



# The 2018 Northwestern Medicine Comprehensive Stroke and Cerebrovascular Conference

**Saturday, October 13**

Hyatt Centric Chicago Magnificent Mile  
633 N. St Clair Street  
Chicago, IL  
7:00 am to 5:10 pm

*Sponsored by Northwestern Medicine*

**REGISTER ONLINE:** [www.northwesternstroke2018.com](http://www.northwesternstroke2018.com)

# The 2018 Northwestern Medicine Comprehensive Stroke and Cerebrovascular Conference

**Course Directors: Babak S. Jahromi MD, PhD, Shyam Prabhakaran MD, MS, and Harish N. Shownkeen, MD**

This program offers participants the opportunity to hear from expert clinician leaders from Northwestern Medicine regarding the advances in stroke medicine. We are also excited to welcome our guest speaker, **Philip B. Gorelick, MD, MPH, Professor, Translational Science & Molecular Medicine, Michigan State University, Michigan.** Recently published findings and guidelines for ischemic and hemorrhagic stroke patients will be discussed in detail, as well as other current measures to treat and manage strokes quickly and effectively to mitigate damage.

## PROGRAM OBJECTIVES

**After attending this educational activity, participants should be able to:**

- 1) Recognize the role of the emergency department in triaging acute stroke patients and coordination with paramedics in the field.
- 2) Outline the importance of rehabilitation intervention for early recovery of stroke patients.
- 3) Discuss the cardiac causes of stroke, as well as current clinical trials and the medical and interventional management options available.
- 4) Review current state-of-the-art endovascular treatment of acute ischemic stroke and discuss various clinical trials in endovascular management.
- 5) Discuss the role of nurses in the acute intervention, management and care of stroke patients.
- 6) Examine the role of frontline neuroradiology imaging and functional imaging in acute stroke and paradigm in triaging patients for acute intervention.
- 7) Describe and discuss endovascular and surgical options for revascularization.
- 8) Discuss and review criteria for both surgical and endovascular options for patients with unruptured intracranial aneurysm.
- 9) Discuss causes and management of subarachnoid hemorrhage.
- 10) Explain the management of ruptured cerebral aneurysm.
- 11) Discuss the role of a neurointerventionist in the prevention of complications related to acute stroke and present current guidelines.

# Saturday, October 13

7:00 am	<b>Registration</b>
8:00 am	<b>Welcome</b> <i>James G. Adams, MD</i>
	<b>Introduction</b> <i>Babak S. Jahromi, MD, PhD, Shyam Prabhakaran, MD, MS, and Harish N. Shownkeen, MD</i>
8:10 am	<b>Keynote Speaker—Stroke Care: Challenges and Opportunities</b> <i>Philip B. Gorelick, MD, MPH</i>
8:50 am	<b>TIA in ER: MRI, Admit, or Consult Neurology?</b> <i>Christopher T. Richards, MD</i>
9:10 am	<b>Prehospital Routing for Stroke Patients</b> <i>Shyam Prabhakaran, MD</i>
9:30 am	<b>Mobile Stroke Units: Hype or Hope?</b> <i>Harish N. Shownkeen, MD</i>
9:50 am	<b>Endovascular Stroke after DAWN/DEFUSE: How Long is the Time Window Today?</b> <i>Ali Shaibani, MD</i>
10:10 am	<b>Panel: Challenging Cases and Q&amp;A</b>
10:30 am	<b>Break</b>
10:50 am	<b>SAH and Vasospasm in the NICU</b> <i>Jeffrey P. Huml, MD</i>
11:10 am	<b>Intervention for Intracerebral Hemorrhage: Who, When and How?</b> <i>Matthew B. Potts, MD</i>
11:30 am	<b>Anticoagulation in the NICU: Prophylactic, Therapeutic and Emergent Reversal</b> <i>Andrew M. Naidech, MD, MSPH</i>
11:50 am	<b>Intracerebral Hemorrhage and Cerebral Edema: Mechanisms and Management in the NICU</b> <i>Ayush Batra, MD</i>
12:10 pm	<b>Panel: Challenging Cases and Q&amp;A</b>
12:30 pm	<b>Lunch</b>
1:20 pm	<b>Management of Cryptogenic Stroke</b> <i>Richard A. Bernstein, MD, PhD</i>
1:40 pm	<b>Stroke and PFO: Medical Management or Closure Device?</b> <i>Keith H. Benzuly, MD</i>
2:00 pm	<b>Advances in Atrial Fibrillation</b> <i>Omeed Zardkoobi, MD, FHRS</i>

## Saturday, October 13 (Continued)

2:20 pm	<b>Unruptured Brain Aneurysms: Watch or Treat? Does Size Matter?</b> <i>Babak S. Jahromi, MD, PhD</i>
2:40 pm	<b>Critical Care Nursing for Acute Stroke Patients</b> <i>Stacey Caron, BSN, RN, CNRN</i>
2:55 pm	<b>Management of a Hub and Stroke Network for Comprehensive Stroke Centers: Nursing Challenges</b> <i>Anne Lindstrom, MS, APRN, FNP-BC, SCRNP</i>
3:10 pm	<b>Panel: Challenging Cases and Q&amp;A</b>
3:30 pm	<b>Break</b>
3:50 pm	<b>Rehab in Stroke Patients: Is Sooner Better... and Why?</b> <i>Daniel A. Goodman, MD, MS</i>
4:10 pm	<b>Cognitive Impairment in Stroke Patients: Recognition and Management</b> <i>Farzaneh A. Sorond, MD, PhD</i>
4:30 pm	<b>Panel: Challenging Cases and Q&amp;A</b>
4:50 pm	<b>Closing Remarks</b>

## Join us for the 2018 Emergency Neurological Life Support (ENLS) CME Symposium!

**\*Sunday, October 14 | 7:30 am to 3:30 pm**

Northwestern Medicine | Prentice Women's Hospital  
250 E. Superior Street | Third Floor, Conference Room L North  
Chicago, IL 60611

**Course Director: Edward M. Manno, MD, MS**

ENLS is a national certified course designed to help health-care professionals improve outcomes during the first hours of a neurological emergency. The course is divided into 14 training modules designed to provide a consistent set of protocols, practical checklists, decision points, and suggested communication to use during patient management.

### Accreditation Statement

The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### Credit Designation Statement

The Northwestern University Feinberg School of Medicine designates this live activity for a maximum of 5.25 AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**\*There is a separate fee to attend. To register, please visit [here](#).**



EMERGENCY NEUROLOGICAL  
LIFE SUPPORT

# Program Course Directors

**Babak S. Jahromi, MD, PhD, FRCSC, FAANS, FAHA, FACS**

*Chief, Division of Cerebrovascular/Neurointerventional Surgery  
Vice-Chair, Regional Neurosurgery  
Surgical Director  
Northwestern Memorial Hospital  
Comprehensive Stroke Center  
Professor, Departments of  
Neurological Surgery and Radiology  
Northwestern University  
Feinberg School of Medicine*

**Shyam Prabhakaran, MD, MS**

*Director, Stroke Research  
Director, Vascular Neurology Fellowship  
Director, NM Stroke Quality Outcomes and Research Enterprise (SQORE)  
Professor, Department of Neurology  
Northwestern University  
Feinberg School of Medicine*

**Harish N. Shownkeen, MD, FAHA**

*Medical Director, Neurointerventional Surgery  
Central DuPage and Silver Cross Hospitals  
Medical Director, Comprehensive Stroke Center and Neurovascular Program  
Northwestern Medicine (West Region)  
Co-Medical Director,  
Mobile Stroke Unit Section Chair  
Neurosciences at Central DuPage Hospital  
Adjunct Faculty  
Cleveland Clinic  
Neuroscience Institute, Cerebrovascular Section*

## Invited Faculty

**Philip B. Gorelick, MD, MPH**

*Professor, Translational Science & Molecular Medicine,  
Michigan State University College of Human Medicine  
Member, Vascular Neurology Program  
Hauenstein Neurosciences  
Grand Rapids, Michigan  
Chief Medical Officer  
Thorek Memorial Hospital Chicago*

## Program Faculty

**James G. Adams, MD**

*Senior Vice President & Chief Medical Officer  
Northwestern Medicine  
Chairman & Professor, Emergency Medicine  
Northwestern University  
Feinberg School of Medicine*

**Sameer A. Ansari, MD, PhD**

*Associate Professor, Departments  
of Radiology, Neurological Surgery  
and Neurology  
Northwestern University  
Feinberg School of Medicine*

**Ayush Batra, MD**

*Assistant Professor, Departments of  
Neurology (Stroke and Neurocritical Care)  
and Pathology  
Northwestern University  
Feinberg School of Medicine*

**Richard A. Bernstein MD, PhD**

*Distinguished Physician,  
Vascular Neurology  
Northwestern Medicine  
Medical Director  
Northwestern Medicine Comprehensive Stroke  
Center and Wood-Prince Family Stroke Center  
at Northwestern Medicine  
Lake Forest Hospital  
Clinical Director, Telehealth  
Professor, Department of Neurology (Stroke  
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Feinberg School of Medicine*

**Keith Benzuly, MD, FACC**

*Associate Professor, Department  
of Interventional Cardiology  
Bluhm Cardiovascular Institute  
Northwestern University  
Feinberg School of Medicine*

**Stacey Caron, BSN, RN, CNRN**

*Manager, Patient Care  
Northwestern Medicine*

**Daniel A. Goodman, MD, MS**

*Attending Physician  
Shirley Ryan AbilityLab  
Assistant Professor,  
Department of Physical Medicine  
and Rehabilitation  
Northwestern University  
Feinberg School of Medicine*

**Jeffrey P. Huml, MD**

*Medical Director of Critical Care  
and Neurocritical Care,  
Western Region Northwestern Medicine*

**Anne Lindstrom, MS, APRN, FNP-BC, SCRNP**

*Northwestern Medicine Central  
DuPage Hospital  
Northwestern Medicine Delnor Hospital*

**Andrew M. Naidech, MD, MSPH**

*Program Director, Neurocritical Care Fellowship  
Faculty Advisor, School of Professional Studies  
Professor, Departments of Neurology,  
Anesthesiology, Medical Social Sciences and  
Preventive Medicine - Health & Biomedical  
Informatics  
Northwestern University  
Feinberg School of Medicine*

**Matthew B. Potts, MD**

*Assistant Program Director, Neurosurgical  
Residency Training Program  
Assistant Professor, Divisions of  
Cerebrovascular/Neurointerventional Surgery  
Departments of Neurological Surgery  
and Radiology  
Northwestern University  
Feinberg School of Medicine*

**Christopher T. Richards, MD, MS, FAEMS, FACEP**

*Assistant Professor,  
Department of Emergency Medicine  
Northwestern University  
Feinberg School of Medicine  
Associate EMS Medical Director  
Chicago EMS/Illinois Region XI  
EMS Central System  
Assistant ED Medical Director for  
Neurological Emergencies  
Department of Emergency Medicine  
Faculty, Center for Healthcare Studies*

**Ali Shaibani, MD**

*Chief of Neurointerventional Radiology  
Professor, Departments of Radiology  
and Neurological Surgery  
Northwestern University  
Feinberg School of Medicine*

**Farzaneh A. Sorond, MD, PhD**

*Vice Chair for Faculty Development and  
Education, Davee Department of Neurology  
Division Chief, Stroke and Neurocritical Care  
Director, Northwestern Memorial Hospital  
Transcranial Doppler Laboratory  
Professor, Department of Neurology  
Northwestern University  
Feinberg School of Medicine*

**Omeed Zardkoobi, MD, FHRS**

*Medical Director, Cardiac Electrophysiology  
Bluhm Cardiovascular Institute West  
Health System Clinician,  
Department of Cardiology  
Northwestern University  
Feinberg School of Medicine*





### Program Location

The program will be held at the [Hyatt Centric Chicago Magnificent Mile](#), 633 N. St Clair Street, Chicago. The Hyatt Centric Chicago Magnificent Mile is located in the heart of Chicago, within walking distance of a plethora of restaurants, public transportation, Navy Pier and the Magnificent Mile, Chicago's premier shopping area. For a listing of all Chicago has to offer, visit [choosechicago.com](#).

### Hotel Accommodations

We have a room block at the Hyatt Centric Magnificent Mile. Click [here](#) to reserve your room at the discounted rate. We recommend you make your reservations as soon as possible to ensure accommodations.

### Directions and Parking

We will offer discounted parking in the garage, one block north of the Hyatt at 222 E. Huron Street.

### Audience

This course is designed for all healthcare providers managing stroke patients, including those in the emergency department, cardiologists, neurologists, neurosurgeons, radiologists, advanced care providers, nurses, nurse practitioners, physician assistants, physical therapists, occupational therapists, speech language pathologists, social workers and allied health professionals.

### Registration Fee

The fee is \$75 for physicians and \$50 for trainees, nurses and other healthcare professionals. Breakfast, refreshments and lunch are provided. Space is limited. No refunds will be issued after **September 21**.

### Registration Procedure

To register online, please visit [www.northwesternstroke2018.com](http://www.northwesternstroke2018.com). If paying with check, please mail your check, made payable to **Northwestern Memorial Hospital (CME)**, to the address listed below, prior to **September 21**.

Sarah Baggs  
c/o Northwestern Memorial HealthCare  
675 North St. Clair Street, Galter 3-104H  
Chicago, IL 60611

### Accreditation Statement

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### Credit Designation Statement

The Northwestern University Feinberg School of Medicine designates this educational activity for a maximum of *7.5 AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Credit Designation Statement

The American Nurses Credentialing Center (ANCC) and the Illinois Department of Financial and Professional Regulation accept *AMA PRA Category 1 Credits*<sup>™</sup> from organizations accredited by the ACCME for relicensure & recertification requirements. 1 CME credit is equivalent to 1 contact hour. Your certificate of completion, which includes the number of CME credits awarded, is the only documentation required.

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# Registration Form

## Registration Category

- ☐ Physician.....\$75  
☐ Trainee, Nurse, or Other HCP.....\$50

## How to Register

 **ONLINE:** [www.northwesternstroke2018.com](http://www.northwesternstroke2018.com)

 **OR MAIL** with check (payable to Northwestern Memorial Hospital (CME))

Sarah Baggs  
c/o Northwestern Memorial HealthCare  
675 North St. Clair Street  
Galter 3-104H  
Chicago, IL 60611

## For Questions:

**Email:** sbaggs@nm.org

**Phone:** 312.926.7975

## Please Type or Print

Last Name \_\_\_\_\_ First Name \_\_\_\_\_

☐ Physician      ☐ Trainee, Nurse, or Other HCP

Title \_\_\_\_\_

Institution \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP Code \_\_\_\_\_

E-mail (Required) \_\_\_\_\_  
*Your registration confirmation will be e-mailed*

Specialty \_\_\_\_\_

Special Dietary Requirements \_\_\_\_\_  
*Advance notification required*

Disability Accommodations \_\_\_\_\_  
*Please advise us of your needs*

## How did you hear about our program?

☐ Brochure   ☐ E-mail   ☐ Website   ☐ Word of Mouth

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