Scientific Programme

Saturday, 22 June 2019

Pharmacological treatment: starter course

Places on this course must be booked and may be added to your congress registration for an additional fee. Booking is available via the congress registration system and more information on fees and the availability of the course is available at [https://www.epilepsycongress.org/iec/registration/](https://www.epilepsycongress.org/iec/registration/).

Chairs:
Chair: Emilio Perucca (Italy)
Chair: Torbjörn Tomson (Sweden)

- **Basic pharmacology**
  
  Speaker: Graeme Sills (United Kingdom)

- **When to treat and not treat**
  
  Speaker: C.T. Tan (Malaysia)
  Speaker: Shih Hui Lim (Singapore)

- **Drug selection and titration**
  
  Speaker: Emilio Perucca (Italy)

- **Break**
  
  08:00 - 11:00

- **Special populations: women and elderly**
  
  Speaker: Torbjörn Tomson (Sweden)

- **Special populations: infants and children**
  
  Speaker: Nicola Specchio (Italy)

Epilepsy diagnosis

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Chairs:
Chair: Peter Wolf (Denmark)
Chair: Walter van Emde Boas (Netherlands)

- **Is this seizure? Recognizing and classifying seizures from patient history and from video recordings**
  
  Speaker: Peter Wolf (Denmark)
  Speaker: Walter van Emde Boas (Netherlands)

- **Localizing focal seizures based on patient history and video recordings**
  
  Speaker: Philippe Kahane (France)
Scientific Programme

Break

09:00 - 10:00

Etiologies according to the age of onset
Speaker: Michael Sperling (United States)

10:00 - 11:00

Epilepsy syndromes
Speaker: Michalis Koutroumanidis (United Kingdom)
Speaker: Matthew Walker (United Kingdom)

11:00 - 11:50

EEG in diagnosing patients with epilepsy (EEG starter)

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Chairs:
Chair: Sándor Beniczky (Denmark)
Chair: Ronit Pressler (United Kingdom)

08:00 - 08:50

Basic technology, electrodes, montages and localization
Speaker: Sándor Beniczky (Denmark)

08:50 - 09:40

Systematic approach to EEG interpretation: background activity
Speaker: Ronit Pressler (United Kingdom)

09:40 - 10:10

Break

10:10 - 11:00

Systematic approach to EEG interpretation: interictal and ictal patterns
Speaker: Richard Wennberg (Canada)

11:00 - 11:50

Normal variants. Sensitivity and specificity
Speaker: Ernest Somerville (Australia)

Other

08:00 - 11:50

Lotus 14

Status epilepticus

Places on this course must be booked and may be added to your congress registration for an additional fee. Booking is available via the congress registration system and more information on fees and the availability of the course is available at <a href="https://www.epilepsycongress.org/iec/registration/">https://www.epilepsycongress.org/iec/registration/</a>.

Chairs:
Chair: Eugen Trinka (Austria)

08:00 - 08:50

Epidemiology and classification
Speaker: Manjari Tripathi (India)

08:50 - 09:40

Pathophysiology and consequences of status epilepticus
Speaker: Jaideep Kapur (United States)
Scientific Programme

Break 09:40 - 10:10

Diagnosis and treatment: part one 10:10 - 11:00
Speaker: Eugen Trinka (Austria)

Diagnosis and treatment: part two 11:00 - 11:50
Speaker: Adam Strzelczyk (Germany)

Neuroimaging in epilepsy - what the clinician should know

Places on this course must be booked in advance and may be added to your congress registration for an additional fee. Booking is available via the congress registration system and more information on fees and the availability of the course is available at <a href="https://www.epilepsycongress.org/iec/registration/">https://www.epilepsycongress.org/iec/registration/</a>.

Chairs:
Chair: Andrea Bernasconi (Canada)
Chair: Paolo Federico (Canada)

Introduction to neuroimaging in epilepsy 08:00 - 08:50
Speaker: Paolo Federico (Canada)

MRI physics, sequence names, and MRI epilepsy protocol 08:50 - 09:40
Speaker: Boris Bernhardt (Germany)

Break 09:40 - 10:10

Common epileptic pathologies: temporal epilepsy 10:10 - 11:00
Speaker: Neda Ladbon Bernasconi (Canada)

Common epileptic pathologies: extratemporal lobe epilepsy 11:00 - 11:50
Speaker: Fernando Cendes (Brazil)

Break 11:50 - 13:00

MRI-negative epilepsy. What are the next steps? 13:00 - 13:50
Speaker: Andrea Bernasconi (Canada)

Other neuroimaging modalities: PET, SPECT, etc. 13:50 - 14:40
Speaker: Yotin Chinvarun (Thailand)

Break 14:40 - 15:10

fMRI (task-based, EEG-fMRI) and other advanced MRI methods 15:10 - 16:00
Speaker: Graeme Jackson (Australia)

fMRI (task-based, EEG-fMRI) and other advanced MRI methods 16:00 - 16:50
Speaker: Anna Elisabetta Vaudano (Italy)
Scientific Programme

Other
13:00 - 14:30

WONOEP Highlights

Chairs:
Chair: Aristea Galanopoulou (United States)
Chair: Terence O'Brien (Australia)

What is focal seizure? 13:00 - 13:10
Speaker: Astrid Nehlig (France)

What is generalized seizure? 13:10 - 13:20
Speaker: Terence O'Brien (Australia)

What is seizure in immature animals? 13:20 - 13:30
Speaker: Aristea Galanopoulou (United States)

Borderland of epileptic and non-epileptic events 13:30 - 13:40
Speaker: Ozlem Akman (Turkey)

Social Issues
13:00 - 14:45

IBE Golden Light Forum

Chairs:
Chair: Martin Brodie (United Kingdom)
Chair: Ann Little (Ireland)

My personal story 13:00 - 13:12
Speaker: Nina Mago (Uganda)

My personal story 13:12 - 13:24
Speaker: Amirsoheyl Pirayeshfar (Iran, Islamic Republic of)

My personal story 13:24 - 13:36
Speaker: Emma Lovise Larsen (Norway)

My personal story 13:36 - 13:48
Speaker: Rebecca McGhee (United Kingdom)

My personal story 13:48 - 14:00
Speaker: Sofia Betanzo (Chile)

My personal story 14:00 - 14:12
Speaker: Elizabeth Dueweke (United States)

My personal story 14:12 - 14:24
Speaker: Mohammad Agus Rahmatulloh (Indonesia)

My personal story 14:24 - 14:36
Speaker: Scarlett Paige (Australia)
Paediatrics  
13:00 - 14:30  
Lotus 5-7

**Treatment advances in the childhood epilepsies**

Seizures occur frequently in infants and young children, yet there are no specific guidelines about best treatment options for this population. With the development of new antiseizure medications, specialized diets, and a wide range of surgical strategies, the field of pediatric epilepsy is markedly changing. This forum will discuss these developments and their impact on treating infants and young children with epilepsy. Specifically, we will address gaps in our knowledge, new approved treatments for children including cannabidiol, when to consider surgery, and benefits of early surgical intervention in improving outcomes. Case studies will be presented to illustrate best treatment paradigms.

**Chairs:**
Chair: Lieven Lagae (Belgium)  
Chair: Stéphane Auvin (France)

- **Gaps in knowledge regarding treatment in infants and young children with epilepsy**  
  Speaker: Julia Jacobs (Germany)  
  13:00 - 13:22

- **New approved treatments: Are they beneficial in childhood epilepsy?**  
  Speaker: Christoph Schöne-Bake (Germany)  
  13:22 - 13:44

- **Surgical approaches: It’s never too early to think about epilepsy surgery in young children with epilepsy**  
  Speaker: Georgia Ramantani (Switzerland)  
  13:44 - 14:06

- **Typical case scenarios: Treatment possibilities**  
  Speaker: KP Vinayan (India)  
  14:06 - 14:28

**Social Issues**

13:00 - 14:30  
Ballroom C

**Access to treatment in resource-poor countries**

Access to consistent and appropriate care for epilepsy is a major challenge worldwide for patients with epilepsy. Barriers can include social prejudice, economic conditions, lack of healthcare providers and adequate training, inconsistent supply of medications, and politics. This forum will attempt to address some of these challenges and propose possible solutions, while engaging the audience in discussions on ways to reduce barriers to appropriate epilepsy care worldwide. Preliminary results from surveys of healthcare providers on access to care and generic medications may be presented. This forum is proposed from the Access to Treatment and Generic Substitution task forces.

**Chairs:**
Chair: Timothy Welty (United States)

- **Introduction**  
  Speaker: Timothy Welty (United States)  
  13:00 - 13:05

- **Society and societal barriers**  
  Speaker: Edward Kija (Tanzania, United Republic of)  
  13:05 - 13:22

- **Accessibility to antiepileptic drugs**  
  Speaker: Federico Vigevano (Italy)  
  Speaker: Virginia Pironi (Italy)  
  13:22 - 13:39
**Generic Medications**  
Speaker: Timothy Welty (United States)  
13:39 - 13:56

**Economic and political issues**  
Speaker: Hazel Paragua-Zuellig (Philippines)  
13:56 - 14:13

**Potential solutions**  
Speaker: Archana Patel (United States)  
14:13 - 14:30

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**Pharmacological treatment: starter course**

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**Basic pharmacology**  
Speaker: Graeme Sills (United Kingdom)  
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**When to treat and not treat**  
Speaker: C.T. Tan (Malaysia)  
Speaker: Shih Hui Lim (Singapore)  
13:40 - 14:20

**Special populations: infants and children**  
Speaker: Nicola Specchio (Italy)  
14:20 - 15:00

**Break**  
15:00 - 15:30

**Drug selection and titration**  
Speaker: Emilio Perucca (Italy)  
15:30 - 16:10

**Special populations: women and elderly**  
Speaker: Torbjörn Tomson (Sweden)  
16:10 - 16:50

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**Epilepsy diagnosis**

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Chair: Peter Wolf (Denmark)  
Chair: Walter van Emde Boas (Netherlands)
### Scientific Programme

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Speaker: Walter van Emde Boas (Netherlands)                                                                 |
| 13:50 - 14:40 | **Localizing focal seizures based on patient history and video recordings**                     | Speaker: Philippe Kahane (France)                                                                                |
| 14:40 - 15:10 | Break                                                                                          |                                                                                                                |
| 15:10 - 16:00 | **Etiologies according to the age of onset**                                                    | Speaker: Michael Sperling (United States)                                                                       |
| 16:00 - 16:50 | **Epilepsy syndromes**                                                                         | Speaker: Michalis Koutroumanidis (United Kingdom)  
Speaker: Matthew Walker (United Kingdom)                                                                       |

**Other**

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Chair: Ronit Pressler (United Kingdom)  
Chair: Sándor Beniczky (Denmark)

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33rd International Epilepsy Congress (IEC) in Bangkok
June 22-26, 2019

Scientific Programme

Other
13:00 - 16:50

Lotus 14

Status epilepticus

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Speaker: Manjari Tripathi (India)
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Speaker: Jaideep Kapur (United States)
13:50 - 14:40

**Break**
14:40 - 15:10

**Diagnosis and treatment: part one**
Speaker: Eugen Trinka (Austria)
15:10 - 16:00

**Diagnosis and treatment: part two**
Speaker: Adam Strzelczyk (Germany)
16:00 - 16:50

Other
14:45 - 15:30

Ballroom AB

Michael Prize

Chairs:
Chair: Iscia Lopes-Cendes (Brazil)
Chair: Julia Jacobs (Germany)

**Navigating from germline to somatic mutations in the mTOR pathway landscape**
Speaker: Stéphanie Baulac (France)
14:45 - 15:00

**Sleep, oscillations, and background EEG in human focal epilepsy**
Speaker: Birgit Frauscher (Canada)
15:00 - 15:15

Satellite Symposia
15:30 - 17:00

Lotus 1-4

LivaNova: Shaping the future of drug resistant epilepsy

Chairs:
Chair: Patrick Kwan (Australia)

**When the drugs don’t work**
Speaker: Patrick Kwan (Australia)
15:30 - 16:00

**VNS Therapy: what does the published data tell us?**
Speaker: Milan Brázdil (Czech Republic)
16:00 - 16:30
Scientific Programme

Managing DRE in children  
Speaker: Nicola Specchio (Italy)  
16:30 - 17:00

Satellite Symposia

UCB: Treatment gaps in epilepsy

Chairs:  
Chair: Raymond Edward Faught (United States)

Onset to diagnosis  
Speaker: Manjari Tripathi (India)  
15:30 - 15:52

Diagnosis to treatment  
Speaker: Raymond Edward Faught (United States)  
15:52 - 16:14

Gaps in epilepsy management  
Speaker: Ettore Beghi (Italy)  
16:14 - 16:36

Dialogue between physicians and patients  
Speaker: Fernando Cendes (Brazil)  
16:36 - 16:58

Optimising management of epilepsy in pregnancy

Chairs:  
Chair: Sanjeev Thomas (India)  
Chair: Torbjörn Tomson (Sweden)

Current global guidelines for the management of epilepsy in pregnancy: results of an ILAE survey  
Speaker: Torbjörn Tomson (Sweden)  
17:00 - 17:30

Update on developmental and behavioral outcomes after fetal exposure to different AEDs  
Speaker: Kimford Meador (United States)  
17:30 - 18:00

Managing epilepsy treatment during pregnancy with current knowledge and limited resources  
Speaker: Sanjeev Thomas (India)  
18:00 - 18:30

Making the right treatment choices in newly diagnosed epilepsy

Chairs:  
Chair: Anthony Marson (United Kingdom)  
Chair: Hazel Paragua-Zuellig (Philippines)
### The comparative clinical effectiveness of first line AEDs
Speaker: Anthony Marson (United Kingdom)  
17:00 - 17:22

### Assessing clinically important harms associated with AEDs
Speaker: Nathalie Jette (United States)  
17:22 - 17:44

### Assessing benefit-harm trade-offs in order to make best treatment choices?
Speaker: Reetta Kälviäinen (Finland)  
17:44 - 18:06

### Making cost effective treatments available
Speaker: Hazel Paragua-Zuellig (Philippines)  
18:06 - 18:28

#### Paediatrics
17:00 - 18:30
Lotus 1-4

### Childhood comorbidities from mechanism to management
**Chairs:**
Chair: Dana Craiu (Romania)
Chair: Chahnez Triki (Tunisia)

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<td>Dana Craiu (Romania)</td>
<td>17:00 - 17:22</td>
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<td>Impulse control</td>
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<td>17:22 - 17:44</td>
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<td>Cognitive impairment</td>
<td>Lieven Lagae (Belgium)</td>
<td>17:44 - 18:06</td>
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<td>Mood disorders</td>
<td>Edward Kija (Tanzania, United Republic of)</td>
<td>18:06 - 18:28</td>
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#### Management Issues (medical or surgical)
17:00 - 18:30
Lotus 5-7

### Application of genetic studies in epilepsy care: genome wide association studies
**Chairs:**
Chair: Gianpiero Cavalleri (Ireland)
Chair: Sam Berkovic (Australia)

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<td>An introduction to genome-wide association studies for clinicians</td>
<td>Nigel Tan (Singapore)</td>
<td>17:00 - 17:10</td>
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<td>Common variants in common epilepsies: mega-analysis of &gt;15,000 epilepsy cases</td>
<td>Remi Stevelink (Netherlands)</td>
<td>17:10 - 17:35</td>
</tr>
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<td>Predicting drug reactions with genotyping: HLA antigens, drug reactions and ethnicity</td>
<td>Patrick Kwan (Australia)</td>
<td>17:35 - 17:50</td>
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Scientific Programme

**Predicting drug reactions with genotyping: other genes and drug reactions**
Speaker: Mark McCormack (Ireland)

**Can genetic information help predict response to AED therapy?**
Speaker: Iscia Lopes-Cendes (Brazil)

**General discussion: who and when to test in 2019**

**Clinical**
17:00 - 18:30  
Ballroom C

**Impaired consciousness/awareness in epilepsy: clinical spectrum and mechanistic approaches**

**Chairs:**
Chair: Hal Blumenfeld (United States)
Chair: Satish Jain (India)

**What is “impaired awareness” and why is it important?**
Speaker: Sameer Zuberi (United Kingdom)

**Dissociating unresponsiveness from unconsciousness during epileptic seizures**
Speaker: Melaine Boly (Belgium)

**Electrophysiological correlates of impaired consciousness during focal seizures**
Speaker: Fabrice Bartolomei (France)

**Probing cortico-subcortical networks to reverse unconsciousness during epileptic seizures**
Speaker: Hal Blumenfeld (United States)

19:00 - 20:00  
Convention Hall

**Welcome Ceremony**
All delegates are invited to attend the Welcome Ceremony, which includes the Awards Ceremony. It is followed by the Welcome Reception.
Ticket: Included in registration fee for all delegates; Ticket includes: drinks and canapés
Paediatrics
08:00 - 09:30 Convention Hall

Developing prevention treatments for pediatric epilepsies: from models to the clinic

There has been an impressive growth in knowledge on the pathogenesis of pediatric epilepsies and seizures with new animal models developed which allowed the screening for syndrome- or etiology-specific therapies. However, there are still treatment gaps with limited efficacy of the available treatments and an absence of evidence for the second and third line treatment in clinical practice. There is an opportunity to advance from the use of extrapolation therapies from adults to the targeted development of therapies using syndrome-specific and etiology-specific models of pediatric epilepsies. We will bring together experts to discuss issues pertaining to the preclinical development, regulatory aspects and their translation into clinical trials. Four speakers will highlight specific issues and successes from pediatric epilepsy therapy development. Expert invited discussants will initiate and engage into a discussion of possible solutions or roadblocks on preclinical, regulatory and clinical trial issues. Each speaker will have 10min to introduce specific discussion points relevant to research or practice in his/her thematic areas. Discussants will present a first approach to the raised issues and moderate the discussion with the forum participants.

Chairs:
Chair: Aristea Galanopoulou (United States)

Preventing pediatric epilepsies when the cause is unknown: the West syndrome paradigm
Speaker: Hiroki Nariai (United States)

Preventing epilepsy in children when etiology is known: the case of Focal Cortical Dysplasia
Speaker: Stéphanie Baulac (France)

Can the EEG predict pediatric epilepsy diagnosis and epileptogenesis?
Speaker: Kees Braun (Netherlands)

Other
08:00 - 09:30 Ballroom AB

Focal cortical dysplasia: an update

Focal Cortical Dysplasia: an update
Speaker: Imad Najm (United States)
Speaker: Ingmar Blümcke (Germany)

Social Issues
08:00 - 09:30 Lotus 1-4

Counselling patients with epilepsy, caregivers and relatives

Counselling patients with epilepsy, caregivers and relatives
Speaker: Martin Brodie (United Kingdom)
Speaker: Mary Secco (Canada)
EEG source imaging – part one: theory

There is no additional charge for this course, but places on this course must be booked in advance. Booking is available via the congress registration system and more information on the availability of the course is available at <a href="https://www.epilepsycongress.org/iec/registration/">https://www.epilepsycongress.org/iec/registration/</a>. This course is supported by an unrestricted educational grant from Besa. The company has no input in the structure or content of, or speakers at, the teaching course.

EEG source imaging - part one: theory 08:00 - 09:30
Speaker: Stefan Rampp (Germany)
Speaker: Sándor Beniczky (Denmark)

The International Epilepsy Curriculum: Common errors and their solutions from a psychiatric/psychological perspective

To achieve an international, assessment-based certificate program in clinical epileptology, a list of competencies was evaluated and respective learning objectives were developed by the Education Task Force of the ILAE. Epilepsies are associated with substantial comorbidities, including mood disorders and cognitive dysfunction. These psychosocial factors and epilepsy treatments can have significant impact on the health-related quality of life (HRQOL) of individuals with epilepsy and their families. This forum will present and discuss case-based educational activities that relate to the scope of the Psychiatry Commission and Psychology Task Force. The forum will include a short overview of the goals and structure of the international epilepsy curriculum and illustrate the collaborative input by the Psychiatry Commission and Psychology Task Force. The forum is meant to be interactive: Presentations will be kept short to leave ample time for discussion.

Chairs:
Chair: Christian Brandt (Germany)
Chair: Rosa Michaelis (Germany)

Introduction - The international epilepsy curriculum as a patient-centered approach: an opportunity to increase awareness of common psychiatric conditions in epilepsy? 08:00 - 08:18
Speaker: Rosa Michaelis (Germany)

Understand and address the culturally appropriate aspects and consequences of the diagnosis of epilepsy, including stigma (LO 2.1), from the Asian perspective 08:18 - 08:36
Speaker: Venus Tang (Hong Kong)

Appropriately manage and advise regarding psychiatric emergencies (e.g. suicidal ideation) (LO 5.1.5) and recognize when to refer adult patients with psychiatric comorbidities for higher level of care (LO 2.5) 08:36 - 08:54
Speaker: W Curt LaFrance (United States)
Speaker: Milena Gandy (Australia)
Provide counseling specific to children with epilepsy and their parents regarding lifestyle matters (LO 2.9) and recognize when to refer paediatric patients with psychiatric comorbidities for higher level of care (LO 2.5)

Speaker: Avani Modi (United States)
Speaker: Janelle Wagner (United States)
Speaker: Kette Valente (Brazil)

Provide counseling and information in relation to PNES to patients and families (LO 2.10)

Speaker: Markus Reuber (United Kingdom)
Speaker: W Curt LaFrance (United States)

Other

09:30 - 11:30

Convention Hall

Presidential Symposium: Predicting the future of epilepsy

Chairs:
Chair: Samuel Wiebe (Canada)
Chair: Martin Brodie (United Kingdom)

Algorithms in clinical practice - can they really help us predict outcomes?
Speaker: Lara Jehi (United States)

Intelligent neuro-devices - present and future
Speaker: Mark Cook (Australia)

Machine learning and artificial intelligence - is the future already here?
Speaker: Philippe Ryvlin (Switzerland)

Precision medicine and epilepsy therapies of the future
Speaker: Sanjay Sisodiya (United Kingdom)

Epilepsy care in resource limited countries - what does the future hold?
Speaker: Angelina Kakooza (Uganda)

Other

10:00 - 17:00

Poster Area

Adult epileptology 1

Efficacy of EEG in anti-NMDA encephalitis
Speaker: Takayuki Kosaka (Japan)

Predictors of Psychogenic Non Epileptic Seizures (PNES) in people with epilepsy
Speaker: Nimeen Kishk (Egypt)

Effective connectivity dynamics within interictal pre-spike networks in focal epilepsy
Speaker: Stanislav Alexandru Groppa (Moldova, Republic of)
Isolated facial droop and confusion - potential markers of atypical seizures manifesting as an acute code stroke  
Speaker: Patrick Carney (Australia)

In-hospital based cohort in Chinese epilepsy center: practice of 2017 ILAE classification in etiology  
Speaker: Lu Lu (China)

Brivaracetam: a single-centre prospective UK study of effectiveness in people with epilepsy and learning disability  
Speaker: Melissa Maguire (United Kingdom)

How many more seizure remission achieved with epilepsy surgeries, in a general epilepsy cohort?  
Speaker: Si Lei Fong (Malaysia)

Protein kinase WNK3 increases in dispersed granule cells of patients with temporal lobe epilepsy  
Speaker: KYOUNG HOON Jeong (Korea, Republic of)

First unprovoked seizure and risk of recurrence applying the new definition of epilepsy of the ILAE  
Speaker: Damian Eduardo Consalvo (Argentina)

Pilomotor seizure as a presenting semiology of autoimmune LGI1 antibody limbic encephalitis  
Speaker: Dae-Won Seo (Korea, Republic of)

A case of epilepsy with seizures provoked exclusively by writing in Japanese and using sign language  
Speaker: Alexandra Belyakova-Bodina (Russian Federation)

Epilepsy care quality measures use in our specialist neurology outpatient clinics - a review of compliance rates, association with adverse epilepsy related hospitalization and seizure rates, and quality improvement interventions in a tertiary hospital in Singapore  
Speaker: Randy Poon Jun Yuan (Singapore)

Management of seizures and epilepsy in patients with vascular risk factors  
Speaker: Gordana Kiteva-Trenchevska (Macedonia, the Former Yugoslav Republic of)

Evaluation of patients after transient loss of consciousness in the emergency department  
Speaker: Ruta Mamenskiene (Lithuania)

The accuracy of the seizure description inferred from patient history and its related factors  
Speaker: Hui Gao (China)

Efficacy of ketogenic diet in adults and adolescents with uncontrolled epilepsy: a prospective open label non-randomized trial  
Speaker: Dhanashri Khedekar (India)
Basic sciences 1

**Morphological substrates of seizure onset zone in patients with post-hemorrhagic stroke epilepsy: histological and immunohistochemical studies on surgically resected cerebral tissue**
Speaker: Hajime Miyata (Japan)

**Effect of newer Anti-Epileptic Drugs (AEDs) on cognitive status in a zebrafish model of acute seizure**
Speaker: Brandon Choo Kar Meng (Malaysia)

**The impact of loss of feed-forward inhibition in the thalamo-cortical network of a mouse model of absence epilepsy**
Speaker: Beulah Leitch (New Zealand)

**The proposed multimodal mechanism of action of cannabidiol (CBD) in epilepsy: modulation of intracellular calcium and adenosine-mediated signalling**
Speaker: Colin G Stott (United Kingdom)

**Zebrafish model for acute and chronic seizure induced cognitive dysfunction**
Speaker: Mohd. Farooq Shaikh (Malaysia)

**Pilocarpine modulates HMGB1 expression in a newly developed model of chronic seizure in zebrafish**
Speaker: Yam Nath Paudel (Malaysia)

**The influence of the long term treatment with a new potent anticonvulsant hybrid compound derived from 2-(2,5-dioxopyrrolidin-1-yl) propanamide and lacosamide, a third-generation antiepileptic drug on neuroprotection and neurogenesis in mice**
Speaker: Marta Andres-Mach (Poland)

**The early oscillatory activity in human iPSC-derived neurons**
Speaker: Filip Rosa (Germany)

**A pharmacokinetic approach to herb-drug interaction between Gastrodiae Rhizoma and carbamazepine in a model of rats**
Speaker: Ka Lai Yip (Hong Kong)

**An acute swine model for reproduction of human neocortical seizures: for a preclinical trial circumstance to validate a developing neuroprosthetic device**
Speaker: Ting-Hsiang Liao (Taiwan, Republic of China)

**Automated interactive tool for reliable seizure detection in rat and mouse models of genetic and acquired epilepsies**
Speaker: Armen Sargsyan (Australia)

**Effect of memantine on pentylentetrazole-induced seizures in animal model of cortical malformation**
Speaker: Maria Elisa Calcagnotto (Brazil)
Scientific Programme

Low doses of perampanel protect striatal and hippocampal neurons against in vitro ischemia and preserve neurophysiological memory
Speaker: Elena Nardi Cesarini (Italy)

Inhibition of miRNA-129-2-3p increases risk of seizure induction in developing brain
Speaker: Petra Bencurova (Czech Republic)

Receptor trafficking and altered expression of cation-chloride cotransporter during prolonged status epilepticus
Speaker: Soojin Park (Korea, Republic of)

Clinical neurophysiology 1

Quantitative differentiation of ictal activity and chewing artifact in long-term EEG monitoring
Speaker: Mikhail Sinkin (Russian Federation)

Clinical predictors for abnormal EEG results among the hospitalized patients who have altered mental status
Speaker: Wikrom Warunyuwong (Thailand)

Increase in interictal spike frequency as a feature of brain region engagement in hippocampal dependent tasks
Speaker: Umesh Vivekananda (United Kingdom)

Correlation of EEG findings in Anti-NMDA-R encephalitis with disease severity, disease stage and patient outcomes in a tertiary hospital in the Philippines
Speaker: Franchesca Gabriel (Philippines)

Continuous EEG monitoring in Australia: a first year audit of practice 2018 of a combined hospital epilepsy program in Melbourne
Speaker: Joshua Laing (Australia)

Detection of fast (40-150 Hz) oscillations from the ictal scalp EEG data of myoclonic seizures in pediatric patients
Speaker: Katsuhiro Kobayashi (Japan)

EEG source imaging concordance with stereotactic and subdural EEG
Speaker: Benjamin Cox (United States)

Predictive values and specificity of electroencephalographic findings in autoimmune encephalitis
Speaker: Chusak Limotai (Thailand)

Active direct current shifts in intractible partial epilepsy was endorsed by pathological abnormality
Speaker: Tamaki Kobayashi (Japan)

Phenotype-genotype association in Benign adult familial myoclonus epilepsy (BAFME): eeg findings vs. repeat length
Speaker: Maya Tojima (Japan)
Machine learning for epileptic focus detection using multiband entropy-based feature-extraction method in patients with focal cortical dysplasia
Speaker: Hidenori Sugano (Japan)

Development of automated routine EEG analysis software
Speaker: Hunmin Kim (Korea, Republic of)

EEG biomarker detection and channel classification framework
Speaker: Jan Cimbalnik (Czech Republic)

Improved scalp EEG analysis for seizure lateralization derived from foramen ovale intracranial electrode recordings
Speaker: Vadym Gnatkovsky (Italy)

Analysis of phase-amplitude coupling between fast and slow oscillations in scalp electroencephalography: comparison with focal and generalized onset epileptic spasms
Speaker: Yasushi Iimura (Japan)

Comorbidities 1

Clinical features and predictors of depression in people with epilepsy (PWE)
Speaker: Richard Shek Kwan Chang (Hong Kong)

Soluble epoxide hydrolase inhibitor (sEHI) attenuates seizures and epilepsy-associated depressive behaviors via anti-inflammatory and neuroprotective effects
Speaker: Weifeng Peng (China)

Insomnia in people with epilepsy: association between insomnia symptom severity and disease-related characteristics
Speaker: Thapaee Somboon (Thailand)

The relation between enzyme-inducing antiepileptic drugs and vitamin D status, first interim analysis
Speaker: Tassanai Intravooth (Germany)

Paraneoplastic neurological syndrome (PNS): a retrospective study in a single tertiary neurology centre in Malaysia
Speaker: Sow Kuan Tee (Malaysia)

The role of sleep quality on social adjustment in people with epilepsy
Speaker: Kette Valente (Brazil)

The efficacy of different intensified regimens in HIV-negative adults with tuberculous meningitis in West China: a retrospective observational study
Speaker: Ammar Taha Abdullah Abdulaziz (China)
**Scientific Programme**

**Drug therapy 1**

- **Vitamin B6 supplementation for levetiracetam-induced behavioral side effects in Japanese patients with childhood-onset epilepsy**  
  Speaker: Yukiko Mogami (Japan)

- **Safety and efficacy of adjunctive lacosamide in Chinese and Japanese adult epilepsy patients with focal seizures: interim data from an open-label extension trial**  
  Speaker: Yushi Inoue (Japan)

- **Haruan (Channa striatus) extract modulates post-seizure inflammatory response in a zebrafish model**  
  Speaker: Vanessa Lin Lin Lee (Malaysia)

- **Long-term safety and efficacy of add-on cannabidiol (CBD) treatment in patients with Dravet syndrome in an open-label extension trial (GWPCARE5)**  
  Speaker: Rima Nabbout (France)

- **Long-term safety and efficacy of add-on cannabidiol (CBD) treatment in patients with Lennox-Gastaut syndrome in an open-label extension trial (GWPCARE5)**  
  Speaker: Richard Chin (United Kingdom)

- **Time to onset of efficacy of cannabidiol (CBD) during titration in patients with Lennox-Gastaut syndrome or Dravet syndrome enrolled in three randomised controlled trials**  
  Speaker: Maria Mazurkiewicz-Beldzinska (Poland)

- **Effects of enzyme-inducing antiepileptic drugs for the bone densities of individuals with severe motor and intellectual disabilities**  
  Speaker: Takashi Ichiyama (Japan)

- **PF-06372865, an α2/3/5-subtype selective GABA<sub>A</sub> partial positive allosteric modulator has promising efficacy in the photosensitivity model**  
  Speaker: Jacqueline French (United States)

- **Subgroup analysis on outcomes of adjunctive brivaracetam in levetiracetam-experienced and levetiracetam-naïve patients in a real-world setting: second interim analysis of the non-interventional, observational, multinational BASE study**  
  Speaker: Bernhard Steinhoff (Germany)

- **Assessment of the correlations of perampanel concentrations in saliva and plasma in patients with epilepsy**  
  Speaker: Eun Young Kim (Korea, Republic of)

- **First-line perampanel added to monotherapy in patients with partial-onset seizures, with or without secondary generalised seizures: a multicentre, open-label, prospective cohort study**  
  Speaker: Dong Wook Kim (Korea, Republic of)
Long-term rufinamide efficacy and association with phenotype and genotype in children with intractable epilepsy: a retrospective single center study  
Speaker: Xiuhua Bozarth (United States)

Efficacy and tolerability of add-on perampanel in pharmacoresistant epilepsy: a 48-week longitudinal study  
Speaker: Sung-Pa Park (Korea, Republic of)

Perampanel real world experience: efficacy and safety in indian patients with uncontrolled epilepsy  
Speaker: Vinay Kumar Agarwal, (India)

Effect of Ocimum sanctum on kindling model of epilepsy in comparison to levetiracetam  
Speaker: Sudhir Chandra Sarangi (India)

Treatment with Z944, a T-type calcium channel antagonist, reduces pharmacoresistance to anti-seizure drugs in a rat model of drug-resistant temporal lobe epilepsy  
Speaker: Pablo Casillas-Espinosa (Australia)

Efficacy and usefulness of lacosamide in early add-on and monotherapy for patients with epilepsy  
Speaker: Tomohiro Yamazoe (Japan)

Inhaled alprazolam rapidly suppresses epileptic activity in photosensitive patients  
Speaker: Jacqueline French (United States)

Factor related to cerebellar atrophy in epilepsy patients  
Speaker: Tanita Sangpeamsook (Thailand)

Drug-drug interaction studies (DDIs) with coadministration of cannabidiol (CBD) and clobazam (CLB), valproate (VPA), stiripentol (STP), or midazolam (MDZ) in healthy volunteers (HVTs) and adults with epilepsy  
Speaker: Gilmour Morrison (United Kingdom)

Effect of antiepileptic drugs on sexual and reproductive endocrine function in men with epilepsy  
Speaker: Parampreet Kharbanda (India)

The long-term effects of dibenzazepines on plasma sodium and lipid concentrations, blood cell count and liver function: a real-world, retrospective comparison of carbamazepine, oxcarbazepine and eslicarbazepine acetate  
Speaker: Miguel Ley (Spain)

Long-term retention on adjunctive brivaracetam in adults with focal seizures previously exposed to carbamazepine, lamotrigine, levetiracetam or topiramate: a post-hoc analysis  
Speaker: Cédric Laloyaux (Belgium)

Risk of anti-epileptic drug related adverse effects in veterans with medically refractory epilepsy  
Speaker: Alexander Crossley (United States)
Scientific Programme

Epidemiology 1

Aetiology of first onset seizures in life presenting in the medical emergency room: remember psychogenic non-epileptic seizures too in the list
Speaker: SOAHAM DESAI (India)

Epilepsy-related deaths are a major public health problem: results from a national study using linked administrative health data to determine the burden of epilepsy-related deaths and the proportion that are potentially avoidable
Speaker: Gashirai K Mbizvo (United Kingdom)

Epidemiological characteristics on infantile spasms in upper and lower Egypt
Speaker: Ibrahim Shoukry (Egypt)

Prevalence of adult epilepsy in a general Japanese population: the Hisayama study
Speaker: Akihiro Tanaka (Japan)

Validation of the Indian version of Neurological Disorders Depression Inventory for Epilepsy (NDDI-E)
Speaker: Haroon Rashid (India)

Socioeconomic and demographic factors associated with all-cause mortality among incident cases of epilepsy in Saskatchewan, Canada
Speaker: Lizbeth Hernandez Ronquillo (Canada)

Incidence and prevalence of epilepsy and childhood epileptic syndromes in a medical program
Speaker: Marina Aberastury (Argentina)

Epilepsy in severely resource-restricted settings 1

Establishment of Clinical Practice Guideline (CPG) to optimizing the pediatric seizure patients’ routine investigation in limited resources country
Speaker: Vitchayaporn Emarch Saengow (Thailand)

Survey on public awareness, understanding, and attitude toward epilepsy in the Garze Tibetan Autonomous Prefecture
Speaker: Dong Zhou (China)

Long-term patient outcomes from an epilepsy outreach clinic in India
Speaker: Chintan Prajapati (India)

Symptomatic seizure and epilepsy after anterior circulation ischemic stroke at Siriraj hospital, a tertiary hospital in Thailand
Speaker: Pornsawan Mekhasingharak (Thailand)
EEG abnormalities in critically ill children admitted to a pediatric intensive care unit in North India and their diagnostic, therapeutic and prognostic implications
Speaker: Prateek Kumar Panda (India)

Challenges in providing Ketogenic Dietary therapies in treatment of childhood drug resistant epilepsy to caregivers with low level of literacy and poor socioeconomic status in resource constrained settings and the innovative measures adapted to overcome these hurdles in a North Indian teaching hospital over last twelve years
Speaker: Prateek Kumar Panda (India)

Epilepsy surgery 1

Surgical treatment patients with drug-resistant unilateral MR-positive temporal forms of epilepsy
Speaker: Mikhail Sinkin (Russian Federation)

Underutilization of epilepsy surgery in ASEAN
Speaker: Minh-An Thuy Le (Viet Nam)

Seizure outcomes after surgical treatment in frontal lobe epilepsy
Speaker: Worakanya Thongnuch (Thailand)

Cost effectiveness analysis of epilepsy surgery in children and adolescents with drug resistant focal epilepsy in a tertiary care university hospital in Thailand
Speaker: Kingthong Anurat (Thailand)

Appropriating surgical intervention in mesial temporal-lobe epilepsy patients: comparison of parameters influencing timing of surgery in patients with epilepsies with different evidence levels for surgery
Speaker: Koji Iida (Japan)

The association between seizure outcome and interpersonal communication skills in vagus nerve stimulation
Speaker: Masaya Katagiri (Japan)

The non-dysplastic temporal pole in patients with drug resistant temporal lobe epilepsy and hippocampal sclerosis: neuropathopathology and clinical aspects
Speaker: Silvia Kochen (Argentina)

Factors influence successful antiepileptic drugs reduction after anterior temporal lobectomy in mesial temporal lobe epilepsy with hippocampal sclerosis
Speaker: Supachai Merdthaisong (Thailand)

Factors affecting neuropsychological outcome for temporal lobe epilepsy with hippocampal sclerosis
Speaker: Pasin Prasongwatana (Thailand)
Scientific Programme

**Forty EEG electrode array for long-term video-EEG monitoring**
Speaker: Lærke Dunkan (Denmark)

**Pre-surgical evaluation of stereo EEG recordings with high frequency oscillations**
Speaker: Nikita Utyashev (Russian Federation)

**Stereoelectroencephalography in child and adults: outcomes and predictive factors in our epilepsy surgery programme**
Speaker: Marina Aberastury (Argentina)

**Predictive value of preoperative magnetoencephalography (MEG) for seizure outcome in surgery of long term epilepsy associated tumors**

**Reoperation in failed epilepsy surgery using MEG, neuronavigation and intraoperative MR Imaging**

**Genetics 1**

**Whole exome sequencing in infantile-onset pharmaco-resistant epilepsy: novel mutations and clinically actionable variants**
Speaker: Ponghatai Damrongphol (Thailand)

**Two cases of a novel missense mutation in the aristaless-related homeobox (ARX) gene presenting with severe epilepsy, psychomotor delay and movement disorders**
Speaker: Irina Ivanova (Russian Federation)

**A novel SCN2A mutation in neonate presented with lidocaine responsive early-onset epileptic encephalopathy**
Speaker: Wiralpat Padungmaneesub (Thailand)

**A case report of infant with KCNT1 mutation with MAPCA with successful embolization treatment**
Speaker: Tanitnun Paprad (Thailand)

**Genetic variants in incident SUDEP cases from a large community-based cohort in China: a whole exon sequencing study**
Speaker: Yan Ge (China)

**Behind the SeizureTM: a no-cost, 125-gene epilepsy panel for pediatric seizure onset between 2 and 4 years**
Speaker: Fernanda Leal (United States)

**Expanding the clinical spectrum of WWOX encephalopathy**
Speaker: Karen Louise Oliver (Australia)

**Progressive myoclonic epilepsy as a presentation of spinocerebellar ataxia type 17**
Speaker: Apisit Boongird (Thailand)
Case report of a Thai patient with new variant of KCNT1 gene mutation in epilepsy of infancy with migrating focal seizure
Speaker: Kamornwan Katanyuwong (Thailand)

Neuroimaging 1

Imaging of brain metabolism using a novel MRI technique and correlation with FDG-PET
Speaker: David Spencer (United States)

Meta-analysis assessing concordance between the Wada Test and functional magnetic resonance imaging for memory lateralization in temporal lobe epilepsy
Speaker: Andreu Massot-Tarrús (Spain)

Reduction rate, overall reduction of anticonvulsants, and use of sodium-channel blockers predict focal cytotoxic edema of the corpus callosum: a matched case-control MRI analysis
Speaker: Johann Philipp Zöllner (Germany)

Impaired hippocampal functional connectivity in patients with drug-resistant generalized tonic-clonic seizures
Speaker: Zhongyuan Wang (China)

White matter involvement in mild Mesial Temporal Lobe Epilepsy: a cross-sectional and longitudinal MRI study
Speaker: Angelo Labate (Italy)

Machine learning for identifying functional connectivity MRI alterations in temporal lobe epilepsy
Speaker: Taha Gholipour (United States)

Probabilistic mapping of thalamic nuclei atrophy in idiopathic generalised epilepsy
Speaker: Ya-Chin Chen (United Kingdom)

Automated hippocampal segmentation from MRI in paediatric epilepsy patients
Speaker: Sjoerd Vos (United Kingdom)

Multimodal non-invasive evaluation in MRI-negative operculo-insular epilepsy
Speaker: Shan Wang (China)

Eye blink removal of epileptic EEG signal using wavelet method toward epileptogenic zone localization
Speaker: Kheng Seang Lim (Malaysia)

Diagnostic yield of FDG-PET/MRI co-registration in MRI-negative refractory focal epilepsy
Speaker: YAO Ding (China)
The gray matter variation of the right temporal pole correlates with the cognitive function in temporal lobe epilepsy patients
Speaker: Yang Cai (China)

[11C] MPDX PET imaging of adenosine A1 receptors in mesial temporal lobe epilepsy patients
Speaker: Motoki Inaji (Japan)

Efficacy of a novel marker of neuroinflammation in focal epilepsy
Speaker: Kuriko Kagitani-Shimono (Japan)

PET-MRI superior to MRI in the diagnostic value of tuberous sclerosis patients with epilepsy
Speaker: Yang Cai (China)

Hippocampal shape alterations are associated with pre- and postsurgical verbal and visual memory deficits in temporal lobe epilepsy
Speaker: Marian Galovic (United Kingdom)

7 Tesla hippocampal subfield analyses in patients with medically refractory epilepsy and hippocampal sclerosis

Neurostimulation 1

Cerebral blood flow differences between high- vs low-frequency VNS therapy in the epileptic baboon
Speaker: Charles Akos Szabo (United States)

Does vagus nerve stimulation modulate the immune response and the cholinergic anti-inflammatory pathway in a pediatric cohort with drug-resistant epilepsy
Speaker: Daniele Grioni (Italy)

Anticonvulsive effect of anterior thalamic deep brain stimulation in superrefractory status epilepticus crucially depends on active stimulation zone - a single case observation
Speaker: Lukas L Imbach (Switzerland)

Multi-modal intraoperative electrophysiological mapping of the anterior nucleus of the thalamus in refractory epilepsy
Speaker: Lukas L Imbach (Switzerland)

Endopiriform nucleus deep brain stimulation attenuates cobalt wire-induced chronic epilepsy in rats
Speaker: Xiaofeng Yang (China)

Super refractory status epilepticus in a patient with Lafora disease treated with vagus nerve stimulation
Speaker: Barbara Mostacci (Italy)

Hungarian experiences in ANT DBS therapy at University of Pecs
Speaker: Beáta Bóné (Hungary)
Paediatric epileptology 1

A child with reflexogenic atonic seizures: the implication of the mesial frontal area and the frontostriatal tract in producing atonic seizures
Speaker: Richard Tang-Wai (United States)

Vagus nerve stimulation in the pediatric population
Speaker: Ana Suller Marti (Canada)

Benign Focal Epileptiform Discharges of Childhood are not specific patterns for epilepsy
Speaker: Kvaskova Nadezhda (Russian Federation)

In vivo, in vitro and in silico correlations in SCN1A missense mutations
Speaker: Andreea Nissenkorn (Israel)

Can methylprednisolone be used in the treatment of infantile spasms?
Speaker: Tatuana Okhapkina (Russian Federation)

Predictors of drug-resistant epilepsy in children with epilepsy in Children’s Hospital 2
Speaker: Thi Hoang Mai Trang (Viet Nam)

Etiology and clinical characteristic of new-onset seizure presenting as status epilepticus
Speaker: Marija Knezevic Pogancev (Serbia)

Seizure control via immunotherapy in combination with antiepileptic monotherapy in chronic mesial temporal lobe epilepsy (TLE) secondary to limbic encephalitis with antibodies against glutamic acid decarboxylase (GAD): a case report
Speaker: Irina Ivanova (Russian Federation)

Perampanel in children with focal epilepsy: which factors may influence its efficacy?
Speaker: Marina Nikanorova (Denmark)

Unusual cause of genetic refractory epilepsy due to NEXMIF gene (KIAA2022): report of the first case in Argentina
Speaker: Walter Horacio Silva (Argentina)

Adjunctive perampanel in paediatric patients with epilepsy: population pharmacokinetic (PK) and exposure-response analyses
Speaker: Larisa Reyderman (United States)

A triad of infantile spasms, nystagmus and a focal tonic seizure
Speaker: Thuy Minh Thu Nguyen (Viet Nam)

Risk of epilepsy in children with prior febrile seizures: a predictive model
Speaker: Hieu Anh Bui (Viet Nam)

Worldwide short course education programmes in epilepsy for paediatrics - are they effective?
Speaker: Jo Wilmshurst (South Africa)
Efficacy of standard, modified and amplitude integrated EEG electrode placement in infants to detect epileptiform abnormalities  
Speaker: Sajeesh Parameswaran (India)

Epilepsy with centrotemporal spikes following benign familial neonatal epilepsy resulting from a mutation of SCN2A gene  
Speaker: Despoina Mandelenaki (Belgium)

Tolerability of perampanel and effects on executive function in children and adolescents with drug-resistant epilepsy: preliminary result  
Speaker: Francesca Felicia Operto (Italy)

Adjunctive perampanel in patients with childhood onset refractory epilepsy in a Korean  
Speaker: Hyunji Ahn (Korea, Republic of)

Utility of electroencephalography in the diagnosis of anti-NMDAR encephalitis in toddlers: a case series  
Speaker: Priya Tatachar (United States)

Economical impact of epilepsy of children in two epilepsy units of two teaching hospitals in Sri Lanka  
Speaker: Loku Marakkala Manurie Mandula Chandraratne (Sri Lanka)

A switch to poly-unsaturated fatty acid based ketogenic diet improves seizure control in patients with refractory epilepsy on the classic ketogenic diet- a retrospective open label trial  
Speaker: Dhanashri Khedekar (India)

Following epilepsy in ten years from febrile seizures based on National Registry Data  
Speaker: Chung Hyuk Yim (Korea, Republic of)

Epilepsy in a pediatric Down syndrome patient with moyamoya disease: a case report  
Speaker: Retno Jayantri Ketaren (Indonesia)

Clinical-electroencephalographic aspects to children with Angelman syndrome  
Speaker: Cornelia Calcii (Moldova, Republic of)

Development of comprehensive care program for children and adolescents with epilepsy  
Speaker: Raviwan Wttawassamrankul (Thailand)

Comparison of diagnostic efficacy of short term sleep and awake video EEG to detect epileptiform abnormalities in various childhood epilepsy syndromes aged 5-18 years on first EEG recording  
Speaker: Sachendra Badal (India)

The importance of long-term epilepsy transition clinics  
Speaker: Karen Mabilangan (Canada)
Scientific Programme

Social issues / Nursing 1

Knowledge level of nurses and midwives about epilepsy and its relation to experience duration and participation in epilepsy seminar at Educational Hospital, Palu, Indonesia
Speaker: Wijoyo Halim (Indonesia)

Attitude and knowledge of epilepsy among teachers and students after educational epilepsy session in Bangkok, Thailand
Speaker: Apimid Rojanawatsirivej (Thailand)

Socioeconomic profile and impact of drug-resistance in an adult cohort from a tertiary care center in South India
Speaker: Aparajita Chatterjee (India)

Burden and quality of life among caregivers of children with epilepsy attending child neurology clinic of a tertiary care center at Eastern Nepal
Speaker: Rita Pokharel (Nepal)

Culture-bound epilepsy? Patients’ explanatory models (EMs) about epilepsy in Argentina
Speaker: Silvia Kochen (Argentina)

A survey of epilepsy knowledge, attitudes and practice in school-aged children in Bangkok, Thailand
Speaker: Tidaporn Manmen (Thailand)

Knowledge and attitudes toward epilepsy among Japanese nursing teachers
Speaker: Kiyohito Terada (Japan)

Factors associated with seizure-related motor vehicle accidents among patients with epilepsy in West China
Speaker: Dong Zhou (China)

Improving family education prior to a paediatric epilepsy monitoring unit admission
Speaker: Michelle Kregel Gratton (Canada)

Status epilepticus 1

Outcome of ketogenic diet therapy in South Indian children with febrile infection related epilepsy syndrome (FiRES)
Speaker: Vinayan Puthenveettil (India)

High short-term status epilepticus associated mortality among children in Kano, Nigeria
Speaker: Umar Sabo (Nigeria)
Scientific Programme

In-hospital mortality of status epilepticus in China: a nationwide assessment
Speaker: Lu Lu (China)

Focal myoclonic status epilepticus in Kozhevnikov-Rasmussen encephalitis
Speaker: Nadezhda Kvaskova (Russian Federation)

Nonconvulsive status epilepticus manifesting as catatonia or stupor: a systematic review
Speaker: Kamiyu Ogyu (Japan)

Predictors of outcomes in status epilepticus
Speaker: Rasitaporn Rasitanon (Thailand)

Status epilepticus in epilepsy monitoring unit (EMU): incidence and predictors
Speaker: Jitupam Baishya (India)

Women’s issues

Treatments for peri-menstrual seizures in catamenial epilepsy
Speaker: Melissa Maguire (United Kingdom)

Comparison of physical fitness, reproductive status and quality of life in women with epilepsy on antiepileptic drugs
Speaker: Sudhir Chandra Sarangi (India)

The prevalence and risk factors of polycystic ovarian syndrome in women with epilepsy in western China
Speaker: Lei Chen (China)

Efficacy and safety of the newest antiepileptic drugs: observations from the Russian Register of Pregnancy and Epilepsy
Speaker: Kristina Yakovleva (Russian Federation)

The association between gestational age and risk of epilepsy: an updated systematic review
Speaker: Wanling Li (China)

Vagus nerve stimulation during pregnancy
Speaker: Ana Suller Marti (Canada)

Female epilepsy from a position of reproductive medicine
Speaker: Galina Odintsova (Russian Federation)

Gender epidemiological aspects of status epilepticus in the female epilepsy
Speaker: Galina Odintsova (Russian Federation)

The characteristics of social adaptation in reproductive-aged women with epilepsy and migraine
Speaker: Galina Odintsova (Russian Federation)
Children of mothers with genetic generalized epilepsy with fetal valproate syndrome: a series from a Brazilian epilepsy center
Speaker: Ana Carolina Zetehaku (Brazil)

The relationships between seizure type, seizure frequency and Anti-Mullerian Hormone
Speaker: Wanlin Lai (China)

A registry of maternal and fetal outcomes in pregnant women with epilepsy from Pakistan
Speaker: Qamar Zaman (Pakistan)

**Epilepsy in the elderly**

Comparison of new-onset and persistent epilepsy in the elderly
Speaker: Dong Wook Kim (Korea, Republic of)

Visualizing the epileptic activity in post-stroke epilepsy using the postictal subtraction SPECT: sub-analysis of PROgnosis of POst Stroke Epilepsy (PROPOSE) study
Speaker: Kazuki Fukuma (Japan)

Clinical characteristics associated with non-convulsive seizure in poststroke epilepsy: sub-analysis of PROgnosis of POst Stroke Epilepsy (PROPOSE) study
Speaker: Shuhei Ikeda (Japan)

PROgnosis of POst Stroke Epilepsy (PROPOSE) study - baseline data
Speaker: Kazuki Fukuma (Japan)

Neurorehabilitation outcomes of post-stroke patients with and without early post-stroke seizures
Speaker: Francis Fezeu (Germany)

Perampanel as an adjunctive therapy in elderly patients with epilepsy
Speaker: Mei-Yun Cheng (Taiwan, Republic of China)

Seizure incidence and response to anti-epileptic drugs in patients with Alzheimer’s disease-associated seizures and epilepsy: a systematic review
Speaker: Anna Marielle Dy (Philippines)

A case of late onset idiopathic generalized epilepsy presenting as de-novo non-convulsive status epilepticus
Speaker: Muhammad Bhatti (United States)
Scientific Programme

11:30 - 12:30

ILAE-YES Exhibition

ILAE-YES Brainstorming Session: Will artificial intelligence and machine learning replace the epileptologist? Computer intelligence in epilepsy

Chairs:
Chair: Vadym Gnatkovsky (Italy)

Integrated: pathophysiology/clinical/social
12:00 - 13:30

Autoimmune epilepsies - mechanisms, clinical spectra and treatment

Chairs:
Chair: Christian Bien (Germany)
Chair: Sarosh Irani (United Kingdom)

- **Epilepsy and seizures in systemic autoimmune disorders**
  Speaker: Jeffrey Britton (United States)
  12:00 - 12:20

- **Clinical features and seizures semiologies in patients with LGI1, CASPR2 and NMDAR-antibodies**
  Speaker: Sarosh Irani (United Kingdom)
  12:20 - 12:40

- **Clinical scoring systems in identifying autoimmune epilepsy and selection of patients for treatment**
  Speaker: Andrew McKeon (United States)
  12:40 - 13:00

- **What are NORSE and FIRES?**
  Speaker: Russell Dale (Australia)
  13:00 - 13:20

Other
12:00 - 14:00

Biological rhythms that modulate the risk of seizures

Chairs:
Chair: Aristea Galanopoulou (United States)
Chair: Christophe Bernard (France)

- **Rhythms modulating seizure risk in human epilepsies**
  Speaker: Maxime Baud (Switzerland)
  12:00 - 12:30

- **Circadian control of seizures and seizure forecasting**
  Speaker: Philippa Karoly (Australia)
  12:30 - 13:00

- **Circadian regulation in the pathophysiology and treatment of temporal lobe seizures**
  Speaker: Christophe Bernard (France)
  13:00 - 13:30

- **Loss of CLOCK underlies focal epilepsies**
  Speaker: Judy Liu (United States)
  13:30 - 14:00
Paediatrics
12:00 - 13:30
Lotus 1-4

Small patients - big challenges: neonatal seizures

Chairs:
Chair: Suwannee Phancharoen (Thailand)
Chair: Ronit Pressler (United Kingdom)

- Neonatal seizures - gaps in knowledge
  Speaker: Stéphane Auvin (France)
  12:00 - 12:22

- ILAE classification of neonatal seizures
  Speaker: Ronit Pressler (United Kingdom)
  12:22 - 12:44

- Update of neonatal seizure guidelines
  Speaker: Hans Hartmann (Germany)
  12:44 - 13:06

- Treatment of neonatal seizures, where are we now?
  Speaker: Angelina Kakooza (Uganda)
  13:06 - 13:28

Clinical
12:00 - 13:30
Lotus 5-7

Key neuropyschiatric issues in epilepsy in a neurological clinical setting

Chairs:
Chair: Kousuke Kanemoto (Japan)
Chair: Michael Kerr (United Kingdom)

- Clinical assessment of the key psychiatric comorbidities in adults with epilepsy
  Speaker: Michael Kerr (United Kingdom)
  12:00 - 12:22

- Clinical assessment of the key psychiatric comorbidities in children with epilepsy
  Speaker: Kette Valente (Brazil)
  12:22 - 12:44

- Suicide in epilepsy - from ideation to planning - how can a neurologist address and help to prevent?
  Speaker: Jakob Christensen (Denmark)
  12:44 - 13:06

- Treating psychiatric disorders in people with epilepsy: what do we really know?
  Speaker: Kousuke Kanemoto (Japan)
  13:06 - 13:28

Social Issues
12:00 - 13:30
Ballroom C

Making an impact by empowering persons with epilepsy

Chairs:
Chair: Mary Secco (Canada)
Chair: Francesca Sofia (Italy)
Scientific Programme

I am an advocate 12:00 - 12:22
Speaker: Shenaz Haveliwala (India)

The power of engagement campaigns 12:22 - 12:44
Speaker: Philip Gattone (United States)

Impact of partnering for research 12:44 - 13:06
Speaker: Francesca Sofia (Italy)

Impacting policy and legislation 13:06 - 13:28
Speaker: Meredith Fendt-Newlin (Switzerland)

Other
15:00 - 15:30

'Epileptic Disorders' Educational Prize
Chairs:
Chair: Alexis Arzimanoglou (France)
Chair: Sándor Beniczky (Denmark)

Epileptic seizure semiology in different age groups 15:00 - 15:10
Speaker: Guadalupe Fernandez-Baca Vaca (United States)

Paediatrics
15:30 - 16:30

Paediatrics 1
Chairs:
Chair: Jo Wilmshurst (South Africa)
Chair: Marilisa Guerreiro (Brazil)

Translation and validation of the Thai version of health-related quality of life measure for children with epilepsy (CHEQOL-25) 15:30 - 15:45
Speaker: Natcha Lueangapapong (Thailand)
Scientific Programme

15:45 - 16:00
Memory impairments in children with new-onset localization related epilepsy
Speaker: Carolina Ciumas (France)

Prevention of epilepsy and its comorbidities in tuberous sclerosis complex
Speaker: Lieven Lagae (Belgium)

Azathioprine therapy in Rasmussen syndrome: a single-centre experience
Speaker: Serena Pellegrin (Italy)

Clinical
15:30 - 16:30
Ballroom AB

Comorbidities

Chair: Yotin Chinvarun (Thailand)
Chair: Reetta Kälviäinen (Finland)

Between neurology and psychiatry´s frontiers: a neuroimaging volumetric study of mesial temporal lobe epilepsy with hippocampal sclerosis and comorbid lifetime depression
Speaker: Nathália Stela Visoná de Figueiredo (Brazil)

Statin treatment can reduce incidence of early seizure in acute ischemic stroke: a propensity score analysis
Speaker: Soichiro Matsubara (Japan)

Profoundly impaired white matter integrity and brain networks in temporal lobe epilepsy with psychosis: a diffusion MRI study
Speaker: Daichi Sone (United Kingdom)

Prevalence of neuronal autoantibodies in chronic epilepsy
Speaker: Fernando Cendes (Brazil)

Other
15:30 - 16:30
Lotus 1-4

Neurophysiology

Chair: Jaideep Kapur (United States)
Chair: Richard Wennberg (Canada)

Contribution of cognitive tasks to routine EEG
Speaker: Patricia Braga (Uruguay)

EEG as a prognostic marker in autoimmune encephalitis
Speaker: Poornima Narayanan Nambari (India)

Intrinsic electrophysiological property and seizure network of hypothalamic hamartoma in vivo
Speaker: Di Wang (China)
Seizure semiology and EEG features in limbic encephalitis with anti-LGI1 antibodies: a multicenter observational cohort study
Speaker: Sara Matricardi (Italy)

16:15 - 16:30

Psychosocial issues 1

Chairs:
Chair: Lilia Nuñez (Mexico)
Chair: Li Min Li (Brazil)

Quality indicators for epilepsy management in China: the development of a tool to improve care
Speaker: Weixi Xiong (China)
15:30 - 15:45

Mindfulness-based intervention to promote psychological wellbeing in people with epilepsy (PWE): a preliminary report of a randomized crossover study
Speaker: Siew Tim Lai (Malaysia)
15:45 - 16:00

Prevalence and incidence of epilepsy in three regions of Nigeria: a cross-sectional door-to-door survey
Speaker: Musa Mamman Watila (United Kingdom)
16:00 - 16:15

Availability of antiepileptic drugs: international survey from the ILAE Access to Treatment Task Force
Speaker: Virginia Pironi (Italy)
16:15 - 16:30

Genetics 1

Chairs:
Chair: Sanjay Sisodiya (United Kingdom)
Chair: Danielle Andrade (Canada)

Genetic landscape of malformations of cortical development with refractory epilepsy in Taiwan
Speaker: Yo-Tsen Liu (Taiwan, Republic of China)
15:30 - 15:45

Repeat expansion disorders enriched in an Australian and New Zealand Epi25 Year 1 epilepsy cohort
Speaker: Mark F Bennett (Australia)
15:45 - 16:00

Generalized tonic seizures with autonomic signs are the hallmark of SCN8A developmental and epileptic encephalopathy
Speaker: Marina Trivisano (Italy)
16:00 - 16:15

Genetic heterogeneity in Landau-Kleffner syndrome
Speaker: Adeline Ngoh (United Kingdom)
16:15 - 16:30
ILAE-YES Career Development Session: How to write an effective abstract

Chairs:
Chair: Sjoerd Vos (United Kingdom)

Individualized medicine for persons with epilepsy and intellectual disability - are we already there?

Among persons with epilepsy, those with an intellectual disability (ID) constitute an important sub-population. There is a wide agreement that they have special needs that are nowadays often insufficiently catered for (Kerr, Linehan et al. 2014). The course of epilepsy is often quite severe in these patients, sensitivity to antiepileptic drug side effects is high, and there is a burden of behavioral comorbidities (Kerr, Linehan et al. 2016). On the other hand, there has been major progress in diagnostic methods, e.g. in genetics, and therapeutic approaches build on these improvements. We work currently between two poles: Do we see persons with epilepsy and ID as a rather homogeneous group, or have we already achieved a personalized approach, or is it something in between?

Members of the ILAE ID task force will address topics with impulse lectures and open a discussion with the auditory. Panelists, also from the ID task force, will facilitate the discussion. We can build on the experience from previous symposia at international meetings which have regularly attracted a number of experts with a special interest in ID. This will lead to a broad discussion and enable an exchange of knowledge influencing the participants’ clinical practice.

Chairs:
Chair: Christian Brandt (Germany)
Chair: Michael Kerr (United Kingdom)

- **General needs of persons with epilepsy and ID: AED treatment**
  Speaker: Francis Tan (Netherlands)  
  **17:00 - 17:18**

- **General needs of persons with epilepsy and ID: behavioral issues**
  Speaker: Kousuke Kanemoto (Japan)  
  **17:18 - 17:36**

- **First steps to personalized drug treatment in persons with epilepsy and ID**
  Speaker: Christian Brandt (Germany)  
  **17:36 - 17:54**

- **Epilepsy surgery in persons with ID is personalized treatment**
  Speaker: Candan Gurses (Turkey)  
  **17:54 - 18:12**

- **Panel**
  Speaker: Danielle Andrade (Canada)  
  Speaker: Laura Guilhoto (Brazil)  
  Speaker: Michael Kerr (United Kingdom)  
  **18:12 - 18:30**
Scientific Programme

Women issues

Chairs:
Chair: Kimford Meador (United States)
Chair: Sanjeev Thomas (India)

Case: A case of resistant Juvenile myoclonic epilepsy in a women of child-bearing age group
Speaker: Ravish Keni (India)
17:00 - 17:18

Case: Severe seizure worsening in the peri-partum and post-partum period in a patient with juvenile myoclonic epilepsy
Speaker: Barbara Mostacci (Italy)
17:18 - 17:36

Case: Pharmacological treatment of young female patient with epilepsy and bipolar disorder
Speaker: Gordana Kiteva-Trenchevska (Macedonia, the Former Yugoslav Republic of)
17:36 - 17:48

Should laser interstitial thermal ablation be the treatment of first choice for patients with mesial temporal sclerosis?

Chairs:
Chair: Shih Hui Lim (Singapore)

Yes
Speaker: Michael Sperling (United States)
17:00 - 17:30

No
Speaker: Mario Alonso Vanegas (Mexico)
17:30 - 18:00

Can we rely upon fMRI to localize language and memory when planning epilepsy surgery?

Have put the Debates as 'Other' category

Chairs:
Chair: Graeme Jackson (Australia)

Yes
Speaker: Paolo Federico (Canada)
17:00 - 17:20

No
Speaker: Meneka Sidhu (United Kingdom)
17:20 - 17:40
Advocacy for epilepsy policies and programmes

Speakers in this session will talk about advocacy to increase funding for epilepsy services, and adoption of better policies for people with epilepsy. They will share information about strategies, synergies and challenges. Information will be shared about how other regions have managed to scale up services for people with epilepsy.

**Chairs:**
Chair: Jacob Mugumbate (Australia)

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td><strong>Strategies for advocacy</strong></td>
<td>17:00 - 17:22</td>
<td>Mary Secco (Canada)</td>
</tr>
<tr>
<td><strong>Research evidence supporting advocacy</strong></td>
<td>17:22 - 17:44</td>
<td>Ding Ding (China)</td>
</tr>
<tr>
<td><strong>Targeting policy makers</strong></td>
<td>17:44 - 18:06</td>
<td>Philip Gattone (United States)</td>
</tr>
<tr>
<td><strong>How to get funding for your programs</strong></td>
<td>18:06 - 18:28</td>
<td>Graeme Shears (Australia)</td>
</tr>
</tbody>
</table>
33rd International Epilepsy Congress (IEC) in Bangkok
June 22-26, 2019

Scientific Programme

Monday, 24 June 2019

Novel insights into NMDA receptors in epilepsy: exciting times ahead

Traditionally, NMDA-receptor overactivation was thought to cause seizures. This simplistic view is being challenged by emerging evidence from both clinical and basic science pointing to an ictogenic potential of NMDA-receptor hypofunction. This forum will explore this paradigm shift with recent evidence from neuroimaging, genetics, immunology, and basic science. During the discussion we will seek to determine future directions to develop a unified framework of the dual role of NMDA-receptors in ictogenesis and epileptogenesis.

Chairs:
Chair: Matthias Koepp (United Kingdom)

GRIN genes affecting patient variants analyzed in 3D protein structure context
Speaker: Dennis Lal (Germany)
08:00 - 08:22

NMDA receptors in ictogenesis, epileptogenesis and seizure-related neuronal death - a double-edged sword
Speaker: Matthew Walker (United Kingdom)
08:22 - 08:44

Imaging NMDA receptors in-vivo in people with epilepsy
Speaker: Marian Galovic (United Kingdom)
08:44 - 09:06

Clinical and laboratory evidence for NMDA receptor specific modulation by NMDAR-antibodies
Speaker: Sarosh Irani (United Kingdom)
09:06 - 09:28

Video session: is this epilepsy or not?

Video-session: is this epilepsy or not?
Speaker: Jo Wilmshurst (South Africa)
Speaker: Hal Blumenfeld (United States)
Speaker: Ivan Rektor (Czech Republic)
08:00 - 09:30

Autoimmune epilepsy - clinical diagnosis and treatment: a practical approach

Chairs:
Chair: Jeffrey Britton (United States)

Clinical clues
Speaker: Avi Gadoth (Israel)
08:00 - 08:22
Scientific Programme

**EEG features**
Speaker: Xia-Qui Shao (China)  
08:22 - 08:44

**Radiologic findings**
Speaker: Andrew McKeon (United States)  
08:44 - 09:06

**What’s the score? Aids to diagnosis and treatment**
Speaker: Jeffrey Britton (United States)  
09:06 - 09:28

**EEG source imaging - part two: hands-on**
Speaker: Stefan Rampp (Germany)  
Speaker: Sándor Beniczky (Denmark)  
08:00 - 09:30

This course is supported by an unrestricted educational grant from Besa. The company has no input in the structure or content of, or speakers at, the teaching course.

**ILAE North America - Gaps and opportunities for collaboration (education, care, research, global health) in the region**

This will be a session where we will examine cross regional collaborations and initiatives in the areas of education, care, research and global health. The speakers will address gaps in the North American region (all 3 chapters) and opportunities for cross chapter collaboration.

**Chairs:**
Chair: Nathalie Jette (United States)

**Epilepsy education in the North American region - existing opportunities**
Speaker: Jaideep Kapur (United States)  
08:00 - 08:22

**Epilepsy care - current state in the region and gaps to be filled**
Speaker: Amza Ali (Jamaica)  
08:22 - 08:44

**Epilepsy research in North America - how to enhance collaborative initiatives**
Speaker: Samuel Wiebe (Canada)  
08:44 - 09:06

**Global health in epilepsy - the North American experience**
Speaker: Karen Parko (United States)  
09:06 - 09:28
## Scientific Programme

### Clinical
09:30 - 11:30

**Convention Hall**

**Infection, inflammation and epilepsy**

**Chairs:**
Chair: Jeffrey Britton (United States)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>09:30 - 10:00</td>
<td>The clinical diagnosis of autoimmune encephalopathies</td>
<td>Christian Bien (Germany)</td>
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<tr>
<td>10:00 - 10:30</td>
<td>Humoral factors in the pathophysiology of seizures and status epilepticus</td>
<td>Angela Vincent (United Kingdom)</td>
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<tr>
<td>10:30 - 11:00</td>
<td>Infections and autoimmunity in epilepsy</td>
<td>Russell Dale (Australia)</td>
</tr>
<tr>
<td>11:00 - 11:30</td>
<td>Treatment options in autoimmune epilepsy syndromes</td>
<td>Andrew McKeon (United States)</td>
</tr>
</tbody>
</table>

### Integrated: pathophysiology/clinical/social
09:30 - 11:30

**Lotus 1-4**

**Challenges and solutions in providing epilepsy care**

**Chairs:**
Chair: Ernest Somerville (Australia)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>09:30 - 10:00</td>
<td>State of the art, have we moved forward?</td>
<td>Martin Brodie (United Kingdom)</td>
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<tr>
<td>10:00 - 10:30</td>
<td>It really is more than seizures</td>
<td>Kousuke Kanemoto (Japan)</td>
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<tr>
<td>10:30 - 11:00</td>
<td>You're drug resistant... now what?</td>
<td>Ernest Somerville (Australia)</td>
</tr>
<tr>
<td>11:00 - 11:30</td>
<td>Moving beyond the clinic</td>
<td>Mary Secco (Canada)</td>
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</table>

### Other
10:00 - 17:00

**Poster Area**

**Adult epileptology 2**

<table>
<thead>
<tr>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>Clinical manifestations and treatments of patients with non-ketotic hyperglycemia related seizures</td>
<td>Weixiong Shi (China)</td>
</tr>
<tr>
<td>From patients' e-Registry - to Electronic Medical Records (EMR) and Electronic Health Records (EHRs) - e-Health technologies for epilepsy follow-up management in Georgia</td>
<td>Sofia Kasradze (Georgia)</td>
</tr>
</tbody>
</table>
The clinical features and immunotherapy outcomes of glutamic acid decarboxylase 65 antibody associated neurological disorders
Speaker: Chengyu Li (China)

Pharmacoresistant epilepsy in Dyke Davidson Masson syndrome: a case report
Speaker: Jennifer Simca (Indonesia)

Eye deviation is a reliable indicator for assisting epilepsy diagnosis
Speaker: Yi-Wen Pan (China)

Sleep-wake cycle and daytime activity in patients affected by epilepsy and the effect of Perampanel as first add-on treatment
Speaker: Claudio Liguori (Italy)

Modified Atkins diet in treatment of adult patients with refractory epilepsy: the experience of a portuguese tertiary centre
Speaker: Raquel Samões (Portugal)

A prospective, longitudinal study of AMPA-antagonist in Chinese patients with refractory epilepsy
Speaker: Ka Lai Yip (Hong Kong)

Uncontrolled seizures in MRI-negative temporal lobe epilepsy
Speaker: Astri Budikayanti (Indonesia)

Short duration of focal onset awareness and impaired awareness seizure are characteristic features of epilepsy in elderly patients
Speaker: Ayataka Fujimoto (Japan)

Focal reflex epilepsy induced by playing oriental card game
Speaker: Daeyoung Kim (Korea, Republic of)

Gastroesophageal Reflux (GER) Related Non Rapid Eye Movement (NREM) parasomnna mimicking sleep related hypermotor epilepsy (SHE)
Speaker: Tatiana Pushkar (Russian Federation)

Epilepsy and driving in Greece
Speaker: Sofia Markoula (Greece)

Clinical features and duration of epilepsy in neurosurgical patients
Speaker: Galina Odintsova (Russian Federation)

Self-resolved of late onset mesial temporal lobe epilepsy: suspicious of sero-negative immune-mediated limbic encephalitis
Speaker: Ranjana Thananuwatsak (Thailand)

Vagal stimulator in adult patients with pharmaco-resistant epilepsy in a public hospital in Argentina: our experience in the last eight years
Speaker: Silvia Kochen (Argentina)

Diagnostic aspects of epileptic attacks in a debut of an ischemic stroke
Speaker: Galina Odintsova (Russian Federation)
Scientific Programme

Other
10:00 - 17:00

Poster Area

Basic sciences 2

Chemogenetics control of neuroexcitability to locally and remotely attenuate 4-aminopyridine induced seizures
Speaker: Xiaofeng Yang (China)

Regional differences in seizure-induced neurodegeneration and endocannabinoid-mediated neuroprotection in the rat hippocampus
Speaker: Elena M. Suleymanova (Russian Federation)

Spines and dendritic abnormalities in different subtypes of FCDs suggest altered anatomical network
Speaker: Laura Rossini (Italy)

The neuroelectrophysiological mechanisms of epileptogenesis induced by focal cortical dysplasia in humans
Speaker: Xiaofeng Yang (China)

Ketone bodies inhibit the opening of acid-sensing ion channels (ASICs) in rat hippocampal excitatory neurons in vitro
Speaker: Fei Zhu (China)

The protective role and mechanism of astrocyte derived neurotrophic factor in pilocarpine epilepsy rat model
Speaker: Lina Zhu (China)

Effect of lacosamide compared to carbamazepine and levetiracetam on reduction of epileptiform activity in the human neocortex and hippocampus in vitro
Speaker: Selvin Zacarias Reyes Garcia (Brazil)

Proechimys rodents from Brazil’s Amazon Rainforest: an animal model resistant to post-stroke epilepsy
Speaker: Nancy Nohemi Ortiz-Villatoro (Brazil)

Alterations of the tight junction proteins (claudin-5 and ZO-1) in the microvasculature of temporal neocortex from patients with drug-resistant temporal lobe epilepsy
Speaker: Adacrid Colunga-Durán (Mexico)

Stimulation-induced seizures are rather controllable than electrical afterdischarges: seizure abortion experiment in a newly developed large animal model
Speaker: Cheng-Siu Chang (Taiwan, Republic of China)

Antimuscarinic agent scopolamine exerts a disease-modifying effect in the rat lithium-pilocarpine model of epilepsy
Speaker: Sebastian Meller (Germany)

Electroencephalographic differences in kindling-induced afterdischarges among genetic absence rat models and Wistar rats
Speaker: Ozlem Akman (Turkey)

Altered expression of astrocyte-related receptors and channels correlates with epileptogenesis in hippocampal sclerosis
Speaker: Masayuki Itoh (Japan)
Single and synergistic effects of cannabidiol (CBD) and Δ-9-tetrahydrocannabinol (THC) on pentylenetetrazole induced and genetically modified epileptic zebrafish  
Speaker: Uday Kundap (Canada)

Expression of the leucine-rich alpha2 glycoprotein in the hippocampus prevents decreased cognitive function after status epilepticus  
Speaker: Madoka Nakajima (Japan)

Other  
10:00 - 17:00  
Poster Area

Clinical neurophysiology 2

Small sharp spikes - benign or epileptic? An analysis of simultaneous scalp and intracranial EEG recordings  
Speaker: Nino Epitashvili (Germany)

Automated seizure detection using wearable ECG-device  
Speaker: Jesper Jeppesen (Denmark)

Our experience in stereoelectroencephalography and electrical stimulation in a public hospital  
Speaker: Silvia Kochen (Argentina)

Importance of resting-state functional connectivity in propagation of focal seizures  
Speaker: Taira Uehara (Japan)

Analysis of P300 using MEG and EEG in patients with temporal lobe epilepsy due to hippocampal sclerosis with cognitive correlation  
Speaker: Mukheem Mudabbir (India)

Diagnostic added value of recording surface electromyography in epilepsy monitoring unit  
Speaker: Cecilie Bøttiger Itenov (Denmark)

Anterior temporal spikes source: a study of simultaneous scalp and intracranial stereo-EEG  
Speaker: Kanjana Unnwongse (Germany)

EEG fingerprint provides additional localizing information in focal cortical dysplasia  
Speaker: Lingli Hu (China)

Connectivity measures suggests a sub-cortical generator of myoclonus in Angelman syndrome  
Speaker: Edoardo Ferlazzo (Italy)

Seizure classification by combination of eye deviation, forced and non-forced head turning may be helpful to identify the ictal onset zone  
Speaker: Mitsuyo Nishimura (Japan)

ECG complexity discriminates temporal lobe epilepsy seizures with sudden unexpected falls  
Speaker: Irena Dolezalova (Czech Republic)
**Scientific Programme**

**Automated EEG source imaging: a retrospective, blinded clinical validation study**  
Speaker: Pieter van Mierlo (Belgium)

**Automated versus standard procedures for pre-surgical screening of routinely recorded long term EEG**  
Speaker: Pauly Ossenblok (Netherlands)

**Ictal EEG source imaging and connectivity to localize the seizure onset zone in extratemporal lobe epilepsy**  
Speaker: Pieter van Mierlo (Belgium)

**EEG source localization comparing low-density EEG including subtemporal coverage with high density EEG**  
Speaker: Omar Danoun (United States)

**High amplitude, short infraslow activity (SISA) with burst suppression could be closely related to acute seizures in comatose patients**  
Speaker: Masaya Togo (Japan)

Other  
10:00 - 17:00  
**Poster Area**

**Comorbidities 2**

**The role of dopamine transporter intron 8 VNTR polymorphism in the occurrence of depression in temporal lobe epilepsy**  
Speaker: Ruda Alessi (Brazil)

**Cardiac Arrhythmias in Dravet syndrome (CADS): an observational multicentre study**  
Speaker: Sharon Shmuely (Netherlands)

**The relationship of apolipoprotein B with cognitive function in epilepsy patient**  
Speaker: Lestari Handayani (Indonesia)

**The impact of anxiety in social adjustment of patients with juvenile myoclonic epilepsy**  
Speaker: Kette Valente (Brazil)

**Association between depression and other psychiatric comorbidities and impact on the quality of life in patients with drug resistant temporal lobe epilepsy with unilateral hippocampal sclerosis**  
Speaker: Laura Guilhoto (Brazil)

**Severe bone loss in epilepsy associated with chronic use of enzyme-inducing antiepileptic drug**  
Speaker: Fernando Cendes (Brazil)

**Vitamin D supplementation in patients with epilepsy**  
Speaker: Francisco Sales (Portugal)
33rd International Epilepsy Congress (IEC) in Bangkok
June 22-26, 2019

Scientific Programme

Other
10:00 - 17:00

Poster Area

Drug therapy 2

Knowledge, expectations and fears of cannabis use of epilepsy patients at a tertiary epilepsy center
Speaker: Christoph Helmstaedter (Germany)

Perampanel does not worsen myoclonic and absence seizures
Speaker: Christian Brandt (Germany)

Evaluation of new multitargeted antiepileptogenic drug combinations in the intrahippocampal kainate mouse model
Speaker: Lisa Welzel (Germany)

Perampanel treatment for refractory status epilepticus in a neurological intensive care unit
Speaker: Chen-Jui Ho (Taiwan, Republic of China)

Efficacy and tolerability of perampanel in the treatment of progressive myoclonus epilepsies. An Italian multicenter observational study
Speaker: Laura Canafoglia (Italy)

The clinical characteristics and related factors of tremor in patients with epilepsy
Speaker: Yingfeng Xiao (China)

Effective antiepileptic drugs for refractory non-lesional focal seizures in children and young adults are different among precise seizure symptoms
Speaker: Kenji Sugai (Japan)

Treatment for epilepsy with continuous spikes and waves during slow-wave sleep in Japan: old and new drugs
Speaker: Hiroko Ikeda (Japan)

Perampanel induced psychiatric adverse events related to human leukocyte antigen subtypes
Speaker: Hyeyeon Chang (Korea, Republic of)

Quality of life and cost of treatment assessment in persons with epilepsy on monotherapy of conventional and newer AEDs
Speaker: Sudhir Chandra Sarangi (India)

"Real life" experience with brivaracetam: findings of a multicentre service evaluation in the United Kingdom
Speaker: Markus Reuber (United Kingdom)

Perampanel in real-world clinical care of patients with epilepsy: retrospective Phase IV study 506
Speaker: Manoj Malhotra (United States)

Study 506 - a retrospective, Phase IV study of perampanel in real-world clinical care of patients with epilepsy: adolescent subgroup (aged 12 to < 18 years)
Speaker: Manoj Malhotra (United States)
Asian experience of using perampanel in various subgroup of epilepsy: 1 year following data
Speaker: Hsing-I Chiang (Taiwan, Republic of China)

Efficacy and safety of adjunctive perampanel in Chinese patients with partial-onset seizures or primary generalised tonic-clonic seizures: post hoc analysis of Phase III double-blind and open-label extension studies
Speaker: Liao Weiping (China)

Patients’ perspectives on AED withdrawal: survey among individuals who had been seizure-free for over 2 years
Speaker: Emilija Cvetkovska (Macedonia, the Former Yugoslav Republic of)

Persistent treatment effect of cerliponase alfa in children with CLN2 disease: a 3 year update from an ongoing multicenter extension study
Speaker: Nicola Specchio (Italy)

3-acetylaconitine exerts antiepileptic and neuroprotective effects in the early stage of status epilepticus via the downregulation of NR2B expression
Speaker: Tao Chen (China)

Fenobarbital as an option in monotherapy for patients with epilepsy and generalized clonic tonic crises in a public hospital of Quetzaltenango, Guatemala, Central America
Speaker: Victor Bautista (Guatemala)

Efficacy of perampanel in refractory and super-refractory status epilepticus: the evaluation in Asian adult neurological intensive care unit
Speaker: Wei-En Johnny Tseng (Taiwan, Republic of China)

The adverse event profile of eslicarbazepine acetate: a systematic review of randomized controlled trials
Speaker: Xin Lin (China)

A phase 2 trial to explore the potential for a pharmacokinetic drug-drug interaction with stiripentol when in combination with cannabidiol (CBD) in patients with epilepsy
Speaker: Gilmour Morrison (United Kingdom)

Real-world experience in using perampanel (PER) as adjunct therapy in refractory epilepsy
Speaker: Richard Shek Kwan Chang (Hong Kong)

Seizure freedom after initiation of clobazam adjunctive therapy
Speaker: Bassel Abou-Khalil (United States)

Mortality of epilepsy in Korea
Speaker: Seo-Young Lee (Korea, Republic of)
Scientific Programme

**Anti-epileptic drug prescribing and prevalence of epilepsy in New Zealand children**  
Speaker: Lynette Grant Sadleir (New Zealand)

**Geographic barriers to accessing epilepsy surgery**  
Speaker: Cassie Fehr (Canada)

**Depression and suicidal ideation in persons with epilepsy: a prospective observational study**  
Speaker: Jatinder Katyal (India)

**Incidence and prevalence of epilepsy in adults in a medical program of Argentina**  
Speaker: Marina Aberastury (Argentina)

**Influence of climatological parameters on prevalence of epilepsy: an Indian prospective study**  
Speaker: Sudhir Chandra Sarangi (India)

**Relevant demographic and clinical features of psychogenic non epileptic seizures and temporal lobe seizures in Guatemalan population**  
Speaker: Lidia Callejas (Guatemala)

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**Epilepsy surgery 2**

**Presurgical evaluation and surgical outcomes in medically refractory epilepsy and temporal encephalocele**  
Speaker: Kiran Kanth (United States)

**Living with epilepsy: patient perceptions of their epilepsy and its treatment 15 to 20 years after epilepsy surgery**  
Speaker: Sarah Wilson (Australia)

**Long term outcome of epilepsy surgery for drug-resistant epilepsy in Thailand, a single center experience**  
Speaker: Krittima Asavaveeradech (Thailand)

**Mood and anxiety disorder in surgical patients with drug-resistant epilepsy**  
Speaker: Ryosuke Hanaya (Japan)

**Detectability and surgical treatment of temporal lobe epilepsy associated with encephalocele**  
Speaker: Nazgul Kalybaeva (Russian Federation)

**Surgical treatment in patients with periventricular nodular heterotopia-related epilepsy**  
Speaker: Hsiang-Yu Yu (Taiwan, Republic of China)

**Non-lesional focal epilepsies: epileptogenic zone diagnosis using deep electrodes in a high complex public hospital**  
Speaker: Silvia Kochen (Argentina)
Scientific Programme

**Stereoelectroencephalography (SEEG) in children with refractory focal epilepsy in developing countries**
Speaker: Piradee Suwanpakdee (Thailand)

**Differential prognostic factors for early, intermediate and late seizure recurrence after temporal lobectomy**
Speaker: Phopsuk Tansuhaj (Thailand)

**Resective surgery of structural pharmacoresistant temporal epilepsy in children: failure outcomes analysis**
Speaker: Sofia Popovich (Russian Federation)

**MEG language lateralization in temporal lobe epilepsy using dSPM of event related fields correlates with memory decline after anterior temporal resection**
Speaker: Ryuzaburo Kochi (Japan)

**Prediction of seizure recurrence after epilepsy-surgery using online calculator**
Speaker: Anand Diwan (India)

**Clinical, imaging and EEG patterns in refractory epilepsy with focal cortical dysplasia and predictors of outcome after surgery**
Speaker: Suresh Babu Pasangulapati (India)

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Other
10:00 - 17:00

*Poster Area*

**Genetics 2**

**Medical exome sequencings in childhood severe neurodevelopmental disorder after negative candidate genes analysis**
Speaker: Inn-Chi Lee (Taiwan, Republic of China)

**Familial adult myoclonic epilepsy, caused by a pentanucleotide repeat TTTCA insertion in SAMD12, in Indian and Sri Lankan families extends the occurrence of this mutation to a wide region of southern Asia**
Speaker: Mark F Bennett (Australia)

**Epilepsy phenotype in patients with rare de novo DYNC1H1 variants**
Speaker: Antonietta Coppola (Italy)

**16p13.11 deletion presenting with refractory seizures and post ictal psychosis: a case report**
Speaker: Lakshmi Kalband (Australia)

**A preliminary study: the positive rate of HLA-B*1502 gene and the incidence of aromatic antiepileptic drug-induced cutaneous adverse reactions in epilepsy patients**
Speaker: Xiaoling Wu (China)

**Polymorphism in aggression-related genes regulating serotonergic signaling is not associated with the risk for psychiatric side effects of levetiracetam in Siberian patients**
Speaker: Kristina Yakovleva (Russian Federation)
Possible epigenetic regulatory effect of dysregulated circular RNAs in epilepsy
Speaker: Sang Bin Hong (Korea, Republic of)

Cardiac phenotype in ATP1A3 related-syndromes: a multicentre study
Speaker: Simona Balestrini (United Kingdom)

The clinical diagnosis and identification of genes associated with epilepsy using whole-exome sequencing
Speaker: Tatyana Kozhanova (Russian Federation)

Influence of the polymorphism in CYP2C9, CYP2C19 and MDR1 on risk of development of side effects due to valproic acid in patients with epilepsy
Speaker: Galina Odintsova (Russian Federation)

Neuroimaging 2

Different patterns of cortical atrophy and surface complexity in patients with unilateral, bilateral and MRI-negative temporal lobe epilepsy
Speaker: Iscia Lopes-Cendes (Brazil)

Altered intrinsic brain activity in frontal lobe epilepsy: associations with outcome
Speaker: Wenyu Liu (China)

Brain grey matter abnormalities associated with myoclonic seizures
Speaker: Stanislav Alexandru Groppa (Moldova, Republic of)

Effect of antiepileptic medications in the functional connectivity of patients with idiopathic generalized epilepsy
Speaker: Karen Fernanda Alves (Brazil)

Predictive morphological reorganization in temporal lobe epilepsy
Speaker: Elisabeth Roggenhofer (Switzerland)

Alterations of cortical surface complexity in first-degree asymptomatic relatives of non-familial-TLE patients
Speaker: Iscia Lopes-Cendes (Brazil)

Dynamic changes of gray matter morphology and intrinsic brain activity following anterior temporal lobectomy for epilepsy
Speaker: Dong Zhou (China)

Grey matter and white matter difference between two non-lesion epilepsy syndromes using voxel wise comparison
Speaker: K Raghavendra (India)

Divergent brain structural changes associated with epileptogenesis: a voxel base morphometry and diffusion tensor imaging study
Speaker: Lei Chen (China)
Astrocyte dysfunction induced by abnormal tryptophan metabolism in the pathology of epilepsy  
Speaker: Satoka Hashimoto (Japan)

Application of 7T MRI in a cohort of patients with MRI-negative focal epilepsy: a preliminary study  
Speaker: Shuang Wang (China)

Non-pathological déjà vu: hippocampal volumes and metabolomic profile  
Speaker: Lenka Sakálošová (Czech Republic)

Diffuse cerebral lesions on MRI might be the predictor for severe neurological outcomes in children with tuberous sclerosis complex  
Speaker: Tohru Okanishi (Japan)

Hydrocephalus in Guillain-Barre syndrome: a case report and review of the literature  
Speaker: Ammar Taha Abdullah Abdulaziz (China)

Gender differences of cortical thickness and subcortical gray matter volume among patients with juvenile myoclonic epilepsy (JME)  
Speaker: L G Viswanathan (India)

Altered dynamic functional network connectivity in mesial temporal lobe epilepsy  
Speaker: Wenyue Wu (China)

Lateralization of temporal lobe epilepsy using resting state fMRI and graph analysis  
Speaker: Jafar Mehvari Habibabadi (Iran, Islamic Republic of)

Evolution of functional connectivity and dynamic interaction in temporal lobe epilepsy  
Speaker: Jafar Mehvari Habibabadi (Iran, Islamic Republic of)

Neuropsychology 1

Development of an instrument to measure general and seizure-related self-efficacy and mindfulness in people with seizures (SEMPS)  
Speaker: Rosa Michaelis (Germany)

One year follow-up cognitive outcomes of pediatric epilepsy surgery across surgeries and ages: a monocenter study in 306 patients of school age  
Speaker: Christoph Helmstaedter (Germany)

The impact of clinical epilepsy variables in executive functions in patients with temporal lobe epilepsy caused by hippocampal sclerosis - from childhood to late adulthood  
Speaker: Kette Valente (Brazil)
Scientific Programme

Is there a clinical relevance of T- and B-cell activity for cognition and behavior in epilepsy patients with evident or suggested limbic encephalitis?
Speaker: Leelaarporn Pitshaporn (Germany)

Accelerated long-term forgetting with temporal lobe epilepsy: MRI volumetric findings
Speaker: Takahiko Mukaino (Japan)

Role of lifetime depression in cognitive functions of patients with mesial temporal lobe epilepsy and hippocampal sclerosis
Speaker: Nathália Stela Visoná de Figueiredo (Brazil)

Clinical experience with psychogenic non epileptic seizures in children from a tertiary care center in North India
Speaker: Prateek Kumar Panda (India)

Can neuropsychological tests help differentiate insular from mesial temporal epileptic network?
Speaker: Suchart Tangnimitchok (Thailand)

Neurostimulation 2

Long term seizure outcomes of two children with deep brain stimulation after callosotomy
Speaker: Yen-Cheng Shih (Taiwan, Republic of China)

The optimization of electrical stimulation paradigm for the suppression of seizure activity in an in vivo swine model of neocortical epilepsy
Speaker: Fu-Yuan Shih (Taiwan, Republic of China)

A target for deep brain stimulation activating both hippocampi
Speaker: Mohamad Koubeissi (United States)

Drug resistant epilepsy treated with invasive neuromodulation techniques: King’s College Hospital’s experience
Speaker: Antonio Valentin (United Kingdom)

The effect of the long-term treatment with vagus nerve stimulation on objective respiratory patterns, and subjective sleep quality and daytime sleepiness in Korean patients with drug-resistant epilepsy
Speaker: Seung Bong Hong (Korea, Republic of)

Sub-acute cortical electrical stimulation (SCS) as a localizing tool during intracranial recordings in patients with refractory epilepsy
Speaker: Antonio Valentin (United Kingdom)

TMS in the epilepsy monitoring unit
Speaker: Robert Helling (Netherlands)
Scientific Programme

Epileptogenic zone diagnosis by means of deep electrical brain stimulation planned from electromagnetic simulations in a real head model. A case report
Speaker: Silvia Kochen (Argentina)

Paediatric epileptology 2

Prevalence and variables associated with occurrence of seizures in pediatric arterial ischemic stroke
Speaker: Prateek Kumar Panda (India)

Hyperventilation and intermittent photic stimulation to increase the diagnostic yield of EEG recording to detect epileptiform abnormalities: experience from a tertiary care center in North India
Speaker: Sheffali Gulati (India)
Speaker: Prateek Kumar Panda (India)

Sleep disorders in children with epilepsy
Speaker: Cornelia Calcii (Moldova, Republic of)

A clinical pathway of combined EEG monitoring in high-risk critically ill neonates
Speaker: Karen Mabilangan (Canada)

Brain MRI and video EEG patterns in children with drug resistant epilepsy (DRE) and structural etiologies
Speaker: Andrea Andrade (Canada)

Significance of polyspikes on EEG in pediatric focal epilepsy
Speaker: Ara Ko (Korea, Republic of)

Clinical predictors for drug resistance epilepsy in children
Speaker: Kasama Bhudhisawasdi (Thailand)

Incidence and prognostic factors of seizures after craniotomy for brain tumor resection in children
Speaker: Nunthasiri Wittayanakorn (Thailand)

Safety and efficacy of adjunctive perampanel in younger (aged 4 to < 7 years) and older (7 to < 12 years) paediatric patients with partial-onset seizures (POS) or primary generalised tonic-clonic seizures (PGTCS): final results from the 311 Core Study
Speaker: Andras Fogarasi (Hungary)

Perfusion-related magnetic resonance image changes after acute seizure in children
Speaker: Sung Min Lim (Korea, Republic of)

Anticonvulsant drug actions in a rat model of birth asphyxia
Speaker: Marie Johne (Germany)
Scientific Programme

Study 506 - a retrospective, Phase IV study of perampanel in real-world clinical care of patients with epilepsy: paediatric subgroup (aged < 12 years)
Speaker: Manoj Malhotra (United States)

The alteration of brain connectivity in patients with frontal lobe epilepsy after vagal nerve stimulation
Speaker: Yun Jung Hur (Korea, Republic of)

Comparative socioeconomic study of patients in Germany with Dravet syndrome, refractory epilepsy or epilepsy in seizure remission, and their caregivers
Speaker: Adam Strzelczyk (Germany)

Long-term exposure of eslicarbazepine acetate in Asian children with refractory focal onset seizure: safety results from multicenter Phase-III, randomized, double-blind placebo controlled and open label study
Speaker: Helena Gama (Portugal)

Clinical characteristics of patients with Dravet syndrome in Slovenia
Speaker: Neli Bizjak (Slovenia)

Diagnostic yield of genetic testing in epileptic encephalopathy
Speaker: Zhi Min Yap (Singapore)

Validation of automatic absence seizures detection in single-lead frontal EEG
Speaker: Dirk Loeckx (Belgium)

Effect of the initial treatment on the quality of life of children aged 6 years, with history of West syndrome: randomized clinical trial
Speaker: Jithangi Wanigasinghe (Sri Lanka)

The probability of the epilepsy in children after the single seizure
Speaker: Leanid Shalkevich (Belarus)

Use of a medium chain triglyceride-based food for special medical purposes in children and adults with epilepsy: compliance, tolerability and acceptability
Speaker: Natasha E Schoeler (United Kingdom)

A practical quality of life questionnaire for children with severe intellectual disability and epilepsy
Speaker: Vivek Mundada (United Arab Emirates)

Effect of adjunctive perampanel on Clinical Global Impression (CGI) in paediatric patients (aged 4 to < 12 years) with partial-onset seizures (POS) or primary generalised tonic-clonic seizures (PGTCS) in Study 311
Speaker: Steven Phillips (United States)

Safety and efficacy of adjunctive perampanel in Japanese paediatric patients (aged 4 to < 12 years) with partial-onset seizures (POS) with or without secondarily generalised seizures (SGS): final results from the 311 Core Study
Speaker: Kaeko Ishiba (Japan)

Analysis of EEG monitoring characteristics of newborns
Speaker: Jielan Zhou (China)
Scientific Programme

Efficacy of low glycemic index therapy in children with drug resistant epilepsy: a systematic review of existing literature and pooled analysis of the results of these clinical studies
Speaker: Prateek Kumar Panda (India)

Other
10:00 - 17:00

Social issues / Nursing 2

Driving in patient with epilepsy: attitude and practice
Speaker: Tinonkorn Yadee (Thailand)

EPIPICTO: developing in practice a pictorial guide for marginalised adults with epilepsy
Speaker: Janet Mifsud (Malta)

Quality and safety in adult epilepsy monitoring unit of prasat neurological institute epilepsy center, Thailand
Speaker: Chanpen Noppornprom (Thailand)

Assessment of knowledge, practices and attitude among the students about the first aid management of epilepsy seizure in a Mirzapur region: a cross sectional study design
Speaker: Deepika Singh (India)

Epilepsy Camp Day: a great opportunity for Thai children living with epilepsy
Speaker: Chanikhan Sattaporn (Thailand)

Three consecutive years’ experience of 'Run for Epilepsy' to raise social awareness in Thailand and 'Running Backward' to make difficulty of living with epilepsy understood
Speaker: Chonpivat Treepong (Thailand)

The effectiveness of the holistic nursing care model on quality of life of the epilepsy patients at Tertiary Epilepsy Center of Thailand
Speaker: Chalermkwan Puangsawat (Thailand)

Seizure detection devices: exploring users’ hidden needs and wishes
Speaker: Anouk van Westrhenen (Netherlands)

Other
10:00 - 17:00

Status epilepticus 2

Obstructive sleep apneas precede unexpected status epilepticus during polysomnography recording
Speaker: Huan Jan Lin (Taiwan, Republic of China)

A life-saving epilepsy surgery in an elderly patient with definite cavernoma-related super-refractory status epilepticus
Speaker: Apisit Boongird (Thailand)
EEG patterns predicting poor prognosis in elderly patients with generalised convulsive and non-convulsive status epilepticus
Speaker: Raghavendra Kenchaiah (India)

Updated data on the tocilizumab treatment in new onset refractory status epilepticus
Speaker: Soon-Tae Lee (Korea, Republic of)

A neurological outcome of early plasmapheresis in sero-negative encephalitis presenting with super-refractory status epilepticus
Speaker: Chonprivat Treepong (Thailand)

Characteristics, co-factors and outcomes of convulsive status epilepticus in children in a tertiary care hospital in Sri Lanka
Speaker: H. G. Sasini Nirudika (Sri Lanka)

Caregiver knowledge of pre hospital management of convulsive status epilepticus in children
Speaker: H. G. Sasini Nirudika (Sri Lanka)

Etiologies, clinical characteristics and treatment outcomes of status epilepticus among children at Queen Sirikit National Institute of Child Health, Thailand
Speaker: Sirorat Suwannachote (Thailand)

Terminology and classification

Screening towards improved diagnosis and classification in epilepsy
Speaker: Robert Yao (United States)

Semiologic ontology for seizure and epilepsy
Speaker: Robert Yao (United States)

New-onset unprovoked seizures in a cohort of children: applicability of the new ILAE 2014 definition of epilepsy and ILAE 2017 classification of epilepsies
Speaker: Murthy Jagarlapudi (India)

Applicability of new ILAE 2014 definition of epilepsy in patients with new-onset unprovoked seizure attending emergency medicine department: a tertiary care hospital-based study in south India
Speaker: Shyam Jaiswal (India)

Comparing two International League Against Epilepsy classifications of seizure types: a cross-sectional study in Viet Nam
Speaker: Ngan Le Quynh (Viet Nam)
Scientific Programme

11:30 - 12:30 ILAE-YES Exhibition

ILAE-YES Brainstorming Session: Towards an achievable patient-centered research roadmap: why, when and how

Chairs:
Chair: Christos Lisgaras (United States)

Management Issues (medical or surgical)
12:00 - 13:30 Convention Hall

Update on the management of status epilepticus

Chairs:
Chair: Hannah Cock (United Kingdom)
Chair: Somsak Tiamkao (Thailand)

Definitions and timing of treatment 12:00 - 12:20
Speaker: Satish Jain (India)

The out of hospital setting 12:20 - 12:40
Speaker: Federico Vigevano (Italy)

What is the best first line treatment in hospital setting? 12:40 - 13:00
Speaker: Hannah Cock (United Kingdom)

Optimising management in resource poor settings 13:00 - 13:20
Speaker: Somsak Tiamkao (Thailand)

Management Issues (medical or surgical)
12:00 - 13:30 Ballroom AB

Update on treatments of childhood epilepsies

Chairs:
Chair: Tayard Desudchit (Thailand)
Chair: Heung Dong Kim (Korea, Republic of)

Surgery and devices 12:00 - 12:20
Speaker: Tayard Desudchit (Thailand)

Diet 12:20 - 12:40
Speaker: Suvasini Sharma (India)

Cannabinoids 12:40 - 13:00
Speaker: Kelly Knupp (United States)

Drugs in the pipeline 13:00 - 13:20
Speaker: J Helen Cross (United Kingdom)
Scientific Programme

Management Issues (medical or surgical)
12:00 - 13:30
Lotus 1-4

Pros and cons of AED withdrawal

Chairs:
Chair: Morten Lossius (Norway)
Chair: Byungin Lee (Korea, Republic of)

When is it worth the risk? 12:00 - 12:20
Speaker: Morten Lossius (Norway)

AED withdrawal in adults 12:20 - 12:40
Speaker: Byungin Lee (Korea, Republic of)

AED withdrawal in children 12:40 - 13:00
Speaker: Marilisa Guerreiro (Brazil)

AED withdrawals after epilepsy surgery in children and adults 13:00 - 13:20
Speaker: Kees Braun (Netherlands)

Clinical
12:00 - 13:30
Lotus 5-7

Imaging epileptogenesis of epilepsy across the lifespan

Chairs:
Chair: Neils Focke (Germany)
Chair: Dong Zhou (China)

Molecular imaging biomarkers of epileptogenesis 12:00 - 12:20
Speaker: Heidrun Potschka (Germany)

Prenatal imaging of epileptogenic lesions 12:20 - 12:40
Speaker: Gregor Kasprian (Austria)

Challenges of investigating epilepsy in the developing brain 12:40 - 13:00
Speaker: Jonathan O'Muircheartaigh (United Kingdom)

Imaging phenotypes in epilepsy 13:00 - 13:20
Speaker: Neils Focke (Germany)

Paediatrics
12:00 - 13:30
Ballroom C

Epilepsy in adolescents

Chairs:
Chair: Choong Yi Fong (Malaysia)
Chair: Suwannee Phancharoen (Thailand)

Puberty and epilepsy 12:00 - 12:22
Speaker: Alexis Arzimanoglou (France)
33rd International Epilepsy Congress (IEC) in Bangkok
June 22-26, 2019

Scientific Programme

**Diagnosis and management**

12:22 - 12:44
Speaker: Choong Yi Fong (Malaysia)

**Lifestyle**

12:44 - 13:06
Speaker: Jaime Carrizosa (Colombia)

**The need for transition programs**

13:06 - 13:28
Speaker: Danielle Andrade (Canada)

**Launch of the WHO-ILAE-IBE Global Report on Epilepsy - Epilepsy: a public health imperative**

Launch of the WHO-ILAE-IBE Global Report on Epilepsy during the 33rd International Epilepsy Congress will be launched. This is a strategic document of the WHO, the ILAE and the IBE, and its launch is a momentous occasion for the epilepsy constituency.

All are welcome to attend this open session, which will be of particular interest to ILAE and IBE Chapter representatives and all who have an interest in epilepsy treatment and care. The report will be launched by the leadership of the WHO, the ILAE and the IBE.

**Chairs:**
Chair: Svetlana Akselrod (Switzerland)
Chair: Martin Brodie (United Kingdom)
Chair: Dévora Kestel (Switzerland)
Chair: Samuel Wiebe (Canada)

**Opening and welcome**

12:00 - 12:08

**Overview of the Global Report and the WHO perspective**

12:08 - 12:26
Speaker: Dévora Kestel (Switzerland)
Speaker: Tarun Dua (Switzerland)

**Improving epilepsy care and research**

12:26 - 12:44
Speaker: Alla Guekht (Russian Federation)

**Improving the social condition of people with epilepsy**

12:44 - 13:02
Speaker: Mary Secco (Canada)

**Multisectoral action to address epilepsy as part of the NCD agenda**

13:02 - 13:20
Speaker: Svetlana Akselrod (Switzerland)

**Q&A**

13:20 - 13:30

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**Satellite Symposia**

13:30 - 15:00

**Eisai Inc.: Striving for seizure freedom: addressing uncontrolled seizures in patients with epilepsy**

**Chairs:**
Chair: Patrick Kwan (Australia)
Scientific Programme

**Achieving seizure freedom**
Speaker: Patrick Kwan (Australia)
13:30 - 13:52

**Maintaining seizure freedom**
Speaker: Yotin Chinvarun (Thailand)
13:52 - 14:14

**Consequences of uncontrolled seizures in pediatric and adult patients**
Speaker: James Wheless (United States)
14:14 - 14:36

**Seizure freedom with FYCOMPA: experience as an early add-on at a comprehensive epilepsy center**
Speaker: Takamichi Yamamoto (Japan)
14:36 - 14:58

Other
15:00 - 15:30
Ballroom AB

'Epilepsia' Prize - Clinical Science

**Chairs:**
Chair: Astrid Nehlig (France)
Chair: Michael Sperling (United States)

**Thalamic volume reduction in drug‐naive patients with new‐onset genetic generalized epilepsy**
Speaker: Suejen Perani (Germany)
15:00 - 15:20

Clinical
15:15 - 16:30
Convention Hall

**Treatment**

**Chairs:**
Chair: Anthony Marson (United Kingdom)
Chair: Heung Dong Kim (Korea, Republic of)

**Cannabidiol (CBD; 10 and 20 mg/kg/day) significantly reduces convulsive seizure frequency in children and adolescents with Dravet syndrome: results of a dose-ranging, multi-center, randomised, double-blind, placebo-controlled trial (GWPCARE2)**
Speaker: Ian Miller (United States)
15:15 - 15:30

**Safety and efficacy of adjunctive perampanel in paediatric patients (aged 4 to 12 years) with partial-onset seizures (POS) or primary generalised tonic-clonic seizures (PGTCS): final results from the 311 Core Study**
Speaker: Andras Fogarasi (Hungary)
15:30 - 15:45

**Effect of concomitant enzyme-inducing anti-seizure drugs (EIASDs) on the safety and efficacy of adjunctive perampanel in patients aged 4 to 12 years with partial-onset seizures (POS): final results from the 311 Core Study**
Speaker: Steven Phillips (United States)
15:45 - 16:00

**New ILAE/PERC infant epilepsy protocol**
Speaker: Stéphane Auvin (France)
16:00 - 16:15
The SANAD II study of effectiveness of valproate or levetiracetam in generalised and unclassifiable epilepsy: an un-blinded randomised controlled trial  
Speaker: Anthony Marson (United Kingdom)

Clinical  
15:30 - 16:30  
Ballroom AB  

Adult epileptology  

Chairs:  
Chair: Kimford Meador (United States)  
Chair: Manjari Tripathi (India)

18F-FDG-PET hypermetabolism in basal ganglia is associated with faciobrachial dystonic seizures (FBDS) in leucine-rich glioma-inactivated 1 autoimmune encephalitis (LGI1 AE) subjects  
Speaker: Qun Wang (China)

Epileptic phenotypes, treatment attitudes and long-term outcomes of autoimmune epilepsies: a multicenter observational cohort study  
Speaker: Sara Matricardi (Italy)

Adult-onset Rasmussen encephalitis: a long-term follow-up of 12 patients  
Speaker: Francesco Deleo (Italy)

Serum inflammatory markers in a large cohort of patients with epilepsies  
Speaker: Iscia Lopes-Cendes (Brazil)

Management Issues (medical or surgical)  
15:30 - 16:30  
Lotus 1-4

Status epilepticus  

Chairs:  
Chair: Gregory Krauss (United States)  
Chair: Satish Jain (India)

Intranasal midazolam as initial in-hospital treatment for status epilepticus: a pharmaco-EEG cohort study  
Speaker: Lara Kay (Germany)

Characteristics of acute MRI examinations in focal non-convulsive status epilepticus - a retrospective analysis  
Speaker: Francesco Capecchi (Switzerland)

Electroconvulsive therapy in the treatment of super refractory status epilepticus related to new onset refractory status epilepticus  
Speaker: Madeline Tuong-Vi Nguyen (United States)

Mortality in super refractory status epilepticus in children  
Speaker: Maggie Lo Yee Yau (Hong Kong)
Management Issues (medical or surgical)
15:30 - 16:30  
Lotus 5-7

**Surgery**

**Chairs:**
Chair: Felix Rosenow (Germany)
Chair: Mario Alonso Vanegas (Mexico)

- **Responsive neurostimulation in focal epilepsy**
  Speaker: Dawn Eliashiv (United States)  
  15:30 - 15:45

- **Dynamic changes in episodic memory functional connectivity after anterior temporal lobe resection**
  Speaker: Sarah Buck (United Kingdom)  
  15:45 - 16:00

- **Comparison of subdural grid electrodes and SEEG in patients with refractory epilepsy in four large European centers**
  Speaker: Matea Rados (Netherlands)  
  16:00 - 16:15

- **Magnetic source imaging of eloquent cortex in patients with refractory epilepsy: novel findings and neurosurgical implications**
  Speaker: Rakesh Kumar Mishra (India)  
  16:15 - 16:30

**Other**
15:30 - 16:30  
Ballroom C

**Neuroimaging**

**Chairs:**
Chair: Paolo Federico (Canada)
Chair: Kees Braun (Netherlands)

- **Cortical and subcortical morphometric markers of extra temporal cognitive impairment in temporal lobe epilepsy with hippocampal sclerosis**
  Speaker: K Raghavendra (India)  
  15:30 - 15:45

- **Using pulsed arterial spin labelling MRI (PASL-MRI) as a localizing tool in drug-resistant epilepsies**
  Speaker: Tipakorn Tumnark (Thailand)  
  15:45 - 16:00

- **Multi-centre Epilepsy Lesion Detection (MELD) Project: a collaborative MRI cohort for the analysis of focal cortical dysplasias**
  Speaker: Sophie Adler-Wagstyl (United Kingdom)  
  16:00 - 16:15

- **Pharmacoresistant seizures associate with widespread cortical thickness atrophy in temporal lobe epilepsy**
  Speaker: Fernando Cendes (Brazil)  
  16:15 - 16:30
Scientific Programme

16:30 - 17:30  
ILAE-YES Exhibition

ILAE-YES Career Development Session: How to choose an effective title and write a cover letter

Chairs:
Chair: Mirja Steinbrenner (Germany)

17:00 - 18:00  
Convention Hall

Should we recommend medical marijuana for treatment of uncontrolled focal seizures?

Chairs:
Chair: Michael Sperling (United States)

Yes  17:00 - 17:25
Speaker: Martin Brodie (United Kingdom)

No  17:25 - 17:50
Speaker: Emilio Perucca (Italy)

17:00 - 18:00  
Ballroom AB

Can epileptic and psychogenic seizures be more reliably diagnosed in the era of the smartphone?

Chairs:
Chair: Elaine Wirrell (United States)

Yes  17:00 - 17:25
Speaker: Manjari Tripathi (India)

No  17:25 - 17:50
Speaker: Jo Wilmshurst (South Africa)
33rd International Epilepsy Congress (IEC) in Bangkok
June 22-26, 2019

Scientific Programme

Other
17:00 - 18:30
Lotus 1-4

Ten things every neurologist needs to know about neuropsychological assessment in epilepsy

The ILAE Education Task Force are developing a core clinical curriculum for epileptologists. As part of this development they have asked the task forces on the Diagnostic Methods Commission to produce a series of articles entitled '10 things every epileptologist needs to know about ...'. In this session we would like to present the 10 things every epileptologist needs to know about neuropsychology. We have already produced our draft paper on these issues which represents a consensus view of the neuropsychology task force and is based on an authoritative review of the literature. The session is aimed at neurologists in training and will provide a comprehensive overview and update on the role of neuropsychology in the assessment and treatment of people with epilepsy in both routine and surgical settings.

Chairs:
Chair: Sallie Baxendale (United Kingdom)

Ten things every neurologist needs to know about neuropsychological assessment in epilepsy 17:00 - 17:10
Speaker: Sallie Baxendale (United Kingdom)
Speaker: Sarah Wilson (Australia)
Speaker: Christoph Helmstaedter (Germany)

Panel discussion & audience Q&A 17:10 - 17:20
Speaker: Sallie Baxendale (United Kingdom)
Speaker: Sarah Wilson (Australia)
Speaker: Christoph Helmstaedter (Germany)

Other
17:00 - 18:00
Lotus 5-7

Treat this

Chairs:
Chair: Lieven Lagae (Belgium)
Chair: Ernest Somerville (Australia)

Case: Transient loss of consciousness: a curious case 17:00 - 17:15
Speaker: Gashirai K Mbizvo (United Kingdom)

Case: Difficulties in encephalopathy with status epilepticus during sleep (ESES) therapy 17:15 - 17:30
Speaker: Viviana Venegas (Chile)

Case: Adult 17:30 - 17:45
Speaker: Ernest Somerville (Australia)

Case: Paediatric 17:45 - 18:00
Speaker: Lieven Lagae (Belgium)
West syndrome: Updates in modern era: etiologies, diagnoses, and managements

Emphasis is placed on the differential diagnoses of West syndrome with other epileptic syndromes that manifest in the first two years of life, and more especially with a series of abnormal non-epileptic motor phenomena that occur in early infants. In addition, currently, the first-line treatment includes the adrenocorticotropic hormone ACTH and vigabatrin. In the near future the gold standard could be the development of new therapies that target specific pathways of pathogenesis. In this session, we review the past and growing number of clinical, genetic, molecular and therapeutic discoveries on this expanding topic.

Chairs:
Chair: Heung Dong Kim (Korea, Republic of)
Chair: Stéphane Auvin (France)

- **Diagnostic challenges of West syndrome** 17:00 - 17:10
  Speaker: Heung Dong Kim (Korea, Republic of)

- **Genetic/metabolic etiologies in West syndrome** 17:10 - 17:20
  Speaker: Aristea Galanopoulou (United States)

- **Evidence-based guideline update: medical treatment of infantile spasms** 17:20 - 17:30
  Speaker: Stéphane Auvin (France)

- **Precision medicine for West syndrome in the genomic era** 17:30 - 17:40
  Speaker: Hoon-Chul Kang (Korea, Republic of)
Tuesday, 25 June 2019

**ILAE-YES Career Development Session: How to navigate your career path in epilepsy**

The aim of this Talking Shop is to foster professional development of early-career clinicians and researchers and to increase awareness about possible career paths.

**Chairs:**
Chair: Marian Galovic (United Kingdom)

- **Esther Krook Magnuson: How I navigated my career**
  Speaker: Esther Krook Magnuson (United States) 08:00 - 08:10
- **Patrick Kwan: How I navigated my career**
  Speaker: Patrick Kwan (Australia) 08:10 - 08:20
- **Sarah Wilson: How I navigated my career**
  Speaker: Sarah Wilson (Australia) 08:20 - 08:30
- **Pieter van Mierlo: How I navigated my career**
  Speaker: Pieter van Mierlo (Belgium) 08:30 - 08:40

**Podium discussion** 08:40 - 09:25

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**Epileptic encephalopathies**

- **Epileptic encephalopathy: definition and physiopathology**
  Speaker: Ingrid Scheffer (Australia) 08:00 - 08:30
- **Genetic and metabolic investigation: the impact for patients care**
  Speaker: Rima Nabbout (France) 08:30 - 09:00

**Treatment of epileptic encephalopathy**
Speaker: J Helen Cross (United Kingdom) 09:00 - 09:30

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**VIREPA courses: EEG (basic and advanced)**

- **VIREPA courses: EEG (basic and advanced)**
  Speaker: Elena Gardella (Denmark) 08:00 - 09:30
  Speaker: Michalis Kouroumanidis (United Kingdom)
Scientific Programme

Other
08:00 - 09:30
Lotus 5-7

Video-session: focal seizures

08:00 - 08:40
Video-session: focal seizures
Speaker: Philippe Kahane (France)
Speaker: Philippe Ryvlin (Switzerland)

Paediatrics
08:00 - 09:30
Ballroom C

Treatment and research gap for children with epilepsy in low and middle income countries

There are great inequalities in treatment gaps for children with epilepsy worldwide. In Low and Middle Income Countries (LMICs) specific challenges exist. Various interventions have been attempted but these are often incomplete or not sustainable. More research specifically related to children with epilepsy across aetiologies, co-morbidities, management and outcome is needed. Understanding the current platform of research being undertaken in children with epilepsy in LMICs will guide more targeted approaches to empower clinicians to deliver better care and to lobby for the capacity to do this. This session will explore the challenges of access to care in LMICs, report on the current research trends in children with epilepsy in LMICs and describe the challenges to research in children with epilepsy in LMICs with a plan of how to move forward. Africa will be used as focal point to explore these issues.

Chairs:
Chair: Stéphane Auvin (France)

08:00 - 08:30
Challenges to access to care in LMIC
Speaker: Jo Wilmshurst (South Africa)

08:30 - 09:00
Current research trends in children with epilepsy in LMIC
Speaker: Stéphane Auvin (France)

09:00 - 09:30
Challenges to research in children with epilepsy in LMIC
Speaker: Pauline Samia (Kenya)

Novel therapies in epilepsy: a brave new world

Chairs:
Chair: Lieven Lagae (Belgium)

09:30 - 10:00
Precision medicine: academic dreaming or clinical reality?
Speaker: Samuel Wiebe (Canada)

10:00 - 10:30
Stop epileptogenesis before the seizures start: preventive treatment of epilepsy
Speaker: Terence O’Brien (Australia)

10:30 - 11:00
Only treat when there are seizures: closed loop systems in epilepsy
Speaker: Esther Krook Magnuson (United States)
33rd International Epilepsy Congress (IEC) in Bangkok
June 22-26, 2019

Scientific Programme

Change the brain, stop the seizures: stem cells and genetic therapies in epilepsy
Speaker: Simon Waddington (United Kingdom)

Paediatrics
09:30 - 11:30
Ballroom AB

Improving outcomes in drug-resistant childhood epilepsy: what more can we do?

Chairs:
Chair: Marilisa Guerreiro (Brazil)

Consequences of drug-resistant epilepsies
Speaker: Elaine Wirrell (United States)
09:30 - 10:00

Improving outcomes in early onset epilepsies
Speaker: Jo Wilmshurst (South Africa)
10:00 - 10:30

Innovations in the detection of epileptogenic zone
Speaker: Ana Carolina Coan (Brazil)
10:30 - 11:00

Optimising learning and behavioural potential
Speaker: Colin Reilly (United Kingdom)
11:00 - 11:30

Other
10:00 - 17:00
Poster Area

Adult epileptology 3

Semiological features of psychogenic nonepileptic seizures: insights from Video-EEG monitoring in epilepsy reference center in Buenos Aires, Argentina
Speaker: Silvia Kochen (Argentina)

Risk factors for drug-resistant epilepsy in adult patients with tuberous sclerosis
Speaker: Wanling Li (China)

Correlation of interleukin (IL)-6, IL-2, IL-1β and tumor necrosis factor (TNF)-α, in temporal lobe epilepsy: a study in Indian patients
Speaker: Ayushi Jain (India)

Could rash be an ictal phenomenon in temporal lobe epilepsy
Speaker: Muhammad Bilal (United States)

A study on the clinical profile of adults with new onset seizures presenting to Emergency Department - factors affecting very early seizure recurrence (vESR)
Speaker: Sai Satish (India)

Structural and functional connectivity in newly diagnosed juvenile myoclonic epilepsy
Speaker: Kang Min Park (Korea, Republic of)
Incidence of early post-stroke seizures during reperfusion therapies in patients with acute ischemic stroke: preliminary results from an observational, prospective study  
Speaker: Edoardo Ferlazzo (Italy)

The severity of autonomic dysfunction is associated with the duration of temporal lobe epilepsy (TLE)  
Speaker: Dmitry V Zhuravlev (Russian Federation)

Quality appraisal of guidelines for diagnosis and treatment of rare and complex epilepsies: preliminary results of a survey among partners of the EpiCARE - a European Reference Network for rare and complex epilepsies  
Speaker: Eugen Trinka (Austria)

Association between epilepsy and asthma among Nigerian undergraduates  
Speaker: Emmanuel Olatunde Sanya (Nigeria)

Sudden unexpected death in epilepsy in three young adult patients, serial cases report  
Speaker: Takahiro Mitsueda-Ono (Japan)

The association between gender and seizure type in patients with epilepsy  
Speaker: Listra Isabela Barus (Indonesia)

Profile of intracranial tumors patients with seizures symptoms at Mohammad Hoesin Hospital Palembang  
Speaker: Sri Handayani (Indonesia)

Post traumatic epilepsy due to traumatic brain injury by traffic accidents in neurophysiological explorations laboratory of Marrakesh university hospital  
Speaker: Najib Kissani (Morocco)

A rare case of porencephalic cyst presenting with epilepsy  
Speaker: Lau Yue Hui (Malaysia)

Can Chikungunya encephalitis trigger anti-NMDA receptor encephalitis? A report of 2 cases  
Speaker: HTET Lin (Myanmar)

Basic sciences 3

Tau phosphorylation in refractory temporal lobe epilepsy  
Speaker: Le Zhang (China)

miRNA editing in epilepsy  
Speaker: Ngoc Thanh Nguyen (Ireland)
Human cerebrospinal fluid increased the excitability of network activity and long term survival of human brain tissue slices obtained from patients with epilepsy
Speaker: Jenny Wickham (Germany)

Up-regulated CDK5 and phosphorylation Tau in rhesus with temporal lobe epilepsy induced by masanalactone
Speaker: Jinmei Li (China)

Effects of amiloride, acid-sensing ion channels (ASICs) inhibitor, on the hippocampal neuronal death after pilocarpine-induced seizure
Speaker: Dong Gook Kang (Korea, Republic of)

The expression of Pregnane X receptor and the products of its downstream targeted genes in chronic temporal lobe epilepsy mice
Speaker: Jianhong Wang (China)

Subcellular localization of Sirt3 and interaction between Sirt3 and MnSOD activity during acute status epilepticus
Speaker: Jing Zhu (Korea, Republic of)

Understand auto-antibodies mediated encephalopathies with epilepsy: a new experimental approach and therapeutic targets
Speaker: Laura Librizzi (Italy)

Quantitative correlation between genetic impairment and pathogenicity of TPP1 mutations
Speaker: De-Tian Liu (China)

C-Fos mapping and EEG characteristics of multiple mice brain regions in pentylenetetrazol-induced seizure mice model
Speaker: Wei Shan (China)

Chronic large animal seizure model utilizing swine
Speaker: Yo-Lin Lin (Taiwan, Republic of China)

Entorhinal - hippocampal communication after immature status epilepticus: focus on interictal spikes and concurrent high-frequency oscillations
Speaker: Christos Lisgaras (United States)

Quantifying stability for localization of epileptic dynamics
Speaker: Jaroslav Hlinka (Czech Republic)

GDNF gene therapy for TLE
Speaker: Esbjörn Melin (Sweden)

Clinical neurophysiology 3

Electrical features and seizure outcomes in patients with Focal Cortical Dysplasia: a SEEG study
Speaker: Luca De Palma (Italy)
EEG driving response to intermittent photic stimulation reveals latent features of delayed cerebral maturation and effects of drug therapy in partial epilepsy  
Speaker: Vladimir V. Lazarev (Brazil)

Interictal discharges disrupts functional connectivity in patients with idiopathic generalized epilepsy  
Speaker: Thais Oppenheimer pitanga Rezende (Brazil)

Assessment of usability of passive functional mapping of language for epilepsy surgery  
Speaker: Takumi Mitsuhashi (Japan)

Photosensitivity in focal and generalized Epilepsies-Omani experience  
Speaker: Bosanka Jocic-Jakubi (Oman)

Effects of zonisamide on the quantitative electroencephalogram in epilepsy patients- preliminary data  
Speaker: Chun-Yu Liang (Taiwan, Republic of China)

Bilateral independent periodic discharges in septic cavernous sinus thrombosis and focal seizures: a case report  
Speaker: Chen Fei Ng (Malaysia)

Subdural ictal DC shifts had both rapid- and slow development pattern whereas scalp-recorded DC shifts mainly showed rapid development pattern  
Speaker: Shunsuke Kajikawa (Japan)

Diagnostic value of short-term video-EEG monitoring for epilepsy in low-resource country  
Speaker: Uyen-Phuong Nguyen Hoang (Viet Nam)

Temporal dynamic of the functional connectivity towards the seizure - key to the epileptogenesis?  
Speaker: Eva Peslova (Czech Republic)

Peri ictal electrocardiographic abnormalities in pediatric patients with epilepsy: a prospective study  
Speaker: Keryma Acevedo (Chile)

The Danish protocol for the diagnostic assessment of ESES/CSWS  
Speaker: Jane Eriksen (Denmark)

Preoperative evaluation of speech and memory dominance by intracarotid Wada test with Propofol  
Speaker: Takeharu Kunieda (Japan)

Integrated Video EEG computational analysis of convulsive seizure dynamics and post-ictal electrographic suppression. Possible application in SUDEP forecast and alerting  
Speaker: Stiliyan Kalitzin (Netherlands)

Correlation of basic level inter-ictal EEG localization with semiology and MRI in symptomatic focal epilepsies  
Speaker: Sawsan Albaazi (Iraq)
Experience in providing short time training on EEG recording technique and reviewing in Bangladesh, Tanzania and Ghana
Speaker: Selina Banu (Bangladesh)

Comorbidities 3

Intelligence quotient assessment in children with epilepsy
Speaker: Hula Shareef (Iraq)

The effect of delayed anti-NMDAR encephalitis recognition on disease outcome
Speaker: Vlatko Sulentic (Croatia)

The risk of sleep-disordered breathing in patients with epilepsy
Speaker: Chiu-Jung Lin (Taiwan, Republic of China)

Prevalence of sleep disorders in patients with pharmacoresistant epilepsy
Speaker: Rodrigo Rocamora (Spain)

The risk of dementia in the patients with epilepsy
Speaker: Yue-Loong Hsin (Taiwan, Republic of China)

Epilepsy and psychotropic medications
Speaker: Muhammad Bhatti (United States)

Effect of chronic seizures on the murine gut microbiota
Speaker: Allison Bouslog (United States)

Distribution of NMDA receptors and Immunoglobulin G in Tumors with anti-NMDAR encephalitis
Speaker: Xin-Yue Jiang (China)

Drug therapy 3

Treatment with brivaracetam in children - the experience of a pediatric epilepsy center
Speaker: Andreea Nissenkorn (Israel)

Adjunctive brivaracetam in everyday clinical practice: an interim analysis
Speaker: Martin Brodie (United Kingdom)

The intricacy of old antiepileptic drugs selection: monotherapy vs polytherapy
Speaker: Retno Jayantri Ketaren (Indonesia)
Association of antiepileptic drugs with high sensitive C-reactive protein, lipid profile and uric acid in epilepsy patients
Speaker: Dira Wahyuni Siregar (Indonesia)

Perampanel administration as an add-on therapy in patients with partial seizures
Speaker: Thiparpa Thamamongood (Japan)

Adverse events of antiepileptic drugs using Indonesian version of liverpool adverse events profile in Prof. R. D. Kandou Hospital Manado, Indonesia
Speaker: Eric Tanoto (Indonesia)

Electrophysiological effects after withdrawal of perampanel in the first 72h
Speaker: Pieter van Mierlo (Belgium)

Levetiracetam induced DRESS syndrome in a patient with previous anticonvulsant hypersensitivity reaction to carbamazepine
Speaker: Yi-Wen Pan (China)

Clinical experience with perampanel for refractory epilepsy in one Taiwan medical center
Speaker: Ying-Chi Fan (Taiwan, Republic of China)

Efficacy and safety of perampanel (PER) as adjunctive therapy in patients with Tuberous sclerosis complex
Speaker: Antonietta Coppola (Italy)

EEG before discontinuing antiepileptic drugs in well controlled childhood epilepsy: is it useful in properly guiding the clinician in decision making?
Speaker: Vivek Sirolia (India)

Purified Cannabidiol for treatment of refractory epilepsies in pediatric patients with developmental and epileptic encephalopathy
Speaker: Nicola Pietrafusa (Italy)

Risk factors of seizure aggravation and freedom in patients with pharmacoresistant epilepsy in perampanel
Speaker: Kuang-Lin Lin (Taiwan, Republic of China)

Adjunctive perampanel treatment in adolescents with epilepsy
Speaker: Jon Soo Kim (Korea, Republic of)

How to optimize the medication for epileptic seizures of ring chromosome 20 syndrome?
Speaker: Hitoshi Ikeda (Japan)

Retention study of adjunctive perampanel treatment in patients with refractory epilepsy at a single tertiary care center
Speaker: TingRong Hsu (Taiwan, Republic of China)

Efficacy and safety of perampanel in children under 18 years of age with drug resistant epilepsy
Speaker: Chien Chen (Taiwan, Republic of China)
Scientific Programme

Efficacy and safety of adjunctive perampanel in Indian patients with partial-onset seizures (POS) or primary generalised tonic-clonic seizures (PGTCS): post hoc analysis of Phase II and III double-blind and open-label extension (OLEx) studies
Speaker: Man Mohan Mehndiratta (India)

Clinical implications of measuring newer antiepileptic drugs blood levels in patients with epilepsy
Speaker: Siew-Na Lim (Taiwan, Republic of China)

Efficacy and tolerability of perampanel in add-on therapy in real clinical praxis. An observatory study from the epilepsy centre of University Hospital Bratislava, Slovakia
Speaker: Gabriela Timárová (Slovakia)

Efficacy and tolerability of perampanel as first add-on therapy in patients with epilepsy: a retrospective single center study
Speaker: Chin-Wei Huang (Taiwan, Republic of China)

Comparison of efficacy and tolerability of perampanel in the high and regular dosage of refractory epilepsy patients
Speaker: Yao-Chung Chuang (Taiwan, Republic of China)

Perampanel in patients with pharmacoresistant nocturnal frontal lobe epilepsy
Speaker: Tony Wu (Taiwan, Republic of China)

Perampanel: effect on EEG interictal abnormalities and background activity in patients affected by focal epilepsy
Speaker: Angelo Russo (Italy)

Efficacy and safety of perampanel monotherapy in previously untreated patients with partial-onset seizures (POS): primary analysis of Study 342 (FREEDOM study)
Speaker: Takamichi Yamamoto (Japan)

Other
10:00 - 17:00
Poster Area

Epidemiology 3

Doctor, can you tell me my chances of having a posttraumatic epilepsy? A validated nomogram for risk prediction
Speaker: Xueping Wang (China)

Prevalence of vitamin D deficiency and insufficiency and its risk factors in paediatric patients with epilepsy
Speaker: Chung Yin Mo (Hong Kong)

Direct medical cost of epilepsy treatment in patients with intractable epilepsy (patient perspective) at Pediatric Neurology Clinic, Prasat Neurological Institute
Speaker: Panisra Sudachan (Thailand)
Scientific Programme

Burn injury in patients with epilepsy: the character and risk factors in West China
Speaker: Lu Lu (China)

Long-term prognostic patterns and predictors in epilepsy
Speaker: Ettore Beghi (Italy)

Epidemiology of epilepsy in the National Hospital of Quetzaltenango, Guatemala
Speaker: Victor Garcia (Guatemala)

Web-approach epidemiology study of drug-resistant temporal lobe epilepsy in Uzbekistan
Speaker: Dilrabo Azimova (Uzbekistan)

Epilepsy in severely resource-restricted settings 2

Protocol outpatient therapies with ketogenic diet (TKD) developed by Metabolic Therapies (MT (R) ) for the management of refractory epilepsy (RE) in Colombia
Speaker: Adriana Puerta (Colombia)

Has epilepsy surgery reached the 'resource-constrained' masses?
Speaker: George Vilanilam (India)

Efficacy of Modified Atkins Diet (MAD) as treatment for intractable epilepsy in children - a randomized controlled trial
Speaker: Nazmul Haque (Bangladesh)

An Implementation research on epilepsy management services for nomadic and displaced communities in Kenya and South Sudan
Speaker: Rosemary Gathara (Kenya)

Epilepsy: Namibian healthcare providers’ perceptions and experiences
Speaker: Chrisma Pretorius (South Africa)

Ketogenic diet in case of subacute sclerosing panencephalitis: a case report
Speaker: Dhanashri Khedekar (India)

Epilepsy surgery 3

A novel brain state analysis to help determining epilepsy surgery outcome
Speaker: Rodrigo Rocamora (Spain)
Predictors of seizure relapse after resective surgery for temporal lobe epilepsy in an era of new antiepileptic drugs: a multivariate analysis  
Speaker: Hideaki Tanaka (Japan)

Epilepsy surgery for paediatric dysembryoplastic neuroepithelial tumours (DNET) - the Royal Manchester Children’s Hospital experience  
Speaker: Majid Aziz (United Kingdom)

Stereo-EEG in the pre-surgical evaluation in children with MR-negative and structural multifocal epilepsy  
Speaker: Sofia Popovich (Russian Federation)

Transablation: a new technique utilizing stereotactic radiofrequency ablation to perform multiple hippocampal transections at the bedside  
Speaker: Macym Rizvi (United States)

Barriers to epilepsy surgery: an assessment in Canada, Mexico and Colombia  
Speaker: Jose Tellez-Zenteno (Canada)

Surgery vs no surgery in MRI negative temporal drug resistant forms of epilepsy  
Speaker: Mikhail Sinkin (Russian Federation)

Temporal lobe epilepsy surgery with non-lesional brain magnetic resonance: our experience  
Speaker: Marina Aberastury (Argentina)

Surgical treatment of pharmacoresistant extratemporal epilepsy in children  
Speaker: Sofia Popovich (Russian Federation)

Stereotactic radiofrequency amygdalohippocampotomy for mesial temporal lobe epilepsy  
Speaker: Victoria Nezdorovina (Russian Federation)

The structure of paroxysmal syndrome in patients with cerebral aneurysms  
Speaker: Anna Oleynik (Russian Federation)

Prevalence of copy number variation in adults with epilepsy and intellectual disability  
Speaker: Danielle Andrade (Canada)

A report of two mutations affecting GABAergic signaling in patients with gray matter heterotopias and seizure  
Speaker: Yi-Ting Hsu (Taiwan, Republic of China)

Regional specificity of KCNQ2 missense variants causing benign or epileptic encephalopathy phenotype  
Speaker: Atsushi Ishii (Japan)
Scientific Programme

PCDH19-developmental encephalopathy with fever-associated epilepsy in males with mosaic mutations
Speaker: Artem Sharkov (Russian Federation)

Study of the association between human leukocyte antigens (HLA) and carbamazepine-induced maculopapular rash in Thais
Speaker: Apisit Boongird (Thailand)

Clinical and mutations analysis of two children with infantile Sandhoff disease and literature review
Speaker: Xuqin Chen (China)

Recent developments in epigenetics of epilepsy: from research to clinical applications
Speaker: Assam El-Osta (Australia)

Epilepsy with periventricular calcification and atypical down syndrome phenotype in a Thai girl with ring chromosome 21
Speaker: Aphirak Mekmangkonthong (Thailand)

Dravet syndrome diagnosed in adult age
Speaker: Ana Sruk (Croatia)

Clinical Exome testing in Siberian patients with juvenile myoclonic epilepsy
Speaker: Kristina Yakovleva (Russian Federation)

Other
10:00 - 17:00
Poster Area

Neuroimaging 3

Feasibility of guiding stereoelectroencephalography (sEEG) implantation in focal epilepsy with automated MRI analysis
Speaker: Konrad Adler-Wagstyl (United Kingdom)

FDG-PET assessment in Lafora disease: case series and literature review
Speaker: Lorenzo Muccioli (Italy)

Characteristics of perfusion computed tomography imaging in patients with seizures as stroke mimics
Speaker: Ching Soong Khoo (Malaysia)

Intracranial calcifications associated to epilepsy: a case report of lipoid proteinosis
Speaker: Carmen Arenas Cabrera (Spain)

Altered functional connectivity strength in neuronal migration disorder: a resting state functional MRI study
Speaker: Wenyu Liu (China)

The study of magnetoencephalography and magnetic source imaging in patients with epilepsy associated Sturge-Weber syndrome
Speaker: Guoming Luan (China)
Scientific Programme

MRI-etiology parallels study of medial and lateral temporal lobe epilepsy in Uzbekistan
Speaker: Dilrabo Azimova (Uzbekistan)

Patients with HS types 1 and 2 present with differences in extrahippocampal MTR
Speaker: Jose Eduardo Peixoto Santos (Brazil)

Distance-enriched functional connectomics in drug-resistant temporal lobe epilepsy
Speaker: Sara Lariviere (Canada)

Characteristics MRI findings in patient with seizures induced by hyperglycaemia
Speaker: Marlene, Huamani-Mendoza, (Peru)

Widespread alterations in functional connectome embedding following temporal lobe epilepsy surgery
Speaker: Sara Lariviere (Canada)

Construction of pepstatin A-conjugated ultrasmall SPIONs for targeted positive MR imaging of epilepsy-overexpressed P-glycoprotein
Speaker: JUN Zhang (China)

Early experience of using a voxel-based MRI post-processing technique in MRI-negative patients who underwent epilepsy surgery in Thailand
Speaker: Apisit Kaewsanit (Thailand)

An intriguing neuroimaging and stimulating story: a case report
Speaker: Ohnmar Ohnmar (Myanmar)

Other
10:00 - 17:00
Poster Area

Neuropsychology 2

Social functioning and health-related quality of life trajectories in people with epilepsy after epilepsy surgery
Speaker: Po-Tso Lin (Taiwan, Republic of China)

The emotional and behavioural comorbidities of epilepsy in Singaporean children based on parent and teacher ratings on the child behaviour checklist
Speaker: Catherine Jean Hayes (Singapore)

Neurocognitive correlates of seizure disorders in preschool children from rural Kenya: a population-based study
Speaker: Symon M. Kariuki (Kenya)

Terminating pattern of ictal high-frequency oscillations is associated with short-term recurrence of seizures
Speaker: Syu-Jyun Peng (Taiwan, Republic of China)

Methohexital (Brevital) - induced lateralized periodic discharges during Wada test
Speaker: Omar Danoun (United States)
Factors contributing to social anxiety in Korean adults with epilepsy  
Speaker: Su-Hyun Han (Korea, Republic of)

Compensatory cognitive training in epilepsy: status, challenges and a way forward  
Speaker: Shivani Sharma (India)

The clinical study on the characteristics of the cognition in temporal lobe epilepsy patients and its influencing factors  
Speaker: Yang Cai (China)

A case study illustrating the positive contributions of advanced neuroimaging and neuropsychological assessment on cognitive outcomes in paediatric epilepsy surgery  
Speaker: Sarah Barton (Australia)

Paediatric epileptology 3

Infantile epileptic channelopathies: molecular genetics and clinical phenotypes  
Speaker: Prashant Jauhari (India)

Acute symptomatic seizures revealing Sanjad-Sakati syndrome: new three Tunisian cases  
Speaker: Chahnez Triki (Tunisia)

5 cases of variants of solute carrier family (SLC) in intractable epilepsy patients  
Speaker: Ji-Hoon Na (Korea, Republic of)

Plasma levels of interleukins (IL-1β, IL-6, IL-10 and TNF-α) in pediatric patients with temporal and extratemporal pharmacoresistant epilepsy  
Speaker: Luis Angel Álvarez-Perera (Mexico)

Eating related epilepsy in a 5-month-old baby  
Speaker: Dong-Uk Kim (Korea, Republic of)

A unique variant of West Syndrome-Case series of vitamin B12 responsive epileptic encephalopathy  
Speaker: Harshkumar Patel (India)

Diagnostic optimization approach in epilepsy and cerebral palsy in children in Uzbekistan  
Speaker: Rakhimjon Buriev (Uzbekistan)

West syndrome: clinical and electric characteristics in mitochondrial diseases  
Speaker: Chahnez Triki (Tunisia)

Perampanel as effective add-on antiepileptic drug for refractory epilepsy in a patient with MECP2 duplication syndrome  
Speaker: Jao-Shwann Liang (Taiwan, Republic of China)
Scientific Programme

Treatment outcome of children with early onset seizures with global developmental delay due to congenital CMV infection at Dr. MR Khan Shishu (Children) Hospital and ICH
Speaker: Selina Banu (Bangladesh)

Clinical analysis of status epilepticus in 298 children
Speaker: Xuqin Chen (China)

A rare cause of early onset epileptic syndrome: a case with beta-propeller-protein-associated neurodegeneration having a new mutation
Speaker: Nezir Özgün (Turkey)

Epileptic syndromes in the children with prior febrile seizures
Speaker: Hieu Anh Bui (Viet Nam)

Gelastic epilepsy without hypothalamic hamartoma with short stature, learning disability and precocious puberty
Speaker: Montida Veeravigrom (Thailand)

Adjuvant perampanel treatment in children under 4 years old with refractory epilepsy: a single-center, retrospective observational study
Speaker: Lee Chin Wong (Taiwan, Republic of China)

Ring chromosome 20 syndrome: electro-clinical finding as a diagnostic clue in children
Speaker: Chanikhan Sattaporn (Thailand)

Risk for brain MRI abnormalities associate with vigabatrin use (case presentation)
Speaker: Cornelia Calcii (Moldova, Republic of)

The clinical-electroencephalographical features in children with Rett syndrome
Speaker: Cornelia Calcii (Moldova, Republic of)

Epilepsy in children with Autism Spectrum Disorder: its prevalence, associated factors, effect on severity of autism and treatment implications-experience from a tertiary care center in North India
Speaker: Prateek Kumar Panda (India)

ZEB2 mutation in a child with periventricular nodular heterotopia and developmental epileptic encephalopathy
Speaker: Young Ok Kim (Korea, Republic of)

Estimate intellectual function in children with epilepsy
Speaker: Ngoc Trieu Hoang (Viet Nam)

Concomitant immunosuppression and ketotherapy in Rasmussen encephalitis: open case report
Speaker: Ondřej Horák (Czech Republic)

Epilepsy and neurological abnormalities in a child with cutis marmorata telangiectatica congenita
Speaker: Chew Thye Choong (Singapore)

 Syndromes of eyelid myoclonia with absence and epilepsy with myoclonic absences: Under-recognised generalised pediatric epilepsies
Speaker: Prabhjot Kaur (India)
Scientific Programme

Altered Akkermansia muciniphila through ACTH therapy with west syndrome reveals a significant existence
Speaker: Feng Gao (China)

Everolimus in treatment of refractory seizures in TSC
Speaker: Marina U Dorofeeva (Russian Federation)

Dravet's syndrome presenting with infantile spasms
Speaker: Sameena Khan (Saudi Arabia)

Neuroradiological findings in patients with infantile spasms
Speaker: Sameena Khan (Saudi Arabia)

Psychiatry

Prospective analysis of aggression as psychiatric side-effect associated with AED use - Buss-Perry Aggression Questionnaire
Speaker: Mihoko Kawai (Japan)

Psychiatric comorbidities in patients with temporal lobe epilepsy are not related to 5-HT transporter
Speaker: Kette Dualibi Ramos Valente (Brazil)

Antidepressant effect of new antiepileptic drugs in mice
Speaker: Liang-Po Hsieh (Taiwan, Republic of China)

Affective somatomorf dysphoric disorder of epilepsy relates to low quality of life and suicide risk in Colombian epilepsy patients: a cross-sectional study with analytical component
Speaker: Manuela Ochoa-Urrea (Colombia)

Anxiety disorders among people with epilepsy in various out-patients at Tribhuvan University Teaching Hospital
Speaker: Ravi Raj Timasina (Nepal)

Autism spectrum disorders in Dravet syndrome: delineation of a specific phenotype?
Speaker: Rima Nabbout (France)

De novo psychogenic non-epileptic seizures (PNES) after epilepsy surgery. A European multicenter retrospective cohort study
Speaker: Sofia Markoula (Greece)

Childhood trauma of patients with psychogenic non-epileptic seizures (PNES) in China: elevated prevalence and harmful impacts
Speaker: Dong Zhou (China)

Psychosis as a comorbidity of epilepsy: frequency, settings, management and outcomes
Speaker: SOAHAM DESAI (India)
Scientific Programme

Social issues / Nursing 3

- **Improvement of quality of life in adolescent with epilepsy after an empowerment and sailing experience**
  Speaker: Ilaria Tondo (Italy)

- **Health-related quality of life and its predictors among adults with epilepsy in Singapore**
  Speaker: Pei Shieen Wong (Singapore)

- **Knowledge of epilepsy and antiepileptic drugs of supply chain workers dispensing drugs to patients in Lao PDR and Cambodia**
  Speaker: Noudy Sengxeu (France)

- **Factors associated with felt stigma level in people with epilepsy in Moscow**
  Speaker: Alla Guekht (Russian Federation)

- **A study on knowledge attitude practice of epilepsy and marriage in bengali speaking people attending a tertiary care hospital**
  Speaker: Goutam Ganguly (India)

- **Everything is as before but nothing is as it was. A Scientific and Qualitative Research Study exploring the experience of life among adult patients with refractory epilepsy after eight weeks of multidisciplinary rehabilitation interventions**
  Speaker: Trine Moos (Denmark)

- **Perceptions and practices of self-management of Filipino persons with epilepsy**
  Speaker: Vida Margarette Andal (Philippines)

- **Difference of knowledge and attitude toward epilepsy between neurology staff and non-neurology staff in Dr. Soetomo General Hospital, Surabaya, Indonesia**
  Speaker: Ersifa Fatimah (Indonesia)

Status epilepticus 3

- **Validation of END IT score in children aged 1month to 14 years with convulsive status epilepticus**
  Speaker: Richa Tiwari (India)

- **The EEG diagnosis of NCSE: concordance between Salzburg criteria and clinical practice**
  Speaker: Giada Giovannini (Italy)

- **Status epilepticus; an Egyptian hospital-based prospective study on clinical characteristics & outcome of admission**
  Speaker: Alshimaa Othman (Egypt)
**Scientific Programme**

**Fatal status epilepticus and acute encephalopathy in Dravet syndrome: a multicenter survey**  
Speaker: Paola De Liso (Italy)

**Clinical considerations when initiating ketogenic diet therapy for treatment of adults with super-refractory status epilepticus**  
Speaker: Neha Kaul (Australia)

**Perampanel in post-anoxic myoclonic status epilepticus**  
Speaker: Jae-Moon Kim (Korea, Republic of)

**Nonconvulsive status epilepticus treated with oral lacosamide**  
Speaker: Jelena Saric Sucic (Croatia)

11:30 - 12:30  
**ILAE-YES Exhibition**

**ILAE-YES Brainstorming Session: Cannabinoids: high hopes for the treatment of epilepsy**

**Chairs:**  
Chair: Simona Balestrini (United Kingdom)

Management Issues (medical or surgical)  
12:00 - 13:30  
**Convention Hall**

**Epilepsy surgery: the cutting edge and level of evidence**

**Chairs:**  
Chair: Jeffrey Britton (United States)  
Chair: Shih Hui Lim (Singapore)

- **Evidence-based novel neurophysiology**  
  Speaker: Julia Jacobs (Germany)  
  12:00 - 12:20

- **Diagnostic imaging and multimodal integration**  
  Speaker: Petr Marusic (Czech Republic)  
  12:20 - 12:40

- **Insular epilepsies**  
  Speaker: Philippe Kahane (France)  
  12:40 - 13:00

- **New therapeutic technologies (focused ultrasound, laser therapy, SEEG, RF ablation and others)**  
  Speaker: Michael Sperling (United States)  
  13:00 - 13:20
Scientific Programme

Social Issues
12:00 - 13:30  Ballroom AB

Moving beyond the medical management of epilepsy

Chairs:
Chair: Ding Ding (China)
Chair: Graeme Shears (Australia)

**Epilepsy and social justice**
Speaker: Jacob Mugumbate (Australia)
12:00 - 12:20

**Implementing school programs**
Speaker: Michelle Franklin (Canada)
12:20 - 12:40

**Patient and family education**
Speaker: Carol D'Souza (India)
12:40 - 13:00

**Training and employment**
Speaker: Li Min Li (Brazil)
13:00 - 13:20

Clinical
12:00 - 13:30  Lotus 1-4

Optimizing therapy for Dravet Syndrome: so many choices but what should I pick?

Dravet syndrome is a drug-resistant epilepsy that begins in the first year of life. Children present with prolonged hemiconvulsive seizures which are often febrile-related, and progress to recurrent status epilepticus. Over time, they develop other seizure types, intellectual disability, gait, behavioral and psychiatric disorders. Seizure-related mortality is high due to SUDEP, status epilepticus and accidental injury.

The last several years have seen development of several therapies with three orphan drugs (Stiripentol, Cannabidiol and Fenfluramine) supported by randomized, placebo controlled studies with demonstrated efficacy. These results question our current treatment algorithm and ultimate goals of treatment for optimal patient-centered care.

Chairs:
Chair: Elaine Wirrell (United States)

**Stiripentol in Dravet Syndrome**
Speaker: Elaine Wirrell (United States)
12:00 - 12:20

**Cannabidiol in Dravet Syndrome**
Speaker: Anup Patel (United States)
12:20 - 12:40

**Fenfluramine in Dravet Syndrome**
Speaker: An-Sofie Schoonjans (Belgium)
12:40 - 13:00

**Is it time to update the treatment proposal**
Speaker: Rima Nabbout (France)
13:00 - 13:20

**Panel and audience discussion**
Speaker: Rima Nabbout (France)
Speaker: Elaine Wirrell (United States)
Speaker: Anup Patel (United States)
Speaker: An-Sofie Schoonjans (Belgium)
Speaker: Ingrid Scheffer (Australia)
Speaker: J Helen Cross (United Kingdom)
13:20 - 13:30
Management Issues (medical or surgical)
12:00 - 13:30
Lotus 5-7

**Neuropsychology: implications for epilepsy surgery**

**Chairs:**
Chair: Sallie Baxendale (United Kingdom)
Chair: Christoph Helmstaedter (Germany)

- **Standardising paradigms for pre-surgical evaluation**
  Speaker: Christoph Helmstaedter (Germany)
  12:00 - 12:22

- **Red flags: cognitive contraindications to surgery**
  Speaker: Sallie Baxendale (United Kingdom)
  12:22 - 12:44

- **Rehabilitation and the potential for plasticity and cognitive recovery**
  Speaker: Sarah Wilson (Australia)
  12:44 - 13:06

- **Imaging techniques to assess language and memory**
  Speaker: Graeme Jackson (Australia)
  13:06 - 13:28

Other
12:00 - 13:30
Ballroom C

**Epilepsy in the elderly**

**Chairs:**
Chair: Naoki Akamatsu (Japan)
Chair: Martin Brodie (United Kingdom)

- **Epidemiology of elderly epilepsy**
  Speaker: Alla Guekht (Russian Federation)
  12:00 - 12:20

- **Challenges of epilepsy diagnosis in elderly people**
  Speaker: Martin Brodie (United Kingdom)
  12:20 - 12:40

- **Epilepsy and the challenges of longevity**
  Speaker: Naoki Akamatsu (Japan)
  12:40 - 13:00

- **Treatment and drug interactions**
  Speaker: Eugen Trinka (Austria)
  13:00 - 13:20

Satellite Symposia
13:30 - 15:00
Lotus 5-7

**GW Pharmaceuticals: Science, innovation and technology in epilepsy**

**Chairs:**
Chair: Philippe Ryvlin (Switzerland)

- **Seizure detection using wearable devices: a modern possibility?**
  Speaker: Sándor Beniczky (Denmark)
  13:30 - 14:00

- **Innovations in epilepsy: today’s science, tomorrow’s technology**
  Speaker: Mark Cook (Australia)
  14:00 - 14:30
33rd International Epilepsy Congress (IEC) in Bangkok  
June 22-26, 2019

Scientific Programme

The role of big data and deep learning in epilepsy diagnosis  
14:30 - 15:00  
Speaker: Pablo Botas (Spain)

'Bdatatype Open' Prize - Basic Science

Chairs:  
Chair: Aristeia Galanopoulou (United States)  
Chair: Ronit Pressler (United Kingdom)

Regulation of seizures induced by stress and brain trauma through the intestinal microbiome  
15:00 - 15:10  
Speaker: Jesús-Servando Medel-Matus (United States)

Paediatrics

15:30 - 16:30  
Convention Hall

Paediatrics 2

Chairs:  
Chair: Federico Vigevano (Italy)  
Chair: Jaime Carrizosa (Colombia)

Spectrum of epileptic syndromes in severe epilepsies of infancy: a population-based study  
15:30 - 15:45  
Speaker: Katherine B Howell (Australia)

Comparison of 1981, 1989 and 2017 International League Against Epilepsy classification (ILAE)  
15:45 - 16:00  
Speaker: David Asish Manchala (India)

Paediatric Status Epilepticus: identification of prognostic factors using the new ILAE classification  
16:00 - 16:15  
Speaker: Nicola Pietrafusa (Italy)
Scientific Programme

DILT (Daily vs Intermittent LGIT) trial-comparison of efficacy of daily and intermittent low glycemic index therapy diet among children with drug resistant epilepsy aged 1-15 years: a randomized controlled non-inferiority trial
Speaker: Prateek Kumar Panda (India)

15:30 - 16:30
Ballroom AB
ILAE-YES Best Presenter Award
Chair: Pablo Casillas-Espinosa (Australia)
Chair: Christos Lisgaras (United States)

Other
15:30 - 16:30
Lotus 1-4
Psychosocial issues 2
Chair: Ding Ding (China)
Chair: Candan Gurses (Turkey)

Epilepsy educational software programme as a tool to improve the awareness, knowledge and attitude among Malaysian parents of children with epilepsy
Speaker: Wei Kang Lim (Malaysia)

Fostering and developing sustainability: a post-implementation survey of an epilepsy self-management program
Speaker: Barbara Jobst (United States)

Co-occurrence of psychosis & epilepsy: a systematic review and meta-analysis of the epidemiology
Speaker: Churl-Su Kwon (United States)

Language and communication abilities in temporal lobe epilepsy patients: right vs. left hemisphere’s processing
Speaker: Silvia Kochen (Argentina)
33rd International Epilepsy Congress (IEC) in Bangkok  
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Scientific Programme

Neurophysiology / Basic sciences

Chairs:
Chair: Felix Rosenow (Germany)
Chair: Terence O’Brien (Australia)

Functional analysis of catastrophic childhood epilepsy genes: the Epilepsy Zebrafish Project (EZP)  
Speaker: Scott Baraban (United States)  
15:30 - 15:45

Phase amplitude coupling of low frequencies with high frequency oscillations localizes epileptogenic zone in magnetoencephalography (MEG)  
Speaker: G K Bhargava (India)  
15:45 - 16:00

How do epileptic foci generate both spikes and seizures?  
Speaker: Kevin Staley (United States)  
16:00 - 16:15

Video EEG with Suggestion (VEST) trial-Comparison of efficacy between suggestion methods during Video EEG recording: verbal suggestion in isolation and verbal suggestion along with cotton swab or tuning fork for inducing the paroxysmal event in children aged 5 to 18 years with suspected psychogenic nonepileptic seizures-a randomized controlled non-inferiority trial  
Speaker: Prateek Kumar Panda (India)  
16:15 - 16:30

Genetics 2

Chairs:
Chair: Patrick Kwan (Australia)
Chair: KP Vinayan (India)

Efficacy of voltage-gated sodium channel subtype selective compounds in a novel zebrafish model for Dravet syndrome  
Speaker: Wout Jan Weuring (Netherlands)  
15:30 - 15:45

Epilepsy characteristics in Colombian infants with congenital Zika syndrome  
Speaker: Blanca Doris Rodriguez Clavijo (Colombia)  
15:45 - 16:00

Characterization of focal and generalized epilepsy polygenic burden in 630,603 individuals  
Speaker: Costin Leu (United States)  
16:00 - 16:15

Deep sequencing in paired brain and peripheral tissues reveals the contribution of somatic and germline mutations to intractable childhood epilepsy  
Speaker: Hoon-Chul Kang (Korea, Republic of)  
16:15 - 16:30
Scientific Programme

16:30 - 17:30

ILAE-YES Exhibition

ILAE-YES Career Development Session: How to plan a research project and find appropriate funding

Chairs:
Chair: Katja Kobow (Germany)

Other
17:00 - 18:00

Is it advisable to taper medication in well-controlled patients with symptomatic adult-onset focal epilepsy?

Chairs:
Chair: Patrick Kwan (Australia)

Opening including audience vote
Speaker: Patrick Kwan (Australia)
17:00 - 17:02

No
Speaker: Alejandro De Marinis (Chile)
17:02 - 17:22

Yes
Speaker: KP Vinayan (India)
17:22 - 17:42

Rebuttal
Speaker: Alejandro De Marinis (Chile)
17:42 - 17:47

Rebuttal
Speaker: KP Vinayan (India)
17:47 - 17:52

Q&A and audience vote
17:52 - 18:00

Other
17:00 - 18:00

Diagnose/classify this

Chairs:
Chair: Sameer Zuberi (United Kingdom)
Chair: Reetta Kälviäinen (Finland)

Case: One brain - two childhood epileptic syndromes? CAE & BECTS – can we still label them as benign?
Speaker: Bosanka Jocic-Jakubi (Oman)
17:00 - 17:12

Case 2
Speaker: Sameer Zuberi (United Kingdom)
17:12 - 17:24

Case 3
Speaker: Reetta Kälviäinen (Finland)
17:24 - 17:36
Scientific Programme

Case 4
Speaker: Sameer Zuberi (United Kingdom)
17:36 - 17:48

Case 5
Speaker: Reetta Kälviäinen (Finland)
17:48 - 18:00

Do the new classifications of seizures and epilepsy improve our ability to classify, diagnose, and treat epilepsy in the clinic?

Chairs:
Chair: Ivan Rektor (Czech Republic)

Yes
Speaker: Ingrid Scheffer (Australia)
17:00 - 17:30

No
Speaker: Felix Rosenow (Germany)
17:30 - 18:00

Generalised epilepsy genetics: distinct syndromes or murky margins?

The genetic generalized epilepsies comprise approximately 20-30% of all epilepsies and affect otherwise healthy individuals. Four main syndromes comprise genetic generalized epilepsy: Childhood Absence Epilepsy, Juvenile Absence Epilepsy, Juvenile Myoclonic Epilepsy and Epilepsy with Generalized Tonic Clonic Seizures Alone. While a genetic predisposition is inferred, specific mutations may not always be found. Additionally, there is often phenotypic heterogeneity as the specific syndromes may vary amongst family members. Furthermore, it is not uncommon that individuals with one syndrome evolve to a different syndrome over time.

This forum will focus on definitions of CAE, JAE, JME and EGTCA, specifically addressing the boundaries and overlap between the various syndromes.

Chairs:
Chair: Nicola Specchio (Italy)

How do we currently define each syndrome?
Speaker: Marina Trivisano (Italy)
17:00 - 17:22

What are clinical similarities and differences?
Speaker: Kate Riney (Australia)
17:22 - 17:44

What are electrographic similarities and differences?
Speaker: Nicola Specchio (Italy)
17:44 - 18:06

Should the definitions change? If so, how? - Discussion
Speaker: Elaine Wirrell (United States)
Speaker: Rima Nabbout (France)
Speaker: Nicola Specchio (Italy)
18:06 - 18:28
Teaching course for neurophysiology technicians

There is no additional charge for this course, but places on this course must be booked in advance. Booking is available via the congress registration system and more information on the availability of the course is available at https://www.epilepsycongress.org/iec/registration/.

This course is supported by an unrestricted educational grant from Philips. The company has no input in the structure or content of, or speakers at, the teaching course.

Chairs:
Chair: Sándor Beniczky (Denmark)

Speaker: Sándor Beniczky (Denmark)
Speaker: Christian Skaarup (Denmark)
Speaker: Anders Bach Justesen (Denmark)

Video-session: generalized seizures

Speaker: Ronit Pressler (United Kingdom)
Speaker: Guido Rubboli (Denmark)

VIREPA courses: sleep and pediatric EEG

Speaker: Al de Weerd (Netherlands)
Speaker: Dana Craiu (Romania)

Applied technology in the future of epilepsy

Chairs:
Chair: Sándor Beniczky (Denmark)
Chair: Mark Cook (Australia)
Seizure detection based on movement: EMG and accelerometry 09:30 - 10:00
Speaker: Sándor Beniczky (Denmark)

Seizure detection based on autonomic changes: ECG and electrodermal activity 10:00 - 10:30
Speaker: Gregory Krauss (United States)

Therapeutic wearable devices 10:30 - 11:00
Speaker: Mark Cook (Australia)

Wearable devices for SUDEP prevention 11:00 - 11:30
Speaker: Philippe Ryvlin (Switzerland)