



G. Bavinski, MD



A. Gruber, MD

Dear Colleagues,

it is a great pleasure to invite you to these European training courses on microsurgical techniques and cerebral revascularization.

The Workshop on Basic Techniques will give you the necessary skills to handle OP-microscope and microsurgical instruments. You will also learn to perform different kinds of microsurgical anastomosis and nerve coaptations.

Our program including hands-on sessions and video instructions will provide you with the best conditions to develop microsurgical skills. Short presentations on related topics will support your practical work.

The Workshop on Cerebral Revascularization is designed to increase the skills of already trained microsurgions. Permanent development of microvascular surgery and endovascular technologies has increased the need for revascularization procedures.

After this workshop you will be able to perform microsurgical arterial anastomoses (in vitro and in alive animals) and experimental microvascular models. You 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 to welcome you to Vienna and will make every effort to make this course a worthwhile experience for you.

Sincerely yours,

Gerhard Bavinski MD  
Workshop Director

Andreas Gruber, MD  
Workshop Co-Director

### Registration and tuition fees

Registration through Aesculap Akademie Österreich:  
Mrs. Alice Haindl | Tel: +43-676-88541116 | Fax: +43-2236-46541177  
alice.haindl@aesculap-akademie.at | www.aesculap-akademie.at  
Registration is limited. Early enrollment is encouraged.  
You can also register online on [www.aesculap-akademie.at](http://www.aesculap-akademie.at)

### Tuition fee and registration for "The European Workshop on Basic Techniques of Microsurgery"

Physician Fee..... EUR 650  
Resident Fee..... EUR 550 (Letter of verification is required)

### Tuition fee and registration for "The European Workshop on Cerebral Revascularization"

Physician Fee..... EUR 700  
Resident Fee..... EUR 600 (Letter of verification is required)

### Tuition fee and registration for both Workshops (Basic Techniques and Cerebral Revascularization)

Physician Fee..... EUR 1.200  
Resident Fee..... EUR 1.050 (Letter of verification is required)

Members of EANS get 10 % off the stated fees. Please mention your membership number

Registration cannot be processed until full payment is received.

### Cancellation policy

Cancellations received two months before the workshop will be refunded in full; those received after that date are subject to a EUR 80,- administrative fee. No refunds will be issued for cancellations received one month or less before the workshop.

### Workshop location

Medical University Vienna, Department of Neurosurgery  
Währinger Gürtel 18 - 20, 1090 Vienna  
(Subway station U6: Michelbeuern - Allgemeines Krankenhaus)

### Workshop Language

The official language of the workshops is English.

An application has been made to the European Accreditation Council for Continuing Medical Education [EACCME] for CME accreditation of this event.

### Supporting Companies



Dear Colleagues,

I am glad to invite you to the next European Workshops on Basic Techniques of Microsurgery and on Cerebral Revascularization.

The Neurosurgical Department of the Medical University of Vienna has had an important role in the development of microsurgery. Since 1979 our clinic is offering laboratory training opportunities on basic and advanced microsurgical work for young surgeons. Colleagues of different specialties from all over the world have developed their surgical skills with great enthusiasm in our laboratories at the General Hospital of Vienna.

The overwhelming interest in our workshops and the further organization of such courses by some of our trainees confirm the overall need of such teaching programs. It is my purpose to continue supporting these courses and offer them to our European colleagues.

The development of better OP-microscopes and microsurgical instruments as the required surgical skills has been an important base for the increasing progresses in modern surgery. The technical developments of neuronavigation, neuroendoscopy, etc. are big steps forward but will not decrease the need of microsurgical experience.

I am sure that these days, having gone through these carefully structured training programs will motivate you to excel in microsurgical work and all of us for an exchange of views and experiences.

Moreover lectures by distinguished invited specialists will update us with the possibilities of microsurgery in their relevant areas of interest.

In addition to what promises to be an exciting learning experience the social program will complement our efforts to let you enjoy the hospitality of Vienna and its cultural possibilities.

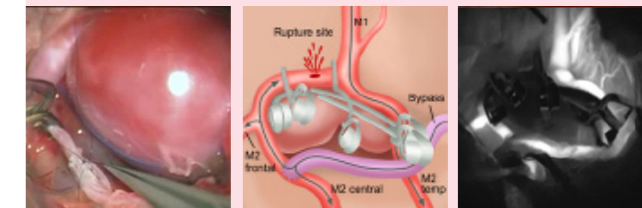
Looking forward to meeting you,

Engelbert Knosp, MD  
Chairman of the Department of Neurosurgery  
Medical University of Vienna



Please visit our homepage for more information: [www.microsurgery.at](http://www.microsurgery.at)

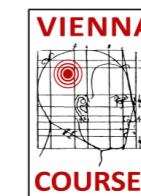
### Save the Date



## The 38<sup>th</sup> European Workshops on Basic Techniques of Microsurgery and Cerebral Revascularization

38<sup>th</sup> Workshop on Basic Techniques of Microsurgery  
October 31<sup>st</sup> - November 2<sup>nd</sup>, 2016 | Vienna

38<sup>th</sup> Workshop on Cerebral Revascularization  
November 3<sup>rd</sup> - 5<sup>th</sup>, 2016 | Vienna



VIENNA NEUROSURGICAL SKILLS TRAINING CENTER



Program: Workshop on Basic Techniques of Microsurgery

**Monday, October 31<sup>st</sup>, 2016**

08:45	Registration
09:00	Welcome and Introduction <i>E. Knosp</i>
09:10	Lecture: Use & Misuse of OP-Microscope and Instruments <i>G. Bavinzski</i>
09:25	Lecture: Microsurgical Instruments and their Care <i>N. Fischer</i>
09:40	Hands-on: Running Sutures under Microscope <i>W.-T. Wang</i>
10:30	<i>Refreshment Break</i>
10:50	Lecture: Optimal Suture Materials for Microvasc. Anastomosis <i>T.B.A. (Ethicon)</i>
11:10	Hands-on: Interrupted Sutures under Microscope <i>A. Hosmann</i>
12:00	<i>Lunch</i>
13:00	Hands-on: End-to-End Anastomosis (Arteries) <i>H.Ferraz-Leiter</i>
14:30	<i>Refreshment Break</i>
14:40	Hands-on: End-to-End Anastomosis (Veins) <i>M. Krawagna</i>
16:00	Evaluation of Work
18:30	« <i>Heuriger Evening</i> »

**Tuesday, November 1<sup>st</sup>, 2016**

08:00	Lecture: Revascularization in Cerebral Ischemia Techniques of Standard STA-MCA Bypass <i>G. Bavinzski</i>
09:30	<i>Refreshment Break</i>
09:40	Hands-on: End-to-Side Anastomosis (Arteries) <i>H. Ferraz-Leite</i>
10:40	Hands-on: End-to-Side Anastomosis (Veins) <i>L. Wadirua</i>
12:00	<i>Lunch</i>
13:00	Hands-on: End-to-Side Anastomosis (Arteries, different Angles) <i>M. Krawagna</i>
14:30	<i>Refreshment Break</i>

14:40	Hands-on: End-to-Side Anastomosis (Veins, different Angles) <i>J. Herta</i>
16:00	<i>Adjourn</i>

**Wednesday, November 2<sup>nd</sup>, 2016**

08:00	Video Presentation: External Carotid Artery to MCA Bypass Using Saphenous-Vein-Grafts <i>P. Dodier</i>
08:30	Hands-on: Vein Graft of End-to-End Anastomosis and Vein- Wall Patch Graft <i>V. Solomiichuk</i>
09:45	<i>Refreshment Break</i>
10:00	Experimental Aneurysm Models <i>W.-T. Wang</i>
11:20	Lecture: Microsurgery of the Peripheral Nerves <i>T. Menovsky</i>
11:40	Hands-on: Nerve Coaptation <i>T. Menovsky</i>
12:00	<i>Lunch</i>
13:00	Case presentation: Side-to-Side Anastomosis in the Deep <i>A. Andreou</i>
13:30	Hands-on: Side-to-Side Anastomosis <i>A. Andreou</i>
14:30	Hands-on: End-to-Side Anastomosis in the Depth <i>G. Bavinzski</i>
15:30	<i>Evaluation of Work and Awarding of Certificates</i>

Program: Workshop on Cerebral Revascularization

**Thursday, November 3<sup>rd</sup>, 2016**

08:45	Meeting Place: Department of Neurosurgery – Be in Time!
09:00	Welcome and Introduction <i>E. Knosp, H. Bergmeister</i>
09:10	Introduction to Experimental Microvascular Surgery <i>G. Bavinzski</i>
09:20	Hands-on: Performance of End-to-End Arterial Anasto- mosis in Animals (CCA, Aorta, Femoral Artery) <i>Faculty</i>
12:00	<i>Lunch (on site)</i>

13:00	Hands-on: End-to-Side Arterial Anastomosis (Animals CCA) <i>Faculty</i>
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14:45 *Refreshment Break*

15:00	Hands-on: Small Caliber Vascular Replacement with Synthetic Grafts <i>H. Bergmeister</i>
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16:00 *Adjourn*

**Friday, November 4<sup>th</sup>, 2016**

09:00	Welcome and Introduction
09:10	Lecture: Pathophysiology of Cerebral Ischemia <i>W. Serles</i>
09:30	Lecture: Radiological Assessment of Cerebral Ischemia <i>A. Mallouhi</i>
10:00	Lecture: Value of Endovasc. Revascularization in Acute Stroke <i>T.B.A.</i>
10:30	<i>Refreshment Break</i>
10:50	Lecture: Vessel Harvesting <i>Th. Haberb</i>
11:10	Lecture: Extra-Intracranial Bypass: History, Technique, Current Indications <i>H. Ferraz-Leite</i>
11:30	Lecture: The Role of Bypass Surgery in Endovascular Era of Brain Aneurysm Treatment <i>G. Bavinzski</i>
11:50	Lecture: Decision Making-Endovascular Coiling vs. Surgical Clipping of Brain Aneurysms <i>A. Andreou</i>
12:10	<i>Lunch and Guided Tour: Narrenturm – «Fool's Tower» Pathologic – Anatomical Museum Vienna</i>
14:00	Lecture: Surgical Management of Moya-Moya Disease <i>A. Gruber</i>
14:30	Excimer Laser Assisted Non-occlusive Anastomosis (ELANA) High-Flow-Bypass: Clin. Application & Results <i>A. van der Zwan/T. van Doormaal</i>
15:00	Lecture: Minimal Invasive Bypass Techniques <i>G. Fischer</i>
15:20	Lecture: Virtual Planning of EIAB Approach <i>Ph. Dodier</i>
15:35	Discussion with Faculty and Adjourn (approx. 16:00)
19:00	<i>Special Dinner for Participants and Faculty</i>

**Saturday, November 4<sup>th</sup>, 2016**

09:00	Demonstration: The ELANA Technique <i>A. van der Zwan/T. van Doormaal</i>
11:00	<i>Refreshment Break</i>
11:15	Hands-on-Repetition: End-to-End / End-to-Side Anastomosis <i>Faculty</i>
12:30	<i>Evaluation of Work and Awarding of Certificates</i>

Members of Faculty

- Engelbert Knosp, MD**  
Chairman of Department of Neurosurgery, Medical University Vienna
- Andreas Gruber, MD**  
Dept. of Neurosurgery, Medical University Vienna, Workshop Co-Director
- Gerhard Bavinzski, MD**  
Dept. of Neurosurgery, Medical University Vienna, Workshop Director
- Helga Bergmeister, MD, DVM**  
Institute of Biomedical Research, Medical University Vienna
- Alexandros Andreou, MD, PhD**  
Director Dept. of Neurosurgery & Interventional Neuroradiology, Hygeia  
Medical Center, Athens, Greece
- Theodorus (Tristan) van Doormaal, MD, PhD**  
Dept. of Neurology & Neurosurgery University Medical Center, Utrecht, NL
- Heber Ferraz-Leite, MD**  
Former Workshop Director, Vienna, Austria
- Gerrit Fischer, MD**  
Dept. of Neurosurgery, Saarland University, Homburg, Germany
- Arthur Hosmann, MD**  
Dept. of Neurosurgery, Medical University Vienna
- Maximilian Krawagna, MD**  
Dept. of Neurosurgery, Klinikum St. Elisabeth, Straubing, Germany
- Ammar Mallouhi, MD**  
Dept. of Radiology, Medical University Vienna
- Tomas Menovsky, MD, PhD**  
Vice-Chairman Dept. of Neurosurgery Medical University Antwerp, Belgium
- Volodymyr Solomiichuk, MD**  
Dept. of Neurosurgery, University Göttingen, Germany
- Albert van der Zwan, MD, PhD**  
Dept. of Neurology & Neurosurgery University Medical Center, Utrecht, NL
- Please visit our homepage for full list of member of faculty  
Subject to changes and printing errors*