



## 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

## 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**  
Nilsa Fischer

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 am  
**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**

6.00 pm  
**Networking Event - „Heuriger Evening“**

## Tuesday, 20th 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

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, Dorian Hirschmann

1.40 – 2.00pm  
**Lecture: Microsurgery of the Peripheral Nerves is**  
Tomas Menovsky

2.00 - 3.00pm  
**Hands-on: Nerve Coaptation**  
Instructor: Tomas Menovsky

3.00 – 4.30 pm  
**Hands-on: Nerve Coaptation**  
Instructor: Tomas Menovsky

4.30 pm  
**Adjourn**

## Save the date

20th - 21st May (5.00 - 7:30pm)  
Satellite Event: **Advanced Aneurysm Clipping Simulation and Training using exoscopes**

[www.meduniwien.ac.at/microsurgery](http://www.meduniwien.ac.at/microsurgery)

## 43<sup>rd</sup> 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](http://www.meduniwien.ac.at/microsurgery)

DEPARTMENT OF NEUROSURGERY



## Wednesday, 21st May

8.00 – 8.50 am

### Hands-on: Vein-Wall Patch Graft

Instructor: Vladimir Solomijchuk

8.50 – 9.50 am

### Hands-on: Advanced techniques

Instructor: Vladimir Solomijchuk

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, 22nd 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: Helga Bergmeister

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

### Pathophysiology of Cerebral Ischemia

Wolfgang Serles

8.55 - 9.15am

### Radiological Assessment of Cerebral Ischemia

Ammar Mallouhi

9.15 - 9.35am

### History of Cerebral Revascularization and Techniques of carotid thrombendarterectomy

Heber Ferraz Leite

9.35 - 9.55am

### Endovascular aspects of stroke

Jeroen Boogaarts / Nikolay Velinov

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

### Vessel Harvesting for Revascularisation Surgery

Thomas Haberb

11.20 - 11.40am

### Pre- and intraoperative Planning for cerebral revascularization

Philippe Dodier

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

1.25 - 2.00pm

### Discussion & Awarding of Certificates

Gerhard Bavinzski

## Lecture Day

Conference room  
level 8 ,neurosurgery

## International Faculty

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

Jeroen Boogaarts  
Neurosurgical Center Nijmegen  
Radboud University Medical Center, The Netherlands

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

Vladimir Solomijchuk  
Department of Neurosurgery  
Städtisches Klinikum Dresden, Germany

Nikolay Velinov  
Clinics of Neurosurgery, University Hospital Pirogov, Sofia,  
Bulgaria  
Director EANS Hands-on courses

## Organization and Local Faculty

Gerhard Bavinzski\*  
Workshop Director

Helga Bergmeister  
Center for Biomedical Research and Translational  
Surgery  
MedUni Vienna, Austria

Anna Cho\*

Philippe Dodier\*  
Workshop Secretary

Heber Ferraz-Leite  
Private Consultant Neurosurgeon  
Vienna, Austria  
Founder and Former Workshop Director

Nilsa Fischer\*

Dorian Hirschmann\*

Arthur Hosmann\*

Karl Rössler\*  
Chairman

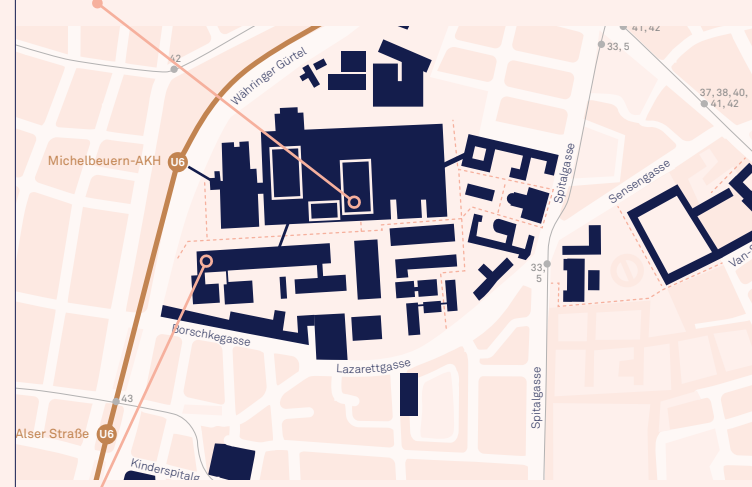
Wei-Te Wang\*  
Workshop Secretary

\* Department of Neurosurgery  
MedUni Vienna/UniversityHospital Vienna, Austria

Please register at:  
[www.meduniwien.ac.at/microsurgery](http://www.meduniwien.ac.at/microsurgery)

### Course Venue 19th May

Medical University of Vienna/University Hospital Vienna  
Department of Neurosurgery  
Neurosurgical laboratory, Floor 8H  
Wahringner Guertel 18-20, 1090 Vienna, Austria



### Meeting Point, 8.20am, 22nd May 2025

Medical University of Vienna/University Hospital Vienna  
Department of Neurosurgery  
Entrance, Floor 5  
Wahringner Guertel 18-20, 1090 Vienna, Austria

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