Course Description
This symposium brings the entire neurocritical care team together to improve outcomes in patients with acute ischemic stroke by improving triage and medical management of neurological emergencies. This symposium is open to EMS, emergency physicians, critical care nurses, anesthesiologists, radiologists and other allied healthcare professionals on the neurocritical care team. Large group sessions will address protocols and workflow impacting stroke care, as well as novel diagnostic modalities and the impact of telestroke. Small-group breakout sessions will address specific challenges in early diagnosis, imaging, medical management, surgical care and administrative issues related to Stroke Center certification.

Learning Objectives
Upon completion of this course, participants will be able to:
• Identify critical diagnostic indicators for acute stroke
• Describe criteria for identifying patients for transfer to a Certified Stroke Center
• Describe administrative requirements for stroke center development and certification
• Outline appropriate medical management prior to IV TPA or endovascular treatment
• Describe best practice procedural management and systems of care for acute ischemic stroke

7:30 AM
Registration

8:00 - 9:30 AM
Part 1: Before the Stroke Occurs
• Pre-hospital Management - What defines a stroke?
  o Rima Dafer - Rush
• Initial Management in the Emergency Department
  o Agnieszka Ardelt – University of Chicago
  o Jim Conners - Rush
• Door to CT to the Angio suite - New paradigms of patient flow?
  o Ali Shaibani – Northwestern
  o Webster Crowley - Rush
• Mobile CT units - Impact on Stroke Care Systems and are they worth the investment
  o Demetrius Lopes - Rush
  o Harish Shownkeen – Northwestern

9:30 – 10:00 AM
Kluver Lecture - Warren Selman
• Assembling, Managing and Leading Multidisciplinary Stroke Teams

10:00 - 10:15 AM

Break

10:15 - 11:30 AM

Part II: Developing a Stroke Center

• Defining the Components of a Stroke Center
  o Babak Jahromi – Northwestern
  o Jim Conners – Rush
  o James Brorson – University of Chicago
  o Ali Alaraj - UIC

• Telestroke Paradigms: What works and what doesn’t
  o Richard Bernstein - Northwestern
  o Rima Dafer – Rush
  o Fernando Testai - UIC

• Stroke Certification Paradigms: How to prepare for certification?
  o Deb Bergman – Northwestern
  o Deb Lynch – Rush
  o Cedric McKoy – University of Chicago

• What does the ideal Stroke Center look like?
  o Shyam Prabhakaran - Northwestern

11:30 AM – 12:00 PM

Sponsored Symposium I

12:00 - 2:30 PM

Lunch and Breakout Sessions

Breakout I – Physicians

• Update of the Literature
  o Ilana Ruff – Northwestern
  o Neelofer Shafi – UIC
  o James Brorson – University of Chicago

• Trials and Guidelines - Impact in the Emergency Department
  o Sanjeev Malik – Northwestern

• Hemorrhagic Stroke Management - Latest Innovations
  o Isaam Awad – University of Chicago “Thrombolysis for ICH and IVH: Lessons learned from MISTIE and CLEAR and how they impact neurosurgical care”
  o Matt Potts – Northwestern
  o Ali Alaraj – UIC

• Ischemic Stroke Management - Latest Innovations
  o Babak Jahromi – Northwestern
  o Webster Crowley – Rush
  o Neelofer Shafi – UIC
  o Fernando Goldenberg – University of Chicago
Breakout II - Advanced Practice Providers, Nursing and EMS

- Identification in the Field: Primary vs. Comprehensive Stroke Center
  - Shyam Prabhakaran – Northwestern
  - Kiffen Keigher – Rush
  - Melissa Angulo - UIC
- Management in the ED
  - Chris Richards – Northwestern
  - Elizabeth McLaughlin - Rush
- Acute Care After IV tPA or Mechanical Thrombectomy
  - Matt Mass – Northwestern
  - Kiffen Keigher – Rush
  - Fernando Goldenberg - University of Chicago

Breakout III - Administrators and Stroke Coordinators

- Challenges in Stroke Certification - The process and recertification
  - Deb Bergman – Northwestern
  - Deb Lynch – Rush
  - Cedric McKoy – University of Chicago
- Building of the Stroke Business Plan
  - Matt Stone/Seamus Collins/Mike Doyle – Northwestern
  - Deval Daily - Rush
- Upcoming Changes in Reimbursement for Stroke Care
  - Sameer Ansari - Northwestern

2:30 – 3:00 PM
Sponsored Symposium II

3:00 – 3:30 PM
Question and Answer Session

3:30 PM
Adjourn