REGISTRATION FORM

Dr./Prof. Family name:

.....

First name: .....

Professional or private address:

.....

Zip code: .....

City: .....

Country: .....

Phone: .....

Fax: .....

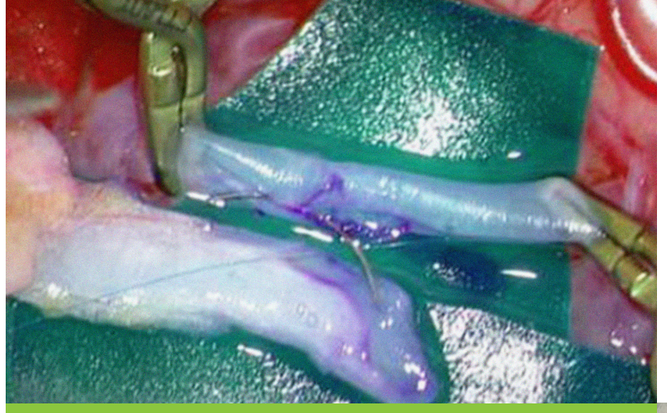
E-mail: .....

The tuition fee and registration amounts to Euro 950,00. You will receive an invoice after registration. Tuition fee includes the following:

1. Course materials including Anastomosis Training Kit®
2. Microscope, suture, micro-instruments
3. Hands-on workshop with live animals
4. Gloves, syringes and needles, sterile fluids
5. Surgical gowns
6. IT-Equipment and auditorium facilities
7. Refreshment breaks and lunch
8. Dinner on Friday
9. Certificate

Location:
Christian Doppler Medical Center
Research Laboratory for Micro-surgical Neuroanatomy (Haus 15)
Ignaz-Harrer-Straße 79
5020 Salzburg

Für das Diplom-Fortbildungs-Programm der Österreichischen Ärztekammer wurden 36 DFP-Punkte beantragt.



Please send the registration form to:

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SALK

Gemeinnützige Salzburger Landeskliniken Betriebsgesellschaft mbH
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UNIVERSITY HOSPITAL
UNIKLINIKUM SALZBURG
CHRISTIAN-DOPPLER-KLINIK

DEPARTMENT OF NEUROSURGERY

12TH SALZBURG HANDS-ON WORKSHOP

ON MICROSURGICAL AND ENDOVASCULAR TECHNIQUES, WITH LIVE ANIMALS

Christian Doppler Medical Center,
Research Laboratory for Microsurgical Neuroanatomy

Course Director: Rahman A. Al-Schameri, MD, FEBNI

Course Secretary: S. Thakur, MD

Chairman: Christoph J. Griessenauer, MD, FAANS, FACS, FEBNI

PARACELSUS MEDICAL UNIVERSITY

GOALS & CONCEPT

12TH SALZBURG HANDS-ON WORKSHOP

ON MICROSURGICAL AND ENDOVASCULAR TECHNIQUES WITH LIVE ANIMALS

MARCH 20TH TO MARCH 23RD 2024

COMPLEX CEREBRAL ANEURYSMS

- HOW TO MAKE DECISION
- HOW TO CLIP COIL/STENT
- HOW TO AVOID COMPLICATIONS

TOPICS

Basics

- Basics of microsurgical techniques
- Basics of endovascular techniques – Aneurysms/Stroke
- Basics of cerebral revascularization
- Surgical revascularization - bypass
- Endovascular revascularization - Stroke
- Hands-on technique on live animals
- Nerve coaptation

Lectures & update

- Neurosurgical/endovascular management of cerebral aneurysms
- Neurosurgical/endovascular manage-ment of acute and chronic stroke
- Management of giant aneurysms
- Intra-extracranial stenosis, stent & carotid endarterectomy
- Complications avoidance

Educational Objectives

- Overview about diagnostic and therapeutically options in CVD
- Improvement of microsurgical skills
- Principle and philosophy of endo-vascular surgery – case discussion
- Risk assessment
- Establishment of a M&M conference

WELCOME

Modern microneurosurgery should enable the neurosurgeon to work seamlessly and effortlessly through the operating microscope. To accomplish this, it is essential to participate in adequate laboratory animal training. The first step in microsurgery is to acquire skill and proficiency in the handling of the operating microscope. This includes the understanding of basic optical and mechanical construction of the microscope as well as its principles as applied to neurosurgical procedures. Preparation, practice, and proficiency with microsurgical instruments are also indispensable for developing the skills for precise manipulation of magnified tissue structures. Additionally, the increasing demand for endovascular technique for the treatment of cerebrovascular diseases necessitate the neurosurgeons to not only be educated in the open surgical arena, but also in endovascular surgery. This also assures procedural safety and allows the practitioner to choose the ideal technique and treatment for the patient without any bias. The ultimate success in clinical microsurgery depends on the acquisition and application of these special skills. For that very reason the Research Laboratory for Microsurgical Neuroanatomy at the Department of Neurosurgery has been established at the Christian Doppler Medical Center, Paracelsus Medical University Salzburg. We invite you to join our 12th Salzburg Hands-on Workshop on Microsurgical and Endovascular Techniques for Cerebral Revascularization and we are looking forward to spending very interesting and stimulating days in Salzburg with you.

Christoph J. Griessenauer, MD, FAANS, FACS, FEBNI
Professor and
Chairman

Rahman Al-Schameri, MD, PhD, FEBNI
Senior Consultant and
Course Director

FACULTY

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Chairman of the Department of Plastic Surgery,
Barmherzige Brüder, Salzburg

PROGRAM

Wednesday, 20th of March 2024
07:30 Registration
08:00 Start

Welcome:
- Griessenauer & Al-Schameri
- Endovascular Neurosurgery in Europe, obstacles and hope (Richling)
- Goals and strategy of the Microsurgical & Endovascular Course (Al-Schameri)

Microsurgery Hands-on Part I
with Silicone model (Biomet) (Faculty)

Hands-on:
- Running and interrupted sutures

Hands-on:
- End-to-end and end-to-side anastomosis

Lunch

Hands-on:
- End-to-end and end-to-side anastomosis with different size silicone models

Hands-on:
- End to side anastomosis 90°

Surgical anatomy & technique (Al-Schameri)
- Collateral circulation: Indication for bypass surgery
- Surgical anatomy of the STA/MCA and different skin incisions
- The steps of STA-MCA bypass technique

Case discussions

18:00 End

Thursday, 21st of March 2024
Microsurgery Hands-on Part II with biological material
07:30 Start

Hands-on:
- Arterial end-to-end and end-to-side anastomosis

Hands-on:
- End-to-side with venous interponate anastomosis
- Clinical applications of end-to-side anastomosis with venous graft

Nerve Coaptation (Schubert)
- End-to-end nerve anastomosis

Hands-on:
- End-to-side anastomosis in the depth
- Clinical applications of end-to-side anastomosis in the depth, STA-SCA

Stroke:
- Stroke up-date (Al-Schameri)
- Endovascular therapy of acute and chronic Stroke (Lunzer)

Webinar (14:00): EC-IC Bypass in Moya Moya: Indications and techniques (Burkhardt)
Surgical anatomy & clinical application (Capilla)
- Anterolateral brainstem and related approaches
- IC-IC Bypass: Petrous Carotid Artery to MCA from Lab to OR

Refreshment break and the facility of endovascular simulation flow model
Webinar (17:00): Complex cerebral Bypass (Russin)
Controversial (Al-Schameri)
- Wide neck cerebral aneurysm, still a surgical indication?
- Management of intraoperative aneurysm rupture

Case discussions: Participants

18:00 End

Friday, 22nd of Mach 2024
Microsurgery Hands-on Part III with live animals, Faculty
07:00 Preparation of animals

Introduction: Experimental aneurysm, rabbit model
Hands-on: Live animals: Three-Four exercises
- Microsurgical exposure of both carotid arteries
- End-to-end anastomosis
- End-to-side anastomosis
- Separation of the abdominal artery from the vein

Lunch in the Lab
Pathophysiology: Chronic cerebral ischemia (Sherif)
Refreshment break and demonstration of stroke flow model
Case discussions:
- Giant aneurysms, acute stent (FD) (Pangratz)
- Aneurysm treatment (Thakur)

18:00 End
19:30 Course Dinner

Saturday, 23rd of April 2024, Theoretical & Clinical Part
08:00 Start

Keynote
- Aneurysms endovascular treatment: doing what is necessary vs. what is possible (Baltsavias)
- Multimodal aneurysms treatment from the perspective of the hybrid neurosurgeon (Griessenauer)
- Structural injury following clipping (Al-Schameri)
- Un-ruptured aneurysm: Treatment Pros versus Cons (Al-Schameri)

Carotid artery, technical note
- Carotid artery stenosis, open surgery, update (Linni)
- Carotid artery stenosis. CAS alternative option (Al-Schameri)
- Complications (aneurysms, bypass) (Al-Schameri)

Case discussions

14:00 End