2017
Houston, Texas

The Fifth Annual
Neuro ICU Symposium
Cutting-edge management of neurological and neurosurgical emergencies and critical care

The Future of Neurotrauma and Neurocritical Care

March 22-24, 2017
Hyatt Regency Houston
Houston, Texas
U.S.A.
2017 Theme: The Future of Neurotrauma and Neurocritical Care

2017 Highlights:

*New This Year: A full day critical care nursing symposium! A comprehensive program for critical care nurses.

*New This Year: A full day of neurocritical care board review. Ace the boards! This will help you prepare not only for the neurocritical care board but also other types of critical care board examinations.

*The 4th Brain Trauma Foundation Guidelines: Review the evidence and hear it directly from one of the guideline authors.

*Saving the Brain Starts in the Emergency Room: Focus on the core of ultra-early brain resuscitation in the ER. Injured brains do not wait for you to open up a bed in the Neuro ICU.

*Heart-Brain Interface: Advanced hemodynamic management for severe brain injury. Explore the intimate relationship between the heart and the brain.

*Hot Topics and Controversies: Back by popular demand! We have a time-sensitive question and must make decisions now, before class I data is available. Watch experts and authorities in the field debate against each other.

*Different Viewpoints: “This is how I manage it.” Two experts demonstrate different ways of managing challenging clinical cases. There is more than one right way of doing things in medicine.

Date
March 22-24, 2017

Location
Hyatt Regency Houston
1200 Louisiana St.
Houston, Texas 77002

Course Description
The fifth annual Neuro ICU Symposium is our successful two-and-a-half day CME course designed to educate physicians and other healthcare professionals on how to optimally manage patients using a team approach and evidence-based medicine. This year’s emphasis will be on the future of neurotrauma and the Neuro ICU, focusing on optimization of brain resuscitation in emergency rooms and ICUs. The course has a different look this year and has many exciting highlights: the latest Brain Trauma Foundation guidelines, ER brain resuscitation, advanced hemodynamic management in the unit, hot topics that are controversial and ever-popular “Different Viewpoints” discussions. New for this year: parallel programs on Day 1 of the conference—a full day
will be dedicated to nursing education as well as a separate neurocritical care board review course.

**Learning objectives**
As a result of attending this symposium, participants will:

1. Discuss the latest evidence-based and cutting-edge medical literature in acute neurological and neurosurgical emergencies and discuss how to resuscitate patients with injured brains due to various etiologies.
2. Describe the hot topics in neurological and neurosurgical emergencies and recommendations for management.
3. Treat multiple end-organ system failures that occur in patients with acute brain injury.
4. Develop appropriate strategies for incorporating evidence-based protocols into clinical management through the use of case-based learning and real-life examples.
5. Apply the latest international guidelines on brain trauma when caring for patients.

**Audience**
General and consult neurologists, stroke neurologists, neurointensivists
General, vascular, spine and trauma neurosurgeons
Pulmonary critical care medicine physicians
Surgical critical care and general/trauma surgeons
Anesthesiology critical care medicine physicians
Emergency medicine physicians
Critical care registered nurses, neurological nurses
Acute care nurse practitioners, physician assistants
EMTs and paramedics
Pharmacists
Physicians and surgeons in training

**Course Director**


Vice Chairman of Neurosurgery for Critical Care
Associate Professor of Neurosurgery and Neurology
Director, Neuroscience and Neurotrauma Intensive Care Unit
Chief, Division of Neurocritical Care

Mischer Neuroscience Institute
McGovern Medical School at UTHealth
Memorial Hermann-Texas Medical Center
Houston, Texas
McGovern Medical School at UTHealth Faculty Speakers

Wamda Ahmed, M.D., Assistant Professor, Vivian L. Smith Department of Neurosurgery, McGovern Medical School
Bindu Akkanti, M.D., Assistant Professor of Critical Care Medicine, Department of Medicine, McGovern Medical School
Salman A. Arain, M.D., Assistant Professor, Division of Cardiovascular Medicine, Department of Medicine, McGovern Medical School
Andrew Barreto, M.D., M.S., Associate Professor, Division of Cerebrovascular Diseases, Department of Neurology, McGovern Medical School
Spiros Blackburn, M.D., Associate Professor, Vivian L. Smith Department of Neurosurgery, McGovern Medical School
Ritvij Bowry, M.D., Assistant Professor, Vivian L. Smith Department of Neurosurgery and Neurology, McGovern Medical School
Robert Brown, M.D., Assistant Professor, Vivian L. Smith Department of Neurosurgery, McGovern Medical School
Tiffany Chang, M.D., Assistant Professor, Vivian L. Smith Department of Neurosurgery, Director of Neuromuscular Critical Care Fellowship Training Program, McGovern Medical School
P. Roc Chen, M.D., Associate Professor, Vivian L. Smith Department of Neurosurgery, McGovern Medical School
Reena Chokshi, M.D., Assistant Professor, Division of Gastroenterology, Department of Medicine, McGovern Medical School
Arthur Day, M.D., Professor, Vivian L. Smith Department of Neurosurgery, Director of Neurosurgery Residency Training Program, McGovern Medical School
Kevin Finkel, M.D., Vice Chair and Professor of Medicine, Division Director for Renal Diseases and Hypertension, Department of Medicine, McGovern Medical School
Nicole Gonzales, M.D., Associate Professor, Division of Cerebrovascular Diseases, Department of Neurology, McGovern Medical School
James C. Grotta, M.D., Director of Mobile Stroke Unit Consortium, Director of Stroke Research, Clinical Innovation and Research Institute, Vascular Neurologist, Memorial Hermann-Texas Medical Center
Sigmund Hsu, M.D., Assistant Professor, Vivian L. Smith Department of Neurosurgery, McGovern Medical School
Ryan Kitagawa, M.D., Assistant Professor, Vivian L. Smith Department of Neurosurgery, McGovern Medical School
Kiwon Lee, M.D., Vice Chair for Critical Care, Departments of Neurosurgery and Neurology, Associate Professor of Neurosurgery and Neurology, Director of Neuromuscular Critical Care, Neuroscience Intensive Care Unit, McGovern Medical School
Thy Nguyen, M.D., Assistant Professor of Neurology, Director of Clinical Neurophysiology Fellowship Training Program, McGovern Medical School
Sophie Samuel, PharmD, BCPS, Critical Care Clinical Specialist, Neurosciences, Memorial Hermann-Texas Medical Center
Jeremy Ragland, M.D., Assistant Professor, Vivian L. Smith Department of Neurosurgery, McGovern Medical School
Gary Spiegel, M.D., Associate Professor, Vivian L. Smith Department of Neurosurgery and Department of Neurology, McGovern Medical School
Robert Wegner, M.D., Assistant Professor of Anesthesiology, McGovern Medical School
George Williams, M.D., Associate Professor and Assistant Program Director of Residency and Critical Care Fellowship, Department of Anesthesiology, McGovern Medical School
Edwin Wu, M.D., Clinical Instructor, Vivian L. Smith Department of Neurosurgery, McGovern Medical School
Memorial Hermann-Texas Medical Center Staff

Alese Henderson, BSN, RN, Memorial Hermann-Texas Medical Center
Nicole Harrison, MBA, BSN, RN, Memorial Hermann-Texas Medical Center
Erin Hutchins, MOT, OTR, Memorial Hermann-Texas Medical Center
Christina Luther, BSN, RN, Memorial Hermann-Texas Medical Center
Sandi Shaw, BSN, RN, Memorial Hermann-Texas Medical Center
Austin Schultea, BSN, RN, CCRN, Memorial Hermann-Texas Medical Center
Jenna Snow, BSN, RN, Memorial Hermann-Texas Medical Center
Kim Vu, LMSW, Memorial Hermann-Texas Medical Center
Colleen Zuckero, BSA, RN, CNRN, Memorial Hermann-Texas Medical Center

Invited Featured Speakers (in alphabetical order)

Karin M. Halvorson, M.D.
Assistant Professor of Clinical Medicine
Tulane University School of Medicine
Director, Intensive Care Unit
Southeast Louisiana Veterans Healthcare System
New Orleans, Louisiana
USA

Matthew A. Koenig, M.D., FNCS
Medical Director of Telehealth, The Queen's Health Systems
Associate Medical Director of Neurocritical Care,
The Queen's Medical Center
Associate Professor of Medicine,
University of Hawaii John A. Burns School of Medicine
Honolulu, Hawaii
USA

Stephan A. Mayer, M.D., FCCM
Professor of Neurology and Neurological Surgery
Director of Neurocritical Care
Former President of Neurocritical Care Society
Mount Sinai School of Medicine
New York, New York
USA

Jennifer L. Moran, MSN, ACNP-BC
Stroke Coordinator
Neurocritical Care Advance Practice Registered Nurse
The Queen’s Medical Center
University of Hawaii John A. Burns School of Medicine
Honolulu, Hawaii
USA

Kees Polderman, M.D., Ph.D.
Professor of Critical Care Medicine
Department of Critical Care Medicine
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania
USA
Andrés M Rubiano, M.D., Ph.D., FACS
Professor of Neurosciences and Neurosurgery
El Bosque University, Bogotá, Colombia
President, Neurotrauma and Critical Care Chapter
Colombian Association of Neurosurgery
Vice President, Neurotrauma and Critical Care Chapter
Latin American Federation of Neurosurgical Societies
Chair, International Committee,
Neurotrauma and Critical Care Section, AANS
Bogota, Colombia

Jose I. Suarez, M.D.
Professor of Neurology-Vascular Critical Care
Head, Section of Vascular Neurology and Neurocritical Care
Baylor College of Medicine
Houston, Texas
USA

2017 Annual Meeting Committee

Kiwon Lee, M.D., Associate Professor and Vice Chair of Critical Care, Vivian L. Smith
Department of Neurosurgery and Neurology, Director of Neurocritical Care, McGovern Medical School

Tiffany Chang, M.D., Assistant Professor of Neurosurgery and Neurology, McGovern Medical School

Brooke Moore, Program Coordinator of Residency Training Program, Vivian L. Smith
Department of Neurosurgery, McGovern Medical School

Brittany Zalman, Fellowship Program Coordinator, Neurocritical Care, Vivian L. Smith
Department of Neurosurgery, McGovern Medical School

Hannah Strake, Marketing Representative, Mischer Neuroscience Associates

Heather Webster, BSN, RN, CCRN, CNRN, SCRN, Neuroscience and Neurotrauma
Intensive Care Unit Clinical Education Specialist, Memorial Hermann-Texas Medical Center

Susan, Nevada, MSN, RN, CNRN, SCRN, Neuroscience Clinical Education Specialist,
Memorial Hermann-Texas Medical Center, Houston, Texas

Nkem Echendu, MBA, BS, RN-BC, Memorial Hermann-Texas Medical Center,
Houston, Texas

Alisse Pratt, Director of Marketing, System Neurosciences, Memorial Hermann Health System

Gayla Bruner, RN, BSN, Office of Continuing Medical Education, Memorial Hermann
Health System

Sophie Samuel, PharmD, BCPS, Critical Care Clinical Specialist, Neurosciences,
Department of Pharmacy Services, Memorial Hermann-Texas Medical Center
Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Texas Medical Association (TMA) through the joint providership of The Memorial Hermann Health System, the McGovern Medical School at UTHealth and Mischer Neuroscience Institute. The Memorial Hermann Health System is accredited by the TMA to provide continuing medical education for physicians.

Memorial Hermann Health System designates this live activity for a maximum of 17.5 **AMA PRA Category 1 Credit(s)™**. Participants should claim only the credit commensurate with the extent of their participation in the activity.

The presentation, “High Grade SAH: Who Dies and Why” by Stephan Mayer on March 23rd, has been designated by Memorial Hermann Health System for 0.50 credit(s) of education in medical ethics and/or professional responsibility.

Memorial Hermann-Texas Medical Center is an approved provider of continuing nursing education by the Texas Nurses Association - Approver, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

Memorial Hermann is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This conference will provide up to 15.2 contact hour(s) or 1.52 CEU continuing education units. Pharmacists must register for the meeting and complete an evaluation form for each individual presentation attended. Clearly mark the sessions attended, completely fill out the CE Attendance Form and provide your NABP eProfile ID and Birth Date (in MMDD format). If the information provided is not clear, you may not receive your continuing education credit.

**Registration Fees**

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<tr>
<th>Type</th>
<th>Early Bird Registration (closes Feb. 24th)</th>
<th>Registration (closes Mar 17th)</th>
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<td>Physicians</td>
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*Employed individuals who are only part-time students are not considered as full-time students and subject to fee based on their status.

**Disclosure**

The Neuro ICU Symposium adheres strictly to the regulations and policies set forth by the ACCME and the Texas Medical Association. In order to maintain
independence, fair balance and validity, all Program contents are to be reviewed by the CME office. All faculty speakers, annual meeting committee members, and coordinators are obligated to fully disclose any potential conflicts of interest in providing support and/or content for this educational event.

**Chairman’s Message**

Welcome to the fifth annual Neuro ICU Symposium in Houston. For the past five years, our conference has grown both in quality and quantity: hundreds of physicians, surgeons and other healthcare providers have come from multiple states and countries. Our symposium is one of the most popular neurocritical care conferences in the country, and we are now moving to an even larger conference center in Houston in order to accommodate a large number of attendees! Once again, we are excited to introduce a whole new set of programs. New for this year, we will dedicate the first full day to two parallel programs: a critical care nursing symposium and a 2017 neurocritical care board review course. Our Program content this year will also highlight the latest brain trauma foundation guidelines and pertinent medical evidence. As usual, neurocritical care will go beyond the boundaries of a Neuro ICU. A strong emphasis will again be placed on pre-hospital care as well as ultra-early brain resuscitation that starts in the emergency room. Continuing from previous years, we will discuss the relationship between the heart and the brain in order to optimize the delivery of oxygen and restore cerebral blood flow.

We live in a generation of evidence-based medicine, but there are many questions we have at the bedside for which we must make instant decisions without much data. In fact, when we do have so called “class I” data, the papers do not instruct us how to manage our patients, as care must be individualized based on good judgments. For these, we present to you “Hot Topics and Controversies,” constructive debates by leading authorities in the field. Back by popular demand, there will be debate-like programs, called “Different Viewpoints.” Two academic neurointensivists will demonstrate how they manage some of the most challenging clinical cases.

The Neuro ICU Symposium is not just for neurology and neurosurgery issues. Patients often have multi-organ failure, and as such successful resuscitation is not only geared towards the injured brain but also towards the rest of the body and all other end-organ systems. Saving brains but neglecting rest of the body is not what a true neurointensivist would do. Brain-injured patients are at a high risk of aspiration and ventilator-associated pneumonia – proficiency in airway management skills are critical. ARDS and other refractory cardiopulmonary conditions are not uncommon. Different states of shock can occur, requiring multiple vasoactive pharmacologic agents and occasionally even the need for ECMO and aortic balloon counterpulsation.
A modern Neuro ICU has become diagnostically and therapeutically a challenging place for clinicians and nurses. Our conference was launched with all of these concerns in mind. Each day, the Program is full of dynamic speakers and plenty of audience involvement.

Please join us for this exciting fifth annual Neuro ICU Symposium in Houston!

Kiwon Lee, M.D., F.A.C.P., F.A.H.A., F.C.C.M.

Course Director and Committee Chairman,
Fifth Annual Neuro ICU Symposium
Vice Chairman of Neurosurgery for Critical Care
Associate Professor, Department of Neurology and Vivian L. Smith Department of Neurosurgery
Chief, Division of Neurocritical Care
Director, Neuroscience, Neurotrauma and Neurovascular Intensive Care Unit
McGovern Medical School, Mischer Neuroscience Institute,
Memorial Hermann-Texas Medical Center, Houston, Texas, USA
DAY ONE: Wednesday, March 22, 2017

Critical Care Nursing Symposium
Parallel Session – 3rd Floor, Imperial Ballroom West

- A full-day course dedicated to an intensive care unit and neuroscience ward nursing symposium
- A comprehensive Program for neurocritical care and comprehensive stroke nursing
- Ethical dilemmas and neuro jeopardy

8 a.m.  
Continental Breakfast and Registration

8:50 a.m.  
Welcome remarks to the first annual critical care nursing symposium
Nicole Harrison, MBA, BSN, RN

Nursing Symposium I: Neurocritical Care Nursing
Moderators: Alese Henderson, BSN, RN; Austin Schultea, BSN, RN, CCRN

9 a.m.  
Why did we choose neurocritical care nursing?
Colleen Zuckero, BSA, RN, CNRN

9:30 a.m.  
Advanced neurological assessment: the most powerful tool is your neuro exam!
Alese Henderson, BSN, RN

10 a.m.  
Neurological emergencies and brain code
Kiwon Lee, M.D., FCCM

10:30 a.m.  
Break

11 a.m.  
Hypertonic Saline versus Mannitol in Traumatic Intracranial Hypertension
Sophie Samuel, PharmD, BCPS

11:30 a.m.  
Unstable patients: neuro and cardiac monitoring
Wamda Ahmed, M.D.

Noon  
Lunch

Nursing Symposium II: Comprehensive Stroke Management
Moderators: Jennifer Moran, RN, ACNP, Nicole Harrison, RN

1 p.m.  
How to achieve The Joint Commission’s CSC designation and sustain it
Nicole Harrison, MBA, BSN, RN and Sandi Shaw, BSN, RN

1:30 p.m.  
What’s in the details: Get with the Guidelines for Acute Stroke Nursing
Jennifer Moran, RN, ACNP

2 p.m.  
Intracerebral hemorrhages and aneurysmal subarachnoid hemorrhage
Tiffany Chang, M.D.

2:30 p.m.  
Break

3 p.m.  
Neurorehabilitation and recovery
Erin Hutchins, MOT, OTR
Interactive Sessions

Audience Response System for Participation
Moderators: Christina Luther, RN, Jenna Snow, RN

3:30 p.m.   Ethical dilemmas: Who is the decision maker? Why are we continuing medical care? Is this futile?
Kim Vu, LMSW

4 p.m.     Neuro Jeopardy
Christina Luther, BSN, RN and Jenna Snow, BSN, RN

4:45 p.m.  Adjourn

Neurocritical Care Board Review Course

Parallel Session – 3rd Floor, Cottonwood Conference Room

- A full-day course dedicated to preparation for the 2017 Neurocritical Care Board Examination
- Excellent course to review neurocritical care sections for neurosurgery, anesthesiology critical care and surgical critical care board examinations
- Speakers are required to present multiple choice questions and review answer choices rather than presenting traditional-type lectures

8 a.m.    Continental Breakfast and Registration

Neurocritical Care Board Review: Critical Care Medicine Section
Moderator: Tiffany Chang, M.D.

9 a.m.  Acute Coronary Syndrome, Heart Failure, and Conduction Disturbances
Salman A. Arain, M.D.

9:20 a.m.  ARDS, Mechanical Ventilation and VTE/PE
Karin Halvorson, M.D.

9:40 a.m.  Fluid, Electrolytes and Acute Kidney Injuries
Kevin Finkel, M.D.

10 a.m.   Endocrine Disorders in the ICU
Robert Brown, M.D.

10:20 a.m.  Break

10:40 a.m.  GI Bleeding and Hepatic Failure
Reena Chokshi, M.D.

11 a.m.   Sepsis and Antibiotic Therapies
Karin Halvorson, M.D.

11:20 a.m.  Critical Care Coagulopathy and Hemostatic Therapy
Tiffany Chang, M.D.

11:40 a.m.  General Trauma and Burns
Robert Wegner, M.D.

Noon  

**Lunch**

**Neurocritical Care Board Review: Neuro Section**  
**Moderator:** Mathew Koenig, M.D.

1 p.m.  
Ischemic Stroke and Intracerebral Hemorrhage  
Andrew Barreto, M.D.

1:20 p.m.  
Aneurysmal Subarachnoid Hemorrhage and AVM  
Kiwon Lee, M.D.

1:40 p.m.  
TBI and SCI  
Ryan Kitagawa, M.D.

2 p.m.  
Status Epilepticus and Seizure Disorders  
Jeremy Ragland, M.D.

2:20 p.m.  
**Break**

2:40 p.m.  
Neuromuscular Disorders  
Thy Nguyen, M.D.

3 p.m.  
CNS Infections  
Ritvij Bowry, M.D.

3:20 p.m.  
Toxic Metabolic Disorders  
Wamda Ahmed, M.D.

3:40 p.m.  
Neuro-Oncology and Paraneoplastic Syndromes  
Sigmund Hsu, M.D.

4 p.m.  
ICP, Coma, Herniation Syndromes and Brain Death  
Mathew Koenig, M.D.

4:20 p.m.  
**Adjourn**

**Opening Night Reception**

5 p.m.  
*Opening Night Welcome Reception and Exhibition Poster Presentation*

All invited  
*Hyatt Regency Houston – 2nd Floor Level, Windox Box*
DAY TWO: Thursday, March 23, 2017

7 a.m.  Continental Breakfast and Registration

8 a.m.  Opening and welcome remarks / video presentation
         Kiwon Lee, M.D.

A.M. Session: Cerebrovascular Emergencies

Acute ischemic stroke, aneurysmal subarachnoid hemorrhages and ruptured AVMs, intracerebral hemorrhages and IVH: these are critical topics in a neuro ICU. Mastering these topics is of paramount importance in running a successful academic neurocritical care program. Let’s hear it from the authorities!

Moderator  James Grotta, M.D.

8:10 a.m.  Acute Ischemic Stroke: Past, Present and Future
           James Grotta, M.D.

8:35 a.m.  Intracerebral Hemorrhage and IVH Management Update
           Nicole Gonzales, M.D.

9 a.m.    Critical Care Management for High Grade Aneurysmal SAH
           Jose Suarez, M.D.

9:25 a.m.  High Grade SAH: Who dies and why
           Stephan Mayer, M.D.

9:50 a.m.  Panel Discussion / Q&A

10 a.m.   Break - Exhibit hall open

A.M. Session: Vascular Neurosurgery

Medical therapies are simply sometimes not enough. Intra-arterial mechanical thrombectomy, EC-IC direct bypass surgery, providing a cure for AVMs – these are all done surgically. Let’s take a closer look at surgical options.

Moderator  Arthur Day, M.D.

10:30 a.m. Intra-arterial Mechanical Thrombectomy: use of ASPECTS and collaterals
           Roc Chen, M.D.

10:55 a.m. STA-MCA Bypass surgery: when to do it and how to monitor them
           Spiros Blackburn, M.D.

11:20 a.m. Surgical Management of AVM and Aneurysm
           Arthur Day, M.D.

11:45 a.m. Vasospasm Monitoring: CTA, TCD, CTP
           Ritvij Bowry, M.D.

12:10 p.m. Panel Discussion / Q&A
12:20 p.m.  Lunch

**P.M. Session: Neurotrauma 2017**

The latest Brain Trauma Foundation guidelines have been published and provide higher levels of evidence and recommendations for trauma centers around the world. Hear it directly from the experts in neurotrauma. ICP/CPP targets, brain oxygenation, venous saturations and more! This exciting session will help you construct protocols for your own centers.

**Moderator**  Jose Suarez, M.D.

1:20 p.m.  Special Lecture 1 – introduced by Dr. Jose Suarez, M.D.

*The latest Brain Trauma Foundation Guidelines*

Andres Rubiano, M.D.
*Professor of Neurosurgery*
*El Bosque University*
*Bogota, Colombia*

1:50 p.m.  Different Views: Refractory ICP in TBI

Surgical decompression is the way to go: Ryan Kitagawa, M.D.
Medical management is often preferred: Robert Brown, M.D.

2:20 p.m.  Brain Oxygenation and SjvO2 Monitoring: Should it be standard?

Andres Rubiano, M.D.

2:45 p.m.  Coagulation Disturbances in TBI:

What to do with those bleeding and clotting patients
Tiffany Chang, M.D.

3:10 p.m.  **Panel Discussion / Q&A**

3:20 p.m.  **Break - Exhibit hall open**

**P.M. Session: Medical Complications Management**

Sodium, water balance, DI, SIADH, CSW, steroids and adrenal insufficiencies: putting them all together to optimize homeostasis for critically ill patients. What is the latest information about blood pressure targets after multiple class-I type evidences have been published?

**Moderator**  Kees Polderman, M.D.

3:40 p.m.  Fluid, Electrolytes and Everything Else

Kees Polderman, M.D.

4:05 p.m.  Acute Respiratory Distress Syndromes and ECMO

Bindu Akkanti, M.D.

4:30 p.m.  Special Lecture 2 – introduced by Dr. Kees Polderman, M.D., Ph.D.

*Blood Pressure Management after Intracerebral Hemorrhage*

Jose Suarez, M.D.
*Professor of Neurology and Neurosurgery*
*Baylor College of Medicine*
*Houston, Texas*

5 p.m  **Panel Discussion / Q&A**

5:10 p.m.  **Adjourn**
Faculty Dinner Reception

6:30 p.m.  Faculty Dinner
(Speakers only)

DAY THREE: Friday, March 24, 2017

7 a.m.  Continental breakfast

A.M. Session: Simulation Labs and Workshops
2nd Floor, Window Box

Join us for fun and interactive simulation labs and workshops. In just an hour, you will familiarize yourself with critical care ultrasonography, transcranial Doppler and multiple neuroimaging modalities!

Moderator:  Robert Brown, M.D.

8 a.m.  Emergency and Critical Care Ultrasonography
Edwin Wu, M.D.

Transcranial Doppler
Andrew Barreto, M.D.

CT, ASPECTS, CTA, CTV, ANGIO
Robert Brown, M.D.

Targeted Temperature Management
Jeremy Ragland, MD

A.M. Session: Special Lectures for Super Sick Patients
3rd Floor, Imperial Ballroom West

Patients who suffer from multiple organ failures and challenging neurological crisis—these are super sick patients whom you can save. Learn how to save lives beyond expectation from the masters of neurocritical care!

Moderator:  Stephan Mayer, M.D.

9 a.m.  Special Lecture 3
Encephalitis and Super Refractory Status Epilepticus
Stephan Mayer, M.D.

9:30 a.m.  Special Lecture 4
Refractory ICP Crisis and Herniation Syndromes
Mathew Koenig, M.D.

10 a.m.  Special Lecture 5
Targeted Temperature Management
Kees Polderman, M.D.

10:30 a.m.  Special Lecture 6
Advanced Hemodynamic Management
Kiwon Lee, M.D.
A.M. Session: Crossfire Debate—Hot Topics and Controversies

You need answers now. You don’t have time to wait for more Class I type evidence!
For hot topics and controversies, what do experts think? You get to hear them and vote for winners!

Moderator: Kiwon Lee, M.D.

Panel: George Williams, M.D., Jose Suarez, M.D.,
Tiffany Chang, M.D., Mathew Koenig, M.D., Kiwon Lee, M.D.
(There is a prize for the winners, and panel members are to ask questions before rebuttal)

11:30 a.m. “Intrathecal rt-PA injection for IVH to improve long term neurological outcomes”
Arthur Day, M.D. (totally do it)
James Grotta, M.D. (no way)

11:55 a.m. “Treatment of angiographic vasospasm with intra-arterial vasodilators for asymptomatic patients”
Gary Spiegel, M.D. (totally do it)
Stephan Mayer, M.D. (no way)

12:20 p.m. Adjourn