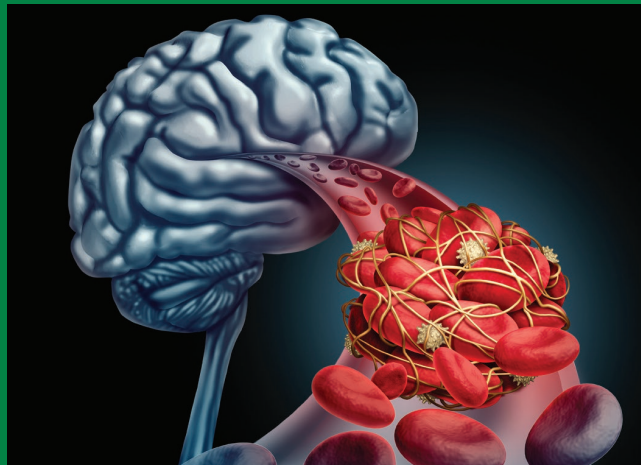
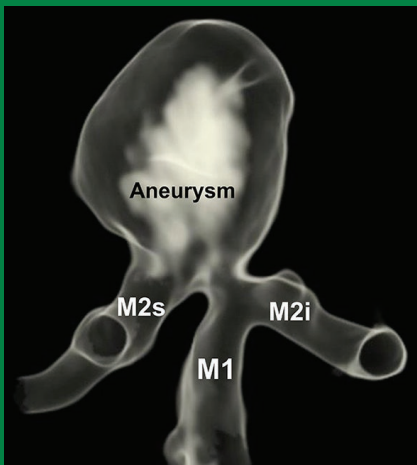
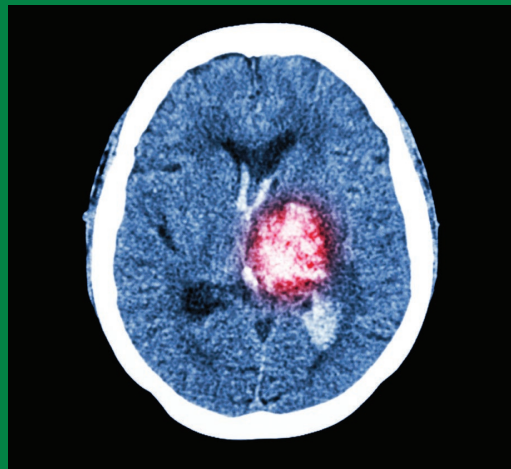


# Innovations in Cerebrovascular Care 2026

Wednesday June 10 – Thursday June 11

InterContinental Hotel and Conference Center  
Cleveland, OH and Live Stream



Register Today! [www.ccfcmec.org/IICC](http://www.ccfcmec.org/IICC)

# Innovations in Cerebrovascular Care 2026

## Overview

The field of cerebrovascular care is evolving rapidly, with new advancements shaping the way we diagnose, treat, and manage complex conditions. The Cleveland Clinic Innovations in Cerebrovascular Care 2026 meeting will highlight the latest clinical breakthroughs and technological innovations while fostering multidisciplinary discussions on some of the most pressing challenges in patient care. Designed for practitioners across neurosciences and related specialties, this meeting provides a platform to explore cutting-edge strategies and collaborate on improving outcomes for patients with cerebrovascular conditions. Join us as we explore the future of cerebrovascular care.

## Who Should Attend?

This educational activity is intended for emergency medicine physicians, fellows, neurointensivists, neurointerventionalists, neurologists, neuroradiologists, neurosurgeons, nurse practitioners, nurses, physician assistants, primary care physicians, and residents who treat cerebrovascular patients.

## Learning Objectives

After completing this educational activity, participants will be able to do the following:

- Evaluate recent global advancements in cerebrovascular care and assess how these innovations can be translated into improved patient outcomes.
- Explain the progression and latest developments in cerebrovascular devices and analyze their implications for clinical decision-making.
- Examine emerging evidence on the brain-heart axis with emphasis on its relevance to cardiac imaging, anticoagulation strategies, and stroke risk stratification.
- Review current management approaches for carotid artery disease and determine optimal treatment strategies in view of recent new scientific data.
- Synthesize recent research on novel cerebrovascular therapies and consider their potential impact on future clinical practice.
- Critically assess evidence supporting novel stroke treatment strategies (including factor XI inhibitors and hormone replacement therapy), the relevance of disparities in stroke care, and evaluate the role of brain health in stroke risk.
- Describe key advances in artificial intelligence applications for cerebrovascular care and evaluate their potential integration into routine clinical workflows.

## Cleveland Clinic Course Director



### Gabor Toth, MD, FAHA, FSVIN

Director of Education  
Lead, Endovascular Operations  
Staff, Vascular Neurology and Endovascular Intervention,  
Cerebrovascular Center  
Professor of Neurology, CCLCM

## Cleveland Clinic Co-Directors



### Dhimant Dani, MD

Staff Intensivist  
Assistant Professor, Medicine and Neurology, CCLCM  
Program Director, Neurocritical care Fellowship  
Medical Director, NSICU, Akron General Hospital  
CO Chair- Eye Tissue and Organ Donation Committee,  
Northeast Ohio submarket



### Nina Z. Moore, MD, MSE, FAANS, FCNS

Assistant Professor, Neurological Surgery, CCLCM  
Lead of Endovascular and Cerebrovascular  
Neurosurgery Research, Cerebrovascular Center  
PI/Director, N.Z. Moore Cerebrovascular  
Biomechanics Laboratory  
Joint Staff, Biomedical Engineering Department,  
Lerner Research Institute



### M. Shazam Hussain, MD, FRCP(C), FAHA

Director, Cerebrovascular Center  
Staff, Vascular Neurology and  
Endovascular Surgical Neuroradiology  
Associate Professor, Cleveland Clinic  
Lerner College of Medicine

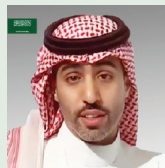


### Andrew Russman, DO, FAAN, FAHA

Head, Cleveland Clinic Stroke Program  
Medical Director, Comprehensive Stroke Center  
Staff, Vascular Neurology

# Innovations in Cerebrovascular Care 2026

## Guest Faculty



**Fahad Al-Ajlan, MD**  
King Faisal Specialist Hospital and Research Centre  
Riyadh, Saudi Arabia



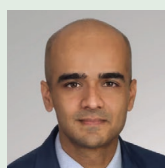
**Glen Jickling, MD**  
Associate Professor, Faculty of Medicine & Dentistry  
University of Alberta  
Edmonton, Alberta, Canada



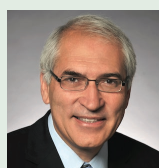
**Donald Cantrell, MD, PhD**  
Northwestern Memorial HealthCare  
Chicago, Illinois



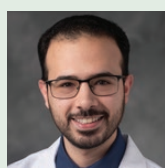
**Luis Savastano, MD, PhD**  
Neurosurgeon  
University of California San Francisco  
San Francisco, California



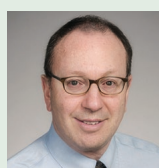
**Shashvat Desai, MD**  
ASU John Shufeldt School of Medicine  
and Medical Engineering  
Arizona State University  
HonorHealth  
Phoenix, Arizona



**Ashfaq Shuaib, MD, FRCPC, FAHA, FAAN, FANA**  
Professor, Department of Medicine  
Director, Stroke Program, Division of Neurology  
University of Alberta  
Edmonton, Alberta, Canada



**Anas Idris, MD**  
Neurology Resident  
Henry Ford Hospital  
Detroit, Michigan



**David Tirschwell, MD, MSc, FAHA, FAAN**  
Professor, Neurology Chief of Service  
Former Medical Director of Comprehensive Stroke Care  
University of Washington School of Medicine  
Seattle, Washington

## Cleveland Clinic Faculty

Mohammad Abdulrazzak, MD  
Samer Albahra, MD  
Fares Antaki, MD  
Marc Babi, MD  
Pelin Batur, MD  
Brittany Bolt, DO, PhD  
A. Blake Buletko, MD  
Rodica Di Lorenzo, MD  
Margaret Fuchs, MD  
Joanna Ghobrial, MD, MS  
Joao Gomes, MD, FCCM, FAHA  
Shweta Goswami, MD  
Neha Gupta, MD  
Catherine Hassett, DO  
Mohamed Kanj, MD

Ahmed Kashkoush, MD  
Ali Khalifeh, MD  
G. Abbas Kharal, MD, MPH  
Shumei Man, MD, PhD, FAHA  
Whitney Mayberry, MD  
Michal Obrzut, MD  
Jon Quatromoni, MD  
Scott Raymond, MD, PhD  
Hyeyoung Seol, MD  
Chintan Shah, MD  
Jonathan Solomonow, MD  
Jenny Tsai, MDCM, FRCP(C)  
Carlos Villamizar Rosales, MD  
Xiangling Wang, MD  
Bing Yu Chen, MDCM

## Planning Committee

Christine Ahrens, PharmD  
Marc Babi, MD  
Adam Barron, MD  
Rodica Di Lorenzo, MD  
Gwendolyn Lynch, MD  
Whitney Mayberry, MD  
Michal Obrzut, MD  
Scott Raymond, MD  
Tina Resser, MSN, ACNP-BC, FNP-BC, CNRN  
Nicole Smith, PA-C  
Maria Sokola, MD  
Jenny Tsai, MDCM, FRCP(C)  
Carols Villamizar Rosales, MD  
Bing Yu Chen, MDCM

# Agenda

## Wednesday, June 10

7:15 AM Registration/Continental Breakfast/Exhibits

7:50 AM Welcome and Introduction – Gabor Toth

### SPECIAL SYMPOSIUM

#### Session I: AI Mini Symposium

8:00 AM Introduction to AI Mini Symposium – Scott Raymond

8:05 AM Present and Future of AI/ML in Healthcare – Samer Albahra

8:50 AM Real-world Performance and Value Added by AI Stroke Detection Algorithms In A Large Neuroradiology Practice  
– Chintan Shah

9:10 AM BREAK/EXHIBITS

9:25 AM DSA Image Processing – Donald Cantrell

9:45 AM Automation in the Angiosuite – Scott Raymond

10:05 AM **DEBATE: Should A Human Be Required to Verify Every AI Decision, Even If It Slows Down Care?**  
– Anas Idris, Ahmed Kashkoush

10:35 AM BREAK/EXHIBITS

10:50 AM AI in the Neuro ICU – Catherine Hassett

11:10 AM Foundation Models and Agentic AI in Medicine – Fares Antaki

11:30 AM Large Language Model for Stroke Thrombolysis – Bing Yu Chen

11:50 AM Panel Q&A – Session Faculty

12:20 PM LUNCH/EXHIBITS

#### Session II: The Latest in Carotid Disease Management

1:20 PM The Changing Landscape of Carotid Artery Management: Overview of CREST 2 and Recent Landmark Carotid Trial Results  
– TBD

1:30 PM **DEBATE: Asymptomatic Carotid Disease — Three Perspectives**

- Medical Management is Still Best for Asymptomatic Carotid Disease - Jonathan Solomonow
- Carotid Endarterectomy is Best for Asymptomatic Carotid Disease - Jon Quatromoni
- Carotid Artery Stenting is Best for Asymptomatic Carotid Disease - Jenny Tsai

1:55 PM Debate Discussion – Debate Faculty

2:05 PM Carotid Disease and Cognition – Hyeyoung Seol

2:20 PM Panel Discussion: Interesting Asymptomatic and Symptomatic Carotid Cases – Session Faculty

3:00 PM BREAK/EXHIBITS

#### Session III: The Future is Here - Novel Devices

3:20 PM Sci-fi or Stroke Treatment: Spinner Thrombectomy, Ultrasound Clot Lysis, Magnetic Navigation and Others – Gabor Toth

3:30 PM New Carotid Stent Designs – Ali Khalifeh

3:40 PM Neurointervention in the CSF Space - Stenting of Cerebral Aqueduct – Michal Obrzut

3:50 PM Endovascular Subdural Hematoma Drainage – Luis Savastano

4:00 PM Is E-Shunt the Future of CSF Drainage? – Mohammad Abdulrazzak, MD

4:10 PM Panel Discussion – Session Faculty

5:00 PM ADJOURN

All presentations include a 5-minute question and answer period.

# Agenda

## Thursday, June 11

7:15 AM Continental Breakfast/Exhibits

8:00 AM Welcome and Introduction

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### Session IV: The Brain-Heart Conundrum

8:10 AM Cardiac Imaging in ESUS Patients – *Neha Gupta*

8:30 AM **DEBATE: Should We Anticoagulate Patients with Recurrent ESUS?** – *A. Blake Buletko, David Tirschwell*

9:00 AM Panel Case Discussion: Challenging PFO Cases – *A. Blake Buletko, Margaret Fuchs, Joanna Ghobrial, Hyeyoung Seol*

9:40 AM Panel Case Discussion: Managing Patients at High Stroke Risk in Atrial Fibrillation  
– *Mohamed Kanj, G. Abbas Kharal, David Tirschwell*

10:20 AM BREAK/EXHIBITS

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### Session V: The Global Face of Cerebrovascular Care

10:40 AM Precision Cerebrovascular Medicine – *Fahad Al-Ajlan*

10:55 AM Familial Brain Aneurysms and Aneurysm Genetics – *Xiangling Wang*

11:10 AM Global Stroke Challenges – *Ashfaq Shuaib*

11:25 AM “Stroke-Omics”: Molecular Innovation in Cerebrovascular Care – *Glen Jickling*

11:40 AM Stroke Innovation Outside the United States – *Shashvat Desai*

11:55 AM Panel Q&A – *Session Faculty*

12:10 PM LUNCH/EXHIBITS

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### Session VI: The Next Frontier in Neurocritical Care

12:50 PM High-Fidelity Simulation in Neurocritical Care: Bridging Theory and Standardize the Practice – *Brittney Bolt*

1:00 PM Hemoglobin Target in Acute Brain - To transfuse or not to transfuse? – *Carlos Villamizar Rosales*

1:10 PM Can Non-invasive Cerebral Monitoring Replace Invasive Monitoring? – *Joao Gomes*

1:20 PM **DEBATE: Early vs. Late Tracheostomy in Brain Injury** – *Marc Babi, Shweta Goswami*

1:50 PM Panel Case Discussion – *Session Faculty*

2:30 PM BREAK/EXHIBITS

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### Session VII: Stroke and Beyond

2:50 PM Brain Health and Stroke – *Ashfaq Shuaib*

3:05 PM Disparities in Stroke Care – *Shumei Man*

3:20 PM Factor XI Inhibitors - What the Future Holds – *Whitney Mayberry*

3:35 PM **DEBATE: Hormone Replacement Therapy and Stroke Risk**

- Hormone Replacement Therapy is not directly related to stroke risk - *Rodica DiLorenzo*
- Hormone Replacement Therapy is high risk for stroke - *Pelin Batur*
- Debate Discussion - *Debate Faculty*

4:30 PM ADJOURN

# Innovations in Cerebrovascular Care 2026

## Fees

**In Person Fee includes:** Continental breakfast, refreshment breaks, lunch and faculty PowerPoint presentations in PDF format

**Virtual Fee includes:** Access to webinar and faculty PowerPoint presentations in PDF format.

	In Person	Virtual
Physician	\$250	\$250
Non Physician	\$125	\$125
Resident/Fellow*	\$125	\$0

\*Letter from program director is required to receive the discounted fee. Cleveland Clinic employee fees and registration are available online only.

## Registration and Cancellation

Preregistrations are accepted online until 5:00 pm (EST), June 5, 2026. In case of cancellation, a full refund will be made if cancelled by June 1, 2026. After June 1, 2026, a 50% cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. **NO REFUNDS WILL BE ISSUED AFTER JUNE 10, 2026.**

For questions about registration, call 216.448.8710 or email [cmeregistration@ccf.org](mailto:cmeregistration@ccf.org)

## General Information

### Location

**InterContinental Hotel and Bank of America Conference Center**

9801 Carnegie Avenue Cleveland, OH 44106

Phone: 216.707.4100 or 877.707.8999

[www.intercontinentalcleveland.com](http://www.intercontinentalcleveland.com)

### Hotel Accommodations

Hotel reservations are separate from the course registration and are the responsibility of the participant. A block of rooms have been reserved at the InterContinental Hotel for a rate of \$199 plus tax. Please call 216.707.4100 to make your reservation.

**The cut-off date for the special rate is May 10, 2026.**

### Parking

Parking is available in the 100th Street Visitor's Parking Garage at prevailing rates. Valet parking at the hotel is available for an additional charge.

### Information

For further information about this activity, contact Liz Eaton at:

Phone: 800.223.2273 x55431

Email: [eatonl3@ccf.org](mailto:eatonl3@ccf.org)

## Accreditation

In support of improving patient care, Cleveland Clinic Center for Continuing Education is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

## Credit Designation

### • American Medical Association (AMA)

Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 14.50 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

### • American Nurses Credentialing Center (ANCC)

Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 14.50 ANCC contact hours.

### • American Academy of PAs (AAPA)

Cleveland Clinic Center for Continuing Education has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 14.50 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

### • American Board of Surgery (ABS) MOC

Successful completion of this CME activity 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.

Credit will be reported within 30 days of claiming credit.

### Faculty Disclosure Statement

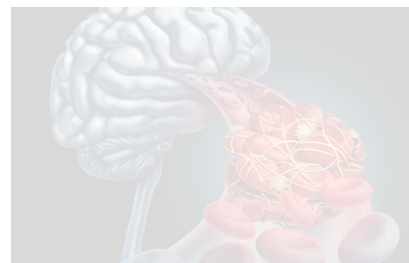
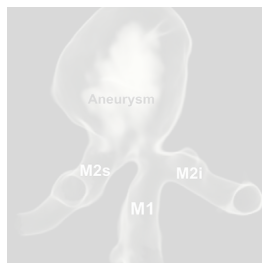
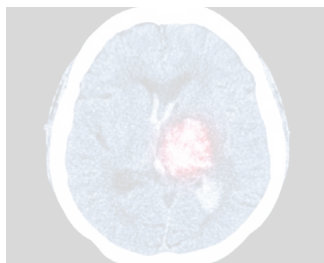
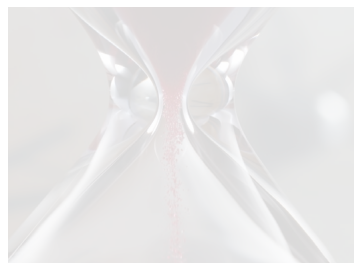
The Cleveland Clinic Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Integrity and Independence requiring mitigation of all faculty conflicts of interest. Faculty declaring a relevant financial relationship will be identified in the activity syllabus.

### Americans with Disabilities Act

The Cleveland Clinic Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

## Health and Safety Information

All applicable Centers for Disease Control (CDC), state, and local safety protocols will be enforced for this event. As participants are responsible for their own health choices, the use of masks by all participants at this event is optional.



Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.