Dear Colleagues,

It is a great pleasure to invite you to these trainings 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 microsurgeons. 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 vivo 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 aneurysm surgery is also part of this workshop.

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

Unique Features of the 2013 Vienna Microsurgery and Revascularization Courses:
- Honoured guests:
  - Yong-Kwang Tu, WFNS President-elect
  - C.A.F. Tulleken, ELANA
  - Luca Regli, Vice-President of the Neurovascular Section of EANS
  - Live Bypass Surgery
  - Animal Lab Training
  - Hands-on ELANA Training
  - Symposium “Cerebral Revascularization”

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

Sincerely,

Andreas Gruber, MD & Gerhard Bavinkzsi, MD
Workshop Directors

Registration and tuition fees
Please visit our homepage for more information: www.microsurgery.at

Registration through Aesculap Akademie Austria:
Mag. Alice Haindl
Tel: +43 676-8854116
Fax: +43 2236-46541 177
alice.haindl@aesculap-akademie.at
www.aesculap-akademie.at

Registration is limited. Early enrollment is encouraged.

Tuition fee and registration for "The European Workshop on Basic Techniques of Microsurgery"
Physician Fee……. EUR 600
Resident Fee…….. EUR 500 (Letter of verification is required)

Tuition fee and registration for "The Workshop on Cerebral Revascularization"
Physician Fee……. EUR 650
Resident Fee…….. EUR 600 (Letter of verification is required)

Tuition fee and registration for both Workshops (Basic Techniques and Cerebral Revascularization)
Physician Fee……. EUR 1.150
Resident Fee…….. EUR 1.000 (Letter of verification is required)

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

Dear Colleagues:

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

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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 neuro-navigation, neuro-endoscopy, 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

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 enthusiastically developed surgical skills in our laboratories.

The workshops are supported by a large number of companies that provide educational materials and equipment. The companies also sponsor these courses and offer them to our European colleagues.

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Preliminary Program of
The European Workshops on Basic
Techniques of Microsurgery

Monday
09:00 Welcome and Introduction
E. Knosp
09:10 Lecture: Use and Misuse of the Operating Microscope and Surgical Instruments
H. Ferraz-Leite
09:30 Hands-on: Running Sutures under the Microscope
Instructor: W.-T. Wang
10:30 Refreshment break
10:50 Hands-on: Performance of Interrupted Sutures under the Microscope
Instructor: M. Millesi
12:00 Lunch
13:00 Hands-on: Performance of End-to-End Anastomosis (Arteries)
Instructor: P. Dodier
14:30 Hands-on: Performance of End-to-End Anastomosis (Veins)
Instructor: P. Dodier
18:30 "Heuriger Evening"

Tuesday - Live Operation
Video live transmission of STA-MCA end-to-side anastomosis
08:00 Lecture: Optimal Suture Materials for Microvascular Anastomosis
S. Zitz / S. Wissing (Ethicon)
08:20 Lecture: Microsurgical Instruments and their Care
N. Fischer
Refreshment Break
08:40 Video live transmission of STA-MCA end-to-side anastomosis
from the endoscopic operative room
A. Gruber
Lunch on site
14:00 Hands-on: Performance of End-to-Side Anastomosis (Arteries)
Instructor: M. Krawagna
15:00 Hands-on: Performance of End-to-Side Anastomosis (Different Angels)
Instructor: J. Herta
16:00 Adjourn

Wednesday
08:00 Hands-on: Performance of End-to-Side Anastomosis in the Depth
Instructor: A. Gruber
09:30 Refreshment Break
09:40 Lecture: Microsurgery of the Peripheral Nerves
T. Menovsky
10:00 Hands-on: Nerve Coaptation
Instructor: T. Menovsky
11:00 Hands-on: Side-to-Side Anastomosis
Instructor: T. Menovsky
12:00 Lunch
13:00 Hands-on: Vein-Wall Patch
Instructor: V. Solomnikh
14:00 Vein Graft of End-to-End Anastomosis and Experimental Anomryum Models
Instructor: W.-T. Wang
14:30 Refreshment break
14:45 Cadaver Demonstration of EIAA Techniques: STA-MCA & Posterior Circulation
A. Gruber
15:30 Evaluation of Work
Awarding of Certificates

Preliminary Program of
The European Workshops on Cerebral Revascularization

Thursday - Animal Lab
08:45 Meeting Point (in time!)
Department of Neurosurgery (Entrance)
09:00 Welcome and Introduction
E. Knosp, H. Bergmeister
09:10 Lecture: The Concept of Cerebral Revascularization
A. Gruber
09:20 Hands-on: Performance of End-to-End Arterial anastomosis in animals
(CCA, Aorta, Femoral Artery)
Instructors: Faculty
12:00 Lunch on site
12:30 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 Graphe
Instructions: H. Bergmeister
16:00 Adjourn

Friday - Symposium: "Cerebral Revascularization"

09:00 Welcome and Introduction
A. Gruber and E. Knosp
09:15 Lecture: Pathophysiology of Cerebral Ischemia
W. Lang
09:45 Lecture: Radiological Assessment of Cerebral Ischemia
C. Nasel
10:15 Lecture: Cerebral Revascularization
J. Regli
11:00 Refreshment Break
11:15 Lecture: Strategies for Treating Complex or Giant Intracranial Aneurysms
V.-K. Tu
12:00 Lecture: ELANA and Beyond
C. A. F. Tulene
12:45 Lecture: Skull Base Approaches in Neurovascular Surgery
E. Knosp
13:15 Lunch
14:00 Lecture: Multidisciplinary Management of Cerebral Aneurysms
A. Gruber
14:30 Lecture: The Role of Bypass Surgery in the Endovascular Era of Brain Aneurysm Treatment
G. Fischer
15:00 Lecture: Surgical Management of Moyamoya Disease
A. Gruber
15:30 Lecture: Endovascular Cerebral Repermeation
J. Fiehler
16:15 Lecture: Minimal Invasive Bypass Techniques
G. Fischer
16:30 Adjourn
19:00 Special Dinner for Course Participants and Members of the Faculty

Saturday - ELANA
08:30 Hands-on: ELANA Technique
Instructor: L. Regli and C. A. F. Tulene
Refreshment Break
12:30 Evaluation of Work and Awarding of Certificates

Member of Faculty
Engelbert Knosp, MD
Chairman of the Department of Neurosurgery
Medical University of Vienna
Andreas Gruber, MD
Department of Neurosurgery, Medical University of Vienna
Workshop Director
Gerhard Bavinzski, MD
Department of Neurosurgery, Medical University of Vienna
Workshop Co-Director
Heber Ferraz-Leite, MD
Department of Neurosurgery, Medical University of Vienna
Former Workshop Director
Helga Bergmeister, MD, DVM
Institute of Biomedical Research, Medical University of Vienna
Jens Fiehler, MD, PhD
Executive Board Member for ESMINT
Chairman of the Department of Diagnostic & Interventional Neuroradiology
University Medical Center Hamburg-Eppendorf, Germany
Gerrit Fischer, MD
Department of Neurosurgery
Saarland University, Homburg, Germany
Wilfried Lang, MD
Chairman of the Department of Neurology
Hospital of St. John of God, Vienna, Austria
Christian Nasel, MD
Chairman of the Department of Radiology
Landeskrankenhaus Donsarregion Tullin, Austria
Tomas Menovsky, MD, PhD
Neurovascular Department
Medical University of Antwerp, Belgium
Luca Regli, MD, PhD
Vice-President of the Neurovascular Section of the EANS
Chairman of the Department of Neurosurgery
University Hospital Zurich, Switzerland
Yong-Kwang Tu, MD, PhD
President-elect of the World Federation of Neurosurgical Societies
Professor and Chairman of the Department of Neurosurgery
National Taiwan University Hospital, Taipei, Taiwan
C.A.F. Tulene, MD, PhD
ELANA, Utrecht, the Netherlands

Visit our homepage for the full list of member of faculty