



41st European Workshop Basic Techniques of Microsurgery and Cerebral Revascularization

22nd – 25th May 2023

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

www.meduniwien.ac.at/microsurgery

DEPARTMENT OF NEUROSURGERY



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 end of the training course a symposium on hybrid cerebrovascular surgery and intervention will be held together with international experts on Friday and Saturday.

Sincerely yours,

Gerhard Bavinzski
Workshop Director

Karl Rössler
Workshop Chairman
Head of the Department of Neurosurgery

Monday, 22nd 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, 23rd 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
Lecture: Vessel Harvesting for Cerebral Bypass Surgery
tba (Dpt. of cardiac surgery)

1.20 – 1.40 pm
Video Presentation: External Carotid Artery to MCA Bypass Using Saphenous-Vein-Grafts
Philippe Dodier

1.40 – 2.45 pm
Hands-on: Vein Graft of End-to-End Anastomosis
Instructor: Arthur Hosmann, Dorian Hirschmann

2.45 – 3.00 pm
Refreshment Break

3.00 – 4.30 pm
Experimental Aneurysm Models
Instructor: Wei-Te Wang, Arthur Hosmann

4.30 pm
Adjourn

Wednesday, 24th 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 – 10.40 am
Lecture: Microsurgery of the Peripheral Nerves
Tomas Menovsky

10.40 – 11.00 am
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

12.00 – 1.00 pm
Lunch

1.00 – 1.15 pm
Lecture: Virtual Planning of EIAB Approach
Philippe Dodier

1.15 – 2.00 pm
Case Presentation and Discussion with the Faculty – contribute with your own cases

2.00 – 2.20 pm
Case presentation: Side-to-Side Anastomosis in the Deep
Instructor: Alexandros Andreou

2.20 – 2.35 pm
Refreshment Break

2.35 – 4.30 pm
Hands-on: Side-to-Side Anastomosis
Instructor: Alexandros Andreou

4.30 pm
Adjourn

Thursday, 25th 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

Save the date

26th – 27th May 2023
Symposium on Cerebrovascular Surgery and Intervention
Medical University of Vienna

www.meduniwien.ac.at/microsurgery

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

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

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

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*

Karl Rössler*
Chairman

Wei-Te Wang*
Workshop Secretary

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

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

Course Venue 22nd – 24th May 2023:

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



Meeting Point 8.20 am, 25th May 2023:

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

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