ILAE Comprehensive Epilepsy Surgery Course Series

10th EPODES Advanced II
Paediatric Epilepsy Surgery, Palliative surgery & Neuromodulation

Brno, Czech Republic, 20 – 24 January 2020

Advanced course in epilepsy surgery focused on paediatric age, palliative surgery and neuromodulation

Monday January 20th

Afternoon: **Introduction – indications, etiopathogenesis** - moderator Helen Cross
15:00 - 15:15 Introduction to the course
15:15 - 15:45 General principles of epilepsy surgery
15:45 - 16:15 What’s different about children
16:15 - 16:45 Coffee
16:45 - 17:15 Broadening spectrum of surgically treatable epilepsies
17:15 - 18:15 Neuropathological and molecular-genetic substrates of focal paediatric epilepsy
18:15 - 19:00 Dinner

Tuesday January 21st

Morning: **Diagnostic aspects I** - moderator Sandor Beniczky
08:00 - 08:30 Specific electro-clinical manifestations of focal epilepsy in children
08:30 - 09:45 Seizure semiology (paediatric seizure club)
09:45 - 10:30 Value and limitations of scalp EEG in children, including source imaging techniques
10:30 - 11:00 Coffee
11:00 - 11:30 Intraoperative ECoG, subdural strips/grids
11:30 - 12:30 Stereo/EEG technique: Indications, advantages, limits, methodology
12:30 - 13:30 Lunch

Afternoon: Group work and tutorials, see separate schedule
Wednesday January 22nd

Morning: **Diagnostic aspects II, management of specific syndromes** - moderator Pavel Kršek

08:00 - 08:45  
Magnetic resonance, including developmental aspects and image postprocessing  
*Marusič / Kynčl*

08:45 - 09:15  
Functional neuroimaging in children  
*Brázdil*

09:15 - 10:00  
Neuropsychological and psychiatric evaluation in children  
*Bulteau*

10:00 - 10:30  
Coffee

10:30 - 11:00  
Long-term epilepsy associated tumors (LEATs)  
*Rydenhag*

11:00 - 11:30  
Focal cortical dysplasia  
*Ramantani*

11:30 - 12:00  
Tuberous sclerosis  
*Kršek*

12:00 - 12:30  
Epilepsy surgery in epileptic encephalopathy  
*Cross*

Afternoon:  
13:30 - 17:15  
Group work and tutorials, see separate schedule

Thursday January 23rd

Morning: **Specific syndromes II, complications, outcome** - moderator Kees Braun

08:00 - 08:45  
Hemispheric epilepsy syndromes and hypothalamic hamartoma: Diagnostic aspects, indications for surgery  
*Bulteau*

08:45 - 09:15  
Hemispherotomy, hypothalamic hamartoma: Neurosurgical view  
*Rydenhag*

09:15 - 09:45  
Complications of epilepsy surgery  
*Rydenhag*

09:45 - 10:15  
Prevention of postoperative deficits, intraoperative monitoring  
*Kršek*

10:15 - 10:45  
Coffee

10:45 - 11:15  
Seizure outcome of epilepsy surgery, postsurgical management of AEDs  
*Braun*

11:15 - 12:00  
Cognitive and developmental outcomes of paediatric epilepsy surgery (both curative and palliative)  
*Bulteau*

12:00 - 13:00  
Lunch

Afternoon:  
13:00 - 15:00  
Brno city tour

15:15 - 16:30  
Group work and tutorials, see separate schedule

Friday January 24th

Morning: **Palliative surgery and neuromodulation** - moderator Ivan Rektor

08:00 - 08:45  
When to stop in paediatric epilepsy surgery?  
*Braun*

08:45 - 09:15  
Palliative epilepsy surgery: An overview  
*Ozkara*

09:15 - 09:45  
Vagus nerve stimulation (VNS)  
*Brázdil*

09:45 - 10:15  
Deep brain stimulation (DBS) and other neurostimulation techniques  
*Rektor*

10:15 - 10:45  
Coffee

10:45 - 11:15  
Callosotomy, VNS - neurosurgical view  
*Rydenhag*

11:15 - 12:00  
Future developments in epilepsy surgery including discussion of the team  
*Komárek / all tutors*

12:30  
Conclusion of the course, lunch

Group work: all participants will be asked to bring at least one open case suitable for the topics covered in the course

Faculty:  
Sándor Beniczky, Ingmar Blümcke, Kees Braun, Milan Brázdil, Christine Bulteau, Francesco Cardinale, Helen Cross, Vladimír Komárek, Philippe Kahane, Pavel Kršek, Martin Kynčl, Petr Marusič, Cigdem Ozkara, Georgia Ramantani, Ivan Rektor, Bertil Rydenhag