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.

ACCREDITATION

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.

CREDIT DESIGNATION

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.
CONFERENCE ORGANIZERS
Conference Co-Chairs

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

Subhasis Chatterjee, MD
Micheal 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
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. Laila E. Woc-Colburn
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 - TBD
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
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:00-11:15 am</td>
<td>Rapid Reversal of Bleeding with NOACS - Dr. Jerrold H. Levy</td>
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<td>11:15-11:30 am</td>
<td>Panel Session</td>
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<td>Moderator - Dr. Jeremy Ward</td>
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<td>Session: IV: Point Counterpoint: Steroids</td>
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<td>11:30-11:40 am</td>
<td>Point: Steroids in the ICU: Underused - Dr. Lillian S. Kao</td>
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<td>11:40-11:50 am</td>
<td>Counterpoint: Steroids in the ICU: Overused - Dr. Christina C. Kao</td>
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<td>11:50-12:00 pm</td>
<td>Panel Discussion</td>
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<td>Moderator - Dr. Drew Davis</td>
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<td>Lunch Keynote Speaker</td>
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<td>12:00-1:15 pm</td>
<td>Analgesia, Sedation, and Delirium Management Advances in ICU Liberation to Save Lives - Dr. E. Wesley Ely</td>
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**ABOUT THE KEYNOTE SPEAKER**

Dr. E. Wesley Ely is a professor of medicine at Vanderbilt University School of Medicine with subspecialty training in Pulmonary and Critical Care Medicine. 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 chronically as acquired dementia). He is the co-director of the Center for Critical Illness, Brain dysfunction, and Survivorship (CIBS Center), which has amassed thousands of patients into cohort studies and randomized trials answering vital questions about ICU acquired brain disease and other components of ICU survivorship. His team developed the primary tool (CAM-ICU, translated into 30+ languages) which is used to measure delirium in ICU-based trials and clinically at the bedside in ICUs worldwide. Dr. Ely has been continuously federally funded (NIA and/or VA) for over 15 years. He has over 400 peer-reviewed publications and over 50 published book chapters and editorials.
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

4:05-4:35 pm  Mechanical Circulatory Devices - Dr. Subhasis Chatterjee and 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抗thrombotic Therapy
  - Dr. Mehdi Razavi

8:30-8:45 am ECMO and CPR in 2019 - TBA

8:45-9:00 am Panel Discussion
  Moderator - Dr. Subhasis Chatterjee

**Session IX: Point Counterpoint: Renal Replacement Therapy**

9:00-9:10 am Point: Early RRT is Better - TBA

9:10-9:20 am Counterpoint: No Advantage to Early RRT
  - Dr. Kevin Finkel

9:20-9:30 am Panel Discussion
  Moderator - Dr. Rob Southard

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

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 and Onions

1:15-1:30 pm  The Hepatorenal Syndrome: Challenges in Cirrhosis Management - TBA

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