

DEPARTMENT OF NEUROSURGERY



MEDICAL UNIVERSITY
OF VIENNA



Vienna Healthcare Group
University Hospital Vienna

SAVE THE DATE and REGISTER!

Epilepsy Surgery Brain Dissection

Course & Lectures

22.-24. August 2024



IESS
International Epilepsy
Surgery Society

**Vienna General Hospital
Medical University of Vienna**



Course directors:

Karl Rössler, M.D.

Christian Dorfer, M.D.

Local Organisation:

Lisa Gäcklein

Fabian Winter, M.D.

Julia Shawarba, M.D.



Course Description:

The three full day course is divided into **morning lectures** and **afternoon dissection sessions** on brain specimen in the laboratory.

Our international faculty and local experts in functional neurosurgery will give basic and advanced lectures on all topics of epilepsy surgery and advise on the dissection of brain specimen using microscope, CUSA and micro instruments.

Course Objectives:

The application of various epilepsy surgery techniques requires a deep understanding of **surgical anatomy**, especially for **subpial dissection** and **disconnection procedures** as well as for **ablation of deep lesions** and **MRI-negative epileptogenic zones**.



Participants will be advised in all standard neurosurgical techniques for epilepsy surgery, like resection of epilepsy related lesions, disconnections- lobes and hemispheres, depth electrode planning and implantation using frameless articulated arms and robotic systems, ablations of deep lesions using LITT and planning and implantation of deep brain stimulation in epilepsy

Target Audience:

The course is primarily aimed at **5th and 6th year neurosurgery residents** who have already decided to specialize in functional neurosurgery, as well as young **board certified neurosurgeons** who have started a program in functional neurosurgery in recent years.



Course registration and fees:

Applications should include a short CV and a brief description of current clinical practice and experience in the field of epilepsy surgery.

Please send your application to:

lisa.gaecklein@meduniwien.ac.at & cc: karl.roessler@meduniwien.ac.at

Application deadline: 01.05.2024

Selected participants will be informed no later than the end of the application deadline, and will receive all further instructions regarding payment and full registration.

Number of participants: 20

Twenty participants will be admitted, who can share 10 dissection units in pairs, each with a microscope and a brain.

Registration fee: € 650

This fee includes **lunch** and **beverages** during the course and **3 networking events** as well as a **two-day hotel stay**, in a medium class location within walking distance to the course location. The registration fee does not include airfare and other travel costs.

Do not hesitate to contact us for further information!





Course schedule and content Preliminary Program

Thursday, 22nd August 2024

7:30 -8:30 **Registration**

8:30 **Welcome & Course Presentation, K. Rössler**

9:00 -11:30 **Lectures 1 & Discussion**

- Principles in epilepsy diagnosis & treatment
- Structural and functional neuroimaging for epilepsy
- Histopathological Findings in Brain Tissue Obtained from Epilepsy Surgery

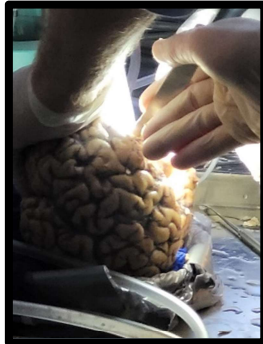
10:00-10:30 **Coffee Break**

- Principles in epilepsy surgery
- Epilepsy surgery of the temporal lobe
- Minimal invasive techniques in epilepsy surgery

11:30-12:30 **Lunch at the AKH Mensa**

12:30-16:30 **Laboratory: Brain Dissection 1**

Hands-on training groups tutored by faculty members



18:00 **Networking event 1**

Guided tour and dinner at the Pathological Museum
“Narrenturm”



Friday, 23rd August 2024

9:00 -11:30 Lectures 2 & Discussion

- Role of MEG for presurgical investigation in epilepsy
- Focal Cortical Dysplasia and LEATS
- Epilepsy surgical strategies for LEATs and FCDs

10:00-10:30 Coffee Break

- Holo-Hemispheric pathologies and autoimmune encephalitis
- Disconnective procedures in epilepsy surgery
- Stimulation procedures for intractable epilepsy

11:30-12:30 Lunch at the AKH Mensa

12:30-16:30 Laboratory: Brain Dissection 2

Hands-on training groups tutored by Faculty members



18:00

Networking event 2

Social dinner with Faculty at “Figlmüller Lugeck”



Saturday, 24th August 2024

9:00 -11:30 Lectures 3 & Discussion

- Hippocampal Sclerosis
- Childhood epilepsy and indications for surgery
- Epilepsy surgery of the insula

10:00-10:30 Coffee Break

- Awake surgery techniques for eloquent brain areas
- Image guided surgery in epilepsy procedures
- Epilepsy surgery in MRI negative patients

11:30-12:30 Lunch at the AKH Mensa

12:30-16:00 Laboratory: Brain Dissection 3

Hands-on training groups tutored by Faculty members



16:00

Farewell gathering at the lecture hall including buffet