



17th San Servolo Advanced Epilepsy Course

Brain exploration and epilepsy surgery at pediatric age

San Servolo, Venice (Italy), 7-18 July 2019



Course Directors: Helen Cross (UK) and Imad Najm (US)



Aim of the Course is to teach attendees (1) the effects of uncontrolled epilepsy on childhood development, (2) to utilize knowledge to select pediatric patients for epilepsy surgery using EEG, semiology, imaging and other techniques; (3) to identify patients who require invasive evaluations and be able to choose the appropriate invasive technique; (4) to understand the various surgical resective and non resective approaches in pediatric epilepsy surgery and (5) to manage a Pediatric Epilepsy Surgery team. The Course is targeted to pediatric neurologists, neurophysiologists, neuroradiologists, pediatric neurosurgeons and clinical neuroscientists interested in the pathophysiology, diagnosis and management of pharmacoresistant epilepsies in children, and in the development of pediatric epilepsy surgery programs. The Course is based on formal lectures, practical case based discussions, debates between experts, and special group activities. Attendees will be grouped in small teams to prepare a research project on pediatric epilepsy under the supervision of two faculty tutors.

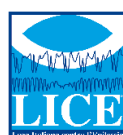
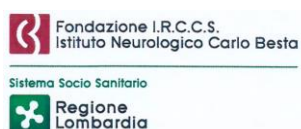
Tutors:

Kees Braun	NL	Julia Jacobs	D
Helen Cross	UK	Gary Mathern	US
Luca de Palma	I	Imad Najm	US
Petia Dimova	BG	Eliseu Paglioli	BR
Martha Feucht	OST	Bertil Rydenhag	S
William Gaillard	US	Martin Tisdall	UK
Hans Holtausen	D	Laura Tassi	I

Lecturers:

Alexis Arzimanoglou	F
Ingmar Blumcke	D
Christine Bulteau	F
Rita Garbelli	I
Lara Jehi	US

The Course is supported by the **International League Against Epilepsy** (ILAE Pediatric and Surgery and North-America Commissions and ILAE-Europe), by the **Italian League Against Epilepsy (LICE)**, by the **Fondazione IRCCS Istituto Neurologico Carlo Besta**, by **GW Pharma** and **EISAI Italy** unrestricted grants. The Course is endorsed by the European Reference Network **EpiCARE** for Rare and Complex Epilepsies and by the **Associazione Paolo Zorzi for Neuroscience**.



Course Program

Sunday, July 7, 2019		
7.00 pm	<i>registration</i>	
7.30 pm	<i>welcome buffet dinner</i>	
Day 1–Monday, July 8- Pediatric Epilepsy Surgery: Timing and pathology		
8.30 -9.00 am	Welcome of ISNV President and Introduction of Course Directors	G. Avanzini, F. Paladin
9.00-10.00 am	Epilepsy Surgery in Children: Then and Now	Helen Cross
10.00-11.00	Prognosis of early onset lesional epilepsy	Martha Feucht
11.00-11.15 am	coffee break	
11.15-12.15 am	Epilepsy and the developing brain	Christine Bulteau
12.15-1.15 pm	Selection of candidates: the case for early surgery (Cognitive, motor and psychosocial outcomes)	Christine Bulteau
1.15-2.30 pm	lunch	
2.30-3.30 pm	Selection of candidates: the case for early surgery (Seizure outcome)	Kees Braun
3.30-4.30 pm	Pathology of Epilepsy in Children	Ingmar Blümcke
4.30-5.30 pm	Formation of project teams	
5.30 -6.30 pm	How to present a clinical case	Petia Dimova
6.30 -7.00 am	While in Venice: dos and don'ts	Metella Paterlini e Valentina Guarino
Day 2–Tuesday, July 9- Pre-surgical evaluation 1		
9.00 -10.00 am	Procedures for selecting surgical candidates	Lara Jehi
10.00-11.00 am	The role of semiology in surgical selection	Laura Tassi
11.00-11.15 am	coffee break	
11.15 am-1.15 pm	Case presentations and discussions: Semiology	all tutors
1.15-2.30 pm	lunch	
2.30-3.30 pm	Pitfalls in the interpretation of video EEG	Petia Dimova
3.30-5.30 pm	Case presentations and discussions: Scalp EEG	all tutors
5.30-6.30 pm	Projects discussion	
Day 3–Wednesday, July 10- Pre-surgical evaluation 2		
9.00 -10.00 am	Optimising structural MRI	Kees Braun
10.00-11.00 am	The role of functional imaging in paediatric pre-surgical evaluation	William Gaillard
11.00-11.15 am	coffee break	
11.15 am-1.15 pm	Case presentations and discussions: Imaging/pathological correlations	all tutors
1.15-2.30 pm	lunch	
2.30-3.30 pm	MEG/ESI	Julia Jacobs
3.30-4.30 pm	Neurocognitive evaluation	Christine Bulteau
4.30 – 5.30pm	The concept of the patient management conference	Alexis Arzimanoglou
5.30-6.30 pm	Projects discussion	
Day 4–Thursday, July 11– Invasive evaluation		
9.00 -10.00 am	Invasive recordings in children; when and why	Luca de Palma
10.00-11.00 am	Ins and outs of Stereo EEG and subdural grids	Imad Najm
11.00-11.15 am	coffee break	
11.15 am-1.15 pm	Case presentations and discussions: invasive recordings or not	all tutors
1.15-2.30 pm	lunch	
2.30-3.30 pm	Debate: is Stereo EEG the invasive investigation of choice in all children?	Laura Tassi vs Helen Cross
3.30-5.30 pm	Small group discussions: planning invasive EEG evaluation	Laura Tassi, Helen Cross
5.30-6.30 pm	Projects discussion	
Day 5–Friday, July 12 Surgery		

9.00 -10.00 am	Resective surgery in children –when enough is enough	Bertil Rydenhag
10.00-11.00 am	Surgery in eloquent cortex	xxxxxxxxxxxxxx
11.00-11.15 am coffee break		
11.15 am-12.15 pm	Hemi-disconnections & multilobar resection	Eliseu Paglioli
12.15am-1.15 pm	Is there a role for corpus callosotomy and other palliative surgery?	Martin Tisdall
1.15-2.30 pm lunch		
2.30-5.30 pm	Practical session on neuropathology –	Rita Garbelli
5.30-6.30 pm	Projects discussion	
Day 6–Saturday, July 13– Controversies in Pediatric Epilepsy Surgery		
9.00 -09.45 am	Transfer of function after resection: fact or fiction?	William Gaillard
09.45-10.300 am	Extent of resection: Should it be defined by anatomy, electrophysiology or function	Eliseu Paglioli
10.30 – 11.00 am	Early vs late wean of anti-epileptic medications	Kees Braun
11.00-11.15 am coffee break		
11.15-12.15 am	To operate or not to operate on patients with Tuberous sclerosis?	Martin Tisdall
12.15-1.15 pm	When to consider surgery – should we wait for drug resistance?	Alexis Arzimanoglou
1.15-2.30 pm lunch		
Day 7– Sunday, July 14		
9.00-11.00 am	Group discussion of cases presented by the students Discussant???	Chaired by tutors
11.00-11.15 am coffee break		
11.15-1.15 am	Group discussion of cases presented by the students	Chaired by tutors
1.15-2.30 pm lunch		
2.30-5.30 pm	Group discussion of cases presented by the students	Chaired by tutors
Days 8-10 –Monday, Tuesday, Wednesday, July 15-17– Project development		
Breakdown into groups and development pediatric epilepsy surgery projects conditions		all tutors
Day 10 - July 17th, after 7.30 pm Final party.....bring music from your Country!!!		
Day 11 –Thursday July 18		
8.30-12.30 am	Working group presentations: - 45 minutes per group	all tutors
2.00 pm	Gondola Prize winner and end of the Course	