



DEPARTMENT OF NEUROSURGERY  
MEDICAL UNIVERSITY OF VIENNA

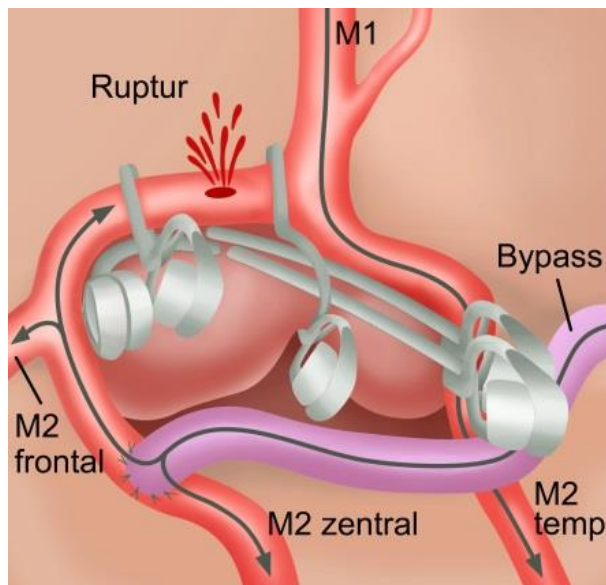
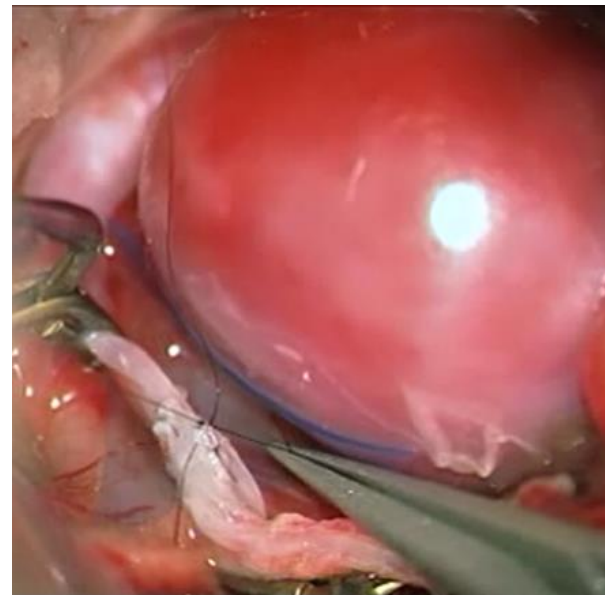
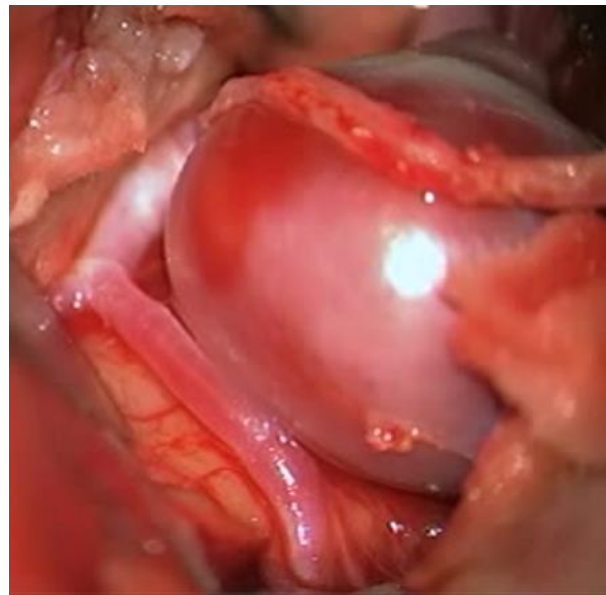
# Workshop Program

# THE EUROPEAN WORKSHOPS

## on Basic Techniques of Microsurgery and Cerebral Revascularization

Medical University of Vienna / Department of Neurosurgery

Chairman: Engelbert Knosp, MD



**40<sup>th</sup> Workshop on Basic Techniques of Microsurgery**  
**May 14<sup>th</sup> – 16<sup>th</sup>, 2018**

**40<sup>th</sup> Workshop on Cerebral Revascularization**  
**May 17<sup>th</sup> – 18<sup>th</sup>, 2018**

**Director: G. Bavinzski, MD**

Secretaries: W.-T. Wang, MD, Ph. Dodier, MD

Organizing Committee: A. Hosmann, MD, L. Wadiura, MD

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Registration:

A. Haindl



## 40<sup>th</sup> European Workshop on Basic Techniques of Microsurgery and Cerebral Revascularization, May 14<sup>th</sup> - 18<sup>th</sup>, 2018

### Monday - May 14<sup>th</sup>, 2018

- 08:45 Registration
- 09:00 Welcome and Introduction  
E. Knosp
- 09:05 Lecture: Use and Misuse of the Operating Microscope and Surgical Instruments  
G. Bavinzski
- 09:20 Lecture: Microsurgical Instruments and their Care  
N. Fischer
- 09:30 Hands-on: Performance of Running Sutures under the Microscope  
Instructor: W.-T. Wang
- 10:20 Refreshment Break
- 10:40 Hands-on: Performance of Interrupted Sutures under the Microscope  
Instructor: W.-T. Wang
- 11:20 Hands-on: Performance of End-to-End Anastomosis on Artificial Vascular Models  
Instructor: Ph. Dodier
- 12:00 Lunch
- 13:00 Hands-on: Performance of End-to-End Anastomosis (Arteries)  
Instructor: Ph. Dodier
- 14:00 Hands-on: Performance of End-to-End Anastomosis (Veins)  
Instructor: Ph. Dodier
- 15:00 Hands-on: Performance of End-to-Side Anastomosis (Arteries)  
Instructor: W.-T. Wang
- 16:00 Adjourn
- 18:00 "Heuriger Evening"

### Tuesday - May 15<sup>th</sup>, 2018

- 08:00 Lecture: Revascularization in Cerebral Ischemia  
The Technique of the Standard STA-MCA Bypass  
G. Bavinzski

- 08:40 Hands-on: Performance of End-to-Side Anastomosis (Veins)  
Instructor: M. Krawagna
- 09:40 Refreshment Break
- 10:00 Hands-on: Performance of End-to-Side Anastomosis (Arteries, different Angles)  
Instructor: M. Krawagna
- 11:00 Hands-on: Performance of End-to-Side Anastomosis (Veins, different Angles)  
Instructor: A. Hosmann
- 12:00 Lunch
- 13:00 Lecture: Vessel Harvesting  
Th. Haberl
- 13:20 Lecture: Virtual Planning of EIAB Approach  
Ph. Dodier
- 13:40 Hands-on: Vein Graft of End-to-End Anastomosis  
Instructor: L. Wadiura
- 14:40 Refreshment Break
- 15:00 Experimental Aneurysm Models  
Instructor: W.-T. Wang
- 16:00 Adjourn

### Wednesday - May 16<sup>th</sup>, 2018

- 08:00 Hands-on: Vein-Wall Patch Graft  
Instructor: V. Solomiichuk
- 09:00 Lecture: Microsurgery of the Peripheral Nerves  
T. Menovsky
- 09:30 Hands-on: Nerve Coaptation  
Instructor: T. Menovsky
- 10:00 Refreshment break
- 10:20 Hands-on: End-to-Side Anastomosis in the Depth  
Instructor: G. Bavinzski
- 11:20 Hands-on: Repetition of Hands-on  
Instructor: V. Solomiichuk
- 12:00 Lunch

- 13:00 Video Presentation: External Carotid Artery to MCA Bypass Using Saphenous-Vein-Grafts  
P. Dodier
- 13:30 Lecture: Bypass Surgery in the Management of Complex Brain Aneurysms  
M. Cenzato
- 13:50 Case Presentation and Discussion with the Faculty
- 14:10 Refreshment Break
- 14:30 Case presentation: Side-to-Side Anastomosis in the Deep  
Instructor: A. Andreou
- 15:00 Hands-on: Side-to-Side Anastomosis  
Instructor: A. Andreou
- 16:00 Adjourn

### Thursday - May 17<sup>th</sup>, 2018

- 08:45 Meeting Place: Department of Neurosurgery  
Be in time!
- 09:00 Welcome and Introduction  
E. Knosp
- 09:10 Introduction to Experimental Microvascular Surgery  
G. Bavinzski
- 09:20 Hands-on: Performance of End-to-End Arterial Anastomosis in Animals (CCA, Aorta, Femoral Artery)  
Instructors: Faculty
- 12:00 Lunch (on site)
- 13:00 Hands-on: Performance of End-to-Side Arterial Anastomosis in Animals (CCA)  
Instructors: Faculty
- 14:45 Refreshment Break
- 15:00 Hands-on: Small Caliber Vascular Replacement with Synthetic Grafts  
Instructors: H. Bergmeister
- 16:00 Adjourn
- 19:00 Special Dinner for Course Participants and Members of the Faculty

### Friday - May 18<sup>th</sup>, 2018

- 08:30 Welcome and Introduction  
G. Bavinzski
- 08:35 Lecture: Pathophysiology of Cerebral Ischemia  
W. Serles
- 08:50 Lecture: Radiological Assessment of Cerebral Ischemia  
A. Mallouhi
- 09:10 Lecture: The Value of Endovascular Revascularization in Acute Stroke  
J. Boogaarts
- 09:30 Lecture: History of Extra-Intracranial Bypass  
G. Bavinzski
- 09:45 Refreshment Break
- 10:00 Lecture: The Role of Bypass Surgery in the Endovascular Era of Brain Aneurysm Treatment  
G. Bavinzski
- 10:20 Lecture: Decision Making: Endovascular Coiling versus Surgical Clipping of Brain Aneurysms  
A. Andreou
- 10:45 Lecture: Minimal Invasive Bypass Techniques  
G. Fischer
- 11:00 The Excimer Laser Assisted Non-occlusive Anastomosis (ELANA) High-Flow-Bypass: Clinical Application and Results  
A. van der Zwan
- 11:45 Lunch
- 12:15 Demonstration: The ELANA Technique  
Instructors: A. van der Zwan / G. Bavinzski
- 15:00 Lecture: Surgical Management of Moya-Moya Disease  
A. Gruber
- 15:30 Evaluation of Work and Awarding of Certificates

## Faculty

**Engelbert Knosp, MD**

Chairman, Department of Neurosurgery  
Medical University of Vienna

**Gerhard Bavinzski, MD**

Department of Neurosurgery  
Senior Vascular and Endovascular Neurosurgeon  
Medical University of Vienna  
Workshop Director

**Alexandros Andreou, MD, PhD**

Director, Department of Neurosurgery and  
Interventional Neuroradiology  
Hygeia Medical Center, Athens, Greece

**Helga Bergmeister, MD, DVM**

Co-Director, Institute of Biomedical Research  
Medical University of Vienna

**Jeroen Boogaarts, MD, PhD**

Neurosurgical Center Nijmegen  
Radboud University Medical Center  
The Netherlands

**Marco Cenzato, MD, PhD**

Chairman, Department of Neurosurgery  
Ospedale Maggiore Niguarda Ca' Granda,  
Milan, Italy

**Philippe Dodier, MD**

Department of Neurosurgery  
Medical University of Vienna  
Workshop Secretary

**Heber Ferraz-Leite, MD**

Private Consultant Neurosurgeon  
Founder and Former Workshop Director  
Vienna, Austria

**Gerrit Fischer, MD**

Department of Neurosurgery  
Saarland University, Homburg, Germany

**Nilsa Fischer, OR Nurse**

Department of Neurosurgery  
Medical University of Vienna

**Andreas Gruber, MD**

Chairman, Department of Neurosurgery  
Johannes Kepler University Linz  
Former Workshop Director

**Thomas Haberl, MD**

Department of Cardiac Surgery  
Medical University of Vienna

**Arthur Hosmann, MD**

Department of Neurosurgery  
Medical University of Vienna

**Maximilian Krawagna, MD**

Department of Neurosurgery  
Klinikum St. Elisabeth  
Straubing, Germany

**Ammar Mallouhi, MD**

Department of Radiology  
Medical University of Vienna

**Tomas Menovsky, MD, PhD**

Chairman, Department of Neurosurgery  
Medical University of Antwerp, Belgium

**Wolfgang Serles, MD**

Department of Neurology  
Medical University of Vienna

**Volodymyr Solomiichuk, MD**

Department of Neurosurgery  
University of Göttingen, Germany

**Lisa Wadiura, MD**

Department of Neurosurgery  
Medical University of Vienna

**Wei-Te Wang, MD**

Department of Neurosurgery  
Medical University of Vienna  
Workshop Secretary

**Albert van der Zwan, MD, PhD**

Department of Neurology and Neurosurgery  
University Medical Center, Utrecht,  
The Netherlands