



With simulation area
and industry exhibition

Symposium Cerebrovascular Surgery and Intervention

26th – 27th May 2023

Josephinum,
Collections of the Medical University of Vienna
Währinger Straße 25, 1090 Vienna

www.meduniwien.ac.at/microsurgery

DEPARTMENT OF NEUROSURGERY



Dear Colleagues!

Our department looks forward to a historical 2023. After challenging years of renovation, reconstruction and the COVID-19 pandemic, our team is excited about the opening of a new surgical wing including a state-of-the-art angio-suite. There is even more reason to celebrate: this year marks the 30th anniversary of our 'European Workshops of on Basic Techniques of Microsurgery and Cerebral Revascularization', one of the longest-running bypass courses in Europe, founded by Professor Koos and Professor Ferraz-Leite.

Therefore, we are organizing a symposium on 'Cerebrovascular Neurosurgery and Interventions' on Friday and Saturday, May 26th and 27th 2023. We were able to gain world-renown cerebrovascular experts from Japan, the United States and Europe as speakers on these major topics: revascularization, multimodal treatment of complex intracranial aneurysms and AVMs. The second day will focus on the education, simulation and application of emerging technologies (robotics) in cerebrovascular surgery and intervention.

Join us for this special interdisciplinary occasion and participate in a lively discussion in the unique setting of the renovated historical lecture hall of the Josephinum, the former imperial military academy of medicine and surgery.

We look forward welcoming you soon in Vienna,

Karl Rössler
Chairman of the Department of Neurosurgery

Gerhard Bavinzski and Philippe Dodier
On behalf of the organizing committee

Friday, 26th May

8.00 am
Registration and coffee

8.30 – 8.50 am
Welcome
Representative of the Medical University of Vienna
Karl Rössler, Gerhard Bavinzski

8.50 – 10.05 am
Session: Multimodal AVM treatment

Radiosurgical treatment of cerebral AVMs
Josa-Maria Frischer

European consensus conference on unruptured brain AVM-treatment – the microsurgical perspective
Marco Cenzato

Endovascular treatment of AVMs
Edoardo Boccardi

Panel discussion: AVM treatment after ARUBA

10.05 – 10.25 am
Refreshment break

10.25 am – 12.10 pm
Session: Complex brain aneurysms

The role of bypass surgery in the endovascular era of brain aneurysm treatment. A hybrids' perspective
Gerhard Bavinzski

Neurovascular management of aneurysms by a hybrid surgeon: Coiling versus clipping
Alexandros Andreou

Bypass surgery in the management of complex brain aneurysms
Marco Cenzato

Evolving indications for flow diversion
Edoardo Boccardi

Strategies for complex aneurysms: Experiences of a dually trained neurosurgeon
Jeroen Boogaarts

Panel discussion: Current state and future developments in complex aneurysm treatment and revascularization techniques

12.10 – 1.30 pm
Lunch Symposium (presented by Medtronic)

1.30 – 4.10 pm
Session: Cerebral revascularization for ischemia

Pathophysiology of cerebral ischemia and endovascular revascularization
Wolfgang Serles

Neuroradiological assessment of cerebral Ischemia
Wolfgang Marik

Techniques and results of carotid thrombendarterectomy
Heber Ferraz-Leite

Flow augmentation for chronic ischemia: Indications and Vienna experience
Philippe Dodier

Flow-augmentation bypass in the treatment of acute ischemic stroke
Giuseppe Esposito

2.45 – 3.05 am
Refreshment break

Surgical management of moyamoya disease
Andreas Gruber

Current evidence and guidelines for Moyamoya disease: the Japanese perspective
Miki Fujimura

Post-operative hyperperfusion: Diagnosis and management
Miki Fujimura

Panel discussion: Revascularization techniques and indications – selecting the 'perfect' patient

4.10 – 4.30 pm
Wrapping up day 1

Alumni of the European Workshops around the world
Heber Ferraz-Leite

Awarding of Certificates of the European Workshop
Gerhard Bavinzski, Karl Rössler

4.30 – 5.30 pm
Guided tour of the museum (registration required)

Visit of simulation area and industry exhibition

Saturday, 27th May

8.30 am

Registration and coffee

9.00 – 10.35 am

Session: Education of vascular neurosurgeons and interventionalists

Update interventional stroke therapy: Patient selection, workflow, education

Arnd Dörfler

Training of cerebrovascular neurosurgeons: the European perspective (EANS)

Torstein R. Meling, Nikolay Velinov

Hybrid and endovascular training: Presentation of the boot camp program

Simone Peschillo

Training in open and endovascular techniques: The US-American concept

Pascal Jabbour

Panel discussion

10.35 – 11.00 am

Refreshment Break

11.00 am – 12.50 pm

Session: Emerging technologies in vascular neurosurgery

Endovascular robotic interventions

Pascal Jabbour

A flight simulator for the brain: the medusa project

Andreas Gruber

Fabricated neurosurgical simulator for vascular training

Marco Cenzato

4D simulator technology for cerebrovascular neurosurgery

Johannes Goldberg

Education through patient-specific physical and AR Simulations: a randomized controlled study

Francesco Moscato, Philippe Dodier

Medical simulation and emergency medical management

Karl Schebesta

Panel discussion

Wrapping up day 2

12.50 – 1.00 pm

Closing remarks

Gerhard Bavinzski, Karl Rössler

1.00 – 1.30 am

Lunch and visit of simulation area and industry exhibition

1.30 – 2.00 am

Guided tour of the museum (registration required)

Scientific committee

Karl Rössler*, Chairman

Gerhard Bavinzski*, Senior Vascular and Endovascular Neurosurgeon, Workshop Director

Philippe Dodier*, Workshop Secretary

Josa-Maria Frischer*

*Department of Neurosurgery, MedUni Vienna/ University Hospital Vienna, Austria

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Private Consultant Neurosurgeon

Founder and Former Workshop Director

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Nikolay Velinov

Clinics of Neurosurgery, University Hospital Pirogov,

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Director EANS Hands-on courses

Wei-Te Wang

Department of Neurosurgery, MedUni Vienna/

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DFP points were requested.

Please be aware that photographs and/or video footage will be taken at the event. These may be used for the purpose of documenting or reporting the event and published in print and online media, on various social media platforms and on MedUni Vienna's website.

The symposium participation is free of charge.

Please register at

www.meduniwien.ac.at/microsurgery



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