

# **EANS Epilepsy Surgery Brain Dissection Course**

**Vienna 2025**

**Part 1 (Basic) and Part 2 (Advanced)**

**Date:** July 3rd – 5th, 2025

**Location:**

Vienna General Hospital / Medical University of Vienna, Austria



## **EANS Epilepsy Brain Dissection Course**



MEDICAL UNIVERSITY  
OF VIENNA



THE EUROPEAN ASSOCIATION  
OF NEUROSURGICAL SOCIETIES

**3.-5. July 2025, Vienna, Austria**



THE EUROPEAN ASSOCIATION  
OF NEUROSURGICAL SOCIETIES

## Course Overview

The **EANS Epilepsy Surgery Brain Dissection Course 2025** is designed to provide a comprehensive, hands-on educational experience for neurosurgeons specializing in functional neurosurgery. Delivered by an esteemed international faculty, this course combines state-of-the-art lectures with practical dissection sessions to advance participants' skills in epilepsy surgery.

## Course Objectives:

- Develop a thorough understanding of the surgical management of temporal and extra-temporal epilepsy.
- Practice and refine dissection techniques for temporal lobe and other epilepsy-related surgical approaches.
- Explore advanced and emerging techniques, including laser interstitial thermal therapy (LITT) and deep brain stimulation.

## Course Structure

### **Part 1: Basic Course (1 Day)**

**Date:** July 3rd, 2025

**Target Audience:** 5th and 6th-year neurosurgical residents.

- **Description:**
  - **Morning Session:** Comprehensive lectures on temporal lobe epilepsy and the surgical treatment options.
  - **Afternoon Session:** Hands-on dissection of common temporal lobe surgical approaches on brain specimens using microscopes, CUSAs and micro-instruments.

### **Part 2: Advanced Course (2 Days)**

**Dates:** July 4th–5th, 2025

**Target Audience:** Board-certified neurosurgeons focusing on functional neurosurgery.

- **Description:**
  - **Lectures:**
    - Advanced techniques for managing temporal and extra-temporal epilepsy.
    - Topics include: depth electrodes, hemispherotomy techniques, laser interstitial thermal therapy (LITT), deep brain stimulation and MRgFUS.
    - Live surgery broadcast with real-time insights into surgical procedures.
  - **Laboratory Sessions:**
    - Hands-on guidance for brain specimen dissection using microscopes, CUSAs and micro-instruments

## **THURSDAY, July 3rd, 2025: Day 1 – Epilepsy Surgery Course Agenda**

*Location: Neurosurgical Building Main Entrance*

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**7:30-8:00 Registration Part 1**

**8:00-8:10 Welcome & Course Presentation**

**8:10-10:00 Lectures and Discussion (Session 1)**

- *Presurgical evaluation of temporal lobe epilepsy, Ekatarina Patariaia*
- *Neuroimaging for temporal lobe epilepsy, Gregor Kasprian*
- *Histopathology of temporal lobe epilepsy, Ellen Gelpi*

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

**10:30-12:00 Lectures and Discussion (Session 2)**

- *Surgical anatomy of the temporal lobe, Enrico Ghizoni*
- *Surgical basics in temporal lobe epilepsy surgery, Olaf Schijns*
- *Minimal invasive techniques in temporal lobe epilepsy surgery, Tom Theys*

**12:00-13:00 Lunch**

*Location: AKH Mensa*

**13:00-17:30**

**Laboratory Session: Temporal Lobe Dissection**

*Location: Neurosurgical Laboratory*

**18:30 Networking Event 1**

*Pathological Museum- Narrenturm*

## **FRIDAY, July 4th, 2025: Day 2 – Epilepsy Surgery Course Agenda**

*Location: Neurosurgical Building Main Entrance*

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**7:30-8:00 Registration Part 2/ Breakfast/ Exhibits**

**8:00-10:00 Lectures and Discussion (Session 1)**

- *Principles in epilepsy diagnosis & medical treatment, Christoph Baumgartner*
- *Principles in epilepsy surgery, Karl Roessler*
- *Holo-hemispheric pathologies and autoimmunencephalitis, Romana Hoeflberger*
- *Epilepsy surgical strategies for LEATs and FCDs, Daniel Delev*

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

**10:30-12:00 Lectures and Discussion (Session 2)**

- *Temporal lobe and extra-temporal epilepsy surgery, Enrico Ghizoni*
- *Disconnective procedures in epilepsy surgery, Christian Dorfer*
- *Practice of depth electrode monitoring in epilepsy surgery, Olaf Schijns*
- *VNS, DBS and MRgFUS in epilepsy surgery, Klaus Novak*

**12:00-13:00 Lunch**

*Location: AKH Mensa*

**13:00-17:30**

**Laboratory Session: Hemispherotomy**

**19:00 Networking Event 2**

*Figlmüller Lugeck*

## **SATURDAY, July 5th, 2025: Day 3 – Epilepsy Surgery Course Agenda**

*Location: Neurosurgical Building Main Entrance*

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**7:30-8:00 Breakfast/ Exhibits**

**8:00-09:30 Lectures and Discussion (Session 1)**

- *Childhood epilepsy and indications for surgery, Martha Feucht*
- *Pediatric epilepsy surgery, Alexandre Campos*
- *LITT for intractable epilepsy in children and adults, Ido Strauss*

**09:30-10:00 Coffee Break, Exhibits**

**10:00-12:00 Lectures and Discussion (Session 2)**

- *Epilepsy surgery in MRI negative epilepsies and eloquent cortex, Kostas Fountas*
- *Surgical techniques for eloquent brain areas, Marek von Lehe*
- *Combining resection, disconnection and stimulation in eloquent areas, Eyiye-misi Damisah*

**12:00-13:00 Lunch, Exhibits**

**12:30-17:00**

**Laboratory Session: Temporal lobe and extratemporal dissection**

**17:00 Farewell gathering**

## Course Director

**Karl Rössler, MD**

Professor of Neurosurgery  
Department of Neurosurgery  
Medical University of Vienna

## Local Organization

**Karl Rössler, MD**

Professor of Neurosurgery  
Department of Neurosurgery  
Medical University of Vienna

**Julia Shawarba, MD**

Department of Neurosurgery  
Medical University of Vienna

**Fabian Winter, MD**

Department of Neurosurgery  
Medical University of Vienna

**Lisa Gäcklein**

Department of Neurosurgery  
Medical University of Vienna

## European Association of Neurosurgical Societies (EANS)/International Faculty

**Daniel Delev, MD**

Universitätsklinikum Erlangen  
Erlangen, Germany

**Kostas Fountas, MD**

University of Thessaly Medical School  
Larissa, Greece

**Enrico Ghizoni, MD**

University of Campinas  
Campinas, Brazil

**Alexandre Rainha Campos, MD**

Clínica Universitária da Faculdade de  
Medicina da Universidade de Lisboa  
Portugal

**Olaf Schijns, MD**

Maastricht University Medical Center,  
Maastricht, The Netherlands

**Ido Strauss, MD**

Tel Aviv Sourasky Medical Center  
Tel Aviv, Israel

**Tom Theys, MD**  
Universitair Ziekenhuis Leuven  
Leuven, Belgium

**Marek von Lehe, MD**  
Universitätsklinikum Ruppin-Brandenburg  
Neuruppin, Germany

**Eyiyemisi Damisah, MD**

Yale University, New Haven, Connecticut, USA

## **Medical University of Vienna Faculty**

**Thomas Czech, MD**  
Department of Neurosurgery, MUW

**Christian Dorfer, MD**  
Department of Neurosurgery, MUW

**Martha Feucht, MD**  
Department of Paediatric and Adolescent  
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**Ekaterina Pataraia, MD**  
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**Christoph Baumgartner, MD**  
Neurological Department, Klinik Hietzing,  
Vienna, Austria.

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## **Course Details**

- **Participants:**
    - Limited to 16 participants.
    - Each participant will share one of the 8 dissection units (equipped with microscopes, CUSAs, and brain specimens).
  - **Social Program:**
    - Includes two networking events and a farewell gathering in scenic outdoor locations in Vienna.
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## Registration Details

- **Application Process:**
    - Submit a short CV and a description of your current clinical practice, including residency or board certification details.
    - Send applications to:
      - **karl.roessler@meduniwien.ac.at** and in cc:  
**lisa.gaecklein@meduniwien.ac.at**
  - **Fees:**
    - **Part 1 (Basic Course): €475**
    - **Part 2 (Advanced Course): €950**
    - **Full Course (3 Days): €1300**
  - **Included in Fee:**
    - Lunch, beverages during sessions, and access to networking events.
  - **Not Included:**
    - Airfare, accommodation, or travel expenses to/from Vienna.
  - **Notification of Acceptance:**
    - Selected participants will be informed by the application deadline, along with payment and registration instructions.
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## Contact Information

Application and further details:

- **Karl Rössler:** karl.roessler@meduniwien.ac.at
- **Lisa Gäcklein:** lisa.gaecklein@meduniwien.ac.at



