

# MINIMALLY INVASIVE SURGERY FOR ICH: A PRACTICAL WORKSHOP BACK IN PERSON!

**Saturday, October 14, 2023**

Northwestern Center for  
Advanced Surgical Education (NCASE)  
240 E. Huron Street, Suite LC-0549  
Chicago, IL

7 am to 2:30 pm

***(Join us Friday, October 13,  
for our welcome dinner at Woodwind, 7 pm!)***

*Sponsored by Northwestern Medicine and the Northwestern University  
Feinberg School of Medicine Department of Neurological Surgery*

# Minimally Invasive Surgery for ICH: A Practical Workshop

COURSE DIRECTOR: Babak S. Jahromi, MD, PhD

With 40% mortality at one month and only 25% of patients functionally independent at six months, intracerebral hemorrhage (ICH) is a devastating disease in dire need of an effective treatment. To date, clinical trials investigating a wide range of therapeutic options including open surgery, aggressive blood pressure control, and hemostatic agents have not demonstrated a marked improvement in outcomes for this patient population, resulting in a dearth of options and at times nihilism in care for these patients both locally and across the USA.

This program brings together national and regional experts to review current evidence and help educate practitioners on the latest interventions for ICH. Learners will have greater strategies for medical and surgical management of ICH along with hands-on training of endoscopic hemorrhage evacuation. The curriculum has been developed with expert medical and surgical faculty in the field to include didactic sessions, hands-on workshop-stations with 3D-printed heads and endoscope ICH evacuation and a multidisciplinary Case Review in which attendees bring cases to present institutional ICH management strategies.

## PROGRAM OBJECTIVES

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

1. Review the natural history, trial data and current treatment options for intracerebral hemorrhage.
2. Discuss medical interventions targeting hematoma growth, ICP control, anticoagulation reversal, seizure management and current state-of-the-art neurointensive care for patients with ICH.
3. Explain the evidence behind surgical interventions for ICH and the pros/cons of different techniques for minimally invasive ICH evacuation.
4. Demonstrate proficiency in image-guided endoscopic evacuation of ICH in simulation lab using 3D printed heads.

## Program Course Director

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

*Chief, Division of Cerebrovascular/*

*Neurointerventional Surgery*

*Vice-Chair, Regional Neurosurgery*

*Surgical Director, Northwestern Medicine Comprehensive Stroke Center*

*Professor, Departments of Neurological Surgery and Radiology*

Northwestern University

Feinberg School of Medicine

# Invited Faculty

**Issam A. Awad, MD, MSc, FACS, MA (hon)**

*The John Harper Seeley Professor Neurological Surgery, Neurology, The Grossman Institute of Neurosciences, Quantitative Biology and Human Behavior, and the Committee on Neurobiology Director, Safadi Program of Excellence in Clinical and Translational Neuroscience Medical Director, CCM Center of Excellence Senior Faculty Scholar, The Bucksbaum Institute for Clinical Excellence*

**J. Claude Hemphill III, MD, MAS, FNCS**

*Kenneth Rainin Endowed Chair in Neurocritical Care Professor of Neurology and Neurological Surgery University of California, San Francisco Chief, Neurology Service Zuckerberg San Francisco General Hospital*

**Christopher P. Kellner, MD**

*Director, Intracerebral Hemorrhage Program Assistant Professor, Department of Neurological Surgery The Mount Sinai Hospital*

**Christopher M. Nickele, MD**

*Assistant Professor, Department of Neurological Surgery University of Tennessee/ Semmes Murphey Clinic*

**Gustavo Pradilla, MD, FAANS**

*Associate Professor, Department of Neurological Surgery Emory University School of Medicine Co-Director, Emory Skull Base Surgery Center Chief of Neurosurgery Grady Memorial Hospital*

**Paul S. Saphier, MD**

*Director, Minimally Invasive ICH Surgery Endovascular/Vascular Neurosurgeon Atlantic Neurosurgical Specialists*

# Northwestern Faculty

**Thomas P. Bleck, MD, MCCM, FNCS**

*Senior Editor, Critical Care Medicine Founding Past President, The Neurocritical Care Society Director, Neurocritical Care Fellowship Professor of Neurology (Epilepsy/Clinical Neurophysiology and Neurocritical Care) Northwestern University Feinberg School of Medicine Emeritus Professor of Neurological Sciences, Neurosurgery, Medicine, and Anesthesiology Rush Medical College*

**Sandi Lam, MD, MBA, FAANS, FACS, FAAP**

*Chief, Pediatric Neurosurgery Ann & Robert H. Lurie Children's Hospital of Chicago Yeager Professorship in Pediatric Neurosurgery Professor and Vice Chair, Pediatric Neurosurgery Department of Neurosurgery Northwestern University Feinberg School of Medicine*

**Matthew B. Maas, MD, MS**

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

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

*Program Director, Master of Public Health Professor, Departments of Neurology (Neurocritical Care), Anesthesiology, Medical Social Sciences, Neurological Surgery (Stroke and Vascular Neurology) and Preventive Medicine (Health and Biomedical Informatics) Northwestern University Feinberg School of Medicine*

**Matthew B. Potts, MD, FAANS**

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

## Saturday, October 14

7:00 am	<b>Registration and Welcome</b>
7:30 am	<b>ICH Prognosis and the Self-Fulfilling Prophecy</b> <i>J. Claude Hemphill III, MD, MAS, FNCS</i>
7:45 am	<b>Lessons Learnt from ENRICH Trial and Next Steps</b> <i>Gustavo Pradilla, MD, FAANS</i>
8:00 am	<b>Lessons Learnt from MISTIE-3 Trial and Next Steps</b> <i>Issam A. Awad, MD, MSc, FACS, MA (hon)</i>
8:15 am	<b>Trial Update: MIND</b> <i>Christopher M. Nickele, MD</i>
8:30 am	<b>Panel Questions / Break</b>
8:45 am	<b>Cross-Disciplinary Collaboration in Critical Care Management of ICH</b> <i>Matthew B. Maas, MD, MS</i>
9:00 am	<b>Screening, Prophylaxis and Management of Seizures in ICH</b> <i>Thomas P. Bleck, MD, MCCM, FNCS</i>
9:15 am	<b>Antithrombotic/Anticoagulation Reversal and Resumption in ICH</b> <i>Andrew M. Naidech, MD, MSPH</i>
9:30 am	<b>Panel Questions / Break</b>
9:45 am	<b>Building an ICH Program: How and Why in Academia</b> <i>Babak S. Jahromi, MD, PhD, FRCSC, FAANS, FAHA, FACS</i>
10:00 am	<b>Building an ICH Program: Success in Private Practice</b> <i>Paul S. Saphier, MD</i>
10:15 am	<b>Optimizing the Procedure: Intraoperative Imaging &amp; Navigation</b> <i>Matthew B. Potts, MD, FAANS</i>
10:30 am	<b>Optimizing the Procedure: Dealing with Bleeding and Fibrous Clots</b> <i>Christopher P. Kellner, MD</i>
10:45 am	<b>Minimally Invasive Evacuation of ICH: A Pediatric Perspective</b> <i>Sandi K. Lam, MD, MBA, FAANS, FACS, FAAP</i>
11:00 am	<b>Panel Questions / Break</b>
11:30 am	<b>Practical Course</b>
1:00 pm	<b>Working Lunch and Case Review</b>
2:30 pm	<b>Adjournment</b>



### Program Location

The program will be held at the [Northwestern Center for Advanced Surgical Education \(NCASE\)](#) on Northwestern Medicine's downtown campus:

240 East Huron Street, Suite LC-0549  
Chicago, Illinois 60611

Northwestern's campus is in the heart of the bustling downtown district, along Lake Michigan; iconic attractions including Millennium Park, Navy Pier and the Magnificent Mile, Chicago's premier shopping area, are mere steps away. There is fun for the whole family. For a listing of all Chicago has to offer, visit [choosechicago.com](#).

### Hotel Accommodations

We have a discounted room block at [Hotel EMC2](#), located just 0.2 miles from the program location. Please secure your reservations **ASAP**, to ensure accommodations at the discounted rate.

### Parking

Discounted day and overnight parking will be available at 222 East Huron Street, directly across the street from the program. If you prefer to park at the hotel, valet parking is \$65 per night. If you are visiting from out of state, downtown Chicago is conveniently located less than 20 miles from each Chicago O'Hare International Airport (ORD) and Chicago Midway International Airport (MDW).

### Audience

This course is designed for physicians managing stroke patients, including neurologists, neurocritical care specialists and neurosurgeons.

### Registration Procedure

The fee is \$50 for all. Breakfast, refreshments, lunch and dinner on 10/13 are provided. **Space is limited.** No refunds will be issued after **Friday, September 29.** To

register online, please visit [here](#). If paying with check, please mail your check, made payable to **Northwestern Memorial Hospital (CME)**, to the address listed below, prior to **Friday, October 6.**

#### Sarah Prski

c/o Northwestern Memorial HealthCare  
541 North Fairbanks Court, Suite 950-Office 963  
Chicago, IL 60611

### 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 educational activity for a maximum of **5.75 AMA PRA Category 1 Credit(s)**<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### American Board of Surgery Continuous Certification Program

Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the CME requirements of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit.

*ABS CME credits will be submitted to the boards within 3 months of the conclusion of the activity.*

If you have any questions, please contact Sarah Prski, CME Program Manager, [sbags@nm.org](mailto:sbags@nm.org).

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## Registration Form

### How to Register

 **ONLINE:** <https://northwestern.cloud-cme.com/ICH2023>

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

Sarah Praski  
c/o Northwestern Memorial HealthCare  
541 N. Fairbanks Court  
Suite 950-Office 963  
Chicago, IL 60611

### For Questions:

**Email:** [sbaggs@nm.org](mailto:sbaggs@nm.org)

**Phone:** 312.926.7975

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### Please Type or Print

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

All (\$50)

Title \_\_\_\_\_

Specialty \_\_\_\_\_

Subspecialty \_\_\_\_\_

Institution \_\_\_\_\_

Address \_\_\_\_\_

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

Email (Required) \_\_\_\_\_

*Your registration confirmation will be emailed*

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Special Dietary Requirements \_\_\_\_\_

*Advance notification required*

Disability Accommodations \_\_\_\_\_

*Please advise us of your needs*

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### How did you hear about our program?

Brochure  Email  Website  Word of Mouth  Previous Attendee  Social Media