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 extraintracranial 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

www.meduniwien.ac.at/microsurgery

Course venue 25th – 27th May 2020:
Medical University of Vienna,
Department of Neurosurgery
Neurosurgical laboratory, Floor 8H
Waehringer Guertel 18–20, 1090 Vienna, Austria

Meeting Point 8.45 – 9.00 am, 28th May 2020:
Medical University of Vienna,
Department of Neurosurgery
Entrance, Floor 5
Waehringer Guertel 18-20, 1090 Vienna, Austria

With the kind support of:
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

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

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

Complete faculty: www.meduniwien.ac.at/microsurgery
Monday, 25th 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

10.40 – 11.20 pm
Hands-on: Performance of Interrupted Sutures under the Microscope
Instructor: Heber Ferraz-Leite

11.20 am – 12.00 pm
Hands-on: Performance of End-to-End Anastomosis on Artificial Vessels
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 – 6.00 pm
Adjourn

6.00 pm
Networking Event – „Heuriger Evening“
Tuesday, 26\textsuperscript{th} 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

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

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

2.45 – 3.00 pm
Refreshment Break

3.00 – 4.00 pm
Experimental Aneurysm Models
Instructor: Wei-Te Wang

4.00
Adjourn

Wednesday, 27\textsuperscript{th} 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

9.50 – 10.10 am
Refreshment Break

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

12.00 – 1.00 pm
Lunch
Thursday, 28th 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