

## Date & Location

Thursday, October 9, 2025, - Saturday, October 11, 2025,  
Sheraton Commander Hotel, Cambridge, Boston, MA  
Course Dinner: Harvard Arts Museum, Friday Oct 10, 6:30pm

## Target Audience

*Specialties* - Neurology, Neurosurgery, Radiology, Endovascular  
Neurosurgery *Professions* - Physician, PA, NP, Nurses

## Learning Objectives

**At the conclusion of this activity, learners will be able to:**

Recognize the normal and abnormal angioarchitecture of the CNS arterial system and its variations.

Identify the role that the CNS arteries have in different vascular conditions/abnormalities such as dural arteriovenous fistulae (dAVFs), epistaxis and meningiomas

Assess potential indications, risks and complications of novel endovascular treatment routes.

Discuss the indications, technical considerations and potential complications of using new devices in interventional neuroradiology.

Discuss and review recent and new clinical studies regarding stroke treatment.

Apply knowledge of new imaging and endovascular techniques and devices for management of various neurological diseases.

Recognize the clinical manifestations, imaging features and treatment challenges of unusual or controversial neurovascular diseases, for example intracranial atherosclerosis.

Discuss recent advances and studies in treatment of neurovascular diseases

Examine and choose treatment strategies for patients with stroke.

Assess risk management when obtaining clinical consent for neurovascular procedures

## Registration

Registration is open @ <https://lahey.cloud-cme.com/>

Registration Fee includes: Participation in the conference, Breakfasts, Lunches and Coffee Breaks as well as Registration to the Gala Dinner at the Harvard Arts Museum

## Cancellation Policy

Please note that cancellation fees vary depending on the activity.

Cancellations must be made in writing, and refunds, minus the applicable cancellation fee, will be processed within 2 weeks. For cancellations made within 15 days or no-shows, the full registration fee may be forfeited. If you have any questions, please contact us at [kim.e.scroxton@lahey.org](mailto:kim.e.scroxton@lahey.org)

# Annual Interventional Neuroradiology Symposium

## & IN-SUP CHOI Neurovascular Anatomy Workshop

OCTOBER 9-11, 2025 – SHERATON COMMANDER HOTEL, CAMBRIDGE, BOSTON, MA, USA (IN-PERSON ONLY)

### PROGRAM DIRECTOR

**Timo Krings MD, PhD, FRCP**

Chair, Division of Neurointerventional Radiology and Professor of Radiology  
Beth Israel Lahey Health and Lahey Clinic,  
UMass TH Chan School of Medicine, Boston, MA

### ORGANIZING COMMITTEE

**Johanna Fri MD**

Associate Professor of Radiology, Neurosurgery, and Neurology  
Mount Sinai Health System, New York, NY, USA

**Matthew J Gounis PhD**

Professor of Radiology UMass TH Chan School of Medicine, Boston, MA, USA

**Joshua Hirsch MD FACR FISR FSNIS**

Director of Interventional Neuroradiology & Associate Professor of Radiology  
MGH, Harvard Medical School, Boston, MA, USA

**Adel Malek MD PhD**

Chief Neurovascular Surgery and Professor of Neurosurgery  
Tufts Medical Center and Tufts University School of Medicine, Boston, MA, USA

**Thanh Nguyen MD FRCP FSVIN, FAHA**

Director of Interventional Neurology/Neuroradiology and Professor of Radiology, Neurosurgery and Radiology  
Boston Medical Center and Boston University School of Medicine, Boston, MA, USA

**Emmanuelle Orru MD**

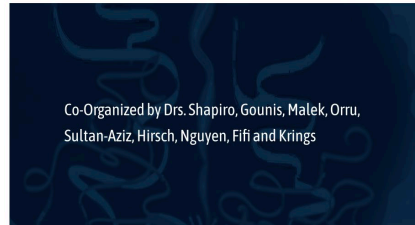
Interventional Neuroradiologist and Assistant Professor of Radiology  
Beth Israel Lahey Health and Lahey Clinic, UMass TH Chan School of Medicine, Boston, MA, USA

**Maksim Shapiro MD**

Professor of Neurosurgery, Neurology and Radiology  
NYU Langone Medical Center and NYU Grossman School of Medicine, New York, NY, USA

**Mohammad A. Sultan-Aziz MD**

Chief of Vascular/Endovascular Neurosurgery and Associate Professor of Neurosurgery  
Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA



Co-Organized by Drs. Shapiro, Gounis, Malek, Orru,  
Sultan-Aziz, Hirsch, Nguyen, Fifi and Krings



Dear Colleagues,

We are delighted to announce the **Annual Interventional Neuroradiology Symposium** and the inaugural **InSup Choi Neurovascular Anatomy Workshop**, which will take place **October 9–11, 2025 (Thursday–Saturday)** at the **Sheraton Commander Hotel** in Cambridge, Boston, Massachusetts. This year's conference will be an in-person event, fostering enhanced interaction and engagement.

The first day, named in honor of one of the most inspiring luminaries in our field, will be dedicated to **Neurovascular Anatomy**. Through a case-based approach, we will explore **EC–IC Anastomoses** and **Cranial Nerve Supply** as encountered in the management of **CSDH, epistaxis, and dural AVF treatments**.

The following two days will focus on advances in minimally invasive treatments, updates on recent developments, and discussions on topics including **arterial dissections, aneurysms, stroke, and pediatric vascular lesions**. Interactive, case-based sessions will stimulate dialogue between speakers and attendees, encouraging meaningful exchanges of ideas.

This year's "non-vascular" session will address quality of care and the critical topic of malpractice issues pertinent to our specialty. Attendees will gain both conceptual insights and practical knowledge while staying informed about the latest techniques and materials. Each section of the Symposium has been thoughtfully curated by our esteemed course co-organizers: **Drs. Shapiro, Gounis, Malek, Orru, Aziz-Sultan, Hirsch, Nguyen, and Fifi**.

We believe this Symposium and workshop will appeal to a wide audience, including neurosurgeons, neurologists, neuroradiologists, and interventionalists. It also offers a chance to reconnect with old colleagues, forge new relationships, and experience the charm of Boston's vibrant international community during the beautiful New England Indian Summer.

## Agenda

Day 1 Thu	In Sup Choi Neurovascular Anatomy Course	0900 – 1700
TIME	NAME OF TALK	Lecturer / Chair
		Shapiro
0900-0930	EC-IC Anastomoses – The ophthalmic System	Shapiro
0930-1000	EC-IC Anastomoses – Cavernous and Petrous	Choi
1000-1030	EC-IC Anastomoses – Upper Cervical	Maekawa
1030 – 1100	<b>COFFEE BREAK</b>	
1100-1130	CASE DISCUSSIONS Epistaxis and EC-IC Anastomoses	Terbrugge
1130-1200	CASE DISCUSSIONS dAVF and EC-IC Anastomoses	Krings
1200-1230	CASE DISCUSSIONS MMA Embolizations, Variant MMA anatomy and EC-IC Anastomoses	Patel (Lahey)
1230 – 1330	<b>LUNCH BREAK</b>	
1330 – 1400	Dural-Pial Connections	Krings
1400 – 1430	Cranial Nerve Supply : CN I-VI	Choi
1430 – 1500	Cranial Nerve Supply CN VII-XII	Shapiro
1500 – 1530	<b>COFFEE BREAK</b>	
1530 – 1600	CASE DISCUSSIONS: Pial Supply in dural AVF	Krings
1600-1630	CASE DISCUSSIONS: dAVF and CN I – VI supply	Guest
1630 – 1700	CASE DISCUSSIONS: dAVF and CN VII-XII supply	Maekawa

Day 2 – Fri	INR Symposium	0800 – 1700
TIME	NAME OF TALK	Lecturer / Chair
	MINISymposium: New Devices/Techniques	Gounis
0800 0820	Fetal Vein of Galen Treatment – From Bench to Bedside	Chen
0820-0840	Catheterization of the Cisterna magna	Gounis
0840-0900	Surface Modification of Stents/Flowdiverters: Mechanisms of Action	Orru
0900-0930	Clot Composition: Does it matter?	Brinjikji
0930 – 1000	<b>COFFEE BREAK</b>	
	MINISymposium: F/u on Devices/Techniques	Malek
1000-1030	E-Shunt	Malek
1030-1100	Stentrode	Oxley
1100-1130	Minimally Invasive Hematoma Evacuation	Mocco
1130-1200	Robotic INR	Pereira
1200 – 1300	<b>LUNCH BREAK</b>	

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Day 2 – Fri	INR Symposium	0800 – 1700
TIME	NAME OF TALK	Lecturer / Chair
	MINISymposium: Arterial Dissections	Orru
1300 – 1330	Extracranial Dissections and Acute Stroke	Puri
1330 – 1400	Intracranial Dissection Phenotypic Expressions	Krings
1400 – 1430	Spinal Arterial Dissections	Pace
1430 – 1500	Collagenopathies, SAM and Dissections	Guest
1500 – 1530	<b>COFFEE BREAK</b>	
	MINISymposium: Case Discussion	Sultan-Aziz
1530 – 1600	CASES: Unexpected findings during and after FD Aneurysm Treatment	Hanel
1600 – 1630	CASES: Unexpected findings during and after WEB Aneurysm Treatment	Matouk
1630 – 1700	CASES: Great Bailouts	Sultan Aziz

Day 3 – Sat	INR Symposium	0800 – 1500
TIME	NAME OF TALK	Lecturer / Chair
	Neither Device nor disease – still relevant	Hirsch
0800-0830	Health Policy Update for NeuroIntervention with a focus on the NSA	Hirsch
0830-0900	Consent and malpractice in Neurointervention – What does a lawyer look for?	Breakstone
0900-0930	Future of Fellowships IN US Perspectives from a trainer	Milburn
0930-1000	Quality Assurance and Neurointervention	Patel (MGH)
1000 – 1030	<b>COFFEE BREAK</b>	
	Stroke	Nguyen
1030 – 1050	ICAD Imaging	Samaniego
1050 – 1110	ICAD stenting Stenting: Expanding Indications and Technical Considerations	Abdalkader
1110 – 1130	Rescue Stenting – what is new?	Nguyen
1130 – 1200	Update on Recent Trials	Yaghi
1200 – 1300	<b>LUNCH BREAK</b>	
	Pediatric INR	Fifi
	Decision Making in Pediatric INR: Tough cases from New York	Fifi
1330 – 1400	Decision Making in Pediatric INR: Tough cases from Boston	See
1400 – 1430	Decision Making in Pediatric INR: Tough cases from Houston	Chen
1430 – 1500	Decision Making in Pediatric INR: Tough cases from Washington DC	Pearl