

1st GIRONA EIPED_COURSE: March 29th to April 1st 2017

**TREATMENT STRATEGIES IN PEDIATRIC EPILEPSIES:
a 3 years' cycle, international interactive training course**

**Organized by the Epilepsy Unit of the Child Neurology Department,
Hospital San Juan de Dios, Barcelona Spain**

Course Directors: Victoria San Antonio, Jaume Campistol, Alexis Arzimanoglou

2017 Faculty: Javier Aparicio (Spain), Ingmar Blümcke (Germany), Mar Carreno (Spain), Hans Holthausen (Germany), Philippe Kahane (France), Lieven Lagae (Belgium), Cristina Jou Muñoz (Spain), Emilio Perucca (Italy), Alia Ramirez (Spain), Rodrigo Rocamora (Spain), Graeme Sills (UK), Nicola Specchio (Italy), Federico Vigevano (Italy)

A 3 years cycle of independent annual training courses, developed specifically for child neurologists and physicians treating children with epilepsy.

Plenary interactive sessions and training modules will cover different aspects of treatment strategies in children with all types of epilepsies, including topics related to pharmacology, pharmacodynamics, pharmacokinetics, analysis of AED trials, design of clinical trials, pre-surgical evaluation, optimal choice of AEDs, review of existing guidelines (ILAE, NICE, other), ketogenic diet, neurostimulation, indications for resective and palliative surgery, pharmacological treatments other than AEDs, development of educational therapy programs.

For the training interactive modules participants will be matched in groups of maximum 10 per 2-3 mentors to discuss clinical practices and design therapeutic strategies of concrete clinical cases. Discussion in one of the training modules will be in Spanish.

Participants will be offered the opportunity to also bring their own clinical cases for discussion of optimal treatment approaches.

A pre- and post-assessment will allow evaluation of background and acquired knowledge.

WEDNESDAY MARCH 29TH 2017

15H00: Welcome and QUIZ PRE-EVALUATION

16H00-17H30

Antiepileptic Drugs 1: Mechanisms, interactions and spectrum of action;

Emilio Perucca (Italy)

17H30: Coffee-break and Meet your Tutor

18H00-19H30

Focal genetic (idiopathic) epilepsies from neonates to children: diagnose and treat

Federico Vigevano and Nicola Specchio (Italy)

THURSDAY MARCH 30TH 2017

08H30-09H30

Diagnosing and treating metabolic epilepsies
Jaume Campistol (Spain)

09H30-10H30

Antiepileptic Drugs 2: Pharmacokinetics of AEDS from neonates to adolescents
Graeme Sills (UK)

10H30: Coffee-break

11H00-13H00: FROM SYNDROMES TO LOCALIZATIONS: **Posterior cortex epilepsies**
Recognize them and decide your treatment strategy
Alexis Arzimanoglou and Philippe Kahane (France)

13H00: Lunch-break and Student-Tutor contacts for participants Case Reports

14H30-15H30: Interactive Training module 1

Group A: Anatomico-Electro-Clinical Reasoning (based on clinical cases of variable semiology and aetiology);
(Victoria SAN ANTONIO, Nicola SPECCHIO, Rodrigo ROCAMORA)

Group B: Anatomico-Electro-Clinical Reasoning (based on clinical cases of variable semiology and aetiology);
(Philippe KAHANE, Javier APARICIO, Hans HOLTHAUSEN)

Group C: How to rationalize AED treatment in genetic epilepsy syndromes with generalized seizures only
(Alexis ARZIMANOGLOU, Alia RAMIREZ, Lieven LAGAE, Graeme SILLS)

15H30-16H30: Interactive Training module 2

Group A: How to rationalize AED treatment in genetic epilepsy syndromes with generalized seizures only
(Alexis ARZIMANOGLOU, Alia RAMIREZ, Lieven LAGAE, Graeme SILLS)

Group B: Anatomico-Electro-Clinical Reasoning (based on clinical cases of variable semiology and aetiology);
(Victoria SAN ANTONIO, Nicola SPECCHIO, Rodrigo ROCAMORA)

Group C: Anatomico-Electro-Clinical Reasoning (based on clinical cases of variable semiology and aetiology);
(Philippe KAHANE, Javier APARICIO, Hans HOLTHAUSEN)

16H30 Coffee-Break and Student-Tutor contacts for participants Case Reports

17H30-18H15: Implanting and following treatment with VNS
Lieven Lagae (Belgium)

18H30-19H30: Interactive Training module 3

Group A: Anatomico-Electro-Clinical Reasoning (based on clinical cases of variable semiology and aetiology);
(Philippe KAHANE, Javier APARICIO, Hans HOLTHAUSEN)

Group B: How to rationalize AED treatment in genetic epilepsy syndromes with generalized seizures only
(Alexis ARZIMANOGLOU, Alia RAMIREZ, Lieven LAGAE, Graeme SILLS)

Group C: Anatomico-Electro-Clinical Reasoning (based on clinical cases of variable semiology and aetiology);
(Victoria SAN ANTONIO, Nicola SPECCHIO, Rodrigo ROCAMORA)

FRIDAY MARCH 31st 2017

08H30-10H00

Seizures and Syndromes: New Classifications, New Clinical Challenges
Alexis Arzimanoglou (France, Spain)

10H00: Coffee-break

10H30-12H30

Treatment strategies in Focal Cortical Dysplasias: Clinical and neuroradiological spectrum; Classifications;
Hans Holthausen and Ingmar Blümcke (Germany)

12H30: Lunch-break and Student-Tutor contacts for participants Case Reports

14H30-15H30: Interactive Training module 4

Group A: How to read a neuropathological specimen;
(Ingmar BLÜMCKE and Cristina JOU MUÑOZ)

Group B: How to integrate EEG patterns of FCDs in your treatment strategies
(Maria Angeles PEREZ; Hans HOLTHAUSEN, Mar CARRENO)

Group C: How to rationalize AED treatment in epilepsy syndromes with multiple seizure types
(Alexis ARZIMANOGLOU, Alia RAMIREZ, Lieven LAGAE)

15H30-16H30: Interactive Training module 5

Group A: How to integrate EEG patterns of FCDs in your treatment strategies
(Maria Angeles PEREZ; Hans HOLTHAUSEN, Mar CARRENO)

Group B: How to rationalize AED treatment in epilepsy syndromes with multiple seizure types
(Alexis ARZIMANOGLOU, Alia RAMIREZ, Lieven LAGAE)

Group C: How to read a neuropathological specimen;
(Ingmar BLÜMCKE and Cristina JOU MUÑOZ)

16H30: Coffee-break

17H00-18H00: New definitions for Status Epilepticus and how to treat prolonged convulsive seizures in children - **Victoria SAN ANTONIO (Spain)**

18H00-19H00: Interactive Training module 6

Group A: How to rationalize AED treatment in epilepsy syndromes with multiple seizure types
(Alexis ARZIMANOGLOU, Alia RAMIREZ, Lieven LAGAE)

Group B: How to read a neuropathological specimen;
(Ingmar BLÜMCKE and Cristina JOU MUÑOZ)

Group C: How to integrate EEG patterns of FCDs in your treatment strategies
(Maria Angeles PEREZ; Hans HOLTHAUSEN, Mar CARRENO)

SATURDAY APRIL 1st 2017

08H30-12H00

PRESENT YOUR OWN CASE AND DISCUSS THE RATIONAL FOR YOUR TREATMENT CHOICES
All Tutors present

12H00-13H00: QUIZZ POST-EVALUATION and “Buen Viaje” buffet

Spring 2018

Faculty TBC: Stéphane Auvin, Nadia Bahi-Buisson, Nathalie Boddaert, Santiago Candela, Helen Cross, Giuseppe Gobbi, Alfons Macaya, Jordi Murchart, Ronnit Presler, Jordi Rumia, Christian Sainte-Rose, Laura Tassi,

- Treatment with AEDs in neonates
- Neuroimaging in childhood focal epilepsies
- Neurosurgical techniques for the child neurologist
- Recommendations and guidelines for the medical treatment genetic (idiopathic) generalized epilepsies
- Non-convulsive status epilepticus: how much urgent and how to treat
- From syndromes to localizations: Recognizing and treating FRONTAL LOBE epilepsies
- Autoimmune epilepsies: state-of-the-art in treatment strategies
- What you always wanted to know on ketogenic diet
- Training modules on:
 - AEDs: How to read publications on AED trials; How to design a trial.
 - How to treat behavioural disorders, ADHD; non-epileptic psychogenic seizures.
 - Using AEDs in children with metabolic, hepatic or renal disorders;
 - I suspect the presence of an FCD in a child: what MRI, when and how to read it
 - Anatomico-Electro-Clinical Reasoning (based on clinical cases of variable semiology and aetiology);

Spring 2019

Faculty TBC: Kees Braun, Georges Dorfmüller, Marc Guenot, Hans Hothausen, Melissa Filippini, Stefano Francione, Agathe Laurent, Gaetan Lesca, Anna Lopez, Lorella Minotti, Rima Nabbout, Pier Angelo Veggiotti,

- Genetics of the epilepsies
- Stereo-EEG in children
- Grids and strips in children
- Antiepileptic drugs: Side effects; when and how to avoid them; how to deal with them.
- Recommendations and guidelines for the medical treatment of focal epilepsies (other than idiopathic)
- From syndromes to localizations: Recognizing and treating TEMPORAL and temporal *plus* epilepsies
- Treatment strategies for epileptogenic tumours and other acquired brain lesions.
- How to develop and implement an educational therapy program.
- Time to Stop AEDs?
- Training modules on:
 - Which genetic test and how to incorporate it in my treatment strategy
 - Using AEDs for indications other than epilepsy;
 - Implement and follow-up of a ketogenic diet;
 - When and how a neuropsychological evaluation is needed;
 - Anatomico-Electro-Clinical Reasoning (based on clinical cases of variable semiology and aetiology);
 - Steroids for the treatment of children with epilepsy