



# 41<sup>st</sup> European Workshop Basic Techniques of Microsurgery and Cerebral Revascularization

**25th – 28th May 2020**

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

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

DEPARTMENT OF NEUROSURGERY



MEDICAL UNIVERSITY  
OF VIENNA



Vienna  
General Hospital

Cover: Heber Ferraz-Leite

## Dear Colleagues!

It is a great pleasure to invite you to this training course on microsurgical techniques and cerebral revascularization.

The first part of the Workshop will give you the necessary skills to handle OP-microscope and microsurgical instruments. You will also learn how to perform different kinds of microsurgical anastomosis and nerve coaptations. Our program includes hands-on sessions and video instructions and will provide best conditions to develop microsurgical skills. Short presentations on related topics will support your practical work.

The second part focuses on cerebral revascularization and is designed to increase the skills of certified microsurgeons. Participants will be able to perform microsurgical arterial anastomoses (in vitro and in alive animals) and experimental microvascular models. They will have knowledge about cerebral ischemia and learn different techniques of extracranial arterial bypass (incl. ELANA). Surgical cerebral revascularization and aneurysms management is also part of this workshop.

We are looking forward welcoming you to Vienna and will make every effort to make this course a worthwhile experience for you.

Sincerely yours

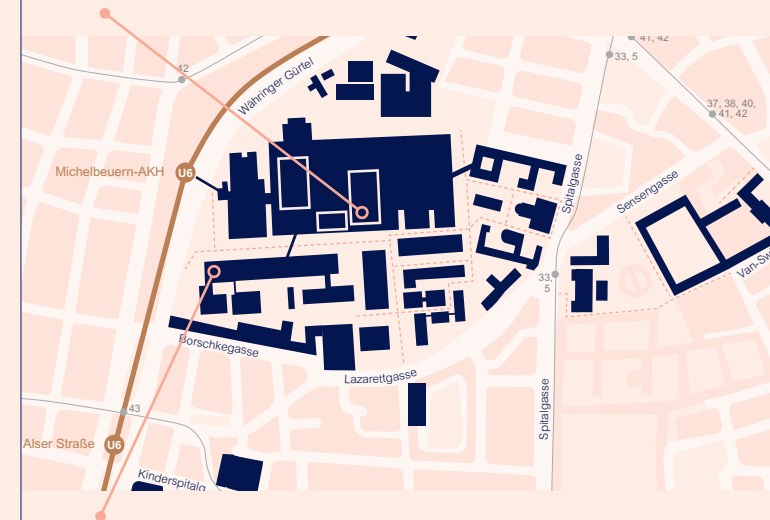
Gerhard Bavinzski  
Workshop director

Karl Rössler  
Chairman of the Department of Neurosurgery

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

### Course venue 25<sup>th</sup> – 27<sup>th</sup> May 2020:

Medical University of Vienna,  
Department of Neurosurgery  
Neurosurgical laboratory, Floor 8H  
Währinger Gürtel 18-20, 1090 Vienna, Austria



### Meeting Point 8.45 – 9.00 am, 28<sup>th</sup> May 2020:

Medical University of Vienna,  
Department of Neurosurgery  
Entrance, Floor 5  
Währinger Gürtel 18-20, 1090 Vienna, Austria

## International faculty

Alexandros Andreou  
Department of Neurosurgery and Interventional Neuro-  
radiology  
Hygeia Medical Center, Greece

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

Marco Cenzato  
Department of Neurosurgery  
Ospedale Maggiore Niguarda Ca' Granda, Italy

Gerrit Fischer  
Department of Neurosurgery  
Saarland University, Germany

Maximilian Krawagna  
Department of Neurosurgery  
Klinikum St. Elisabeth, Germany

Tomas Menovsky  
Department of Neurosurgery  
Medical University of Antwerp, Belgium

Volodymyr Solomiichuk  
Department of Neurosurgery  
Städtisches Klinikum Dresden, Germany

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

## Organization and local faculty

Karl Rössler  
Department of Neurosurgery  
Medical University of Vienna/Vienna General  
Hospital, Austria  
Chairman

Gerhard Bavinzski  
Department of Neurosurgery  
Medical University of Vienna/Vienna General  
Hospital, Austria  
Workshop Director

Helga Bergmeister  
Division of Biomedical Research  
Medical University of Vienna, Austria

Philippe Dodier  
Department of Neurosurgery  
Medical University of Vienna/Vienna General  
Hospital, Austria  
Workshop Secretary

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

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

Wei-Te Wang  
Department of Neurosurgery  
Medical University of Vienna/Vienna General  
Hospital, Austria  
Workshop Secretary

# Monday, 25<sup>th</sup> 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 – 9.45 am

## Lecture: Microsurgical Suture Techniques and Suture Material

Wei-Te Wang

9.45 – 10.20 am

## Hands-on: Performance of Running Sutures under the Microscope

Instructor: Heber Ferraz-Leite

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10.20 – 10.40 am

## Refreshment Break

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10.40 – 11.20 pm

## Hands-on: Performance of Interrupted Sutures under the Microscope

Instructor: Heber Ferraz-Leite

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11.20 am – 12.00 pm

## Hands-on: Performance of End-to-End Anastomosis on Artificial Vessels

Instructor: Philippe Dodier

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12.00 – 1.00 pm

## Lunch

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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 – 6.00 pm

## Adjourn

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6.00 pm

## Networking Event – „Heuriger Evening“

## Tuesday, 26<sup>th</sup> May

8.00 – 8.40 am

**Lecture: Revascularization in Cerebral Ischemia  
The Technique of the Standard STA-MCA Bypass**

Gerhard Bavinzski

8.40 – 9.40 am

**Hands-on: Performance of End-to-Side  
Anastomosis – Veins**

Instructor: Maximilian Krawagna

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9.40 – 10.00 am

**Refreshment Break**

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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

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12.00 – 1.00 pm

**Lunch**

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1.00 – 1.30 pm

**Lecture: Vessel Harvesting for Cerebral Bypass  
Surgery**

Thomas Haberl

1.30 – 2.00 pm

**Video Presentation: External Carotid Artery  
to MCA Bypass Using Saphenous-Vein-Grafts**

Philippe Dodier

2.00 – 2.45 pm

**Hands-on: Vein Graft of End-to-End  
Anastomosis**

Instructor: Lisa Wadiura

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2.45 – 3.00 pm

**Refreshment Break**

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3.00 – 4.00 pm

**Experimental Aneurysm Models**

Instructor: Wei-Te Wang

4.00

**Adjourn**

## Wednesday, 27<sup>th</sup> May

8.00 – 8.50 am

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

Instructor: Volodymyr Solomiichuk

8.50 – 9.50 am

**Hands-on: Tips & tricks and advanced techniques**

Instructor: Volodymyr Solomiichuk

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9.50 – 10.10 am

**Refreshment Break**

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10.10 – 10.40 am

**Lecture: Microsurgery of the Peripheral Nerves**

Tomas Menovsky

10.40 am – 11.00 pm

**Hands-on: Nerve Coaptation**

Instructor: Tomas Menovsky

11.00 am – 12.00 pm

**Hands-on: End-to-Side Anastomosis in the Depth**

Instructor: Gerhard Bavinzski

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12.00 – 1.00 pm

**Lunch**

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1.00 – 1.30 pm

**Lecture: Virtual Planning of EIAB Approach**

Philippe Dodier

1.30 – 2.00 pm

**Case Presentation and Discussion with the Faculty**

2.00 – 2.30 pm

**Case presentation: Side-to-Side**

**Anastomosis in the Depth**

Instructor: Alexandros Andreou

2.30 – 2.45 pm

**Refreshment Break**

2.45 – 4.00 pm

**Hands-on: Side-to-Side Anastomosis**

Instructor: Alexandros Andreou

4.00 – 6.00 pm

**Adjourn**

## Thursday, 28<sup>th</sup> May

8.45 – 9.00 am **Be on time!**

**Meeting Place: Department of Neurosurgery**

9.00 – 9.20 am

**Introduction to Experimental Microvascular Surgery**

Gerhard Bavinzski

9.20 am – 12.00 pm

**Hands-on: Performance of End-to-End**

**Arterial Anastomosis in Animals – CCA, Aorta,**

**Femoral Artery**

Instructors: Faculty

12.00 – 1.00 pm

**Lunch**

1.00 – 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 – 7.00 pm

**Adjourn**

7.00

**Networking Dinner for Course Participants and Members of the Faculty**

## Save the date

Friday, 29<sup>th</sup> May 2020, 8.30am - 6.00pm  
**Symposium on Hybrid Cerebrovascular  
Neurosurgery**

Medical University of Vienna

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