



# 3<sup>rd</sup> WFNS Vascular Symposium Prague

May 21–22, 2026  
Prague, Czech Republic

*New ideas in a short, clear lecture, verified  
in an open and constructive discussion*

## Final Program

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## Welcome

**Dear Colleagues,  
Dear Friends,**

On behalf of the WFNS Cerebrovascular Diseases & Therapy Committee and the organizing committee, it is my pleasure to invite you to the 3<sup>rd</sup> WFNS Vascular Symposium which will take place in the beautiful city of Prague, Czech Republic on May 21–22, 2026. We would like to follow upon the former very successful meetings in Cluj, Romania 2022 and at Harvard University in Boston, USA 2023.

This prestigious event will bring together leading experts, researchers, and practitioners in the field of neurosurgical vascular medicine to share knowledge, discuss advancements, and foster collaboration.

**Looking forward to seeing you  
in Prague!**

Yours sincerely

**Prof Martin Sames, MD, PhD  
Prof Guiseppe Lanzino, MD, PhD**  
*Presidents of the Congress*

## General Information

### Symposium Venue

**NH Collection Prague Carlo IV**

Senovážné náměstí 13/ 991, 110 00 Prague, Czech Republic

### Registration Desk

#### Opening Hours

Wednesday, May 20, 2026	18:30–20:30
Thursday, May 21, 2026	07:30–18:30
Friday, May 22, 2026	08:00–19:00

### Speakers' Ready Room

#### Opening Hours

Thursday, May 21, 2026	07:30–18:30
Friday, May 22, 2026	07:30–19:00

### Wi-Fi

**Name:** NHCOLLECTION

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### Symposium Website

[www.wfnssymposium2026.eu](http://www.wfnssymposium2026.eu)

### Final Program on the Symposium Website



### Symposium Secretariat

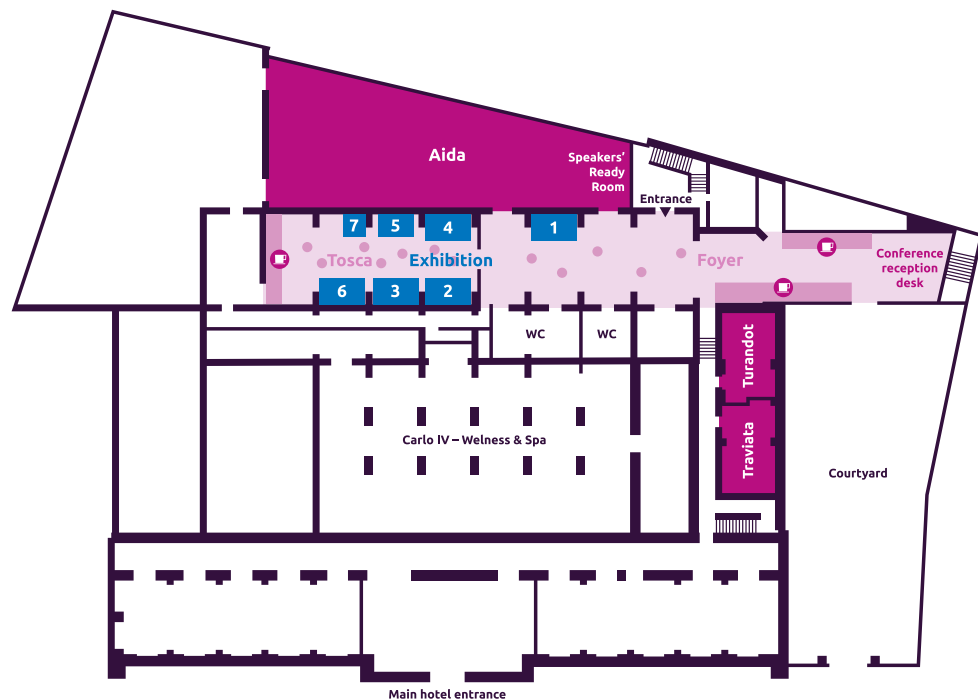
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## Floor Plan



### List of Exhibitors

- 1 – NorthMed
- 2 – Almeda
- 3 – West Medical SK
- 4 – B. Braun
- 5 – Carl Zeiss
- 6 – MG Viva
- 7 – Surgipa

## Program at a Glance

### Thursday May 21, 2026

08:15–10:00	<b>Session 1 – AVM I</b>
10:00–10:30	<b>Coffee break 1</b>
10:30–12:05	<b>Session 2 – AVM II</b>
12:05–13:10	<b>Lunch break, CvDTC Meeting, Nurse session</b>
13:10–14:30	<b>Session 3 – Cavernoma</b>
14:30–15:00	<b>Coffee break 2</b>
15:00–16:30	<b>Session 4 – Aneurysm I</b>
16:30–17:00	<b>Coffee break 3</b>
17:00–18:25	<b>Session 5 – Aneurysm II</b>

### Friday May 22, 2026

08:00–09:45	<b>Session 6 – Aneurysm III</b>
09:45–10:15	<b>Coffee break 4</b>
10:15–12:00	<b>Session 7 – Aneurysm IV</b>
12:00–13:00	<b>Lunch break</b>
13:00–14:30	<b>Session 8 – Ischemia I</b>
14:30–15:00	<b>Coffee break 5</b>
15:00–16:50	<b>Session 9 – Ischemia II</b>
16:50–17:20	<b>Coffee break 6</b>
17:20–18:35	<b>Session 10 – Varia</b>
18:35–18:50	<b>Closing remarks</b>

## Detailed Program

### Thursday May 21, 2026

#### 08:00–08:15 Video CvDT Committee WFNS

R. Mendel, M. Sameš, A. Hejčl

#### Introduction WFNS CvDT Committee

S. Florian, G. Lanzino, M. Sameš, A. Hejčl

#### 08:15–10:00 Session 1 – AVM I

**Chairs: S. Florian, G. Lanzino, L. Regli**

12+3 **How ARUBA and SCOTTISH AUDIT influenced the surgery of brain AVMs**

S. Florian (Romania)

12+3 **Multidisciplinary management of dural AVF**

G. Lanzino (USA)

12+3 **High grade dural AV fistulas: treatment selection and outcome**

L. Regli (Switzerland)

12+3 **Microsurgical Management of Spetzler–Martin Grade III Brain Arteriovenous Malformation**

E. Vieira (Brazil)

8+2 **Surgical treatment of AVM and the role of embolisation**

M. Smrčka (CZE)

8+2 **Battles of AVM**

W. Abbass (Egypt)

3+2 **Association between venous congestion and cognitive dysfunction in brain arteriovenous malformations (Abstract)**

L. Regli (Switzerland)

3+2 **Zebra Stripes and cartoon reels: a case of bilateral cerebellar bleed (Abstract)**

T. Short (UK)

3+2 **Surgical Outcomes and Recurrence in Pediatric AVMs: Influence of Preoperative Embolization (Abstract)**

J. Fernandes Silva (Portugal)

3+2 **Intraoperative Visual Evoked Potential Monitoring for Sylvian AVM Resection (Abstract)**

K. Agyemang (UK)

#### 10:00–10:30 Coffee break 1

Bypass technique demonstration Bypass Masters (Zeiss)

#### 10:05–10:30 Poster session AVM 1–3 (page 17)

#### 10:30–12:05 Session 2 – AVM II

**Chairs: Ali Aziz Sultan, J. Klener, J. Fiedler**

12+3 **Embolization for high grade AVM**

Ali Aziz Sultan (USA)

8+2 **Microsurgical treatment of high risk cranial dural AV fistulae non amenable to EVT**

J. Klener (CZE)

12+3 **AVM Embolisation: preoperative, curative, and palliative. When transarterial, when transvenous? (Goal dependent EVT of brain AVMs)**

Z. Kulcsár (Switzerland)

8+2 **Urgent Surgery of the Ruptured brain AVMs**

J. Fiedler (CZE)

12+3 **Progress in targeted therapies for AVMs**

I. Radovanovic (Canada)

8+2 **Angiographic and hemodynamic features in brain AVM-associated epilepsy and the effects of AVM resection (Abstract)**

M. Sebök (Switzerland)

3+2 **Comparative Outcomes of Treatment Modalities for Spetzler–Martin Grade III Arteriovenous Malformations: A Systematic Review and Meta-Analysis of 4,982 Patients (Abstract)**

A. Bahri (Iran)

3+2 **Timing Is Secondary in Hemorrhagic AVMs: Associated Aneurysms Emerge as a Determinant of Functional Outcome (Abstract)**

A. Pinheiro Pinto (Portugal)

3+2 **Endovascular Treatment of Spinal Dural Arteriovenous Fistulas Using Onyx: A 20-Year Single-Center Experience (Abstract)**

R. Voldřich (CZE)

3+2 **Risk engineering rather than risk Avoidance: A multivector mitigation strategy for deep eloquent high-grade arteriovenous malformations (Abstract)**

M. Asha (UAE)

#### 12:05–13:10 Lunch break, CvDTC Meeting, Nurse session

**13:10–14:30 Session 3 – AVM III, Cavernoma****Chairs: G. Lanzino, M. Fratzoglou, J. Morcos**

- 12+3 **Spinal AVM management**  
D. Walsh (UK)
- 12+3 **Surgery for brainstem cavernomas: From anatomy to techniques**  
J. Morcos (USA)
- 12+3 **Cavernous Malformation : Natural history and surgical indications**  
G. Lanzino (USA)
- 8+2 **Current surgical management of supra and infratentorial brain cavernous malformations**  
M. Fratzoglou (Greece)
- 8+2 **Surgery and Endovascular Management of Dural AV Fistula**  
P. Pandey (India)
- 3+2 **Artificial intelligence for detecting and predicting hemorrhage in cerebral cavernous malformations: a systematic review (Abstract)**  
Z. Zhang (UK)
- 3+2 **Functional Corridor–Driven Risk Stratification for Deep Eloquent Cerebral Cavernomas: The DECS Algorithm and 5-Year Surgical Outcomes (Abstract)**  
M. Asha (UAE):
- 3+2 **Technical considerations in resection of a giant pontine cavernoma (Abstract)**  
K. Agyemang (UK)

**14:30–15:00 Coffee break 2****Bypass technique demonstration Bypass Masters (Zeiss, Olympus)**J. Morcos (USA), Zeiss  
A. Malucelli (CZE), Olympus – CEA**14:35–14:55 Poster session Aneurysm 1–2 (page 17)****15:00–16:30 Session 4 – Aneurysm I****Chairs: I. Radovanovic, S. Marbacher, A. Hejčl**

- 12+3 **Unruptured aneurysms – a surgical point of view**  
S. Florian (Romania)
- 12+3 **Surgery for Unruptured aneurysms: a single center experience in 450 patients**  
I. Radovanovic (Canada)
- 8+2 **Intracranial Aneurysm Remnants and Recurrence after Clipping**  
S. Marbacher (Switzerland)
- 8+2 **A New Era: Robotics in Endovascular Intracranial Aneurysm Treatment**  
K. Zelenak (Slovakia)
- 8+2 **Aneurysm – hybrid approaches**  
Ali Aziz-Sultan (USA)
- 3+2 **Comparative Effectiveness of Surgical, Endovascular, and Conservative Strategies for Unruptured Intracranial Aneurysms (Abstract)**  
A. Msheik (Qatar)
- 3+2 **Are we overtreating incidentally detected unruptured intracranial aneurysms? A risk-score–based analysis of treatment decisions (Abstract)**  
B. Musilova (CZE)
- 3+2 **Distal Aneurysms of Cerebellar Arteries – Case Series (Abstract)**  
D. Krahulík (CZE)
- 3+2 **Treatment of Traumatic Pseudoaneurysms of the Distal Anterior Cerebral Artery (Abstract)**  
P. Krůpa (CZE)
- 3+2 **Temporary Arterial Occlusion in Intracranial Aneurysm Surgery: A Systematic Review of Duration-Dependent Ischemic Risk and Strategies for Neurological Protection (Abstract)**  
A. Ismail (Pakistan)
- 3+2 **Intermediate catheter assisted “Putting down your foot technique” WEB embolization of basilar tip aneurysm: an illustrative case (Abstract)**  
M. A. Shimekit (Ethiopia)
- 16:30–17:00 Coffee break 3**  
**Bypass technique demonstration Bypass Masters (Zeiss)**  
D. Krahulík (CZE), Olympus exoscope

**17:00–18:25 Session 5 – Aneurysm II****Chairs: A. Gruber, M. Boutarbouch, R. Garcia-Lopez**

- 8+2 **Poor grade aneurysmal subarachnoid hemorrhage**  
P. Panni (Italy)
- 
- 8+2 **The added Value of High-Tec Operating Rooms**  
A. Gruber (Austria)
- 
- 8+2 **New trends in intraoperative neurophysiological monitoring and indocyanine green in aneurysm clipping (Abstract)**  
L. Machado (Brasil)
- 
- 8+2 **Treatment of blood blister like aneurysms**  
M. Boutarbouch (Morocco)
- 
- 8+2 **Beyond A1 Dominance: Hemodynamic Insight and Microsurgical Strategy in Anterior Communicating Artery Aneurysms**  
R. Garcia-Lopez (Mexico)
- 
- 8+2 **Endovascular Does Not Always Equal Minimally Invasive: Decision making on Coiling or Clipping for Ruptured Aneurysms: the perspective of a Dual-trained Neurosurgeon**  
S. K. Sanyal (India)
- 
- 3+2 **History and emerging trends in intrathecal therapy for patients with aneurysmal subarachnoid hemorrhage (Abstract)**  
M. Grubhoffer (CZE)
- 
- 3+2 **Initial 3 year experience of aneurysm surgery in newly set up tertiary care institute at Nagpur in INDIA (Abstract)**  
A. Umredkar (India)
- 
- 3+2 **Comparative efficacy and safety of therapeutic strategies for mirror Aneurysms**  
P. Javadnia (Iran)

**Friday May 22, 2026****08:00–09:45 Session 6 – Aneurysm III****Chairs: D. Srinivas, E. Vieira, A. Hejčl**

- 12+3 **Role of Bypass in aneurysm surgery**  
D. Srinivas (India)
- 
- 12+3 **Microsurgical Management of Giant Intracranial Aneurysms: The Role of Revascularization and Alternative Surgical Strategies**  
E. Vieira (Brazil)
- 
- 8+2 **From aneurysm surgery to laboratory modeling**  
A. Hejčl (CZE)
- 
- 8+2 **Microsurgical clipping of anterior circulation aneurysms in the endovascular era**  
L. Tsikarishvili (Georgia)
- 
- 8+2 **Decision making for tailored treatment of cerebral aneurysms – single center experience and literature review (Abstract)**  
M. Liška (CZE)
- 
- 8+2 **Keyhole temporalis sparing pterional craniotomy for aneurysm clipping – safety profile and technical nuances (Abstract)**  
Salman Ali (USA)
- 
- 8+2 **Extradural keyhole approach for paraclinoid aneurysms (Abstract)**  
E. Nathal (Mexico)
- 
- 3+2 **Woven EndoBridge Device Compared to Stent-Assisted Coiling and Microsurgical Clipping for Intracranial Aneurysms: A Systematic Review and Meta-Analysis (Abstract)**  
U. U. Mian (Pakistan)
- 
- 09:45–10:15 Coffee break 4**  
**Bypass technique demonstration Bypass Masters (Zeiss)**  
D. Srinivas (India), Zeiss

**09:50–10:10 Poster session Aneurysm 3–4 (page 18)**

**10:15–12:00 Session 7 – Aneurysm IV****Chairs: J. Morcos, Z. Kulcsar, N. Kocer**

- 12+3 **How to Enhance Healing in Cerebral Aneurysms**  
N. Kocer (Turkey)
- 12+3 **Surgical videos of microsurgery for complex aneurysms**  
J. Morcos (USA)
- 12+3 **Treatments of complex aneurysms**  
Bin Xu (China)
- 12+3 **Concepts of endovascular aneurysm treatment to increase efficacy**  
Z. Kulcsar (Switzerland)
- 12+3 **Flow preservation bypass for MCA Aneurysms: type of bypass and decision making**  
L. Regli (Switzerland)
- 8+2 **Complex MCA aneurysms**  
D. Srinivas (India)
- 8+2 **Posterior circulation bypass**  
V. Volovici (Netherland)
- 8+2 **Microsurgery for basilar tip aneurysms**  
F. Pahl (Brazil)

**12:00–13:00 Lunch break****12:30–12:50 Poster session Ischemia 1–3 (page 18)****13:00–14:30 Session 8 – Ischemia I CEA****Chairs: V. Priban, O. Nikoubashman, D. Szarek**

- 12+3 **History and current status of CEA**  
V. Přibáň (CZE)
- 12+3 **Carotid stenting today**  
O. Nikoubashman (Germany)
- 8+2 **Carotid Endarterectomy under General versus Cervical Block Anesthesia: A Single-Surgeon Comparative Experience (Abstract)**  
D. Krahulík (CZE)
- 8+2 **Arterio-arterial rete mirabile of the brain (Abstract)**  
D. Szarek (Poland)
- 8+2 **Complications in emergent carotid endarterectomy (Abstract)**  
M. Bombic (CZE)
- 8+2 **Less Usual Indications for Extracranial Vessel Interventions**  
A. Snajdrova (CZE)
- 3+2 **Long longitudinal carotid endarterectomy in the treatment of long-segment common and internal carotid artery stenosis (Abstract)**  
I. Davletova (CZE)
- 3+2 **Oxidative Stress as a Reliable Biomarker of Carotid Plaque Instability: A Pilot Study (Abstract)**  
N. Svoboda(CZE)
- 8+2 **Venous sinus thrombosis management**  
A. Snajdrová (CZE)
- 14:30–15:00 Coffee break 5**
- Bypass technique demonstration Bypass Masters (Zeiss)**  
V. Přibáň (CZE), Zeiss

**14:35–14:55 Poster session Ischemia bypass 4–6 (page 18)**

**15:00–16:50 Session 9 – Ischemia II Bypass****Chairs: F. Charbel, Bin Xu, M. Sames**

- 12+3 **Current indications and results of EC-IC bypass for ICAD**  
I. Radovanovic (Canada)
- 
- 12+3 **EC-IC bypass, indications and techniques**  
Bin Xu (China)
- 
- 12+3 **The many bypass options for Moya Moya disease. Which is the Best?**  
F. Charbel (USA)
- 
- 8+2 **Experience in evascularization for Moyamoya disease: an experience in 378 patients**  
P. Pandey (India)
- 
- 8+2 **Microsurgery Options in Acute Ischaemic Stroke**  
J. Fiedler (CZE)
- 
- 8+2 **Microsurgical Intracranial Intervention in Acute Ischemic Stroke (Abstract)**  
J. Mraček (CZE)
- 
- 3+2 **Surgical Thrombectomy for Acute Middle Cerebral Artery Occlusion**  
E. Nathal (Mexico)
- 
- 3+2 **Efficacy and Safety of Intravenous Thrombolysis Plus Endovascular Thrombectomy Compared to Endovascular Thrombectomy Alone in M2 Segment Occlusion of the Middle Cerebral Artery: A Systematic Review and Meta-Analysis**  
U. U. Mian (Pakistan)
- 
- 3+2 **Acute ECIC bypass for hemodynamic ischemia**  
R. Bartos
- 
- 8+2 **FAST bypass: translating microsurgical precision into measurable outcome in STA-MCA revascularization**  
M. Helmy (China)
- 
- 3+2 **The Internal mammary artery as alternative graft for high capacitance conduit in Internal maxillary artery to middle cerebral artery bypass (Abstract)**  
J. J. Ramírez-Andrade (Mexico)
- 
- 3+2 **Correlation of cerebrovascular reactivity and STA-MCA bypass flow**  
M. Sebök (Switzerland)

**16:50–17:20 Coffee break 6****Bypass technique demonstration Bypass Masters (Zeiss)**

F. Charbel (USA), Zeiss

**17:20–18:35 Session 10 – Pediatrics, ethic, future****Chairs: T. Mathiesen, M. Baccanelli, J. Frosen**

- 12+3 **Microbial exposure, PAMPs, and the risk of hemorrhage from aneurysms, AVMs, and cavernomas**  
J. Frosen (Finland)
- 
- 12+3 **Cerebrovascular Diseases in Children and Adolescents**  
S. Oushy
- 
- 8+2 **Microsurgical management of infants and pediatric cerebral aneurysms: illustrative surgical series for complex aneurysm clipping and parent vessel reconstruction (Abstract)**  
M. J. Asha (UAE)
- 
- 8+2 **Burr Hole Evacuation for Chronic Subdural Hematoma Dead? (Abstract)**  
M. Vaverka (CZE)
- 
- 8+2 **Ethics of evidence for vascular neurosurgery and the futility of RCTs**  
T. Mathiesen (Sweden)
- 
- 8+2 **Future of Microsurgery**  
M. Baccanelli (Argentina)
- 
- 3+2 **Initiation of a Pilote Neurovascular Unit at University Clinics of Kinshasa, DRC (Abs)**  
G. Ntsambi Eba (Kongo)

**18:35–18:50 Closing remarks**

G. Lanzino, M. Sames, A. Hejčl

## Poster Sessions

Thursday May 21, 2026	
10:00–10:30	Coffee break 1
10:05–10:30	Poster session AVM 1–3
12:05–13:10	Lunch break, CvDTC Meeting, Nurse session
14:30–15:00	Coffee break 2
14:35–14:55	Poster session Aneurysm 1–2
16:30–17:00	Coffee break 3
Friday May 22, 2026	
09:45–10:15	Coffee break 4
09:50–10:10	Poster session Aneurysm 3–4
12:00–13:00	Lunch break
12:30–12:50	Poster session Ischemia 1–3
14:30–15:00	Coffee break 5
14:35–14:55	Poster session Ischemia bypass 4–6

## Thursday May 21, 2026

- 10:05–10:30** **Poster session AVM 1–3**  
**Chairs: G. Lanzino, A. Hejčl**  
 3+2 **Design of a Novel Endovascular AVM Embolization Catheter Module Incorporating an Electrothermal Detachment Zone**  
 M. S. Sahin (Turkey)

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- 3+2 **Carotid–Cavernous Fistulas: A 29-Year Single-Center Endovascular Experience**  
 F. Blažek (CZE)

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- 3+2 **Challenging the Binary Concept of Eloquence in the Spetzler-Martin Grading System**  
 A. Pinheiro Pinto (Portugal)

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- 14:35–14:55** **Poster session Aneurysm 1–2**  
**Chairs: S. Marbacher, M. Sames**  
 3+2 **Delayed Aneurysmal Rupture Following Flow Diverter Placement despite adjunctive coiling: Case report**  
 M. A. Shimekit (Ethiopia)

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- 3+2 **A metaphor for medicine, timelines, and jumping timelines**  
 A. Kunz (USA)

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# Friday May 22, 2026

- 09:50–10:10 Poster session Aneurysm 3–4**  
**Chairs: L. Tsikarishvili, A. Hejčl**
- 3+2 **Reconstructive flow diversion with adjunctive coiling for a giant partially thrombosed basilar bifurcation aneurysm**  
 S. Rasulov (Uzbekistan)
- 3+2 **Endoscopic evacuation of spontaneous intracerebral haemorrhage: a narrow-corridor approach**  
 M. Pancholi (CZE)
- 
- 12:30–12:50 Poster session Ischemia 1–3**  
**Chairs: D. Krahulík, M. Sames**
- 3+2 **Retroaortic Technique During Anterior Lumbar Exposure in Severely Calcified Aortoiliac Disease: Operative Strategy And Literature Review**  
 M. Tharakan (USA)
- 3+2 **Tumor-mimicking Primary CNS Vasculitis: A Single Patient Pooled Meta-Analysis with Illustrative Case**  
 M. Tharakan (USA):
- 3+2 **Development of endovascular care for patients with ischemic stroke in the Ivanovo region**  
 J. Batuieva (RF)
- 
- 14:35–14:55 Poster session Ischemia bypass 4–6**  
**Chairs: J. Fiedler, A. Hejčl**
- 3+2 **Flow Augmentation Beyond Conventional Carotid Revascularization: STA–MCA Bypass in Dual-Level Internal Carotid Artery Near-Occlusion**  
 N. Allanazarova (Uzbekistan)
- 3+2 **Advanced Quantitative Hemodynamic and Flow MRI in Cerebral Revascularization Surgery**  
 M. Sebök (Switzerland)
- 3+2 **The spatial association between recurrent stroke lesions and impaired BOLD cerebrovascular reactivity**  
 M. Sebök (Switzerland)

FRIDAY

# Partners

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## Exhibitors



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