



Dear Colleagues!

It is a great pleasure to invite you to our training course on the “basic techniques of microsurgery and cerebral revascularization”.

Our workshop will focus on basic skills to handle the operating microscope and the instruments correctly. Furthermore, you will learn the micromanipulation of different tissues including small vessels and nerves under the microscope. Different kinds of microsurgical anastomosis and nerve coaptations will be performed as well. The course is dedicated not only to residents and young neurosurgeons, also the advanced neurosurgeon will have the opportunity to improve his/her techniques under the supervision of experts in the field. In addition, lectures on different topics relating to microneurosurgery will be presented in between the practical sessions. At least 5 hours of daily practical training have to be anticipated by the trainees. At the end of the training course, lectures from multidisciplinary specialists will focus on presenting the state of the art techniques, indications and latest evidence on cerebral revascularization.

Sincerely yours,

Gerhard Bavinzski
Workshop Director

Karl Rössler
Workshop Chairman
Head of the Department of Neurosurgery

43rd European Workshop Basic Techniques of Microsurgery and Cerebral Revascularization

19th – 23rd May 2025

Department of Neurosurgery
Medical University of Vienna/University Hospital
Vienna, Austria

www.meduniwien.ac.at/microsurgery

DEPARTMENT OF NEUROSURGERY



Monday, 19th May

8.45 am
Registration

9.00 – 9.05 am
Welcome and Introduction
Karl Rössler

9.05 – 9.20 am
Lecture: Use and Misuse of the Operating Microscope and Surgical Instruments
Gerhard Bavinzski

9.20 – 9.30 am
Lecture: Microsurgical Instruments and their Care
Team

9.30 – 9.40 am
Lecture: Microsurgical Suture Techniques and Suture Material
Wei-Te Wang

9.40 – 10.20 am
Hands-on: Performance of Running Sutures under the Microscope
Instructor: Heber Ferraz-Leite

10.20 – 10.40 am
Refreshment Break

10.40 – 11.20 pm
Hands-on: Performance of Interrupted Sutures under the Microscope
Instructor: Arthur Hosmann

11.20 am – 12.00 pm
Hands-on: Performance of End-to-End Anastomosis on Artificial Vascular Models
Instructor: Philippe Dodier

12.00 – 1.00 pm
Lunch

1.00 – 2.00 pm
Hands-on: Performance of End-to-End Anastomosis (Arteries)
Instructor: Philippe Dodier

2.00 – 3.00 pm
Hands-on: Performance of End-to-End Anastomosis (Veins)
Instructor: Philippe Dodier

3.00 – 4.00 pm
Hands-on: Performance of End-to-Side Anastomosis (Arteries)
Instructor: Wei-Te Wang

4.00 pm
Adjourn

6:30 pm
Networking Event - „Heuriger Evening“

Tuesday, 20st May

8.00 – 8.20 am
Lecture: Revascularization in Cerebral Ischemia The Technique of the Standard STA-MCA Bypass
Gerhard Bavinzski

8.20 – 9.40 am
Hands-on: Performance of End-to-Side Anastomosis (Veins)
Instructor: Arthur Hosmann , Anna Cho

9.40 – 10.00 am
Refreshment Break

10.00 – 11.00 am
Hands-on: Performance of End-to-Side Anastomosis (Arteries, different Angles)
Instructor: Maximilian Krawagna

11.00 am – 12.00 pm
Hands-on: Performance of End-to-Side Anastomosis (Veins, different Angles)
Instructor: Arthur Hosmann

12.00 – 1.00 pm
Lunch

1.00 – 1.20 pm
Video Presentation: External Carotid Artery to MCA Bypass Using Saphenous-Vein-Grafts
Philippe Dodier

1.20 – 1.40 pm
Hands-on: Vein Graft of End-to-End Anastomosis
Instructor: Arthur Hosmann, Anna Cho

1.40 – 2.00pm
Hands-on: Vein-Wall Patch Graft
Instructor: Anna Cho, Maximilian Krawagna

2.00 - 4.00pm
Hands-on: Advanced techniques
Instructor: Philippe Dodier, Anna Cho

4.30 pm
Adjourn

Save the date

21st - 22nd May 2025 (5.00 - 7:30pm)
Satellite Event: **Advanced Aneurysm Clipping Simulation and Training using exoscopes**

www.meduniwien.ac.at/microsurgery

Wednesday, 22nd May

8.00 – 8.50 am
Lecture: Microsurgery of the Peripheral Nerves
Tomas Menovsky

8.50 – 9.50 am
Hands-on: Nerve Coaptation
Instructor: Tomas Menovsky

9.50 – 10.10 am
Refreshment Break

10.10 - 12.00am
Experimental Aneurysm Models
Instructor: Wei-Te Wang, Arthur Hosmann

12.00 – 1.00 pm
Lunch

1.00 - 2.00 pm
Hands-on: End-to-Side Anastomosis in the Depth
Instructor: Gerhard Bavinzski

2.00 - 2.15 pm
Case presentation: Side-to-Side Anastomosis in the depth
Instructor: Alexandros Andreou

2.15 - 2.30 pm
Refreshment Break

2.30 - 4.30 pm
Hands-on: Side-to-Side Anastomosis
Instructor: Alexandros Andreou

4.30 pm
Adjourn

Thursday, 23rd May

8.20 am **Be on time!**
Meeting Place: Department of Neurosurgery

8.30 – 8.50 am
Introduction to Experimental Microvascular Surgery
Gerhard Bavinzski, Arthur Hosmann

8.50 am – 12.00 pm
Hands-on: Performance of End-to-End Arterial Anastomosis in Animals (CCA, Aorta, Femoral Artery)
Instructors: Faculty

12.00 – 12.45 pm
Lunch

12.45 – 2.45 pm
Hands-on: Performance of End-to-Side Arterial Anastomosis in Animals (CCA)
Instructors: Faculty

2.45 – 3.00 pm
Refreshment Break

3.00 – 4.00 pm
Hands-on: Small Caliber Vascular Replacement with Synthetic Grafts
Instructions: Faculty

4.00 pm
Adjourn

7.00 pm
Networking Dinner for Course Participants and Members of the Faculty

Friday, 23rd May

8.30 - 8.35am
Welcome and Introduction
Gerhard Bavinzski

8.35 - 8.55am
Radiological Assessment of Cerebral Ischemia
Ammar Mallouhi

8.55 - 9.15am
Pathophysiology of Cerebral Ischemia
Wolfgang Serles (*online*)

9.15 - 9.35am
History of Cerebral Revascularization and Techniques of carotid thrombendarterectomy
Heber Ferraz Leite

9.35 - 9.55am
Endovascular aspects of stroke
Wolfgang Marik

9.55 - 10.10am
Refreshment break
10.10 - 10.30am
Neurovascular management of aneurysms by a hybrid surgeon: Coiling versus clipping
Alexandros Andreou

10.30 - 11.00am
The role of bypass surgery in the endovascular era of brain aneurysm treatment. A hybrids' perspective
Gerhard Bavinzski

11.00 - 11.20am
Bypass Surgery from the Japanese perspective
Satoshi Kuroda (*online*)

11.20 - 11.40am
Vessel Harvesting and the Belgian bypass experience
Tomas Menovsky

11:40 - 12.45pm
Lunch
12.45 - 1.05pm
Upper basilar artery aneurysm surgery - Kawase approach
Vladimir Papic
1.05 - 1.25pm
Surgical Management of Moya-Moya Disease
Andreas Gruber (*online*)

Lecture Day
Jugendstilhörsaal
Spitalgasse 23, BT 88

1.25 - 1.45pm
Innovating the Future: Transforming Bypass Surgery for the Next Generation
Erez Nossek (*online*)

1.45 - 2.05pm
Pre- and intraoperative Planning for cererbral revascularization
Philippe Dodier

2.05 - 2.30pm
Discussion & Awarding of Certificates
Gerhard Bavinzski

International Faculty

Alexandros Andreou
Department of Neurosurgery and Interventional Neuroradiology
Hygeia Medical Center, Greece

Satoshi Kuroda
Department of Neurosurgery
University of Toyama, Japan

Vladimir Papic
Department of Neurosurgery
Univerity of Novi Sad, Serbia
King Fahad Hospital, Al Hofuf, Saudi Arabia

Andreas Gruber
Department of Neurosurgery
Johannes Kepler University Linz
Former Workshop Director

Maximilian Krawagna
Department of Neurosurgery
Klinikum St. Elisabeth, Straubing, Germany

Tomas Menovsky
Department of Neurosurgery
Medical University of Antwerp, Belgium

Erez Nossek
Department of Radiology and Neurosurgery
NYU Langone Medical Center, New York, USA

Organization and Local Faculty

Gerhard Bavinzski*
Workshop Director

Anna Cho*

Lorenzo Civilla
Center for Medical Physica and Biomedical Engineering

Philippe Dodier*
Workshop Secretary

Heber Ferraz-Leite
Private Consultant Neurosurgeon
Found and former Workshop Director

Dorian Hirschman* (on leave)

Arthur Hosmann*

Ammar Mallouhi
Dpt. of Biomedical Imaging and Image-guided Therapy

Wolfgang Marik
Dpt. of Biomedical Imaging and Image-guided Therapy

Francesco Moscato
Center for Medical Physica and Biomedical Engineering

Karl Rössler*
Chairman

David Santer
Center for Biomedical Research and Translational Surgery

Wolfgang Serles
Department of Neurology, Meduni Vienna

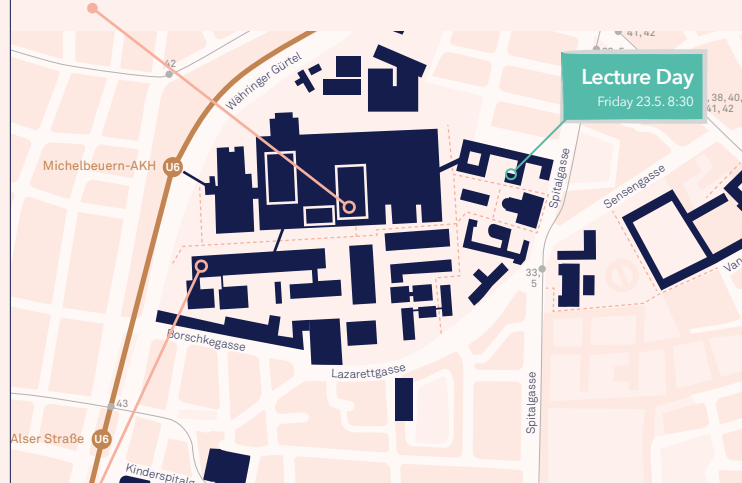
.Wei-Te Wang*
Workshop Secretary

* Dpt. of Neurosurgery, Medical University of Vienna

Endorsed by
THE EUROPEAN ASSOCIATION OF NEUROSURGICAL SOCIETIES

Please register at:
www.meduniwien.ac.at/microsurgery

Course Venue 19th-21st May 2025:
Medical University of Vienna/University Hospital Vienna
Department of Neurosurgery
Neurosurgical laboratory, Floor 8H
Waehringer Guertel 18-20, 1090 Vienna, Austria



Meeting Point 8.20 am, 22nd May 2025:
Medical University of Vienna/University Hospital Vienna
Department of Neurosurgery
Entrance, Floor 5
Waehringer Guertel 18-20, 1090 Vienna, Austria

With the kind support of



In cooperation with
CENTER FOR BIOMEDICAL RESEARCH AND TRANSLATIONAL SURGERY
MEDICAL UNIVERSITY OF VIENNA