Course Directors
Ashok R. Asthagiri, Nicholas C. Bambakidis, Clemens M. Schirmer and Henry H. Woo

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

Accreditation and Credit Designation Statement
The Congress of Neurological Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The CNS designates this live activity for a maximum of 7.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurse Credit Designation Statement
This continuing nursing education activity was approved by the American Association of Neuroscience Nurses as an accredited approver by the American Nurses Credentialing Center Commission on Accreditation.

Acknowledgements
This symposium is hosted in partnership with the University of Chicago Medicine.
7:30 AM
Registration

8:00 - 9:45 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 Michael Hurley - 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

9:45 – 10:00 AM
Break

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

10:30 AM - 12:15 PM
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 Farzaneh Sorond - Northwestern
    o Rima Dafer – Rush
    o Fernando Testai - UIC

12:15 - 3:00 PM
Lunch and Breakout Sessions

Breakout I
Moderators: Ashok R. Asthagiri and Clemens M. Schirmer
  • Responding to Acute Stroke Trials: Multidisciplinary Approach to Process Improvement in the ED
    o Chris Richards – Northwestern
    o Ilana Ruff – Northwestern
  • Update of the Literature
    o James Brorson – University of Chicago
  • 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
  - Babak Jahromi – Northwestern
  - Webster Crowley – Rush
  - Neelofer Shafi – UIC
  - Fernando Goldenberg – University of Chicago

**Breakout II**  
Moderator: Nicholas C. Bambakidis
- 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 Maas – Northwestern
  - Kiffen Keigher – Rush
  - Fernando Goldenberg - University of Chicago
- Speech Pathology in the Acute Care Setting: A Focus on Stroke
  - Lisa Bloom - University of Chicago

**Breakout III**  
Moderator: Henry H. Woo
- 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

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

3:30 PM
**Adjourn**