Cleveland Clinic

Innovations in Cerebrovascular Care 2024

Tuesday June 18 – Wednesday June 19

InterContinental Hotel and Conference Center Cleveland, OH and Live Stream

Attend In Person or Live Stream



Register Today! www.ccfcme.org/IICC

Innovations in Cerebrovascular Care 2024

Overview

Care of cerebrovascular conditions continues to advance at a rapid pace. The Cleveland Clinic Innovations in Cerebrovascular Care 2024 meeting aims to focus on clinical care and technological advances in the field, as well as provide a multidisciplinary discussion around some of the greatest challenges practitioners from the neurosciences and other fields face in caring for these complex patients.

Who Should Attend?

This educational activity is intended for emergency medicine physicians, fellows, neurointensivists, neurointerventionalists, neurologists, neuroradiologists, neurosurgeons, nurse practitioners, nurses, pharmacists, 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:

- Critically review the evidence on the potential indications for anticoagulation in cerebral amyloid angiopathy and the risks and benefits of anticoagulation for each potential indication.
- Describe the latest techniques in the treatment of hemorrhagic stroke and arteriovenous malformation, and candidate selection for each, including minimally invasive techniques, based on current knowledge.
- Elucidate the clinical evidence to support the use of flow diversion for the treatment of intracranial aneurysms, and the efficacy and safety profile of this treatment, and for which patients this treatment option is feasible.
- Discuss the management of complex cerebrovascular lesions, especially intracranial aneurysms and arteriovenous malformations.
- Describe the evidence for administering IV thrombolysis outside the approved 4.5-hour time window in patients suffering acute ischemic stroke, the evidence for anticoagulation in the treatment of cervical artery dissection, and the use of GLP-1 receptor agonists to reduce the risk of stroke.
- Express how the control of modifiable risk factors can prevent dementia and stroke in older individuals.
- Recall the process of normothermic regional perfusion to preserve organ function to increase the pool of donors in heart transplantation.

Cleveland Clinic Course Director



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

Cleveland Clinic Co-Directors



Mark Bain, MD, MS, FAANS Head of Cerebrovascular Neurosurgery and Endovascular Surgical Neuroradiology Staff, Department of Neurosurgery and Cerebrovascular Center Assistant Professor, Cleveland Clinic Lerner

College of Medicine Department of Surgery



Joao Gomes, MD, FCCM, FAHA Head, Neurointensive Care Unit Staff, Cerebrovascular Center





Andrew Russman, DO, FAAN, FAHA Head, Cleveland Clinic Stroke Program Medical Director, Comprehensive Stroke Center

Staff, Vascular Neurology

Ken Uchino, MD, FAHA, FANA Director, Vascular Neurology Fellowship Head, Research and Education, Cerebrovascular Center Staff, Vascular Neurologist Associate Professor, Cleveland Clinic Lerner College of Medicine

Innovations in Cerebrovascular Care 2024

Guest Faculty –



Steven Greenberg, MD, PhD Massachusetts General Hospital Boston, Massachusetts



Ferdinand Hui, MD The Queen's Health System Honolulu, Hawaii



Scott Raymond, MD The University of Vermont Medical Center Burlington, Vermont



Ashfaq Shuaib, MD, FRCP(C) University of Alberta Edmonton, Alberta, Canada



Dinesh Jillella, MD Emory University School of Medicine Atlanta, Georgia



Ashutosh Mahapatra, MD The University of Texas Health Science Center at Houston Houston, Texas



Brian Silver, MD, FRCP(C) UMass Memorial Health Worcester, Massachusetts

John Trahanas, MD Vanderbilt University Medical Center Nashville, Tennessee



Jason Mathew, DO Stony Brook University Stony Brook, New York

Cleveland Clinic Faculty ———

Christine Ahrens, PharmD Khaled Asi, MD Marc Babi, MD Adam Barron, MD A. Blake Buletko, MD Morgan Carter, PhD Rodica Di Lorenzo, MD Van Fagert, CNP G. Abbas Kharal, MD Varun Kshettry, MD Nina Moore, MD Michal Obrzut, MD Ela Plow, PhD Peter Rasmussen, MD Tina Resser, MSN, ACNP-BC, FNP-BC, CNRN Gabor Toth, MD Jenny Tsai, MD Daniel Wadden, CNP Wei Zhang, MD, PhD, MS

Planning Committee ———

Christine Ahrens, PharmD Marc Babi, MD Adam Barron, MD Dhimant Dani, MD Rodica Di Lorenzo, MD Brad Douglas, MSN, ACNP-BC G. Abbas Kharal, MD Nina Moore, MD Amre Nouh, MD, MBA, FAHA, FAAN Tina Resser, MSN, ACNP-BC, FNP-BC, CNRN Nicole Smith, PA-C Gabor Toth, MD Jenny Tsai, MDCM, FRCP(C)

Agenda

Tuesday, June 18

luesday, June 18		
7:00 am	Registration/Continental Breakfast/Exhibits	
8:00 am	Welcome and Introduction Andrew Russman	
CAA		
Moderators:	G. Abbas Kharal, Andrew Russman	
8:10 am	What's new and hot in CAA Steven Greenberg	
8:30 am	Debate: Can a patient with numerous cerebral microbleeds or possible CAA be anticoagulated? Pro: Brian Silver Con: Andrew Russman	
9:00 am	Panel Discussion. Challenging cases in acute stroke management among patients with numerous cerebral microbleeds Steven Greenberg, Andrew Russman, Brian Silver, Gabor Toth	
10:00 am	Refreshment Break/Exhibits	
Moderators:	Rodica Di Lorenzo, Andrew Russman	
10:30 am	Not all cerebral microbleeds are CAA Brian Silver	
10:50 am	Clinical and subclinical CAA-RI G. Abbas Kharal	
11:10 am	Emerging therapeutic approaches for CAA Steven Greenberg	
11:30 am	Panel Discussion. Challenging cases in CAA management Steven Greenberg, G. Abbas Kharal, Brian Silver, Ken Uchino	
12:15 pm	Lunch/Exhibits	

360° Management of Hemorrhagic Stroke

Moderators:	Dhimant Dani, Nina Moore, Tina Resser	
1:00 pm	MMA embolization. Where we are and what questions remain? Michael Obrzut	
1:20 pm	Debate: Minimally invasive ICH evacuation for basal ganglia hemorrhage Pro: Varun Kshettry Con: Peter Rasmussen	
1:50 pm	Debate: Are lumbar drains the new standard in SAH Pro: Marc Babi Con: Adam Barron	
2:20 pm	Panel Discussion: Challenging cases in management of hemorrhagic stroke Marc Babi, Adam Barron, Varun Kshettry, Nina Moore, Michael Obrzut, Peter Rasmussen	
3:00 pm	Refreshment Break/Exhibits	
The Next F	rontier in Cerebrovascular Care	
Moderators:	Shazam Hussain, Gabor Toth	
3:30 pm	Al and machine learning in the angiography suite Scott Raymond	
3:50 pm	Novel advances in stroke rehabilitation Ela Plow	
4:10 pm	Personalized care for AVMs: Ready for prime time? <i>Nina Moore</i>	
4:30 pm	How to approach innovations Morgan Carter	
4:50 pm	Panel Q&A	

7:00 am	O0 am Continental Breakfast/Exhibits 00 am Welcome and Introduction Shazam Hussain		
8:00 am			
Aneurysm			
	Peter Rasmussen, Van Fagert		
8:10 am	Novel devices for aneurysm embolization Jenny Tsai		
8:30 am	Debate: Intrasaccular flow diversion is the new standard for bifurcation aneurysms Pro: Gabor Toth Con: Ashutosh Mahapatra		
9:00 am	Panel Discussion: Complex cases in treatment of cerebral aneurysm and AVM Ashutosh Mahapatra, Nina Moore, Peter Rasmussen, Jenny Tsai, Gabor Toth		
10:00 am	Refreshment Break/Exhibits		
Acute Stro	ke Therapy		
Moderators:	Khaled Asi, Nicole Smith, Ken Uchino		
10:30 am	Updates in stroke after ISC and ESOC Shazam Hussain		
10:55 am	Debate: Late Window Thrombolysis With Tenecteplase Pro: Rodica Di Lorenzo Con: Dinesh Jillella		
11:25 am	Panel Discussion: Complex cases in acute stroke management Rodica Di Lorenzo, Shazam Hussain, Dinesh Jillella		
12:15 pm	Lunch/Exhibits		
Secondary	Prevention of Stroke		
Moderators:	Christine Ahrens, Andrew Russman		
1:00 pm	GLP1- receptor agonist and stroke prevention in patients with and without diabetes Wei Zhang		
1:20 pm	Debate: Anticoagulation has a role in management of cervical artery dissection Pro: Jason Mathew Con: A. Blake Buletko		
1:50 pm	Debate: It's time to abandon the ESUS concept Pro: Ashfaq Shuaib Con: Ken Uchino		
2:20 pm	Panel Discussion: Complex scenarios in secondary prevention of stroke A. Blake Buletko, Jason Mathew, Ashfaq Shuaib, Ken Uchino		
3:00 pm	Refreshment Break/ Exhibits		
	Indications		
Moderators:	Joao Gomes, Daniel Wadden		
3:30 pm	Vascular Health and the Aging Brain Ashfaq Shuaib		
3:50 pm	A framework for cerebral venous congestion Ferdinand Hui		
4:10 pm	Normothermic regional perfusion in donation after cardia death John Trahanas		
4:30 pm	Panel Discussion: What will Neurointerventional Looks like in 20 years Shazam Hussain, Gabor Toth, Jenny Tsai		

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

5:00 pm

Adjourn

Innovations in Cerebrovascular Care 2024

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, 2024. In case of cancellation, a full refund will be made if cancelled by June 11, 2024. After June 11, 2024, 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 18, 2024**.

For questions about registration, call 216.448.8710 or email 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

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 \$179 plus tax. Please call 216.707.4100 to make your reservation.

The cut-off date for the special rate is May 17, 2024.

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

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.

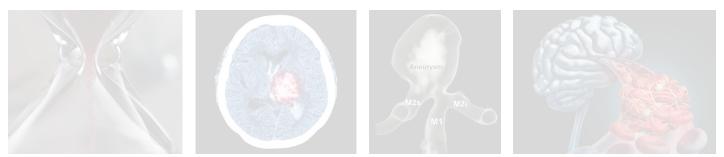
Credit will be reported within 30 days of claiming credit.

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.



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.