Lectures and hands-on in Epilepsy Surgery, Neuropathology and Neuroanatomy

Learning Objectives:
Demonstrate working knowledge of etiologies for focal and generalized epilepsy pathologies and surgical indications and approaches in children and adults (Level 1-3)

Course Directors
Karl Rössler / Ingmar Blümcke / Christian Dorfer

Organization
Fabian Winter

For more information, please contact
Lisa Gäcklein: lisa.gaecklein@meduniwien.ac.at  Tel.: +43 1 40400 45650
Workshop Description

Surgical management of drug-resistant focal epilepsy represents a successful treatment option in carefully selected patients. It is therefore of utmost importance to identify patients amenable to epilepsy surgery early enough during the disease course and submit to a pre-surgical evaluation. The 13th ILAE School for Neuropathology and Epilepsy Surgery is designed to enable participants to better recognize and classify various lesional substrates of drug-resistant epilepsy. Advanced hands-on surgical training will be provided in small groups under the guidance of distinguished tutors who will give practical demonstrations on macro- and microscopic brain specimens. Participants will also have the opportunity to perform surgical approaches on cadavers and diagnose histopathological cases under the microscope. The workshop has been held in Germany, Brazil, USA, and China since 2013, with a focus on histopathology and the endorsement of the International League Against Epilepsy (ILAE).

Learning Objectives of the ILAE curriculum

1.1.2 Describe the common structural etiologies (hippocampal sclerosis, brain tumours, cortical malformations, vascular lesions);
4.1 Demonstrate working knowledge of indications for pre-surgical evaluation;
4.2 Describe the importance of early surgical intervention regarding neuro-developmental, cognitive, behavioral and social integration aspects;
4.4 Demonstrate working knowledge of etiologies amenable to surgical treatment and their prognosis in all age groups

Target Audience

Neurosurgeons, Neuro-/Pathologists, Epileptologists & Neurologists, Neuroimagers and Basic Researchers

Course Faculty

Universitätsklinikum Erlangen, Germany
Neuropathological Institute:
  Ingmar Blümcke
  Katja Kobow
Neurosurgery Clinic:
  Stefan Rampp

Evangelisches Klinikum Bethel Bielefeld, Germany
Neurosurgery Clinic:
  Thilo Kalbhenn

Universitätsklinikum AKH Wien, Austria
Department of Neurosurgery:
  Thomas Czech
  Christian Dorfer
  Klaus Novak
  Karl Rössler
Department of Pediatric and Adolescent Medicine:
  Martha Feucht
Department of Neurology / Neuropathology & Neurochemistry:
  Ellen Gelpi-Mantius
  Romana Höftberger
Department of Biomedical Imaging and Image-guided Therapy:
  Gregor Kasprian

Klinik Hietzing Wien, Austria
Department of Neurology:
  Christoph Baumgartner

University of Gothenburg, Sweden
Department of Neuroscience:
  Bertil Rydenhag

University of Campinas, Brazil
Department of Neurology:
  Enrico Ghizoni

Course Secretary: Lisa Gäcklein
Thursday: 1:00pm – 5:00pm

- Principles in epilepsy diagnosis & treatment
  Christoph Baumgartner, 20 min
- Structural and functional neuroimaging for epilepsy
  Gregor Kasprian, 20 min
- Histopathological findings in brain tissue obtained from epilepsy surgery
  Ingmar Blümcke, 20 min

  Coffee break 30 min

- Principles in epilepsy surgery
  Bertil Rydenhag, 20 min
- Epilepsy surgery of the temporal lobe
  Enrico Ghizoni, 20 min
- Minimal invasive techniques in epilepsy surgery
  Karl Rössler, 20 min

  Brain dissection and microscopy training course (hands-on training groups)

Friday: 9:00am – 5:00pm

- Role of MEG for presurgical investigation in epilepsy
  Stefan Rampp, 20 min
- Focal cortical dysplasia and LEATs
  Ingmar Blümcke, 20 min
- Epilepsy surgical strategies for LEATs and FCDs
  Thilo Kalbhenn, 20 min

Saturday: 10:00am – 4:00pm

- Hippocampal Sclerosis
  Ingmar Blümcke, 20 min
- Childhood epilepsy and indications for surgery
  Martha Feucht, 20 min
- Epilepsy surgery of the insula
  Thilo Kalbhenn, 20 min
- Awake surgery techniques for eloquent brain areas
  Thomas Czech, 20 min

  Lunch Buffet at the Lecture hall area

  Brain dissection and microscopy training course (hands-on training groups)
Registration

In order to secure your spot in the course, we highly recommend applying as early as possible as the number of participants is limited to 24. On-site registration is not possible.

Applications must be received by May 1st 2023 and should include a short CV and a brief description of your current clinical practice and experience in the field of neuropathology and epilepsy surgery.

Please also indicate your level of experience in neurosurgery: A – experienced, B – beginner, C – non-experienced.

Please send your application by E-Mail to Prof. Karl Rössler: karl.roessler@meduniwien.ac.at.

Selected participants will be notified no later than July 31st 2023 and will receive all further instructions regarding full registration and payment.

Registration fee: € 400

The registration fee includes participation in the course, as well as lunch and beverages during the 3-day-course, excluding travel and accommodation costs.
13th ILAE School for Neuropathology and Epilepsy Surgery

INES 2023 VIENNA

August 24 – 26, 2023
MedUniWien Campus at the Allgemeines Krankenhaus (AKH)

Course Directors:
Karl Rössler / Ingmar Blümcke / Christian Dorfer

Organization: Fabian Winter

For more information, please contact:
Lisa Gäcklein
Office to the Head of the Department of Neurosurgery
E-Mail: lisa.gaecklein@meduniwien.ac.at
Tel: +43 1 40400 45650

Join us in Vienna