Allbritton
Ashley Benning
Ronnetta Etter

Scott Holmes
Susan Ressler
Todd K. Rosengart, MD

VENUE

InterContinental Houston - Medical Center



6750 Main Street
Houston, Texas, 77030
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The towering twenty-one-story new InterContinental Houston – Medical Center is a full-service luxury hotel inspired to showcase a distinctive blend of contemporary style, classic sophistication, and sustainable design to perfectly complement the needs of the diverse, vibrant Texas Medical Center community and the internationally acclaimed city of Houston.



SCIENTIFIC PROGRAM

Friday, Sept. 13, 2019

- 7:00-7:45 am Registration & Breakfast
- 7:45-8:00 am Welcome
Drs. Subhasis Chatterjee and S. Rob Todd

Session I: Sepsis 2019

- 8:00-8:15 am New Frontiers in Sepsis
- Dr. Mitchell Levy
- 8:15-8:30 am Individualized or Protocolized Care
- Dr. Christopher K. Morgan
- 8:30-8:45 am ESBL and Other Emerging MDR Pathogens in the ICU - Dr. Sergio Trevino Castillo
- 8:45-9:00 am Panel Discussion
Moderator - Dr. James P. Herlihy

Session II: The Broken Heart

- 9:00-9:15 am Mechanical Circulatory Support for the Failing Heart: When to do what? - Dr. Andrew Civitello
- 9:15-9:30 am STEMI Management Pearls
- Dr. Marwan Jumean
- 9:30-9:45 am LVAD Management in the ER
- Dr. Ajith P. Nair
- 9:45-10:00 am Panel Discussion
Moderator - Dr. Biswajit Kar
- 10:00-10:30 am Exhibitor Hall Break

Session III: Critical Care Potpourri

- 10:30-10:45 am Encouraging Non-Opioid Multi Modal Pain Management
- Dr. John A. Harvin
- 10:45-11:00 am HELLP: Acute Obstetrical Crises
- Dr. Amir Shamshirsaz

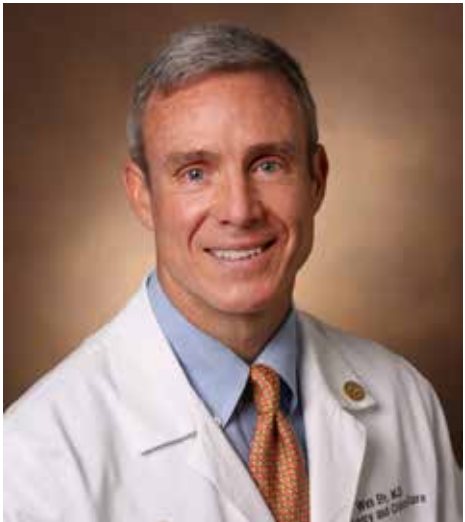
- 11:00-11:15 am Rapid Reversal of Bleeding with NOACS - Dr. Jerrold H. Levy
- 11:15-11:30 am Panel Session
Moderator - Dr. Jeremy Ward

Session: IV: Point Counterpoint: Steroids

- 11:30-11:40 am Point: Early RRT is Better
- Dr. Rajeev Raghavan
- 11:40-11:50 am Counterpoint: No Advantage to Early RRT
- Dr. Kevin Finkel
- 11:50-12:00 pm Panel Discussion
Moderator - Dr. Rob Southard

Lunch Keynote Speaker

- 12:00-1:15 pm Analgesia, Sedation, and Delirium Management Advances in ICU Liberation to Save Lives - Dr. E. Wesley Ely



ABOUT THE KEYNOTE SPEAKER

Dr. Ely is a subspecialist in Pulmonary and Critical Care Medicine who conducts patient-oriented, health services research as a Professor of Medicine in the Division of Allergy, Pulmonary, and Critical Care Medicine at Vanderbilt University School of Medicine. He is also a practicing intensivist with a focus on Geriatric ICU Care, as the Associate Director for Research for the VA Tennessee Valley Geriatric Research and Education Clinical Center. Dr. Ely's research has focused on improving the care and outcomes of critically ill patients with ICU-acquired brain disease (manifested acutely as delirium and acquired dementia following critical illness). He has built the Critical Illness, Brain Dysfunction, and Survivorship (CIBS) Center with over 90 research scientists at Vanderbilt and the TN Valley VA medical centers, and amassed thousands of patients into cohort studies and randomized trials that were used to build the methodology for ICU acquired brain disease research. His team developed the primary tool (CAM-ICU, translated into 30+ languages) by which delirium and health-related quality of life outcomes are measured in ICU-based trials and clinically at the bedside in ICUs worldwide. Dr. Ely has been continuously federally funded (NIA and/or VA) for almost 20 years. He has over 400 peer-reviewed publications.

Session V: Breathe Easier

1:15-1:30 pm	Airway Management: The CHEST Algorithm - Dr. Sandeep Markan
1:30-1:45 pm	Alternative Modes of Mechanical Ventilation in ARDS - Dr. Dan Bonville
1:45-2:00 pm	ECMO in ARDS - When to Pull the Trigger? - Dr. Subhasis Chatterjee
2:00-2:15 pm	Panel Discussion Moderator - Dr. Christopher Howard

Session VI: Neurocritical Care Pearls for Everyone

2:15-2:30 pm	Traumatic Brain Injury in 2019: What's New? - Dr. Charles Cox
2:30-2:45 pm	Seizures: What Every Intensivist Should Know - Dr. Chethan P.V. Rao
2:45-3:00 pm	Panel Discussion Moderator - Dr. HuiMahn A. Choi
3:00-3:30 pm	Exhibitor Hall Break

Session VII: Skills to Impress

3:30-4:00 pm	Ultrasound Knobology - Dr. Jennifer Carnell and Dr. Jose Diez-Gomez
4:05-4:35 pm	Mechanical Circulatory Devices - Dr. Ziad Tiameh
4:40-5:10 pm	Complex Mechanical Ventilation - Dr. Kalpalatha K. Guntupalli and Dr. Christopher Howard
5:15-6:15 pm	Reception & Exhibitor Hall Break

Saturday, Sept. 14, 2019

7:00-8:00 am Registration & Breakfast

Session VIII: The Broken Heart: Part II

8:00-8:15 am	The Latest Strategies to Manage Vasoplegic Shock - Dr. Faisal Masud
8:15-8:30 am	AFib in the ICU: Rate, Rhythm, and Antithrombotic Therapy - Dr. Mehdi Razavi
8:30-8:45 am	ECMO and CPR in 2019 - Dr. Bindhu Akkanti
8:45-9:00 am	Panel Discussion Moderator - Dr. Subhasis Chatterjee

Session IX: Point Counterpoint: Renal Replacement Therapy

9:00-9:10 am	Point: Steroids in the ICU: Underused - Dr. Lillian S. Kao
9:10-9:20 am	Counterpoint: Steroids in the ICU: Overused - Dr. Christina C. Kao
9:20-9:30 am	Panel Discussion Moderator - Dr. Drew Davis
9:30-10:00 am	Exhibitor Hall Break

Session X: Current Concepts in Trauma

10:00-10:15 am	REBOA: Where are We Now? - Dr. Laura J. Moore
10:15-10:30 am	Whole Blood or Component Therapy Dr. John B. Holcomb
10:30-10:45 am	Unstable Trauma Patients: OR Versus Diagnostics - Dr. S. Rob Todd
10:45-11:00 am	Panel Discussion Dr. Chad Wilson

Session XI: Big Data

- 11:00-11:15 am Quality Metrics: How to Evaluate an ICU - Dr. Joe Nates
- 11:15-11:30 am Computerized Decision Support: The Future is Now - Dr. James P. Herlihy
- 11:30-11:45 am The Rapid Response Wave - Dr. Babith J. Mankidy
- 11:45-12:00 pm Panel Discussion
Moderators - Dr. Julia Galvani and Dr. Aanand Naik

12:00-1:15 pm The DaMattox Code
- Dr. Kenneth L. Mattox

Lunch Keynote Speaker



ABOUT THE KEYNOTE SPEAKER

Dr. Kenneth L. Mattox is one of the most recognized surgeons around the world. He is Distinguished Service Professor of the Michael E. DeBakey Department of Surgery at Baylor College of Medicine and Chief of Staff/Chief of Surgery at Ben Taub Hospital. He helped develop the internationally renowned Ben Taub Hospital Emergency Center and its equally respected Trauma Center. His reputation as an innovator in trauma care is worldwide. He has made original and significant contributions in trauma resuscitation, trauma systems, thoracic trauma, vascular injury, autotransfusion, complex abdominal trauma and multi-system trauma. His research in preoperative fluid restriction for penetrating trauma shook the foundation of surgical doctrine in this area. His textbook, *Trauma*, is an international best seller, now in its 8th edition, and he is co-editor of the *Sabiston's Textbook of Surgery*, recognized throughout the world. He is co-editor of the second edition of *Rich's Vascular Trauma*. He co-authored the unique, international best seller, *Top Knife*, a practical guide to trauma care, translated into nine foreign languages.

Session XII: Liver la Vida Loca

- 1:15-1:30 pm The Hepatorenal Syndrome: Challenges in Cirrhosis Management - Dr. Joe Galati
- 1:30-1:45 pm Acute Liver Failure 101 - Dr. Rise Stribling
- 1:45-2:00 pm Panel Discussion
Moderator - Dr. Ronald Cotton

Session XIII: Critical Care Potpourri: Part II

- 2:00-2:15 pm Glycemic Control in the ICU: What's the Latest? - Dr. Michele Loor
- 2:15-2:30 pm Nutrition in the ICU: Concepts and Controversies - Dr. Chad Wilson
- 2:30-2:45 pm Reduce ICU Provider Burnout
Dr. Kalpalatha K. Guntupalli
- 2:45-3:00 pm Panel Discussion
Moderator - Dr. Marcus Hoffman
- 3:00-3:15 pm Closing Remarks

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