Monday, January 22nd

Afternoon: Introduction - indications, etiopathogenesis

15.00-15.15 Introduction to the course  
I. Rektor, Ç. Özkara, B. Rydenhag
15.15-15.45 General principles of epilepsy surgery  
Ç. Özkara
15.45-16.15 What’s different about children  
H. Cross
16.15-16.45 Coffee break
16.45-17.15 Broadening spectrum of surgically treatable epilepsies  
D. Fabó
17.15-18.15 Neuropathological and molecular-genetic substrates of focal paediatric epilepsy  
I. Blümcke

Tuesday, January 23rd

Morning: Diagnostic aspects I

08.00-08.30 Specific electro-clinical manifestations of focal epilepsy in children  
P. Kršek
08.30-09.45 Seizure semiology (pediatric seizure club)  
H. Cross, P. Kahane, P. Kršek
09.45-10.30 Value and limitations of scalp EEG in children, including source imaging technique  
S. Beniczky
10.30-11.00 Coffee break
11.00-11.30 Intraoperative ECoG, subdural strips/grids in children  
H. Cross
11.30-12.30 Stereo/EEG technique: Indications, advantages, limits, methodology  
P. Kahane
12.30-13.30 Lunch

Afternoon: Workshop
13.30-17.30 Group work and tutorials – see separate schedule
Wednesday, January 24th

Morning: **Diagnostic aspects II, management of specific syndromes**

08.00-08.45 MRI including developmental aspects  
P. Marusič

08.45-09.15 Functional neuroimaging in children  
M. Brázdil

09.15-09.45 Localisation of epileptogenic zone in MR negative epilepsy  
C. Bulteau

10.15-10.30 Coffee break

10.30-11.00 Long-term epilepsy associated tumors (LEATs) and vascular malformations in children  
G. Ramantani

11.00-11.30 Focal cortical dysplasia and other developmental pathologies  
P. Kršek

11.30-12.00 Epilepsy surgery in epileptic encephalopathy  
H. Cross

12.00-12.30 Intraoperative monitoring and prevention of postsurgical deficits in children  
P. Kršek

12.30-13.30 Lunch

Afternoon: **Workshop**

13.30-17.30 Group work and tutorials – see separate schedule

Thursday, January 25th

Morning: **Epilepsy surgery**

08.15-08.45 SEEG and subdural grids implantation  
A. Cukiert, B. Rydenhag

08.45-09.15 Surgical techniques of cortical dysplasias, tuberous sclerosis and LEATs  
A. Cukiert

09.15-10.15 Hemispheric surgery and hypothalamic hamartoma  
G. Ramantani, B. Rydenhag, A. Cukiert

Neurological aspects (GR 30minute) and surgical techniques (BR 30minutes)

10.15- 10:45 Coffee break

10.45-11.15 Complications of epilepsy surgery and prevention of them  
B. Rydenhag

11.15-11.45 Seizure outcome of epilepsy surgery, postsurgical management of AED  
A. Cukiert

11.45-12.15 Cognitive and developmental outcomes of paediatric epilepsy surgery (both curative and palliative)  
C. Bulteau

12.15-13.00 When to stop in paediatric epilepsy surgery?  
G. Ramantani

13.00-14.00 Lunch
Afternoon: Workshop
14.00-15.30 Group work and tutorials – see separate schedule
15.30-18.00 Brno City tour

Friday, January 26th
Morning: Palliative surgery and neuromodulation         Moderator: Ivan Rektor

08.00-08.30 Patient selection for neuromodulation        C. Cukiert
08.30-09.15 Deep brain stimulation (DBS) and other neurostimulation techniques  I. Rektor
09.15-09.45 Surgery of neurostimulation, DBS             A. Cukiert
09.45-10.15 Callosotomy and VNS surgical aspects, palliative procedures - neurosurgical view
B. Rydenhag, A. Cukiert, D. Fabó

10.15-10.45 Coffee break

10.45-11.15 Palliative epilepsy surgery: An overview       Ç. Özkara
11.15-11.45 Thermocoagulation following SEEG and LITT - minimally invasive procedure
C. Bulteau, B. Rydenhag

11.45-12.30 Future developments in epilepsy surgery including discussion of the team
All participants and tutors

12.30-13.30 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, Milan Brázdil, Cristine Bulteau, Helen Cross, Arthur Cukiert, Cristine Cukiert, Daniel Fabó, Philippe Kahane, Pavel Kršek, Petr Marusič, Çiğdem Özkara, Georgia Ramantani, Ivan Rektor, Bertil Rydenhag