Paediatric Epileptology
14:00 - 16:30
Suite 3&4

Neonatal seizure guidelines - by the Neonatal Seizure Task Force of the ILAE Commission on Pediatrics

Chairs:
Chair: Stéphane Auvin (France)

Why we need guidelines for neonatal seizures
Speaker: Linda De Vries (Netherlands)

How to do guidelines
Speaker: Jo Wilmshurst (South Africa)

Where are we in the update of the guidelines for neonatal seizures?
Speaker: Ronit Pressler (United Kingdom)
Speaker: Hans Hartmann (Germany)

Interaction with the audience based on clinical case presentation
Speaker: Martha Feucht (Austria)
Speaker: Stéphane Auvin (France)

Aetiology, Classification, Semiology, Other
14:30 - 16:00
Strauss 2

Sex matters - also in epilepsy

Chairs:
Chair: Oliver Henning (Norway)
Chair: Dana Ekstein (Israel)

Prevalence and characteristics of sexual dysfunction in patients with epilepsy
Speaker: Oliver Henning (Norway)

Sexual dysfunction in patients with epilepsy: Pathogenic mechanisms
Speaker: Gerhard Luef (Austria)

Doctor, I have lost interest in sex - what to do?
Speaker: Anneliese Schwenkhagen (Germany)

Sexual function after epilepsy surgery
Speaker: Kurupath Radhakrishnan (India)
Epilepsy Surgery
14:30 - 16:00

Hot topics in epilepsy surgery

Chairs:
Chair: Andreas Schulze-Bonhage (Germany)
Chair: Aleksandar Ristic (Serbia)

- Stereotactic approaches to treat hypothalamic hamartomas
  Speaker: Andreas Schulze-Bonhage (Germany)

- Thermoablation for temporal lobe epilepsy?
  Speaker: Zdeněk Vojtěch (Czech Republic)

- Laser interstitial thermal therapy in which epilepsy syndrome?
  Speaker: Daniel Curry (United States)

- Radiosurgery in epilepsy
  Speaker: Andrew McEvoy (United Kingdom)

Aetiology, Classification, Semiology, Other
14:30 - 16:00

Myths and misbeliefs in the idiopathic generalized epilepsies (IGEs)

Chairs:
Chair: Mar Carreño (Spain)
Chair: Bosanka Jocic-Jakubi (Oman)

- Myth: Basic mechanisms involved in non-convulsive seizures are similar in IGE and focal epilepsies
  Speaker: Antoine Depaulis (France)

- Myth: The IGEs are all genetic
  Speaker: Jose Serratosa (Spain)

- Myth: Drug-resistance in the IGEs is rare
  Speaker: Jukka Peltola (Finland)

- Myth: There are plenty of treatment options for the IGEs
  Speaker: Pierre Thomas (France)

Psychiatry and Psychology
14:30 - 16:00

Epilepsy and the social brain

Chairs:
Chair: Petr Marusic (Czech Republic)
Chair: Hennric Jokeit (Switzerland)

- The social brain - its development, neurology and epilepsy
  Speaker: Stefano Meletti (Italy)
Scientific Programme

**Imaging of the social brain**
Speaker: Hrvoje Hecimovic (Croatia)

**Socio-behavioural side effects of AED and epilepsy surgery**
Speaker: Jana Amlerova (Czech Republic)

**Remediation of social functioning: Where are we?**
Speaker: Hennric Jokeit (Switzerland)

Neurophysiology and Neuroimaging
14:30 - 16:00  Schubert 1

**The expansion of ultra-long-term EEG-recordings in the near future**

**Chairs:**
Chair: Troels Wesenberg Kjær (Denmark)
Chair: Johan Arends (Netherlands)

- **Long term EEG monitoring out of the EMU**
  Speaker: Pål Larsson (Norway)

- **Long term implantable EEG**
  Speaker: Troels Wesenberg Kjær (Denmark)

- **Algorithms for detection of rare seizure events in patients with intellectual disabilities**
  Speaker: Johan Arends (Netherlands)

- **The caretakers view: does continuous monitoring lead to more independence?**
  Speaker: Maaike Ballieux (Netherlands)

Basic Science
14:30 - 16:00  Schubert 4

**Neurobiology Symposium: Does coffee/caffeine consumption influence seizures and epilepsy?**

**Chairs:**
Chair: Astrid Nehlig (France)
Chair: Aristea Galanopoulou (United States)

- **Interindividual variability of caffeine metabolism and circulating levels**
  Speaker: Astrid Nehlig (France)

- **Mechanisms of action of caffeine in the brain and potential proconvulsant properties of caffeine**
  Speaker: Detlev Boison (United States)

- **Consequences of early life caffeine exposure on brain development and susceptibility to seizures**
  Speaker: Christophe Bernard (France)

- **Does coffee/caffeine consumption influence seizure activity in individuals with epilepsy?**
  Speaker: Christian Samsonsen (Norway)
Scientific Programme

Satellite Symposia
16:30 - 18:00 Strauss 1

Satellite Symposium - LivaNova: Where is the potential? Measuring the effect of neuromodulation

Chairs:
Chair: Kristl Vonck (Belgium)

- **De-syncing the cortex? Investigating VNS mechanisms with quantitative EEG methods**
  Speaker: Fabrice Bartolomei (France)

- **Learning from depression: insights from functional imaging of neurostimulation**
  Speaker: Charles Conway (United States)

- **A prestimulation evaluation protocol for patients with drug resistant epilepsy**
  Speaker: Kristl Vonck (Belgium)

Satellite Symposia
16:30 - 18:00 Stolz

Satellite Symposium - mXm Medical Communications supported by an educational grant from Eisai Europe Ltd: How do we make evidence-based decisions for epilepsy patients excluded from randomised controlled trials?

Chairs:
Chair: Martin Holtkamp (Germany)

- **Psychiatric comorbidities in epilepsy: importance of early diagnosis and a multidisciplinary approach to care**
  Speaker: Sophie Dupont (France)

- **Management of epilepsy during pregnancy: what is best practice?**
  Speaker: Torbjörn Tomson (Sweden)

- **Treatment of epilepsy in the elderly: the need for real-world evidence**
  Speaker: Vicente Villanueva (Spain)

  Discussion

Other
18:00 - 19:00 Strauss 2

Welcome Ceremony

Chairs:
Chair: Meir Bialer (Israel)
Chair: Eugen Trinka (Austria)

- **Welcome**
  Speaker: Samuel Wiebe (Canada)

- **Welcome**
  Speaker: Meir Bialer (Israel)
Welcome
Speaker: Eugen Trinka (Austria)
Refactory and superrefractory Status Epilepticus (RSE & SRSE)

Chairs:
Chair: Felix Rosenow (Germany)

- Mortality and costs of RSE and SRSE
  Speaker: Adam Strzelczyk (Germany)

- Multimodal monitoring in SRSE
  Speaker: Alois Schiefecker (Austria)

- Therapeutic options in RSE and SRSE
  Speaker: Felix Rosenow (Germany)

- Relevance and treatment of (medical) comorbidities
  Speaker: Stephan Rüegg (Switzerland)

Targeting the brain-gut-microbiota axis for treatment of epilepsy and related comorbidities

Chairs:
Chair: Sanjay Sisodiya (United Kingdom)

- The bidirectional link between CNS and gut microbiota in epilepsy and other neuropsychiatric disease
  Speaker: Pasquale Striano (Italy)

- The potential impact of dietary treatment on gut microbiota and epigenetics
  Speaker: Kaja Selmer (Norway)

- Peristaltic ideas for new therapeutic strategies: insights from animal models
  Speaker: Emilio Russo (Italy)

- The MINERVA (Microbiota-gut-brain EngineerRd platform to eVALuate intestinal microflora impact on brain functionality) project
  Speaker: Carmen Giordano (Italy)

Biomarkers to predict ketogenic diet response

Chairs:
Chair: Martha Feucht (Austria)
Scientific Programme

Are there biomarkers to predict response of ketogenic diet treatment?
Speaker: Joerg Klepper (Germany)

Can the electroclinical phenotype predict the response to KD? Is the improvement of the EEG a predictor to KD response?
Speaker: Stéphane Auvin (France)

What kind of biomarkers can emerge in the future to predict response to KD?
Speaker: Sabine Scholl-Buergi (Austria)

Medical Therapy and Pharmacology
08:00 - 12:00
Schubert 1

How to do it - Diagnosis of epilepsy

Chairs:
Chair: Rainer Surges (Germany)
Chair: Reetta Kälviäinen (Finland)

Diagnostic delays in epilepsy: implications and opportunities to improve care
Speaker: Reetta Kälviäinen (Finland)

How to avoid misinterpretation of EEG in epilepsy?
Speaker: Petr Marusic (Czech Republic)

How to interpret cerebral MRI in epilepsy?
Speaker: Margitta Seeck (Switzerland)

ECG for the epileptologist
Speaker: Rainer Surges (Germany)

How to deal with the diagnostic challenges of pediatric epilepsy?
Speaker: Edda Haberlandt (Austria)

Neurophysiology and Neuroimaging
08:00 - 09:30
Schubert 4

Very high frequency oscillations: Where is the horizon and what important is beyond?

Chairs:
Chair: Gregory Worrell (United States)

Insights from animal models
Speaker: Premysl Jiruska (Czech Republic)

Interictal very high frequency oscillations
Speaker: Milan Brázdil (Czech Republic)

Ictal very high frequency oscillations
Speaker: Naotaka Usui (Japan)

VHFOs and micro recordings
Speaker: Gregory Worrell (United States)
Scientific Programme

Medical Therapy and Pharmacology
08:30 - 09:30

Cannabinoids going back and ahead

Chairs:
Chair: Meir Bialer (Israel)
Chair: Eugen Trinka (Austria)

**Introduction**
Speaker: Meir Bialer (Israel)

**Cannabinoids going back and ahead**
Speaker: Raphael Mechoulam (Israel)

Medical Therapy and Pharmacology
09:30 - 11:30

Chairs' Symposium: Recent advances and treatments in status epilepticus

Chairs:
Chair: Eugen Trinka (Austria)
Chair: Meir Bialer (Israel)

**Circuits, networks, and systems in status epilepticus**
Speaker: Jaideep Kapur (United States)

**Epigenetic treatment strategies**
Speaker: David Henshall (Ireland)

**New and upcoming pharmacological treatments of status epilepticus**
Speaker: Stephan Rüegg (Switzerland)

**Unmet needs in neonatal status epilepticus**
Speaker: Ronit Pressler (United Kingdom)

Other
09:30 - 16:30

Alternative therapies

**Cumulative effect of transcranial direct current stimulation in patients with refractory epilepsy and its association with phase lag index-a preliminary study**
Speaker: Lung-Chang Lin (Taiwan, Republic of China)

**A study of traditional health practitioners’ perceptions and experiences in delivering seizure care in Namibia**
Speaker: Chrisma Pretorius (South Africa)

**Accept or control? A qualitative pilot study of a mindfulness-based intervention in epilepsy**
Speaker: Prisca R Bauer (France)

**A vagus nerve based method for the detection of seizures**
Speaker: Cristian Sevcencu (Denmark)
Scientific Programme

**Dramatherapy in patients with epilepsy**  
Speaker: Aikaterini Terzoudi (Greece)

**Orthosiphon stamineus leaf extract affects TNF-α and seizures in a zebrafish model**  
Speaker: Brandon Choo Kar Meng (Malaysia)

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**Basic Science**  
09:30 - 16:30  
Poster Area

**Basic science 1**

**Abnormal retinal thickness in epilepsy patients with hippocampal sclerosis**  
Speaker: Weixi Xiong (China)

**Correlation of blood-brain barrier markers with disease activity**  
Speaker: Elżbieta Bronisz (Poland)

**Computational biomarkers in early identification and prediction of intractable epilepsy**  
Speaker: Dimitris F Sakellariou (United Kingdom)

**Dynamics of microRNA expression during early onset epileptogenesis**  
Speaker: Petra Bencurova (Czech Republic)

**A computer model biomarker of focal and generalized epilepsies from resting state EEG**  
Speaker: Marinho Lopes (United Kingdom)

**Heart rate variability in refractory epilepsy patients - is it related to SUDEP risk factors?**  
Speaker: Francisca Sá (Portugal)

**Metalloproteinase 2 and its inhibitors expression in serum after tonic-clonic seizures**  
Speaker: Agnieszka Cudna (Poland)

**Relative entropy between iEEG signals as a powerful tool for localization of epileptogenic tissue**  
Speaker: Petr Klimes (Czech Republic)

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**Basic science 2**

**Induction of DREADD expression in the rat locus coeruleus and its effects on neuronal firing**  
Speaker: Latoya Stevens (Belgium)

**Biophysical mechanisms of internal and external regulations for absence seizures**  
Speaker: Daqing Guo (China)

**Dynamical system analysis of the gamma oscillations preceding spreading depression onset**  
Speaker: Jean Faber (Brazil)

**Acute reduction of the Extracellular trans-synaptic protein LGI1 increases network excitability**  
Speaker: Eleonora Lugara’ (United Kingdom)
An animal model for interaction between epilepsy and Parkinson’s disease  
Speaker: Tugba Karamahmutoglu (Turkey)

Virus elimination and survival outcome is critically driven by microglial interference in a mouse model for viral encephalitis-induced seizures and epilepsy  
Speaker: Inken Waltl (Germany)

Basic science 3

Assessment of perampanel and amantadine effects on long-term memory and cognitive function, in turn epileptogenesis and neuronal cell survival in pilocarpine rat model of status epilepticus  
Speaker: Farzad Moien-Afshari (Canada)

Acute effects of levetiracetam and phenytoin on the hyperexcitable CA1 observed in hippocampal slices from self-sustained status epilepticus mouse model  
Speaker: Isabelle Niespodziany (Belgium)

Cholesterol 24-hydroxylase inhibition during epileptogenesis delays epilepsy onset and blocks seizure progression in a murine model of temporal lobe epilepsy  
Speaker: Alessia Salamone (Italy)

Eslicarbazepine mono- and polytherapy in focal epilepsy  
Speaker: Svetlana Nurmukhametova (Russian Federation)

Efficacy and safety of perampanel in early mono- and complementary therapy in patients with focal epilepsy  
Speaker: Rim Magzhanov (Russian Federation)

Role of vitamin E in mouse embryo and fetuses treated with valproic acid: immunohistochemical study hedgehog family  
Speaker: Daniel Conei (Chile)

Clinical neurophysiology 1

Designing and constructing a new patient centered epilepsy monitoring unit  
Speaker: Susan Rahey (Canada)

Holberg Score EEG used as an education tool in daily practice  
Speaker: Guttorm Eldøen (Norway)

24-hour video EEG in the evaluation of the first unprovoked seizure  
Speaker: Gayane Melikyan (Qatar)

The role of EEG in the diagnosis of anti-NMDAR receptor encephalitis  
Speaker: Elena Nardi Cesarini (Italy)
Multimodal nocturnal seizure detection in a residential care setting: a long-term prospective trial  
Speaker: Pierre Cluitmans (Netherlands)

Fixation-Off Sensitivity and interictal posterior abnormalities in an adult with temporal-mesial epilepsy with hippocampal sclerosis: an example of clinical and neurophysiological dissociation  
Speaker: Lorenzo Ricci (Italy)

Zero-crossing patterns as a new scalp EEG biomarker in focal epilepsy  
Speaker: Jan Pyrzowski (France)

Neurophysiology and Neuroimaging
09:30 - 16:30
Poster Area

Clinical neurophysiology 2

Intraoperative EEG and EKOG in children with symptomatic epilepsy: it’s relation to age, duration of epilepsy and surgical treatment  
Speaker: Antonina Kozlova (Russian Federation)

Bitemporal seizure spread and its effect on autonomic dysfunction  
Speaker: Thomas Page (United Kingdom)

Autonomic dysfunction during interictal period: an electrophysiological study  
Speaker: Arife Çimen Atalar (Turkey)

Automatic detection of High Frequency oscillations (HFOs) to locate epileptogenic zone  
Speaker: Xiaofeng Yang (China)

The diagnostic significance of long-term EEG recording for the diagnosis/follow-up of ESES/CSWS  
Speaker: Daniella Terney (Denmark)

Special aspects of sexuality in patients with epilepsy  
Speaker: Liudmila Lipatova (Russian Federation)

The role of subcortical structures in epileptic seizures: evidence from SEEG recordings  
Speaker: Francesca Pizzo (France)

Sympathetic skin responses elicited by photic stimulation during conventional electroencephalography recordings in patients with epilepsy  
Speaker: Masako Kinoshita (Japan)

Medical Therapy and Pharmacology
09:30 - 16:30
Poster Area

Clinical pharmacology 1

The prescribable drugs with efficacy in experimental epilepsies (PDE3) database for drug repurposing research in epilepsy  
Speaker: Shayeeshan Sivapalarajah (United Kingdom)
Scientific Programme

Efficacy and tolerability of adjunctive treatment with lacosamide: post-marketing experience from the Gulf area
Speaker: Maher Arabi (Kuwait)

Initiation dose of sodium valproate in epilepsy: proof of concept study of the impact of starting dose and titration on seizure control and side effect profile
Speaker: Anne Hui Yi Goei (Singapore)

The effect of sodium valproate in improving developmental delay in seizure free children with abnormal electroencephalograph
Speaker: Farhad Mahvelati Shamsabadi (Iran, Islamic Republic of)

Comparative effectiveness of add-on therapy with newer-generation antiepileptic drugs in Bulgarian patients with refractory epilepsy
Speaker: Ekaterina Viteva (Bulgaria)

Effect of Rufinamide to patients with intractable epilepsy besides Lennox-Gastaut syndrome
Speaker: Naoko Ishihara (Japan)

Maintenance of long-term safety and efficacy of cannabidiol treatment in Dravet syndrome: results of the open-label extension trial (GWPCARE5)
Speaker: Rima Nabbout (France)

Therapeutic drug monitoring of new generation antiepileptic drugs in patients with epilepsy
Speaker: Irene Aícua-Rapún (Switzerland)

Liverpool adverse events profile scale predicts dropout from antiepileptic treatment in people with epilepsy: a preliminary study
Speaker: Michele Romoli (Italy)

Clinical pharmacology 2

Bidirectional drug-drug interactions with coadministration of cannabidiol and stiripentol or valproate in a Phase 1 healthy volunteer trial
Speaker: Graham Blakey (United Kingdom)

Effect of common concomitant antiepileptic drugs during adjunctive treatment with perampanel: post hoc analysis from the open-label extension of a Phase III study in patients with idiopathic generalised epilepsy
Speaker: Terence J O’Brien (Australia)

Clinical factors associated with a major response (≥75% reduction in seizure frequency/28 days) in phase III trials of adjunctive perampanel in patients with partial seizures: post hoc multivariate analysis
Speaker: Elinor Ben Menachem (Sweden)

Retrospective, Phase IV study of perampanel in real-world clinical care of patients with epilepsy: an interim analysis
Speaker: James Wheless (United States)

The relationship between serum Levetiracetam levels and seizure frequency and adverse reactions in patients with epilepsy
Speaker: Medine Gulcebi I. (Turkey)
Assessment of the long-term efficacy and safety of adjunctive perampanel in adolescent patients: post hoc analysis of open-label extension (OLEx) studies
Speaker: Vicente Villanueva (Spain)

Retention rate and outcome-related factors of perampanel: a real-life population study
Speaker: Sara Matricardi (Italy)

Population pharmacokinetic modelling and simulation to support dose recommendations for lacosamide in children
Speaker: Paul Martin (Belgium)

Evaluation of the sex hormone levels in relation to epileptic syndrome and antiepileptic treatment
Speaker: Theodora Affrantou (Greece)

A multicentre, open-label, Phase IV study of perampanel as monotherapy or first adjunctive therapy in patients ≥12 years of age with partial seizures or primary generalised tonic-clonic seizures: Study 410
Speaker: Pavel Klein (United States)

Perampanel and secondarily generalised seizures in a pooled analysis of Phase III studies and their open-label extension: effect of enzyme-inducing antiepileptic drugs
Speaker: Betsy Williams (United States)

The predictors of drug-resistance in patients with MRI-negative focal epilepsies of unknown cause
Speaker: Arife Çimen Atalar (Turkey)

Lateralizing value of clinical semiology of generalized tonic clonic seizures in temporal lobe epilepsy patients admitted to the EMU and risk of hospital readmission
Speaker: Abuhuziefa Abubak (United States)

Performance of a wrist-worn multimodal seizure detection system for more than a year in real-life settings
Speaker: Giulia Regalia (Italy)

Right parietal region as the symptomatogenic zone for the Ictal hiccup
Speaker: Sanaz Ahmadi Karvigh (Iran, Islamic Republic of)

Adult onset epilepsy as the presenting symptom of Fetal Alcohol Spectrum Disorder: a case report
Speaker: Ingrid Daey Ouwens (Netherlands)

The chemosensory function and the olfactory bulb volume in temporal lobe epilepsy
Speaker: Bengi Gül Türk (Turkey)

Video monitoring of four patients with gelastic seizures and revision of their etiologies
Speaker: İbrahim Bora (Turkey)

High prevalence of right-to-left shunt in epileptic patients with migraine
Speaker: Lei Chen (China)
Scientific Programme

Steroid-responsive seronegative encephalitis mimicking Creutzfeldt-Jakob disease: a case report
Speaker: Angela Verzina (Italy)

Other
09:30 - 16:30  Poster Area
Epidemiology 1

Characterizing drug-resistance in adults with new-onset epilepsy
Speaker: Alyssa Denton (Canada)

Italian Wikipedia and epilepsy: an infodemiological study of online information-seeking behavior
Speaker: Francesco Brigo (Italy)

European Study on Burden and Care of Epilepsy - Austria: preliminary results
Speaker: Lucas Johannes Rainer (Austria)

Etiology, semiology and outcome of epileptic seizures in the emergency department
Speaker: Marta Olive Gadea (Spain)

Ictal hypoxemia: a systematic review and meta-analysis
Speaker: Elisa Bruno (United Kingdom)

Clinical findings of febrile seizure including febrile seizure after 5 years of age
Speaker: Mitsuru Kashiwagi (Japan)

Incidence and risk factors of post-stroke epilepsy in long-term survivors after primary intracerebral haemorrhage
Speaker: Anna-Maija Lahti (Finland)

Differences in clinical characteristics of epilepsy according to epidemiological study in two regions of Ukraine
Speaker: Andriy Dubenko (Ukraine)

Other
09:30 - 16:30  Poster Area
Epilepsy and women 1

Pregnancy outcome in women with epilepsy
Speaker: Shahla Melikova (Azerbaijan)

The peculiarities of juvenile myoclonic epilepsy progression in women of childbearing age
Speaker: Diana Anisimova (Russian Federation)

Comparative characteristic of glial fibrillary acidic protein in women with genuine and idiopathic epilepsy
Speaker: Nilufar Rashidova (Uzbekistan)
Functional state of reproductive system of women with epilepsy treated with antiepileptic drugs  
Speaker: Nilufar Rashidova (Uzbekistan)

Antiepileptic drug polytherapy in pregnant women with epilepsy  
Speaker: Piero Perucca (Australia)

Prenatal valproate exposure and risk of attention deficit hyperactivity disorder  
Speaker: Yuelian Sun (Denmark)

Paediatric Epileptology  
09:30 - 16:30

Epilepsy in childhood 1

The quality of life of children with epilepsy and their parents  
Speaker: Valentina Guzeva (Russian Federation)

Symptomatic epilepsy in children with polymicrogyria  
Speaker: Valentina Guzeva (Russian Federation)

The clinical characteristics and risk factors of post-traumatic seizure in preschool-aged children  
Speaker: Taewoo Shin (Korea, Republic of)

Efficacy of vitamin D supplementation in children with epilepsy treated with valproate  
Speaker: Anna Gniatkowska-Nowakowska (Poland)

Ketogenic diet in the treatment of epilepsy in children under the age of 2 years  
Speaker: Helen Cross (United Kingdom)

Epileptic syndromes in childhood, associated with secondary generalized tonic-clonic seizures  
Speaker: Sergey Burd (Russian Federation)

Duchenne and Becker muscular dystrophy and epilepsy  
Speaker: Tatjana Redzek Mudrinic (Serbia)

Core Health Outcomes in Childhood Epilepsy (CHOICE) - development of a core outcome set  
Speaker: Holly Crudgington (United Kingdom)

Efficacy of perampanel on progressive myoclonic epilepsy in patients with Gaucher’s disease  
Speaker: Hyun Jin Kim (Korea, Democratic People’s Republic of)

Paediatric Epileptology  
09:30 - 16:30

Epilepsy in childhood 2

Levetiracetam monotherapy for the treatment of infants with epilepsy  
Speaker: Nihal Olgac Dundar (Turkey)
Scientific Programme

Levetiracetam versus valproic acid for continuous prophylaxis in febrile seizures  
Speaker: Pinar Gencpinar (Turkey)

Usefulness of Lignocaine in pediatric cluster seizures - a report of 3 patients  
Speaker: Jolanta Strzelecka (Poland)

Clinical characteristics of children with epilepsy managed at an urban hospital in Africa  
Speaker: Pauline Samia (Kenya)

Working memory impairment in a boy with reading epilepsy and seizures induced by video games and 3D television: 7-year follow-up  
Speaker: Felicitas Kluger (Germany)

Evaluation of EEG diagnostics in febrile seizures  
Speaker: Alja Kavcic (Slovenia)

Alexander disease, an important cause of epilepsy and macrocephaly: a case report  
Speaker: Mehmet Canpolat (Turkey)

Juvenile type neuronal ceroid-lipofuscinosis: a case report  
Speaker: Mehmet Canpolat (Turkey)

Mental retardation, autosomal dominant type 7: a rare cause of febrile convolution and microcephaly associated with DYRK1A gene mutation  
Speaker: Mehmet Canpolat (Turkey)

Mental retardation, autosomal dominant type 31: a rare cause of epilepsy and hypotonia associated with PURA gene mutation  
Speaker: Mehmet Canpolat (Turkey)

Effects cognitive rehabilitation with interactive metronome training on speech disorders and epilepsy patients  
Speaker: Tatiana Tomenko (Russian Federation)

Perinatal stroke as a risk factor for epilepsy in children  
Speaker: Cornela Calcii (Moldova, Republic of)

Immunological markers in childhood epilepsies  
Speaker: Cornela Calcii (Moldova, Republic of)

Epilepsy Surgery  
09:30 - 16:30

Epilepsy surgery 1

Anti-NMDA receptor encephalitis triggered by epilepsy surgery  
Speaker: Judith Wagner (Austria)

Fast ripples visual analysis of extraoperative electrocorticography in long-standing pharmacoresistant epilepsy  
Speaker: Nastasia Arkhipova (Russian Federation)

Surgical treatment of drug-resistant epilepsies in Russian Federation  
Speaker: Igor Trifonov (Russian Federation)
Scientific Programme

Vagus nerve stimulation for drug-resistant epilepsy: experience of St Peterburg epilepsy centres
Speaker: Stanislav Malyshev (Russian Federation)

Coexistent extratemporal lesions on MR imaging in patients with temporal lobe epilepsy and hippocampus sclerosis: its impact on seizure outcome after epilepsy surgery
Speaker: Gülsah Aydin (Germany)

Resective temporal lobe surgery for refractory temporal lobe epilepsy: negative MRI and absence of hippocampus sclerosis may predict an unfavorable postoperative seizure outcome
Speaker: Valeri Borger (Germany)

Epilepsy surgery evaluations – who will not be operated and why?
Speaker: Cecilia Gustafsson (Sweden)

Epilepsy Surgery
09:30 - 16:30

Epilepsy surgery 2

Scalp EEG biomarkers in epilepsy patients with focal cortical dysplasia
Speaker: Nino Epitashvili (Germany)

Predictors for surgical treatment outcome in long-term follow-up period in children with temporal lobe epilepsy
Speaker: Konstantin Abramov (Russian Federation)

Reoperation after failure of epilepsy surgery in children
Speaker: Konstantin Abramov (Russian Federation)

Computer assisted platform for Intracranial EEG seizure biomarkers and patterns study
Speaker: Vadym Gnatkovsky (Italy)

Outcome after corpus callosotomy in children with intractable epilepsy
Speaker: Konstantin Abramov (Russian Federation)

Predictors for surgical treatment outcome during the first year follow-up period in children with temporal lobe epilepsy
Speaker: Konstantin Abramov (Russian Federation)

The outcome of the surgical treatment of 130 patients with pharmacoresistant focal epilepsy followed-up for 1 to 10 years in the Serbian surgical program
Speaker: Dragoslav Sokic (Serbia)

Real-time detection of clinically validated HFO with a standard EEG viewer
Speaker: Tommaso Fedele (Switzerland)

Epileptic encephalopathies 1

Other
09:30 - 16:30
Scientific Programme

Anti-NMDA receptor encephalitis: initially presenting as Gerstmann syndrome
Speaker: Jinseok Park (Korea, Republic of)

Focal vasogenic edema in the brainstem secondary to phenytoin toxicity
Speaker: Gayane Melikyan (Qatar)

Development of the University of Washington Caregiver Benefit Scale for caregivers of children with epileptic encephalopathy
Speaker: Dagmar Amtmann (United States)

Epilepsy in biotinidase deficiency is distinct from early myoclonic encephalopathy
Speaker: Ulviyya Guliyeva (Azerbaijan)

Long-term use of stiripentol (Diacomit®) from childhood to adulthood in patients with Dravet syndrome
Speaker: Catherine Chiron (France)

PIGT-CDG, a disorder of glycosylphosphatidylinositol anchors: description of six novel patients and expansion of clinical characteristics
Speaker: Allan Bayat (Denmark)

Multiscale entropy analysis of electroencephalography in infantile spasms
Speaker: Yen-Ju Chu (Taiwan, Republic of China)

Early epileptic encephalopathies with "suppression burst"
Speaker: Prisca-Rolande Bassolé (Senegal)

Efficacy and safety of intravenous methylprednisolone pulse therapy in epileptic encephalopathy with electrical status epilepticus during sleep
Speaker: Nebojsa Jovic (Serbia)

Epileptic encephalopathies 2

Hormonal treatment of syndromes with continuous spikes and waves during sleep with methylprednisolone
Speaker: Olga Shidlovskaya (Russian Federation)

Resolution of hypersynchrony on EEG as an indicator of hormonal and nonhormonal therapy effectiveness in children with West syndrome
Speaker: Rimma Gamirova (Russian Federation)

Demographic, clinical and treatment outcome in 26 patients with Rasmussen’s Encephalitis
Speaker: Suad Alyamani (Saudi Arabia)

Limbic encephalitis manifested as non-convulsive status epilepticus
Speaker: Irina Ponomareva (Russian Federation)

Dravet syndrome - parents coping with adversity
Speaker: Ine Tracy Cockerell (Norway)

Unusual cause of cavitating leukoencephalopathy: newly described pattern for ethylmalonic encephalopathy
Speaker: Dilek Cavusoglu (Turkey)
Scientific Programme

**CDKL5 encephalopathy in males: follow up in three patients, new insight in phenotypical spectrum and overview of literature**
Speaker: Costanza Varesio (Italy)

**Seizure control with add-on eslicarbizpine in two patients with Dravet syndrome**
Speaker: Vanessa Oliveira (Portugal)

**Spectrum of autoantibodies and symptoms in epilepsy patients with suspected limbic encephalitis**
Speaker: Julia C. Kuehn (Germany)

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**Genetics**

09:30 - 16:30

**Poster Area**

**Genetics 1**

**Clinical spectrum and genotype-phenotype correlations of neurological manifestations associated with PRRT2 mutations**
Speaker: Ganna Balagura (Italy)

**Two cases of Lafora disease diagnosed by genetical tests**
Speaker: Aylin Bican Demir (Turkey)

**Novel CHD2 and KIAA2022 mutations associated with eyelid myoclonia with absences**
Speaker: S Krithika (United Kingdom)

**WES in sporadic Rolandic epilepsy reveals novel candidate genes**
Speaker: Gaetan Lesca (France)

**SCN8A variants confer susceptibility to anoxic-epileptic seizures**
Speaker: CHRISTIAN Korff (Switzerland)

**The value of genotype-phenotype correlation in research-based exome sequencing of epilepsy patients**
Speaker: Anne Rochtus (United States)

**The impact of precision medicine in genetic epilepsies: where we are?**
Speaker: Simona Balestrini (United Kingdom)

**Paroxysmal Tonic Upward gaze (PTU) in siblings: the (CACNA1A) connection**
Speaker: Omobolanle Kazeem (United Kingdom)

**Epilepsia partialis continua and paroxysmal torticollis caused by SCN4A mutation: a new phenotype?**
Speaker: Bi Chun Duan (Taiwan, Republic of China)

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**Paediatric Epileptology**

09:30 - 16:30

**Poster Area**

**Neonatal seizures/syndromes**
Role of steroids in hyperexcitatory electroencephalographic effects of sevoflurane in neonatal rats  
Speaker: Jiaqiang Zhang (China)

Epilepsy in Menkes disease and response at copper histidine treatment (a case report)  
Speaker: Alexandra Chitu (Romania)

Neuroimaging 1  
Calculation of an image-derived input function for absolute quantification of clinical [18]FDG PET/MRI studies of the brain  
Speaker: Lalith Kumar Shiyam Sundar (Austria)

Meta-analysis of the concordance between Wada Test and functional Magnetic Resonance for the language lateralization in patients with pharmaco-resistant epilepsy  
Speaker: Andreu Massot-Tarrús (Spain)

Distinct patterns of white matter changes after successful surgery of mesial temporal lobe epilepsy  
Speaker: Wei Li (China)

Paraneoplastic cerebellar degeneration associated with cerebellar hypermetabolism  
Speaker: Ammar Taha Abdullah Abdulaziz (China)

White matter structural abnormalities are associated with language impairment in epilepsy patients: a MR-DTI and fMRI study  
Speaker: Ilaria Lagorio (Italy)

Pathology-dependent changes of the functional language connectome in temporal lobe epilepsy  
Speaker: Victor Schmidbauer (Austria)

Alterations of intracerebral connectivity in epilepsy patients with secondary bilateral synchrony  
Speaker: Thilo Hammen (Germany)

Multimodal evaluation in subacute encephalopathy with seizure in alcoholics (SESA) syndrome  
Speaker: Hideaki Ishibashi (Japan)

Frontal lobe playing a key role in triggering spike and wave discharges  
Speaker: Mark P. Richardson (United Kingdom)

Altered functional connectivity of default mode network in patients with epilepsy  
Speaker: Cheng Luo (China)

Neuroimaging 2
Altered large-scale resting-state functional networks in idiopathic generalised epilepsy  
Speaker: Ya-Chin Chen (United Kingdom)

Longitudinal MRI reveals decreased cortical thinning in Rolandic epilepsy in seizure remission  
Speaker: Stuart D. W. Smith (United Kingdom)

Quantitative MRI of the brain in patients with neurocysticercosis and epilepsy  
Speaker: Guleed Adan (United Kingdom)

Cortical and subcortical morphological aspects in myoclonic epilepsy  
Speaker: Stanislav Alexandru Groppa (Moldova, Republic of)

The impact of SPECT perfusion studies and FDG-PET on epilepsy surgery candidacy  
Speaker: JOSEPH SAMUEL Peedicail (Canada)

A study of MRI findings at the acute state of epileptic seizures  
Speaker: Keiichiro Takase (Japan)

Clinical quantification of glucose metabolic rate in nonlesional extratemporal lobe epilepsy  
Speaker: Ekaterina Pataraya (Austria)

Frequency-specific alterations in the amplitude and synchronization of resting-state spontaneous low-frequency oscillations in Benign Childhood Epilepsy with Centrottemporal Spikes  
Speaker: Ge Tan (China)

Cortical thinning in epilepsy patients with postictal generalized EEG suppression  
Speaker: Yingying Tang (China)

Altered spontaneous brain activity in PFO-positive generalized epilepsy patients: a resting-state fMRI study  
Speaker: Lei Chen (China)

EEG network variation-informed fMRI study in juvenile myoclonic epilepsy  
Speaker: Cheng Luo (China)

Psychiatry and Psychology  
09:30 - 16:30

Neuropsychology of epilepsy 1

Development of anxiety and depressive symptoms in newly diagnosed persons with epilepsy: a one-year longitudinal study  
Speaker: Sang-Ahm Lee (Korea, Republic of)

Correlation of clinical manifestations in patients with autism spectrum disorder, with epileptiform activity on the electroencephalogram  
Speaker: Olga Diganchina (Kazakhstan)

Limited working memory capacity as a predictor of enrolment in special education of children with epilepsy  
Speaker: Loretta van Iterson (Netherlands)
**Scientific Programme**

- **Memory performance following surgery in pediatric patients with temporal lobe epilepsy: a systematic review and meta-analysis**  
  Speaker: Naomi Kahana-Levy (Israel)

- **Evaluation of executive dysfunction and personality traits in JME patients with the help of clinical scales**  
  Speaker: Kadriye Agan (Turkey)

- **Executive functions assessment in adult patients with idiopathic epilepsy**  
  Speaker: Hazem Elhewag (Egypt)

- **Analysis of individual strategies for psychological control of seizures in patients with temporal lobe epilepsy**  
  Speaker: Dmitry Zhuravlev (Russian Federation)

- **Resting-state EEG alpha power and verbal IQ in temporal lobe epilepsy patients – a retrospective cohort study**  
  Speaker: Pedro Viana (United Kingdom)

- **Neuropsychological assessment as the basis of arts therapy for adult-onset intractable postencephalitic epilepsy**  
  Speaker: Hiromi Kanesaki (Japan)

- **Short-term and longer-term effects of brivaracetam on cognition and behavior in a naturalistic clinical setting**  
  Speaker: Christoph Helmstaedter (Germany)

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**Social**  
09:30 - 16:30

**Organisation of care 1**

- **People with epilepsy and their relatives want more information about risks of injuries and premature death**  
  Speaker: Oliver Henning (Norway)

- **How to improve epilepsy care in Norway - the patients’ perspective**  
  Speaker: Therese Ravatn (Norway)

- **Improving the experiences of epilepsy patients in the Emergency Department through process evaluation**  
  Speaker: Leanne Male (United Kingdom)

- **Quality of epilepsy care in multiple sclerosis at Sahlgrenska University Hospital**  
  Speaker: Ioanna Dagiasi (Sweden)

- **Seizure first aid training for people with epilepsy who attend emergency departments and their family and friends: results from a pilot randomised controlled trial**  
  Speaker: Darlene Snape (United Kingdom)

- **Evaluating a personal information pack for patients with epilepsy**  
  Speaker: John Jacob (United Kingdom)
**Social issues 1**

**Quality of life in adults with refractory epilepsy living under martial law**  
Speaker: Thanyalak Amornpojnimman (Thailand)

**EPIPICTO: addressing the need for a pictorial guide for marginalised adults with epilepsy**  
Speaker: Janet Mifsud (Malta)

**How to increase the epilepsy awareness and knowledge among the public?**  
Speaker: Ellen Kjendbakke (Norway)

**Epilepsy knowledge, attitude, stigma, anxiety and depression and quality of life: a structural equation modelling**  
Speaker: Nerses Bebek (Turkey)

**Quality of life and correlated factors in adults with refractory epilepsy in Thailand: a prospective multicenter study**  
Speaker: Nunthamon Wonghirundecha (Thailand)

**Risk of a traffic accident in people with epilepsy: from the data of questionnaire survey in Japan**  
Speaker: Takuji Nishida (Japan)

**Linguistic validation of the Filipino translation of the quality of life in epilepsy inventory 31 (QOLIE - 31)**  
Speaker: Christian Emmanuel Lim (Philippines)

**Knowledge, awareness and management of epilepsy among university teachers**  
Speaker: Shin-Ichi Yoshioka (Japan)

**Parents attitudes towards febrile seizures in Croatia**  
Speaker: Masa Malenica (Croatia)

**Anxiety, depression, life quality, psychosocial and economic problems faced by caregivers of persons with epilepsy in rural western India**  
Speaker: Soaham Desai (India)

**Social challenges in juvenile myoclonic epilepsy**  
Speaker: Marte Syvertsen (Norway)

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**Status epilepticus 1**

**Long-term undiagnosed NCSE identified by EEG activating procedures**  
Speaker: Go Taniguchi (Japan)

**Fyn kinase as novel therapeutic target for epilepsy**  
Speaker: Karine Leclercq (Belgium)

**Non-convulsive status epilepticus in severe alcoholic coma**  
Speaker: Ekaterina Povalyukhina (Russian Federation)
Scientific Programme

**Tako-Tsubo Cardiomyopathy induced by Status Epilepticus**  
Speaker: Giada Giovannini (Italy)

**Long term follow-up of recurrent status epilepticus and stroke-like episodes in a MELAS family**  
Speaker: Lidia Di Vito (Italy)

**Lacosamide in the treatment of established status epilepticus: acute phase and follow-up data from Modena adult status epilepticus population**  
Speaker: Niccolò Orlandi (Italy)

**Treatment’s choices in status epilepticus: which factors have the greater impact in physician’s decisions?**  
Speaker: Elena Greco (Italy)

**The prevalence of status epilepticus in KAUH**  
Speaker: Reem Alyoubi (Saudi Arabia)

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Other  
09:30 - 16:30  
Poster Area  

**Late-breaking Abstracts 1**

**Perampanel in the treatment of status epilepticus: a systematic review of the literature**  
Speaker: Francesco Brigo (Italy)

**The association between antiepileptic drugs-induced mild cutaneous adverse reaction and HLA gene polymorphism in a northern Han Chinese population**  
Speaker: Yingying Cheng (China)

**Neoplastic process verification of unclear cortical substrates in children with epilepsy**  
Speaker: Khava Gazdieva (Russian Federation)

**What can we gain from low-density EEG? Localization of interictal epileptogenic zone combining electric source imaging and directed functional connectivity in patients with focal epilepsy**  
Speaker: Markus Gschwind (Switzerland)

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Other  
09:30 - 16:30  
Poster Area  

**Late-breaking Abstracts 2**

**The predictors of prognosis in 168 children with neonatal seizures: a tertiary center experience**  
Speaker: Ruzica Kravljanac (Serbia)

**Sleep related hypermotor epilepsy (SHE) - diagnostic hallmarks**  
Speaker: Natela Okujava (Georgia)

**Sternberg’s canal encephalocele are rare cause of temporal lobe epilepsy - our experience**  
Speaker: Petra Nimac Kozina (Croatia)
Scientific Programme

Outcome of patients with psychogenic nonepileptic seizures with limited resources
Speaker: Ali Asadi-Pooya (Iran, Islamic Republic of)

Thalamic stimulation for drug-resistant epilepsy: a 7-year, single-center experience
Speaker: Elisabeth Hartl (Germany)

Tryptophan and kynurenine pathway metabolites in the blood of children treated with ketogenic diet for refractory epilepsy
Speaker: Iwona Zarnowska (Poland)

Behind the Seizure™: a no-cost epilepsy panel for pediatric seizure onset between 2 and 4 years
Speaker: Swaroop Aradhya (United States)

Association of rhythmic electroencephalographic patterns with paroxysmal psychiatric events in cryptogenic new-onset refractory status epilepticus
Speaker: Hiroya Ohara (Japan)

Status epilepticus

Chairs:
Chair: Jafar Mehvari Habibabadi (Iran, Islamic Republic of)
Chair: Markus Leitinger (Austria)

Results from the Global Audit of Refractory Status Epilepticus
Speaker: Monica Ferlisi (Italy)

Status epilepticus after experimental traumatic brain injury
Speaker: Ivette Banuelos Cabrera (Finland)

Causes of Death in Status Epilepticus
Speaker: Maximiliano A Hawkes (United States)

Focal myoclonic status epilepticus in tick-borne Russian spring-summer encephalitis
Speaker: Nadezhda Kvaskova (Russian Federation)

Long-Term Mortality of Status Epilepticus in Thailand
Speaker: Somsak Tiamkao (Thailand)

The essence of the first 2.5 hours in the treatment of generalized convulsive status epilepticus
Speaker: Leena Kämppi (Finland)

Adult epileptology

Chairs:
Chair: Dana Ekstein (Israel)
Chair: Jera Kruja (Albania)
**Scientific Programme**

**Cerebrospinal fluid profile in epilepsy considering exclusion of an autoimmune origin**
Speaker: Marie Süße (Germany)

**Automated free-water imaging analysis in patients with epilepsy and focal cortical dysplasia**
Speaker: Barbara Kreilkamp (United Kingdom)

**Disrupted basal ganglia networks in GLUT1 Deficiency Syndrome: different connectivity pattern at different stages of life**
Speaker: Anna Elisabetta Vaudano (Italy)

**Neuronal antibodies in a prospective, multicenter cohort of patients with focal epilepsy of unknown origin**
Speaker: Marienke A.A.M. de Bruijn (Netherlands)

**Outcomes among adult patients with tuberous sclerosis complex (TSC)-associated treatment-refractory seizures treated with adjunctive everolimus: Final analysis of the EXIST-3 study**
Speaker: Adelheid Wiemer-Kruel (Germany)

**Risk of stroke after late-onset seizures: a Swedish register-based case-control study**
Speaker: David Larsson (Sweden)

**Paediatric Epileptology**

**Epilepsy in childhood 1**

**Chairs:**
Chair: Nana Tatishvili (Georgia)
Chair: Federico Vigevano (Italy)

**Prospective video EEG tracking of infants with Tuberous Sclerosis Complex (TSC) in the first year of life**
Speaker: Jessie De Ridder (Belgium)

**Dravet Syndrome, PCDH19-related epilepsy and SCN1A-related epilepsies: early differential diagnosis**
Speaker: Serena Pellegrin (Italy)

**Seizure frequency, overall healthcare resource utilization, and all-cause mortality in children with epilepsy in the UK**
Speaker: Richard Chin (United Kingdom)

**Cannabidiol treatment effect and adverse events in patients with Lennox-Gastaut syndrome: pooled results from two trials**
Speaker: Antonio Gil-Nagel (Spain)

**Long-term efficacy and safety of everolimus among pediatric patients with tuberous sclerosis complex (TSC) and treatment-refractory seizures: Final analysis of the EXIST-3 study**
Speaker: Christoph Hertzberg (Germany)

**Long-term efficacy and safety of everolimus as adjunctive therapy in patients with tuberous sclerosis complex (TSC)-associated treatment-refractory seizures: Final analysis of the EXIST-3 study**
Speaker: Tilman Polster (Germany)
13th European Congress on Epileptology,
26th-30th August 2018,
Vienna, Austria

Scientific Programme

Medical Therapy and Pharmacology
12:00 - 13:30

Clinical pharmacology

Chairs:
Chair: Sara Eyal (Israel)
Chair: Martin Brodie (United Kingdom)

- Maintained safety and efficacy of cannabidiol in a long-term open-label trial in patients with Lennox-Gastaut syndrome (GWPCARE5)
  Speaker: M Mazurkiewicz-Beldzińska (Poland)
- Effect of anti-epileptic drugs on biomarkers of excitotoxic brain damage in focal seizures: A randomized controlled trial
  Speaker: Rituparna Maiti (India)
- GENERAL study: 1-year real-life effectiveness and tolerability of perampanel in idiopathic generalized epilepsy
  Speaker: Vicente Villanueva (Spain)
- Comparison of human brain penetration and target/SV2A affinities of brivaracetam and levetiracetam by PET
  Speaker: Rafal Kaminski (Belgium)
- Bidirectional drug-drug interaction with coadministration of cannabidiol and clobazam in a Phase 1 healthy volunteer trial
  Speaker: Volker Knappertz (United States)
- Exposure-response analysis of cannabidiol for the treatment of Lennox-Gastaut syndrome
  Speaker: Gilmour Morrison (United Kingdom)

Basic Science
12:00 - 13:30

Basic science 1

Chairs:
Chair: Jose Serratosa (Spain)
Chair: Aljoscha Thomschewski (Austria)

- The anti-epileptic effect of spinal cord stimulation in kainic acid induced epilepsy rat model
  Speaker: Akihiko Kondo (Japan)
- Pathological connectivity of the hippocampal CA2 region in temporal lobe epilepsy
  Speaker: Ute Häussler (Germany)
- Dynamic interaction of local and transhemispheric networks is necessary for progressive intensification of hippocampal seizures
  Speaker: Fredrik Berglind (Sweden)
- Novel approaches to detect post-ictal cortical spreading depression (CSD) in awake rodents
  Speaker: Robert Wykes (United Kingdom)
- Altered GABAergic transmission underlies epileptogenicity in human pediatric Focal Cortical Dysplasia
  Speaker: Thomas Blauwblomme (France)
To study the effect of embelin on neurogenesis and cognition in PTZ induced epilepsy model of adult zebrafish
Speaker: Uday Kundap (Malaysia)

Epilepsy Surgery
12:00 - 13:30
Schubert 4

Epilepsy surgery & neuroimaging

Chairs:
Chair: Silvia Bonelli (Austria)
Chair: Emilija Cvetkovska (Macedonia, the Former Yugoslav Republic of)

Motor Network Hypersynchrony as an Endophenotype in Families with Genetic Generalised Epilepsy: a resting state fMRI study
Speaker: Mark P. Richardson (United Kingdom)

Subcortical diffusional kurtosis imaging and antiepileptic drug treatment outcome in newly diagnosed focal epilepsy
Speaker: Lorna Bryant (United Kingdom)

Functional connectivity of left temporal lobe language networks in temporal lobe epilepsy
Speaker: Karin Trimmel (United Kingdom)

In-vivo imaging evidence for a human area tempestas: a crucial site influencing outcome after epilepsy surgery
Speaker: Marian Galovic (United Kingdom)

When to stop antiepileptic drugs after pediatric epilepsy surgery? Presentation of a new prediction tool
Speaker: Herm J Lamberink (Netherlands)

Lateral vs parasagittal hemispherotomy: technical note, outcome and their predictors in a multicenter Italian cohort
Speaker: Luca De Palma (Italy)

Paediatric Epileptology
14:40 - 16:10
Strauss 2

Tuberous sclerosis complex: understanding and modifying epileptogenesis

Chairs:
Chair: Martha Feucht (Austria)
Chair: Dana Craiu (Romania)

Epilepsy and behaviour in TSC
Speaker: Paolo Curatolo (Italy)

Molecular biomarkers of epileptogenesis
Speaker: Eleonora Aronica (Netherlands)

Clinical (imaging and EEG) biomarkers of epileptogenesis in TSC
Speaker: Lieven Lagae (Belgium)
**Scientific Programme**

**Early and preventative treatment of epilepsy in TSC to modify neurological outcome**
Speaker: Sergiusz Jozwiak (Poland)

**Basic Science**
14:40 - 16:10

**The gut microbiota and epilepsy: is there a link?**

**Chairs:**
Chair: Astrid Nehlig (France)
Chair: Emilio Russo (Italy)

- **Why should we become interested in the gut-brain axis in epilepsy?**
  Speaker: Astrid Nehlig (France)

- **The microbiota gut-brain axis and neurological disorders**
  Speaker: John Cryan (Ireland)

- **Could the antiepileptic effect of the ketogenic diet reflect an action on the gut?**
  Speaker: Stéphane Auvin (France)

- **Stress, microbiome and kindling**
  Speaker: Andrey Mazarati (United States)

**Medical Therapy and Pharmacology**
14:40 - 16:10

**Teratogenicity of antiepileptic drugs (AEDs)**

**Chairs:**
Chair: Stanislav Alexandru Groppa (Moldova, Republic of)
Chair: Gudrun Kalss (Austria)

- **How can we take advantage of contemporary genetic tools to find a genetic signature of susceptibility to use AEDs with greater safety?**
  Speaker: Richard Finnell (United States)

- **How the next generation should be developed knowing the problems of the existing AEDs**
  Speaker: Meir Bialer (Israel)

- **Juvenile myoclonic epilepsy in pregnancy: Update from EURAP on AED use, seizure control and pregnancy outcome**
  Speaker: Torbjörn Tomson (Sweden)

- **Teratogenicity in law court**
  Speaker: Simon Shorvon (United Kingdom)
Scientific Programme

Aetiology, Classification, Semiology, Other
14:40 - 16:10

Prevention strategies to reduce mortality in epilepsy

Chairs:
Chair: Marco Mula (United Kingdom)
Chair: Claudia Granbichler (Austria)

Prevention of SUDEP
Speaker: Rainer Surges (Germany)

Prevention of suicide
Speaker: Marco Mula (United Kingdom)

Prevention of accidents and injuries
Speaker: Tim von Oertzen (Austria)

Prevention of serious adverse events of antiepileptic drugs
Speaker: Cecilie Johannessen Landmark (Norway)

Subjective impressions triggered by cortical electrical stimulations

Chairs:
Chair: Fabienne Picard (Switzerland)
Chair: Ekaterina Pataaraia (Austria)

Limbic electrical stimulations triggering experiential and emotional phenomena
Speaker: Andreas Schulze-Bonhage (Germany)

Pain as a product of cortical electrical stimulations
Speaker: Laure Mazzola (France)

Autoscopic phenomena induced by electrical stimulations
Speaker: Margitta Seeck (Switzerland)

Ecstatic auras induced by electrical stimulation
Speaker: Fabienne Picard (Switzerland)

What cerebrospinal fluid can tell us about epilepsy

Chairs:
Chair: Peter Körtvélyessy (Germany)
Chair: Romana Höftberger (Austria)

Biomarker proteins and cytokines in the CSF of epilepsy patients
Speaker: Peter Körtvélyessy (Germany)
**Scientific Programme**

**Blood-brain barrier dysfunction, seizures and epilepsy**
Speaker: Erwin van Vliet (Netherlands)

**Autoantibodies in the CSF and their role in epilepsy**
Speaker: Christian Bien (Germany)

**MicroRNAs as potential biomarkers of epilepsy**
Speaker: David Henshall (Ireland)

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**Satellite Symposia**

16:30 - 18:00

**Satellite Symposium - GW Pharmaceuticals: The challenge of improving treatment for patients living with epileptic encephalopathies from childhood to adulthood**

**Chairs:**
Chair: Eugen Trinka (Austria)

- **Regulatory pathways, rare diseases and rethinking epileptic encephalopathies**
  Speaker: Michel Baulac (France)

- **Current therapeutic options and future opportunities**
  Speaker: Emilio Perucca (Italy)

- **Diagnosis, assessment and care of epileptic encephalopathies into adulthood**
  Speaker: Thomas Mayer (Germany)
Paediatric Epileptology  
08:00 - 09:30  

Neonatal status epilepticus: when etiology makes the difference

**Chairs:**
Chair: Lucia Fusco (Italy)

**Neonatal status epilepticus in hypoxic-ischemic etiology in preterm and term neonates, choose when treatment is mandatory**
Speaker: Ronit Pressler (United Kingdom)

**Neonatal status epilepticus in acquired etiologies, when etiology and treatment are straightforward**
Speaker: Lucia Fusco (Italy)

**Neonatal status epilepticus in metabolic etiology, when tailored therapies can change the prognosis**
Speaker: Monika Eisermann (France)

**Neonatal status epilepticus in genetic etiology, an opportunity for personalized therapies**
Speaker: Maria Roberta Cilio (United States)

Medical Therapy and Pharmacology  
08:00 - 09:30

How to handle polypharmacy and pharmacokinetic interactions in clinical practice?

**Chairs:**
Chair: Cecilie Johannessen Landmark (Norway)

**Interactions between AEDs**
Speaker: Cecilie Johannessen Landmark (Norway)

**Interactions with other drug classes**
Speaker: Yury Kiselev (Norway)

**Polypharmacy aspects in the elderly, patient and population aspects**
Speaker: Arton Baftiu (Norway)

**Handling of pharmacokinetic interactions with therapeutic drug monitoring**
Speaker: Svein Johannessen (Norway)
Medical Therapy and Pharmacology
08:00 - 09:30

Pharmacoresistant epilepsy management in resource-limited settings

Chairs:
Chair: Silvio Basic (Croatia)
Chair: Emilija Cvetkovska (Macedonia, the Former Yugoslav Republic of)
Chair: Vladimir Donath (Slovakia)

- **Pharmacoresistant epilepsy - epidemiology and differential diagnosis**
  Speaker: Ruta Mameniskiene (Lithuania)

- **Treating epilepsy - therapeutic challenge in countries with limited resources**
  Speaker: Stanislav Alexandru Groppa (Moldova, Republic of)

- **Epilepsy comorbidities**
  Speaker: Joanna Jedrzejczak (Poland)

- **Preoperative evaluation in limited settings**
  Speaker: Dragoslav Sokic (Serbia)

Aetiology, Classification, Semiology, Other
08:00 - 09:30

The impact of seizure semiology - a kahoot! video semiology quiz

Chairs:
Chair: Morten Lossius (Norway)

- **Differential diagnosis based on seizure semiology**
  Speaker: Rune Markhus (Norway)

- **Seizure semiology and the new classification of epileptic seizures in adults**
  Speaker: Karl Nakken (Norway)

- **Seizure semiology and the new classification of epileptic seizures in children**
  Speaker: Dana Craiu (Romania)

- **Seizure semiology and seizure onset zone**
  Speaker: Philippe Ryvlin (Switzerland)

Medical Therapy and Pharmacology
08:00 - 12:00

How to do it - Treatment of epilepsy

Chairs:
Chair: Margitta Seeck (Switzerland)
Chair: Lieven Lagae (Belgium)

- **First line approach: which drug to start with and how to start it**
  Speaker: Martin Brodie (United Kingdom)
Scientific Programme

What if the first two drugs fail? Next level drug therapy
Speaker: Margitta Seeck (Switzerland)

How do we assess outcome?
Speaker: Adam Strzelczyk (Germany)

What if all drugs fail?
Speaker: Lieven Lagae (Belgium)

Satellite Symposia
08:00 - 09:30
Schubert 4

Satellite Symposium - MEGIN: Application of MEG in epilepsy and its impact on patient outcome: A joint symposium of EMEGS and MEGIN an Elekta company

Chairs:
Chair: Paul Boon (Belgium)

Clinical MEG application in lesional and nonlesional epilepsies
Speaker: Hermann Stefan (Germany)

Electromagnetic source imaging: a prospective study of diagnostic accuracy and clinical utility in presurgical evaluation
Speaker: Sándor Beniczky (Denmark)

Impact of MEG on epilepsy surgery outcome
Speaker: Karl Roessler (Germany)

Medical Therapy and Pharmacology
09:30 - 11:30
Strauss 2

Targeted therapy

Chairs:
Chair: Simon Shorvon (United Kingdom)
Chair: Heidrun Potschka (Germany)

Targeting genes
Speaker: Renzo Guerrini (Italy)

Targeting novel receptors
Speaker: Mike Rogawski (United States)

Targeting epileptogenesis
Speaker: Asla Pitkanen (Finland)

Targeting systems
Speaker: Mark Cook (Australia)
**Scientific Programme**

**Basic Science**
09:30 - 11:30

**Tauopathies and epilepsy**

**Chairs:**
Chair: Matthew Walker (United Kingdom)
Chair: Andrew Cole (United States)

- **The physiological and pathophysiological relevance of Tau**
  Speaker: Gabor Kovacs (Austria)

- **The role of Tau in epileptogenesis**
  Speaker: Terence O’Brien (Australia)

- **The role of Tau in human epilepsy**
  Speaker: Matthias Koepp (United Kingdom)

- **The impact of seizures on Alzheimer’s**
  Speaker: Andrew Cole (United States)

**Neurophysiology and Neuroimaging**
09:30 - 11:30

**EEG in epilepsy: a teaching course for EEG technicians**

**Chairs:**
Chair: Markus Leitinger (Austria)
Chair: Walter van Emde Boas (Netherlands)

- **EEG in the diagnosis and management of epilepsy I: use, abuse and pitfalls**
  Speaker: Walter van Emde Boas (Netherlands)

- **Practical issues in the Epilepsy Monitoring Unit I: observation and interpretation of basic semiology**
  Speaker: Markus Leitinger (Austria)

- **EEG in the diagnosis and management of epilepsy II: an orderly approach to study indications, reading and interpretation**
  Speaker: Walter van Emde Boas (Netherlands)

- **Practical issues in the Epilepsy Monitoring Unit II: ictal testing and safety issues**
  Speaker: Markus Leitinger (Austria)

**Basic Science**
09:30 - 16:30

**Poster Area**

**Basic science 4**

- **Utilization of high frequency oscillations and brain connectivity in support vector machine model for localization of epileptogenic tissue in drug resistant focal epilepsy**
  Speaker: Jan Cimbalnik (Czech Republic)
Temporal dynamics of HMGB1, MMP-9, S100 and other serum markers after generalized tonic clonic seizures  
Speaker: Robert Daniel Nass (Germany)

Underlying rhythmicity of interictal-like events and periodic ictal spiking in human hippocampus tissues  
Speaker: Jean Faber (Brazil)

Electrophysiological characterization of the seizures patterns from the connectivity point of view  
Speaker: Jean Faber (Brazil)

Transcriptional downregulation of autophagy in temporal lobe epilepsy due to hippocampal sclerosis  
Speaker: Aleksandar Ristic (Serbia)

Dual-center, dual-platform microRNA profiling identifies plasma biomarkers of adult temporal lobe epilepsy  
Speaker: David Henshall (Ireland)

Epileptic seizure associated immune alterations  
Speaker: Johanna Tennigkeit (Germany)

Genome-wide microRNA profiling of plasma from three different animal models identifies biomarkers of temporal lobe epilepsy  
Speaker: Gary Brennan (Ireland)

Basic science 5

Polyamine modulation of anticonvulsant drug response: a potential mechanism contributing to pharmacoresistance in chronic epilepsy  
Speaker: Niklas Michael Beckonert (Germany)

Eslicarbazepine efficacy on sodium channel slow inactivation in epileptic dentate gyrus granule cells and cortical pyramidal neurons  
Speaker: Dominik Holtkamp (Germany)

Seizure detection algorithm for annotation of spontaneous epileptic seizures in an experimental model of post-traumatic epilepsy  
Speaker: Pedro Andrade (Finland)

Does a lesion of nigrostriatal pathway affect spike-and-wave discharges of genetic absence epilepsy rats?  
Speaker: Filiz Onat (Turkey)

The potential effect of anticonvulsant drugs on neuropeptides in pentylenetetrazol kindling model of epilepsy  
Speaker: Hasan Tekgul (Turkey)

Effect of A1 adenosine receptor agonist CCPA in hippocampal excitability during brain development in rats  
Speaker: Petr Fabera (Czech Republic)
Astrocytic and microglial polarization after status epilepticus in mice  
Speaker: Jakub Otáhal (Czech Republic)

The role of kainate receptors in epileptic discharges during entorhinal cortex development, an ex vivo study  
Speaker: Katalin Szádeczky-Kardoss (Hungary)

Basic science 6

Effect of single oral administration of the T-type calcium channel blocker ACT-709478 alone or in combination with levetiracetam or valproic acid on seizure activity in audiogenic seizure-sensitive juvenile DBA/2J mice, a model of generalized tonic-clonic seizures  
Speaker: Melanie Kessler (Switzerland)

Effect of oral administration of the T-type calcium channel blocker ACT-709478 on generalized non-convulsive seizures in the WAG/Rij rat model of absence epilepsy  
Speaker: Catherine Roch (Switzerland)

Influence of Brivaracetam on cognitive function in patients with focal epilepsy  
Speaker: Dmitry Zhuravlev (Russian Federation)

Switching of patients with focal epilepsy from carbamazepine to eslikarbazepine acetate in connection with side effects of carbamazepine  
Speaker: Sergey Burd (Russian Federation)

Tocilizumab prevents the epileptogenesis and psychiatric comorbidity in WAG/Rij rats, a genetic model of absence epilepsy and mild-depression comorbidity  
Speaker: Rita Citraro (Italy)

Histone deacetylase inhibitors show antiepileptogenic and antidepressant effects in the WAG/Rij rat model of absence epilepsy  
Speaker: Giovambattista De Sarro (Italy)

Cognitive impairment in the WAG/Rij rat absence model is secondary to absence seizures and depressive-like behavior  
Speaker: Antonio Leo (Italy)

KEAP1 inhibition is neuroprotective and suppresses the development of epilepsy  
Speaker: Tawfeeq Shekh-Ahmad (United Kingdom)

An audit of Brivaracetam in patients with drug-resistant epilepsy and psychiatric comorbidities  
Speaker: Evangelia Theochari (United Kingdom)

Sparteine has an anticonvulsant effect in the status epilepticus induced by pentylenetetrazole, associated with neuronal preservation and reactivity of astrocytes  
Speaker: Fridha Viridiana Villalpando Vargas (Mexico)
Scientific Programme

Neurophysiology and Neuroimaging
09:30 - 16:30

Poster Area

Clinical neurophysiology 3

Neurophysiologic aspects of diagnosis and surgical treatment in drug-resistant temporal lobe epilepsy basing on epileptogenesis conception
Speaker: Svetlana Kravtsova (Russian Federation)

Focal cortical dysplasia: impact of age of the onset of the disease and epilepsy duration on EEG patterns of epileptogenic zone
Speaker: Marina Korsakova (Russian Federation)

Diagnostic utility of home ambulatory video-EEG in a secondary care centre: a retrospective evaluation
Speaker: Khazina Waraich (United Kingdom)

The role of the mesial temporal lobe structures in sensorimotor gating in humans: a prepulse inhibition study in temporal lobe epilepsy
Speaker: Bengi Gül Türk (Turkey)

Poor seizure control in common epilepsies associates with slower and frontally-shifted alpha rhythm
Speaker: Eugenio Abela (United Kingdom)

Clinical significance of the long-loop reflex and giant evoked potentials in benign adult familial myoclonic epilepsy
Speaker: Masako Kinoshita (Japan)

Ear-electroencephalography for detection of generalized tonic-clonic seizures
Speaker: Ivan Zibrandtsen (Denmark)

Spike persistence and normalization in Benign epilepsy with centrotemporal spikes: implications for management
Speaker: Youngkyu Shim (Korea, Republic of)

Clinical neurophysiology 4

Automathic procedure for the localization of the epileptogenic zone based on graph analysis of interictal StereoEEG
Speaker: Dunja Duran (Italy)

Decision support system for identifying the epileptogenic zone during preresection electrocorticography in temporal lobe epilepsy
Speaker: Andrzej Rysz (Poland)

Troponin I elevation after video-EEG documented seizures in refractory epilepsy patients: association with clinical parameters and SUDEP risk factors
Speaker: Helena Rocha (Portugal)

Low frequency repetitive transcranial magnetic stimulation for refractory status epilepticus and multifocal highly drug-resistant epilepsy
Speaker: Lorena Guzmán García (Spain)
EpiTools, A software suite for presurgical brain mapping in epilepsy in intracerebral EEG and MEG
Speaker: Samuel Medina Villalon (France)

Spike quantification during long term monitoring in EMU
Speaker: Laurent Spinelli (Switzerland)

Eslicarbazepine acetate modulates EEG activity and connectivity in persons with epilepsy with focal seizures
Speaker: Giovanni Assenza (Italy)

Potential markers for late onset seizures in ICU patients
Speaker: Jeffrey Chung (United States)

EEG functional connectivity during absence seizure
Speaker: Pawel Glaba (Poland)

Clinical pharmacology 3

Comparing safety and efficacy of “third-generation” antiepileptic drugs: long-term extension and post-marketing treatment
Speaker: Charlotte Kwok (United States)

Low-dose fenfluramine provides significant and long-term seizure reduction in Dravet syndrome: update and follow-up of the prospective study
Speaker: An-Sofie Schoonjans (Belgium)

Efficacy and tolerability of perampanel monotherapy in patients with Idiopathic Generalized Epilepsy (IGE): Post-marketing experience from UAE
Speaker: Taoufik Alsaadi (United Arab Emirates)

Alteration of prescription and effectiveness of levetiracetam before and after approval for monotherapy in children
Speaker: Erina Kato (Japan)

Determination of therapeutic concentrations and monitoring the transition of antiepileptic drugs from blood into saliva using HPLC methods
Speaker: Emilija Cvetkovska (Macedonia, the Former Yugoslav Republic of)

Modified Atkins diet reduces serum concentrations of antiepileptic drugs in adults
Speaker: Karl Nakken (Norway)

Efficacy and safety of adjunctive eslicarbazepine acetate in patients of pediatric age with focal epilepsy
Speaker: Simona Lattanzi (Italy)

Dramatic effect of Perampanel in a patient with JME and persistent myoclonic jerks
Speaker: Jacopo Lanzone (Italy)

Clinical experience with brivaracetam in a regional epilepsy clinic
Speaker: Helen Coyle (United Kingdom)
Scientific Programme

Efficacy of perampanel (PER) as adjunctive therapy in patients with focal epilepsy and secondarily generalized seizures associated with brain tumours (PERADET study)
Speaker: Antonietta Coppola (Italy)

Anti-epileptic drugs discontinuation due to adverse effects: a report of Iranian patient data
Speaker: Mehdi Golpayegani (Iran, Islamic Republic of)

Medical Therapy and Pharmacology
09:30 - 16:30
Poster Area

Clinical pharmacology 4

Comparison of lacosamide treatment in patients with and without intellectual disability
Speaker: Cecilie Johannessen Landmark (Norway)

Rapid intravenous loading of Brivaracetam (BRV) during invasive and non-invasive VEEG monitoring: tolerability, safety, efficacy and electrophysiological changes
Speaker: Beatriz Chavarria Cano (Spain)

Monitoring of pharmacological treatment of patients with juvenile myoclonus epilepsy
Speaker: Ida Fløgstad (Norway)

Perampanel as early add-on (PERADON Study) to evaluate the efficacy and safety of perampanel prescribed as early add-on in routine clinical practice in Spain
Speaker: Javier Abril-Jaramillo (Spain)

Efficacy and tolerability of adjuvant lacosamide: the role of clinical characteristics and mechanisms of action of concomitant AEDs
Speaker: Andrew Neal (Australia)

Lacosamide monotherapy in epileptic seizures of patients with dementia
Speaker: Angela La Neve (Italy)

Measurement of unbound serum concentrations of valproate and phenytoin for tailored treatment in selected cases - when is it useful?
Speaker: Katrine Heger (Norway)

Perampanel efficacy and safety as early add-on treatment for focal seizures: PEREAGAL study
Speaker: Xiana Rodriguez Osorio (Spain)

Influence of Perampanel on behavior and cognition
Speaker: Galina Odintsova (Russian Federation)

Eslicarbazepine acetate (ESL) as add-on therapy in epilepsy with focal-onset seizures: a clinical and EEG study
Speaker: Patrizia Pulitano (Italy)

Aetiology, Classification, Semiology, Other
09:30 - 16:30
Poster Area

Clinical semiology 2
Scientific Programme

The frequency of ictal crying during the psychogenic non-epileptic seizures and epileptic seizures in Turkish adult patients
Speaker: Irsel Tezer (Turkey)

Pilomotor seizures: a systematic review
Speaker: Dalma Tényi (Hungary)

Pseudotemporal epilepsy - extratemporal epilepsy with typical temporal seizures
Speaker: Irena Dolezalova (Czech Republic)

Characterization of seizures (ILAE 1981 and 2017 classifications) and their response to treatment in a cohort of patients with glial tumors in a university institute
Speaker: Ignacio Casas Parera (Argentina)

Biomarkers in the postictal state: a systematic review and meta-analysis
Speaker: Sundus Khan (Canada)

Parasomnia or epilepsy? When the diagnosis is related to a nap EEG
Speaker: Rihab Jomaa (Tunisia)

Ictal asystole: a case report
Speaker: Nirmeen Kishk (Egypt)

The cross sign and hand praying: religious automatisms as expression of temporal lobe seizures
Speaker: Xiana Rodriguez Osorio (Spain)

Paediatric Epileptology
09:30 - 16:30

Epilepsy and neurodevelopment 1

Neurodevelopment outcome in Pyridoxine-dependent epilepsy
Speaker: Chahnez Triki (Tunisia)

Neurological and psychopathological masks of Rolandic epilepsy
Speaker: Nikolai Titov (Russian Federation)

Correlation of behavioural features, with indicators of clinical severity, in females with Rett syndrome
Speaker: Shubhangi Karmakar (Ireland)

The impact of epileptic seizures on the heart rhythm
Speaker: Yuliya Rubleva (Russian Federation)

Epilepsy in cases of severe motor and intellectual disabilities syndrome: the relationship between the extent of disabilities and the characteristics of epilepsy
Speaker: Tomoyuki Takano (Japan)

Epilepsy in children with neurodevelopmental disorder at a rural hospital in Japan
Speaker: Toshihiro Suzuki (Japan)

Epilepsy and EEG characteristics in children with Autistic Spectrum disorder
Speaker: Bosanka Jocic-Jakubi (Oman)
Scientific Programme

Pyridoxine-dependent epilepsy with carnitine deficiency
Speaker: Nihal Olgac Dundar (Turkey)

Is exclusive breastfeeding protective against idiopathic epilepsy?
Speaker: Pinar Gencpinar (Turkey)

Other
09:30 - 16:30
Poster Area

Epilepsy and women 2

Altered spontaneous brain activity in female temporal epilepsy patients with polycystic ovary syndrome: a resting-state fMRI study
Speaker: Xi Zhu (China)

Fertility rate and reproductive behaviour in women with epilepsy
Speaker: Galina Odintsova (Russian Federation)

How are the restrictions on the use of valproate followed in Norway?
Speaker: Arton Baftiu (Norway)

Antiepileptic drug exposure in pregnancy and mode of delivery: data from the Emilia Romagna Study on Pregnancy and Exposure to Antiepileptic drugs (ESPEA)
Speaker: Barbara Mostacci (Italy)

Pregnancy and epilepsy: obstetric and perinatal outcomes, a prospective-observational single centre study
Speaker: Selda Keskin Güler (Turkey)

Pharmacists’ knowledge on women’s issues in epilepsy in Albania and its association with their years of practice
Speaker: Serla Grabova (Albania)

Women with epilepsy pregnancy registry in a tertiary center. Preliminary findings
Speaker: Bruno Kusznir Vitturi (Brazil)

Paediatric Epileptology
09:30 - 16:30
Poster Area

Epilepsy in childhood 3

Histopathology and MRI findings in two children with COL4A1/-2 mutation related epilepsy
Speaker: Ingrid Koerber (Germany)

Therapeutic itinerary of children living with epilepsy in Kinshasa: features, determinants and relationships with behavioral and cognitive disorders
Speaker: -- Matonda-ma-Nzuzi (Congo, the Democratic Republic of the)

Transient elevation of TSH following seizures in children
Speaker: Ji Yoon Han (Korea, Republic of)

Callosotomy in children - parental experiences reported at long-term follow-up
Speaker: Anneli Ozanne (Sweden)
**Scientific Programme**

**Some diagnostic aspects of epilepsy in children with perinatal brain injuries**  
Speaker: Corina Griu (Moldova, Republic of)

**Is it worthwhile to try eslicarbazepine acetate if carbamazepine and oxcarbazepine have failed?**  
Speaker: Charlotte Vittenbach (Denmark)

**Predictors of neonatal seizures development in children with perinatal brain pathology**  
Speaker: Dmitry Morozov (Russian Federation)

**Epileptic spasms and non-epileptic eye movements in infants with Hemophagocytic Lymphohistiocytosis**  
Speaker: Serena Pellegrin (Italy)

**Epilepsy in children following pandemic influenza vaccination**  
Speaker: Kari Modalsli Aaberg (Norway)

**The efficacy of perampanel in patients with epileptic spasms**  
Speaker: Shuichi Shimakawa (Japan)

Paediatric Epileptology  
09:30 - 16:30

**Epilepsy in childhood 4**

**Photosensitive epilepsy associated with CHD2 mutation**  
Speaker: Vasily Nogovitsyn (Russian Federation)

**CSF levels of a set of neuropeptides (BDNF, NGF, Neuropeptide Y and galanin) in children with refractory epilepsy**  
Speaker: Hasan Tekgul (Turkey)

**Neurocognitive safety of perampanel as adjunctive therapy for refractory epilepsy in childhood and its relation with sleep**  
Speaker: Marta Torres Arlandis (Spain)

**Rolandic spikes and sleep-activated interictal discharges in children with periventricular leukomalacia and epilepsy**  
Speaker: Judith Kalser (United Kingdom)

**FOXG1 syndrome: further delineating and expanding the clinical phenotypes**  
Speaker: Lee Chin Wong (Taiwan, Republic of China)

**Significance of etiology of neonatal seizures in formation of epilepsy**  
Speaker: Tetyana Litovchenko (Ukraine)

**Benign childhood epilepsy with centrotemporal spikes**  
Speaker: Lamia Sfaihi (Tunisia)

**Epilepsy in Three Siblings Associated with Tubulin-gamma Komplex-associated Protein 3 (TUBGCP3) Mutation**  
Speaker: F.Mujgan Sonmez (Turkey)

**Early signs of autism in infants with a new diagnosis of epilepsy**  
Speaker: Manuela Pisch (United Kingdom)
Scientific Programme

Clinical studies of children manifesting electroencephalographic paroxysmal activities in the frontal area
Speaker: Lee Changwoo (Korea, Republic of)

Phenotypic variability in Rett patients with MECP2 mutations: Clinical, molecular and computational analysis
Speaker: Fakhfakh Faiza (Tunisia)

Other
09:30 - 16:30
Poster Area

Epilepsy in the elderly 1

Post-stroke epilepsy and epileptic seizures by the example of the Kharkiv region’s population according to the Ukrainian Stroke Unit
Speaker: A. Voitiuk (Ukraine)

Relationship between nutritional indicators and clinical and cognitive aspects of elderly patients with new-onset epilepsy
Speaker: Gloria Tedrus (Brazil)

Non-lesional late-onset epilepsy: semiology, EEG, cerebrospinal fluid and seizure outcome characteristics
Speaker: Marie Süße (Germany)

Estimation of seizure prevalence in ischemic stroke after thrombolytic therapy
Speaker: Anda Eilam (Israel)

Epilepsy Surgery
09:30 - 16:30
Poster Area

Epilepsy surgery 3

Reduced hippocampal connectivity after lesionectomy for temporal lobe epilepsy
Speaker: Niels Alexander Foit (Germany)

Surgical seizure outcome after stereoelectroencephalography for intracranial monitoring: comparison with PET and scalp video-EEG investigations
Speaker: Mahmoud Abdallat (Canada)

Minimally invasive surgical treatment of intractable temporal lobe epilepsy
Speaker: Michiharu Morino (Japan)

Feasibility of antiepileptic medication withdrawal after epilepsy surgery in patients with focal cortical dysplasia
Speaker: Sun Ah Choi (Korea, Republic of)

Epilepsy surgery in children with central lobe cortical dysplasia
Speaker: Armenak Melikyan (Russian Federation)

Can drug-resistant seizures during the course of tuberous sclerosis complex be a specific target for vagal nerve stimulation?
Speaker: Andrea Landi (Italy)
Scientific Programme

Outcomes of perampanel monotherapy in patients with epilepsy associated with glial tumours of the brain
Speaker: Alexandr Shershever (Russian Federation)

SEEG as unique procedure versus SEEG-guided radiofrequency thermocoagulation in drug-resistant focal epilepsy: efficacy and safety with regard to long-term seizure control
Speaker: Julia Scholly (France)

Features of clinical manifestations and treatment of insular epilepsy presented with structural lesions in the temporal lobe
Speaker: Roza Khachatryan (Russian Federation)

Subclinical focal status epilepticus during invasive monitoring during pre-surgical evaluations
Speaker: Joel Oster (United States)

Epilepsy Surgery
09:30 - 16:30

Epilepsy surgery 4

Clinical relevance of the pASL (pulse artherial spin labeling) MR in preoperative investigation of pharmacoresistant focal epilepsy patients
Speaker: Anna Kelemen (Hungary)

Estimating seizure freedom post-surgery using mathematical modelling
Speaker: Petroula Laiou (United Kingdom)

Outcomes after surgical treatment of MRI-negative epilepsy
Speaker: Anna V Lebedeva (Russian Federation)

Neurosurgical cerebrovascular pathology in the etiology of structurally caused epilepsy
Speaker: Anna Oleynik (Russian Federation)

The Utrecht intra-operative HFO experience - an update on the randomized controlled trial ‘the HFO study: intra-operative detection and localization of high frequency oscillations in the ECoG to guide epilepsy surgery’
Speaker: Willemiek Zweiphenning (Netherlands)

Stereo-EEG exploration in the insula /operculum in paediatric patients with refractory epilepsy
Speaker: Friederike Moeller (United Kingdom)

Genetic diagnostics in epilepsy surgery candidates: a retrospective cohort study
Speaker: Maurits W.C.B. Sanders (Netherlands)

In patients with unrevealing structural neuroimaging, can be the epileptogenic zone identified by noninvasive pre-surgical multimodal approach?
Speaker: Dunja Duran (Italy)

High frequency oscillations in the intra-operative ECoG and cognition before and after surgery in children with refractory epilepsy
Speaker: Dongqing Sun (Netherlands)

Epilepsy surgery: early versus late approach in a pediatric centre
Speaker: Carolina Croci (Italy)
Epileptic encephalopathies 3

- Early infantile epileptic encephalopathy-28 diagnosed with WES presents with coarse facies mimicking mucopolysaccaridoses
  Speaker: Dilşad Türkdoğan (Turkey)

- CDKL5 mutation in a case with diagnosis of refractory epilepsy and atypical Rett syndrome
  Speaker: Mehmet Canpolat (Turkey)

- Cerebrospinal fluid levels of neuropeptides in children West syndrome
  Speaker: Hasan Tekgul (Turkey)

- 1 and 2 years neuropsychological follow-up study in the patients with West syndrome in Georgia
  Speaker: Ana Kvernadze (Georgia)

- Management of Lennox Gastaut syndrome in Germany: a health care provider analysis and survey
  Speaker: Maxine Dibue-Adjei (Germany)

- Perampanel as add-on treatment in under 12 years old patients with Lennox-Gastaut syndrome
  Speaker: Angelo Russo (Italy)

- Epileptic encephalopathy with continuous spikes and waves during sleep (CSWS): a review of 8 cases
  Speaker: Lamia Sfaihi (Tunisia)

- Array comparative genomic hybridization as a prior genetic diagnostic tool for early infantile epileptic encephalopathies
  Speaker: Dilsad Turkdogan (Turkey)

- Optimizing the therapy in children with epileptic encephalopathy with continuous spike and wave during sleep
  Speaker: Romana Gjergja Juraski (Croatia)

- Customized panel of 49 epilepsy genes in molecular diagnostics of patients with early onset epilepsy and developmental delay
  Speaker: Dorota Hoffman-Zacharska (Poland)

Genetics

Genetic and phenotypic heterogeneity in female patients with KIAA2022 mutations
Speaker: S Krithika (United Kingdom)

Diagnostic and prognostic implications of elevated CSF protein in POLG related epilepsy
Speaker: Omar Hikmat (Norway)

Detection of genetic epilepsies causes in WES, clinical exome sequencing and targeted NGS panels on Russian population
Speaker: Artem Sharkov (Russian Federation)
De novo variants in neurodevelopmental disorders with epilepsy  
Speaker: Johannes Lemke (Germany)

Effect of UGT1A4 and 2B7 polymorphisms on lamotrigine glucuronidation in epilepsy patients  
Speaker: Vaiva Petrenaite (Denmark)

Preliminary data of a prospective study on electroclinical phenotype in Pallister-Killian syndrome  
Speaker: Emilia Ricci (Italy)

A study on the diagnostic value of chromosomal microarray analysis in pediatric epilepsy with complex phenotypes  
Speaker: Jon Soo Kim (Korea, Republic of)

Defining QARS: catastrophic epilepsy, microcephaly and encephalopathy  
Speaker: Katrine M Johannesen (Denmark)

A genome-wide association study of sodium levels and drug metabolism in a carbamazepine and oxcarbazepine treated epilepsy cohort  
Speaker: Mark McCormack (Netherlands)

Single-center experience of chromosomal microarray analysis in children with unexplained developmental delay/intellectual disability  
Speaker: Nihal Olgac Dundar (Turkey)

Genetics  
09:30 - 16:30

Genetics 3

Utilization of multigene panel for the diagnosis of epileptic encephalopathy in children  
Speaker: Wang-Tso Lee (Taiwan, Republic of China)

Clinical utility of targeted gene panel sequencing in children with malformations of cortical development. A pilot study  
Speaker: Barbora Benova (Czech Republic)

Epilepsy phenotype associated with point mutations of MT-ATP6ase gene (MILS-NARP syndrome)  
Speaker: Laura Licchetta (Italy)

Candidate genes resequencing in epileptic patients  
Speaker: Laura Licchetta (Italy)

KIAA2022 – further elucidating the phenotype  
Speaker: Trine Bjørg Hammer (Denmark)

Role of copy number variation in adult patients with epilepsy and intellectual disability  
Speaker: Tommaso Martino (Italy)
Scientific Programme

Neurophysiology and Neuroimaging
09:30 - 16:30

Neuroimaging 3

- **MRI profiling of focal cortical dysplasia using new diffusion contrasts**  
  Speaker: Sara Lorio (United Kingdom)

- **Combined segmentation as key of morphologic estimation on MRI-negative temporal epilepsy**  
  Speaker: Volha Kistsen (Belarus)

- **Anxiety and depression symptoms disrupt resting state connectivity in patients with generalized epilepsies**  
  Speaker: Marina Koutsodontis Machado Alvim (Brazil)

- **Sodium valproate use is associated with reduced cortical thickness in the visual system**  
  Speaker: Stefano Meletti (Italy)

- **Morphological changes of cerebellum in epilepsy: cerebellar volumes are inversely proportional to temporal lobe volume in temporal lobe epilepsy**  
  Speaker: Vaclav Marcian (Czech Republic)

- **Contribution of MEG in the presurgical evaluation of frontal lobe epilepsy - a case series**  
  Speaker: Nina Merkel (Germany)

- **SISCOM with multiple injections: re-test reliability**  
  Speaker: Tim von Oertzen (Austria)

- **Impaired language network in patients with temporal lobe epilepsy**  
  Speaker: Silvia Bonelli (Austria)

- **The correlation between cluster seizures and findings of magnetic resonance imaging in refractory epilepsy patients**  
  Speaker: Jafar Mehvari (Iran, Islamic Republic of)

- **Is enlarged amygdala dysfunctional in patients with mesial temporal lobe epilepsy?**  
  Speaker: Giorgi Kuchukhidze (Austria)

Other
09:30 - 16:30

Neuropathology

- **Change of the white matter in the epileptic focus in children with focal cortical dysplasia**  
  Speaker: Daria Sitovskaia (Russian Federation)

- **Is the frequency of neuronal autoantibodies higher in patients with bilateral hippocampal sclerosis compared to unilateral ones?**  
  Speaker: Ebru Nur Vanli- Yavuz (Turkey)

- **Seizures as the presenting symptom of brain tumors: a Portuguese center review**  
  Speaker: Rita Raimundo (Portugal)

- **An image registration protocol to integrate electrophysiology, MRI and neuropathology data in epileptic patients explored with intracerebral electrodes**  
  Speaker: Rita Garbelli (Italy)
Neurite outgrowth inhibitor A is upregulated in white matter lesions of complex cortical malformations  
Speaker: Victoria Gruber (Austria)

Medical Therapy and Pharmacology  
09:30 - 16:30  
Poster Area

**Neurostimulation 1**

**Incidence of contralateral functional temporal lobe connections in long-term drug resistant epilepsy**  
Speaker: Saarah Kaba (United Kingdom)

**Hippocampal deep brain stimulation as an option for treatment of refractory seizures in patients with bilateral periventricular nodular heterotopia**  
Speaker: Arthur Cukiert (Brazil)

**Announcement of the REC2Stim trial: rational extra-eloquent closed-loop cortical stimulation for patients with epilepsy in the primary sensorimotor cortex**  
Speaker: Dorien van Blooijs (Netherlands)

**The distribution of automatic stimulations in VNS therapy with refractory focal epilepsy patients**  
Speaker: Toni Kulju (Finland)

**Predicting the most efficacious region to stimulate during sleep for sub-acute cortical electrical Stimulation**  
Speaker: Maria Francisca Cunha (United Kingdom)

**Cortical stimulation and SEEG: evolution of a technique**  
Speaker: Giusy Carfì Pavia (Italy)

**Vagus nerve stimulation induced hypothermia drives most of the effects on hippocampal electrophysiology in rats**  
Speaker: Wouter Van Lysebettens (Belgium)

**Target site-specific effects of brain stimulation on microRNA expression in experimental epilepsy**  
Speaker: Lara Costard (Germany)

**Vagus nerve stimulation and quality of life in epilepsy: a Brazilian experience**  
Speaker: Victoria Grassi Bonamigo (Brazil)

Other  
09:30 - 16:30  
Poster Area

**Non-epileptic paroxysmal events**

**Semiology of psychogenic non-epileptic seizures: an international cross-cultural study**  
Speaker: Ali Asadi-Pooya (Iran, Islamic Republic of)
Scientific Programme

Cognitive behavioural therapy vs standardised medical care for adults with Dissociative non-Epileptic Seizures (CODES): Baseline characteristics of participants in a randomised controlled trial
Speaker: Laura Goldstein (United Kingdom)

Differential diagnosis of nocturnal events
Speaker: Barış Baklan (Turkey)

Hypnosis-induced psychogenic non-epileptic seizures in the pediatric epilepsy monitoring unit - a case study
Speaker: Tyson Sawchuk (Canada)

Differences in interpersonal and interactional peri-ictal behaviour between epileptic and psychogenic nonepileptic seizures
Speaker: Markus Reuber (United Kingdom)

PNES strategy in the Danish capital region
Speaker: Karin Nørgaard (Denmark)

Psychiatry and Psychology
09:30 - 16:30

Psychiatry and epilepsy 1

The self-stigma of people with epilepsy: results of a qualitative research
Speaker: Izumi Kuramochi (Japan)

Perampanel as part of anticonvulsant combination therapy in patients with limbic epilepsy personality syndrome
Speaker: Yaroslav Zhuravlyov (Russian Federation)

Cognitive-behavioural therapy does not meaningfully reduce depression in most people with epilepsy: a systematic review with a reliable change analysis
Speaker: Darlene Snape (United Kingdom)

Factors related to quality of life in patients with epilepsy
Speaker: Mitsutoshi Okazaki (Japan)

The relationship between mentalizing skills and stigmatization in epilepsy patients
Speaker: Gulnihal Kutlu (Turkey)

Epilepsy treatment in patients with comorbid suicidality: ethical, clinical social aspects
Speaker: Ekaterina Mikhailovska-Karlova (Russian Federation)

Prevalence and risk factors of depression and anxiety among patients with convulsive epilepsy in rural West China
Speaker: Hai Jiao Wang (China)

Social
09:30 - 16:30

Social issues 2
**Scientific Programme**

- **Experience, knowledge and uncertainties of the families in West syndrome - how do they built their approaches: an anthropological analysis**  
  Speaker: Sophie Arborio, PhD (France)

- **Korean epilepsy patient’s referral pattern to epilepsy center**  
  Speaker: Jun Hong Lee (Korea, Republic of)

- **The sociometric status of children with epilepsy in regular schools in the Czech Republic**  
  Speaker: Jiri Kohout (Czech Republic)

- **Impact of severe childhood epilepsy on siblings under 18 years of age**  
  Speaker: Bradley S. Galer (United States)

- **Socio-demographic, clinical characteristic and social life of patient with epilepsy**  
  Speaker: Nerses Bebek (Turkey)

- **Education project in schools: to know epilepsy and manage an epileptic crisis in a school environment**  
  Speaker: Costanza Calabrese (Italy)

- **Do’s and don’ts during a tonic-clonic seizure: results of a questionnaire among patients, relatives, healthcare personnel and general population**  
  Speaker: Alessandra Lalla (Italy)

- **How to manage the impossible (HMI)? Anthropological research: understanding parents facing diagnosis of Dravet syndrome in their child**  
  Speaker: Tania Korsak (France)

- **Psychosocial impact of epilepsy on adolescence: a qualitative investigation to obtain subjective perspective on living with chronic illness**  
  Speaker: Benedetta Ragni (Italy)

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**Status epilepticus 2**

- **Acute symptomatic seizures as presenting feature of hyperosmolar hyperglycemic non-ketotic state**  
  Speaker: Soaham Desai (India)

- **Status epilepticus with recurrent acute necrotizing encephalopathy in a child**  
  Speaker: Sang Mi Park (Korea, Republic of)

- **Does perampanel affect the electroencephalogram? Clinical observation**  
  Speaker: Olga Rakhmanina (Russian Federation)

- **Nonconvulsive seizures and nonconvulsive status epilepticus definition in a pediatric intensive care unit**  
  Speaker: Nihal Olgac Dundar (Turkey)

- **Evaluation of progesterone levels in cerebrospinal fluid obtained during status epilepticus**  
  Speaker: Chiara Lucchi (Italy)

- **ADANScale: proposal of prehospital scale for detection of status epilepticus**  
  Speaker: Manuel Requena Ruiz (Spain)
Towards a common definition of neonatal status epilepticus  
Speaker: Judith Kalser (United Kingdom)

Other
09:30 - 16:30
Poster Area

Late-breaking Abstracts 3

Retrospective analysis of antiepileptic drug effectiveness and tolerability in juvenile myoclonic epilepsy  
Speaker: Katri Silvennoinen (United Kingdom)

Evaluating executive functions in patients with juvenile myoclonic epilepsy using frontal assessment battery  
Speaker: Abbas Tafakhori (Iran, Islamic Republic of)

Our experience of functional hemispherotomy for treatment of epilepsy  
Speaker: Kostiantyn Kostiuk (Ukraine)

Epilepsy management system: integrating brain implants, personal assist devices and the cloud  
Speaker: Vaclav Kremen (United States)

Clinic and demographic profile of patients with active epilepsy: experience from a tertiary care hospital in Turkey  
Speaker: Sehnaz Basaran (Turkey)

Randomized controlled trials of antiepileptic drugs for the treatment of post-stroke seizures: a systematic review with network meta-analysis  
Speaker: Francesco Brigo (Italy)

First symptoms and presentation at diagnosis of paediatric onset neuronal ceroid lipofuscinoses  
Speaker: Blandine Dozières-Puyravel (France)

Perampanel in patients with refractory and super-refractory status epilepticus in a neurological intensive care unit - a single centre audit on 30 patients  
Speaker: Alexandra Rohracher (Austria)

Epileptiform activity in children with different types of mucopolysaccharidosis  
Speaker: Victoriya Aysina (Russian Federation)

Other
09:30 - 16:30
Poster Area

Late-breaking Abstracts 4

Antiepileptic mono-therapy in newly diagnosed focal epilepsy. A network meta-analysis  
Speaker: Simona Lattanzi (Italy)

Blood-brain barrier dynamics of nanotechnological drug carriers in animal model of temporal lobe epilepsy  
Speaker: Canan Ugur Yilmaz (Turkey)
Neurobehavioral effects of new antiepileptic drugs in mice  
Speaker: Liang-Po Hsieh (Taiwan, Republic of China)

Optimizing EEG-fMRI protocols for localization of epileptogenic areas  
Speaker: Leah Shapiro (Israel)

The feasibility of international continuous EEG monitoring  
Speaker: Fahad Algreesah (Saudi Arabia)

The complexity of differential diagnosis of epileptic and hypocalcemic seizures in children and adolescents  
Speaker: Inna Shchederkina (Russian Federation)

The safety control of the Electrical Stimulation Mapping using numerical simulation  
Speaker: Radek Janca (Czech Republic)

Adjunctive lacosamide treatment for adult focal-onset epilepsy: focus on comorbid intellectual/developmental disorders and differing responses  
Speaker: Ebru Apaydin Doğan (Turkey)

Efficacy of add-on lacosamide treatment for partial onset seizures: a single center observational study in Japan  
Speaker: Yoshio Omote (Japan)

Paediatric Epileptology  
12:00 - 13:30 Strauss 2

Epilepsy in childhood 2

Chairs:  
Chair: Nicola Specchio (Italy)  
Chair: Sofia Kasradze (Georgia)

Prevalence and prognostic risk factors of refractory juvenile myoclonic epilepsy: A systematic review and meta-analysis  
Speaker: Remi Stevelink (Netherlands)

Perampanel (PER) add-on therapy in children with refractory focal epilepsy: are there any most efficacious AED combinations?  
Speaker: Marina Nikanorova (Denmark)

The association of polymorphisms in genes involved in metabolism and transport of antiepileptic drugs with the presence of adverse drug reactions in Slovenian children and adolescents with epilepsy  
Speaker: Zvonka Rener Primec (Slovenia)

Prenatal MRI and correlation with outcome at two years in children with Tuberous Sclerosis Complex  
Speaker: Hanna Mai Hulshof (Netherlands)

Health-related quality of life in a European study of non-institutionalized children with epilepsy  
Speaker: Lieven Lagae (Belgium)
Impaired sleep in infants with early-onset epilepsy: comparison to typically developing peers and predictors
Speaker: Manuela Pisch (United Kingdom)

Neurophysiology and Neuroimaging
12:00 - 13:30
Lehar

Clinical neurophysiology

Chairs:
Chair: Firas Fahoum (Israel)
Chair: Reetta Kälviäinen (Finland)

Post-ictal EEG suppression: an SEEG study of 100 generalized tonic-clonic seizures
Speaker: Aileen McGonigal (France)

Distinct interictal HFO coupling with different seizure onset patterns
Speaker: Mina Amiri (Canada)

Physiological ripples (80-250 Hz) are common in eloquent cortical areas: region-specific normative values
Speaker: Birgit Frauscher (Canada)

Single-neuron activity preceding human epileptic seizures
Speaker: Firas Fahoum (Israel)

Clinical utility of high versus low-density EEG source imaging in presurgical evaluation: impact on decision making
Speaker: Mette Thrane Foged (Denmark)

Multi-day Periodicity in Epilepsy
Speaker: Maxime Baud (Switzerland)

Aetiology, Classification, Semiology, Other
12:00 - 13:30
Strauss 1

Epidemiology

Chairs:
Chair: Mahmoud Motamedi (Iran, Islamic Republic of)
Chair: Joanna Jedrzejczak (Poland)

Secular trends in sudden unexpected death in epilepsy (SUDEP) and other epilepsy-related deaths in adults: a nationwide population-based study
Speaker: Gashirai K Mbizvo (United Kingdom)

Car crash semiology: characteristics of motor vehicle crashes associated with seizure
Speaker: Andrew Neal (Australia)

Epilepsy, mortality and population risk factors in the province of Saskatchewan, Canada (2005-2010)
Speaker: Lizbeth Hernandez Ronquillo (Canada)
Scientific Programme

Quality of Life in Individuals with Epilepsy
Speaker: Jakob Christensen (Denmark)

Sex differences in febrile seizures
Speaker: Julie W Dreier (Denmark)

Cost savings and improved patient outcomes from best management of epilepsy
Speaker: Tony Marson (United Kingdom)

Basic Science
12:00 - 13:30

Basic science 2

Chairs:
Chair: Davor Sporiš (Croatia)
Chair: Günther Sperk (Austria)

Suppression of spike-and-wave discharges by an alpha 2 adrenergic receptor blocker, atipamezole, in a genetic absence epilepsy rat model
Speaker: Melis Yavuz (Turkey)

A combination of levetiracetam and topiramate exerts disease-modifying effects in the intrahippocampal kainate mouse model
Speaker: Alina Schidlitzki (Germany)

Chemogenetic silencing of excitatory hippocampal neurons prevents spontaneous seizures in a mouse model for temporal lobe epilepsy
Speaker: Jana Desloovere (Belgium)

The effect of chemogenetic inhibition of excitatory neurons on hippocampal excitability and seizure frequency in a rat model
Speaker: Marie-Gabrielle Goossens (Belgium)

Biochemical autoregulatory gene therapy for intractable focal epilepsy
Speaker: Andreas Lieb (United Kingdom)

State-dependent effect of interictal epileptiform discharges
Speaker: Jan Chvojka (Czech Republic)

Epilepsy and women; Neurostimulation

Chairs:
Chair: Torbjörn Tomson (Sweden)
Chair: Ruta Mameniskiene (Lithuania)

The influence of Anti-Epileptic Drug modifications in second or third trimester of pregnancy on fetal outcome
Speaker: Ajay Asranna (India)
Scientific Programme

**Ex vivo effects of valproic acid on the human placental barrier: Findings from gene array studies**
Speaker: Nino Tetro (Israel)

**Behavioral effects after in utero exposure to antiepileptic drugs and associations with family factors: preliminary results of the Dutch observational study EURAP & Development (NL)**
Speaker: Yfke Huber-Mollema (Netherlands)

**TMS-EEG as a tool to study the neuromodulatory effects of theta burst stimulation**
Speaker: Sofie Carrette (Belgium)

**Epileptiform activity detected within the anterior nucleus of the thalamus in temporal lobe epilepsy patients**
Speaker: Daniel Fabo (Hungary)

**Electrical stimulation for seizures induction during SEEG exploration: are they useful or not?**
Speaker: Agnes Trebuchon (France)

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**Epilepsy Surgery**
12:00 - 13:30

**Epilepsy surgery 1**

**Chairs:**
Chair: Andriy Dubenko (Ukraine)
Chair: Mar Carreño (Spain)

**Seizure Outcomes after resective single-stage Epilepsy Surgery in Children and Adolescents**
Speaker: Gudrun Gröppel (Austria)

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

**Individual prediction of post-operative verbal memory decline in temporal lobe epilepsy: the contribution of postictal memory testing**
Speaker: Serge Vulliémoz (Switzerland)

**Trans-third ventricular approach of stereotactic radiofrequency thermocoagulation for hypothalamic hamartoma with bilateral hypothalamic attachment**
Speaker: Hiroshi Shirozu (Japan)

**Multi-unit activity underlies epileptic fast ripple EEG in the mesial temporal lobe**
Speaker: Fedele Tommaso (Switzerland)

**Seizure control after hemispherotomy in childhood and adolescence: can we predict outcomes?**
Speaker: Georgia Ramantani (Switzerland)
Enabling precision medicine in epilepsy through big health data analytics

Chairs:
Chair: Samuel Wiebe (Canada)
Chair: Philippe Ryvlin (Switzerland)

Challenges and opportunities of using linked national electronic health records for research
Speaker: Spiros Denaxas (United Kingdom)

Large, linked electronic and administrative data and the epidemiology of epilepsy
Speaker: Colin Josephson (Canada)

Combining large linked national health records with genomics to advance personalised medicine
Speaker: Arturo Gonzalez-Izquierdo (United Kingdom)

Rational drug design using precision medicine models
Speaker: Emilio Perucca (Italy)

Benzodiazepines 60th Year Anniversary Symposium (1958-2018)

Chairs:
Chair: Christian Elger (Germany)
Chair: Tobias Loddenkemper (United States)

Gastaut’s magic bullet: The history of benzodiazepines in epilepsy
Speaker: Simon Shorvon (United Kingdom)

How benzodiazepines’ structure and pharmacokinetics affected their antiepileptic use
Speaker: Meir Bialer (Israel)

The current role of benzodiazepines in epilepsy treatment
Speaker: Martin Brodie (United Kingdom)

Can we develop better benzodiazepines?
Speaker: Wolfgang Löscher (Germany)

Ictal source localization - clinical implications and future perspectives

Chairs:
Chair: Margitta Seeck (Switzerland)
Chair: Sándor Beniczky (Denmark)

High density ictal source localization - what is the benefit?
Speaker: Margitta Seeck (Switzerland)
Scientific Programme

Automatic ictal source localization - is it feasible?
Speaker: Christoph Baumgartner (Austria)

Ictal source localization on MEG - additional benefits?
Speaker: Hermann Stefan (Germany)

From ictal source localization to connectivity analysis
Speaker: Pieter van Mierlo (Belgium)

Basic Science
14:40 - 16:10
Stolz

The role of thalamus in seizures and treatment in focal epilepsies

Chairs:
Chair: Ivan Rektor (Czech Republic)
Chair: Bogdan Florea (Romania)

Methods and concepts to explain the role of thalamus in temporal lobe epilepsy
Speaker: Hal Blumenfeld (United States)

Active role of anterior thalamus in elaboration of focal seizures
Speaker: Ivan Rektor (Czech Republic)

Imaging the thalamus and thalamocortical networks in focal epilepsy: significance for treatment outcome
Speaker: Simon Keller (United Kingdom)

Neurostimulation - clinical experience with various thalamic targets
Speaker: Friedhelm Carl Schmitt (Germany)

Psychiatry and Psychology
14:40 - 16:10
Schubert 1

Update on psychogenic nonepileptic seizures

Chairs:
Chair: Markus Reuber (United Kingdom)
Chair: Rosa Michaelis (Germany)

Towards an integrated biopsychosocial model of PNES
Speaker: Markus Reuber (United Kingdom)

PNES around the world: an ILAE survey
Speaker: Coraline Hingray (France)

PNES and epilepsy
Speaker: Sofia Markoula (Greece)

Psychotherapy for PNES
Speaker: Rosa Michaelis (Germany)
Scientific Programme

Aetiology, Classification, Semiology, Other
14:40 - 16:10

EAN - ILAE-CEA Symposium: From brain networks to clinical networks. The future of collaborative research?

Chairs:
Chair: Paul Boon (Belgium)
Chair: Eugen Trinka (Austria)

- **ESBACE: Burden, care and cost of epilepsy in Europe**
  Speaker: Jakob Christensen (Denmark)

- **epiCARE: The European Reference Network - where do we stand?**
  Speaker: Helen Cross (United Kingdom)

- **E-pilepsy: The European Pilot Reference Network**
  Speaker: Philippe Ryvlin (Switzerland)

Other
16:15 - 18:00

Herbert Reisner Prize - Scientific Session of the Austrian Society of Epileptology

Chairs:
Chair: Edda Haberlandt (Austria)
Chair: Gerhard Luef (Austria)

- **Introduction - Herbert Reisner-Prize**
  Speaker: Edda Haberlandt (Austria)

- **Criteria - Herbert Reisner-Prize**
  Speaker: Gerhard Luef (Austria)

- **Everolimus in infants with TSC-related West-Syndrome - First results from a single center prospective observational study**
  Speaker: Sharon Samueli (Austria)

- **Early epileptiform discharges and clinical signs predict nonconvulsive status epilepticus on continuous EEG**
  Speaker: Johannes Koren (Austria)

- **Left temporal lobe language network connectivity in temporal lobe epilepsy**
  Speaker: Karin Trimmel (United Kingdom)

- **Official award ceremony**
  Speaker: Edda Haberlandt (Austria)
Scientific Programme

Medical Therapy and Pharmacology
16:30 - 18:00

How do we safely stop, start and supervise the use of valproate in women with epilepsy?

Chairs:
Chair: Tony Marson (United Kingdom)

- New JME diagnosis in a 12 year old or 18 year old female
  Speaker: Helen Cross (United Kingdom)

- Women with well controlled IGE on valproate planning pregnancy
  Speaker: Tony Marson (United Kingdom)

- Women with poorly controlled IGE on valproate planning pregnancy
  Speaker: Reetta Kälviäinen (Finland)

- Women with unplanned pregnancy on valproate
  Speaker: Torbjörn Tomson (Sweden)

Satellite Symposia
16:30 - 18:00

Satellite Symposium - Eisai Europe Ltd.: Epilepsy in 2030: what can we expect?

Chairs:
Chair: Eugen Trinka (Austria)

- Epilepsy trends and priorities for the future
  Speaker: Eugen Trinka (Austria)

- Evolving epilepsy populations and changing goalposts
  Speaker: Matthew Walker (United Kingdom)

- The connected patient: monitoring seizures and beyond
  Speaker: Philippe Ryvlin (Switzerland)

- Personalized and precision medicine for epilepsy in 2030
  Speaker: Patrick Kwan (Australia)

Satellite Symposium - Zogenix International Ltd.: Dravet Syndrome: how can we better inform and shape future management?

Chairs:
Chair: Elaine Wirrell (United States)
Chair: Renzo Guerrini (Italy)

- DS and other sodium channelopathies: genotypes, phenotypes and treatment response
  Speaker: Andreas Brunklaus (United Kingdom)
**Scientific Programme**

- **Impact beyond seizures: evaluating the burden**
  Speaker: Adam Strzelczyk (Germany)

- **Clinical decision making: key considerations**
  Speaker: Catherine Chiron (France)

- **Shaping future management**
  Speaker: Rima Nabbout (France)

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**NORSE and FIRES: what to expect behind classification**

**Chairs:**
Chair: Nicola Specchio (Italy)

- **Is NORSE/FIRES based on inflammatory process?**
  Speaker: Eleonora Aronica (Netherlands)

- **What neuroimaging adds to the pathophysiology**
  Speaker: Stefano Meletti (Italy)

- **Is recovery feasible after the acute phase? And in which patients?**
  Speaker: Gerhard Kluger (Germany)
Scientific Programme

Wednesday, 29 August 2018

Aetiology, Classification, Semiology, Other
08:00 - 09:30 Strauss 2

Epilepsy and stroke - can we do better?

Chairs:
Chair: Johan Zelano (Sweden)

- Introduction and the impact of PSE on stroke outcome
  Speaker: Johan Zelano (Sweden)
- Choosing the right AED in post-stroke epilepsy
  Speaker: Francesco Brigo (Italy)
- Epilepsy in the context of overt or occult cerebrovascular disease
  Speaker: Hedley Emsley (United Kingdom)

Epilepsy Surgery
08:00 - 09:30 Lehar

Establishment of epilepsy surgery centres in low resource situations

Chairs:
Chair: David Steven (Canada)

- Establishment of epilepsy surgery in Peru
  Speaker: David Steven (Canada)
- Is non-invasive evaluation enough? Experience from a paediatric epilepsy unit in India
  Speaker: Pradnya Gagdil (India)
- Small steps for big changes: epilepsy surgery in Armenia
  Speaker: Biayna Sukhudyan (Armenia)
- The difficult way in Eastern Europe: Bulgaria and Romania are overcoming the gap
  Speaker: Petia Dimova (Bulgaria)
  Speaker: Ioana Mindruta (Romania)

Aetiology, Classification, Semiology, Other
08:00 - 09:30 Strauss 1

Imitators of epilepsy

Chairs:
Chair: Iris Unterberger (Austria)

- Paroxysmal dyskinesias
  Speaker: Iris Unterberger (Austria)
Scientific Programme

Syncopes
Speaker: Roland Thijs (Netherlands)

Sleep-related paroxysmal disorders
Speaker: Ramin Khatami (Switzerland)

Neuropathology of epilepsy - 2018 update

Chairs:
Chair: Ingmar Blümcke (Germany)

Revision of ILAE 2011 Neuropathological classification of focal cortical dysplasias
Speaker: Ingmar Blümcke (Germany)

Pathogenesis of focal cortical dysplasias
Speaker: Harvey Sarnat (Canada)

Epileptogenic cortical tumours
Speaker: Eleonora Aronica (Netherlands)

Hippocampal sclerosis
Speaker: Maria Thom (United Kingdom)

Basic science for clinicians: How do advances in our understanding of pathophysiological mechanisms translate to improved patient management?

Chairs:
Chair: Matthew Walker (United Kingdom)
Chair: Heidrun Potschka (Germany)

How does understanding mechanisms of action of available AEDs translate to improved patient care?
Speaker: Matthew Walker (United Kingdom)

How can knowledge about pathophysiological mechanisms guide rational drug development?
Speaker: Heidrun Potschka (Germany)

What is epigenetics and why should we care?
Speaker: David Henshall (Ireland)

How does understanding epileptic networks translate into novel therapeutic approaches?
Speaker: Marco de Curtis (Italy)

How will virtual epileptic brain models translate to personalized care?
Speaker: Christophe Bernard (France)
Satellite Symposia
08:00 - 09:30

**Satellite Symposium - Epilog: Update on ictal and interictal EEG source localization to identify the epileptogenic zone**

**Chairs:**
Chair: Margitta Seeck (Switzerland)

- a) Automated EEG source imaging: a retrospective, blinded clinical validation study
  Speaker: Sándor Beniczky (Denmark)

- **Epicare - prospective evaluation of ESI**
  Speaker: Sándor Beniczky (Denmark)

- **Case discussions**
  Speaker: Gudrun Kalss (Austria)
  Speaker: Ferrao Santos (Belgium)

- **Prospective studies in ESI: clinical impact**
  Speaker: Margitta Seeck (Switzerland)

- **Ictal EEG source localization**
  Speaker: Pieter van Mierlo (Belgium)

Aetiology, Classification, Semiology, Other
09:30 - 11:30

**Acquired epilepsies: mechanisms, therapeutic advances and unmet needs**

**Chairs:**
Chair: Alla Guekht (Russian Federation)
Chair: Dragoslav Sokic (Serbia)

- **Susceptibility and consequences of acquired epilepsies: does gender play a role?**
  Speaker: Piero Perucca (Australia)

- **Comorbidities and the neurobiological basis for epilepsies after brain lesions**
  Speaker: Alla Guekht (Russian Federation)

- **Blood-brain barrier dysfunction and epileptogenesis**
  Speaker: Alon Friedman (Canada)

- **Prevention or modification of epileptogenesis after brain insults: clinical perspective**
  Speaker: Eugen Trinka (Austria)

Paediatric Epileptology
09:30 - 11:30

**Advances in the development of diagnostic and prognostic biomarkers for childhood onset epilepsies**

**Chairs:**
Chair: Martha Feucht (Austria)
Chair: Helen Cross (United Kingdom)
**Scientific Programme**

**Biomarkers for seizure and developmental outcomes in early onset childhood epilepsies - lessons learned from our patients**  
Speaker: Sergiusz Jozwiak (Poland)

**Biomarkers for recognition of candidacy for epilepsy surgery**  
Speaker: Helen Cross (United Kingdom)

**Biomarkers for seizure freedom after epilepsy surgery**  
Speaker: Julia Jacobs (Germany)

**Prediction of seizure recurrence and long-term outcome after AED withdrawal in seizure-free patients**  
Speaker: Kees Braun (Netherlands)

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**Psychiatry and Psychology**  
**09:30 - 11:30**  
**Schubert 4**

**Neuropsychology Teaching Course: Evidence-based psychobehavioral treatments for people with epilepsy**

**Chairs:**  
Chair: Sallie Baxendale (United Kingdom)  
Chair: Rosa Michaelis (Germany)

**Why and how psychobehavioral treatments might work in epilepsy**  
Speaker: Markus Reuber (United Kingdom)

**Evidence base: A meta-analysis of psychobehavioral interventions**  
Speaker: Rosa Michaelis (Germany)

**Psychobehavioral treatment across the illness spectrum: Recommended key interventions for the main treatment scenarios**  
Speaker: Laura Goldstein (United Kingdom)

**Non-pharmacological seizure management techniques**  
Speaker: Tobias Lundgren (Sweden)

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**Basic Science**  
**09:30 - 16:30**  
**Poster Area**

**Basic science 7**

**Abnormal Clock gene oscillation and decreased Sirt1 expression causes abnormal circadian rhythms in epileptic Kv1.1 knock out mice**  
Speaker: Rama Maganti (United States)

**Antiseizure properties of cannabidiol are attenuated in the absence of transient receptor potential vanilloid 1 receptors**  
Speaker: N Jones (United Kingdom)

**A role of the orphan G-protein coupled receptor in the anti-epileptic properties of cannabidiol**  
Speaker: Colin Stott (United Kingdom)
Scientific Programme

In-depth characterisation of an infantile rat model of epileptic encephalopathy for testing disease-modifying treatments
Speaker: Teresa Ravizza (Italy)

Functional connectivity changes during epileptogenesis: a longitudinal resting-state functional MRI study
Speaker: Emma Christiaen (Belgium)

Epileptic discharges in an experimental animal model for intracerebral hemorrhage
Speaker: Charlotte Germonpré (Belgium)

Basic science 8

Functional and morphological changes in rat brain slices following repeated seizures evoked with 4-aminopyridine treatment
Speaker: Petra Varró (Hungary)

Dynamics of neuronal activity in the cerebral neocortex during human epileptic seizures revealed by microelectrode recordings
Speaker: Pierre Mégevand (Switzerland)

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

A functional microRNA atlas of the hippocampus in experimental temporal lobe epilepsy
Speaker: David Henshall (Ireland)

Both neuronal expression of P-glycoprotein and erythropoietin receptor can be induced in vitro by glutamate, as well as in vivo by status epilepticus
Speaker: Jerónimo Auzmendi (Argentina)

Pharmacoresistant neonatal seizures: critical mechanistic insights from a chemoconvulsant model
Speaker: Shilpa Kadam (United States)

Elucidate the mechanism of vagus nerve stimulation therapy using immune antibody staining
Speaker: Go Seyama (Japan)

Bifrontal 7-Hz discharges represent early posttraumatic epileptiform activity in rats
Speaker: Ilia Komoltsev (Russian Federation)

GABA receptor subunit expression is significantly altered in the amygdala in human temporal lobe epilepsy
Speaker: Harald Stefanits (Austria)

To study the role of P-gp expression and phenobarbital levels in the experimental model of PTZ induced resistant epilepsy in rats
Speaker: Bikash Medhi (India)
Lacosamide and levetiracetam have no effect on sharp-wave ripple rate
Speaker: Jan Kudlacek (Czech Republic)

Differences in effectiveness of Lacosamide and generic version medication
Speaker: Ja Un Moon (Korea, Republic of)

Level of urine N-telopeptide of type I collagen in patients treated with antiepileptic drug
Speaker: Yoon Seon Park (Korea, Republic of)

Time course of free radical production associated with status epilepticus in immature brain
Speaker: Jaroslava Folbergrová (Czech Republic)

Locked nucleic acid antagonim targeting microRNA-134 protects against epileptiform activity without non-specific effects on pyramidal neuron biophysics
Speaker: Gareth Morris (United Kingdom)

The effect of levetiracetam therapy on the autonomous nerve system with newly diagnosed epilepsy patients
Speaker: Demet Ilhan Algin (Turkey)
Scientific Programme

Looking for new interictal electrophysiological markers of the epileptogenic zone at different frequency bands
Speaker: Nicolas Roehri (France)

Existence of motor evoked potential polyphasia in patients with juvenile myoclonic epilepsy and their healthy first degree relatives
Speaker: Stefani Stefani (Cyprus)

Evaluation of dual accelerometer detection algorithms for tonic-clonic seizures
Speaker: Fredrik Ohlsson (Sweden)

Feasibility study for using consumer-grade EEG headsets to improve the life of patients with absence epilepsy
Speaker: Dirk Loeckx (Belgium)

Reading and praxis induction in juvenile myoclonic epilepsy in comparison with juvenile absence epilepsy
Speaker: Emel Ur Ozcelik (Turkey)

Subcutaneous EEG reliably detects certain seizures
Speaker: Sigge Weisdorf (Denmark)

Sleep-wakefulness connectivity variation in children with predominantly nocturnal focal seizures
Speaker: Anca Adriana Arbune (Romania)

Neurophysiology and Neuroimaging
09:30 - 16:30

Clinical neurophysiology 6

Impact of selective cyclooxygenase-2 inhibitor, celecoxib on cortical excitability and electrophysiological property in brain of healthy volunteer: randomized, double-blind, placebo-controlled study
Speaker: Jung-Ah Lim (Korea, Republic of)

Added value of EEG source localization in extra-temporal lobe epilepsy
Speaker: Pieter van Mierlo (Belgium)

Functional connectivity in high frequencies (80-300 Hz) decreases inside the seizure onset zone at the seizure start
Speaker: Eva Peslova (Czech Republic)

Feasibility of language-related ERP recordings from stereo-EEG in children
Speaker: Birgit Pimpel (United Kingdom)

Babel: a new method for the study of network transitions, a comparison with coherence and an example application in invasive EEG and epilepsy
Speaker: Beatriz Chavarría (Spain)

Focal epileptic seizures anticipation based on heart rate variability features
Speaker: Pelagia Vorgia (Greece)
Scientific Programme

Inter-ictal EEG spike inflow-outflow connectivity pattern analysis using Partial Directed Coherence (PDC), and its relation to connectivity mapping in time and frequency domains. Validation of inter-hemispheric connectivity analysis using EEG Wada data in temporal lobe epilepsy cases
Speaker: Alberto Pinzon (United States)

Impact of cEEG on clinical outcome in patients with altered consciousness: a randomized controlled trial (CERTA)
Speaker: Andrea Rossetti (Switzerland)

Motor seizure detection and alerting with a wearable device
Speaker: Paola De Liso (Italy)

Clinical pharmacology 5

Anger, mood and quality of life in patients with epilepsy treated with eslicarbazepine acetate
Speaker: Manuel Toledo (Spain)

Real-life experience with perampanel in 36 patients
Speaker: Luca Tagliafico (Italy)

Perampanel in treatment of patients with focal epilepsy with a syndrome of the bilateral synchronization on the EEG
Speaker: Liudmila Lipatova (Russian Federation)

Pharmacokinetic drug-drug interaction between lacosamide and other antiepileptic drugs in Japanese adult patients with epilepsy
Speaker: Makiko Ota (Japan)

Effect of valproic acid on perampanel pharmacokinetics in patients with epilepsy
Speaker: Francesca Bisulli (Italy)

An initial practical experience of perampanel monotherapy in patients with epilepsy
Speaker: Nataliya Perunova (Russian Federation)

Healthcare resource utilization among patients treated with perampanel: a retrospective UK database study
Speaker: Sarah Holden (United Kingdom)

Clinical experience of perampanel in intractable focal onset: over 12 months follow-up
Speaker: Soo Yeon Kim (Korea, Republic of)

Efficacy and tolerability of brivaracetam in patients with refractory epilepsy. An open prospective follow-up study
Speaker: Torleiv Svendsen (Norway)

Efficacy and tolerability of perampanel to treat drug resistant sleep seizures
Speaker: Mar Carreño (Spain)

Pharmacokinetics and tolerability of the T-type calcium channel blocker ACT-709478, a potential new antiepileptic drug, in a single-ascending dose study in healthy subjects
Speaker: Priska Kaufmann (Switzerland)
Medical Therapy and Pharmacology
09:30 - 16:30

**Clinical pharmacology 6**

- **Lamotrigine monotherapy in juvenile myoclonic epilepsy**
  Speaker: Jooyong Kim (Korea, Republic of)

- **Brivaracetam: a single UK centre prospective study of long-term effectiveness in focal onset epilepsy**
  Speaker: Melissa Maguire (United Kingdom)

- **Efficacy and tolerance of perampanel - multicentric study**
  Speaker: Kamila Volna (Czech Republic)

- **Perampanel as add-on treatment in highly drug-resistant epilepsies: real-world data from an Italian epilepsy centre**
  Speaker: Martina Fanella (Italy)

- **Cannabis use and patient reported outcome measures in a prospective, tertiary-care cohort of patients with epilepsy**
  Speaker: Sandra Wahby (Canada)

- **Hair loss: a rare side effect of levetiracetam**
  Speaker: Hakan Kaleagasi (Turkey)

- **Efficacy, tolerability, and blood concentration of zonisamide in daily clinical practice**
  Speaker: Sung Eun Kim (Korea, Republic of)

- **Favourable response to tocilizumab in a case of seronegative autoimmune encephalitis with progressive MRI defects refractory to IVIG and rituximab**
  Speaker: Anni Saarela (Finland)

Aetiology, Classification, Semiology, Other
09:30 - 16:30

**Clinical semiology 3**

- **‘Fly biting’ or trombone tongue: novel semiology of lingual seizures due to left mesial temporal lobe epilepsy in an adolescent**
  Speaker: Munni Ray (United Kingdom)

- **Clinical characteristics of seizures in patients with posterior reversible encephalopathy syndrome**
  Speaker: Se-Jin Lee (Korea, Republic of)

- **Bimodal language in post-ictal aphasia**
  Speaker: Agnes Trebuchon (France)

- **Cerebral venous sinus thrombosis and seizures; retrospective evaluation of long-term follow-up**
  Speaker: Kezban Aslan (Turkey)

- **Anatomoelectroclinical features of seizures with pure insular onset**
  Speaker: Maria Peltola (Finland)
Scientific Programme

Epilepsy as presentation form of amyloid angiopathy
Speaker: José David Herrera-García (Spain)

Gelastic seizures or ictal smiling? A different semiological features in temporal lobe epilepsy
Speaker: Nerses Bebek (Turkey)

Visual aura in patients with migraine and epilepsy
Speaker: Galina Odintsova (Russian Federation)

De Morsier syndrome as etiology of atonic seizures in a young woman
Speaker: Maria Jose Hernandez Garcia (Spain)

Clinical aspects of comorbidity of temporal lobe epilepsy and narcolepsy type 1 - two case reports
Speaker: Katarína Klobučníková (Slovakia)

Using surface electromyography to differentiate between generalized tonic-clonic seizures and psychogenic non-epileptic seizures
Speaker: Anton Gumbinger (Austria)

Epidemiology 2

Awareness and attitude toward epilepsy among medical students and allied health care students at King Abdulaziz University, a survey study
Speaker: Soha A. Alomar (Saudi Arabia)

The structure of paroxysmal syndrome with neurosurgical cerebrovascular pathology, taking into account the gender and age characteristics
Speaker: Anna Oleynik (Russian Federation)

The occurrence of neurological and psychiatric symptoms and diseases in families of epilepsy patients compared to control families - an interview study on patients with epilepsy
Speaker: Eemeli Saastamoinen (Finland)

A longitudinal study of presurgical characteristics and surgical outcome of intractable epilepsy due to focal cortical dysplasia
Speaker: Martin Pail (Czech Republic)

Epidemiology of acute symptomatic seizures in the department of neurology
Speaker: Rita Raimundo (Portugal)

Half of the patients with psychogenic nonepileptic seizures have concomitant epilepsy: big diagnostic challenge
Speaker: Serap Saygi (Turkey)

Prevalence and risk factors for active epilepsy in a rural health district in the North-West region of Cameroon
Speaker: Samuel Anye Angwafor (United Kingdom)
A retrospective analysis of an adult population with typical electroencephalographic criteria for absence epilepsy
Speaker: Rita Raimundo (Portugal)

Paediatric Epileptology
09:30 - 16:30  
Poster Area

Epilepsy and neurodevelopment 2

Cumulative effects of antiepileptic drugs on IQ and brain structure in children with focal epilepsy
Speaker: Carmen H. Stevering (Netherlands)

Neurodevelopmental outcome in patients with KCNQ2 epileptic encephalopathy
Speaker: Ilaria Tondo (Italy)

Demographic, clinical feature and response to surgical treatment in 33 patients
Speaker: Suad Alyamani (Saudi Arabia)

Does extension of acute BBB impairment after stroke predict development of vascular epilepsy?
Speaker: David Kala (Czech Republic)

Clinical-electroencephalographic outcomes and relationships with autistic features in preschoolar children with Idiopathic Autism Spectrum Disorder
Speaker: Marta De Rinaldis (Italy)

Epileptiform abnormalities in wakefulness and sleep in children with specific language impairment
Speaker: Iva Příhodová (Czech Republic)

Estimation of frontal lobe absence epilepsy with ADHD
Speaker: Eiji Nakagawa (Japan)

Preventive epilepsy therapy in patients with tuberous sclerosis complex (TSC)
Speaker: Antonina V Grigorieva (Russian Federation)

Paediatric Epileptology
09:30 - 16:30  
Poster Area

Epilepsy in childhood 5

Prevalence of epilepsy after febrile seizures in older children
Speaker: Motoko Ogino (Japan)

Epilepsy in infancy: a prospective population-based study in London and South-East of England
Speaker: Jane Kung (United Kingdom)

Sleep-related hypermotor epilepsy in children
Speaker: Marta Elena Santarone (Italy)
Scientific Programme

Chewing induced reflex seizures („eating epilepsy“) as a new additional clinical feature in pediatric patients with SYNGAP1 mutations? Review of literature and case report
Speaker: Kirsten Eschermann (Germany)

The corelation between ADHD and brain MRI findings in children with epilepsy
Speaker: In Goo Lee (Korea, Republic of)

Efficacy of intrathecal baclofen pump to neurological manifestations of type 2 Gaucher disease
Speaker: Mahoko Furujo (Japan)

Efficacy of perampanel for the treatment of focal epilepsy in children and adolescents
Speaker: Natalya Savelyeva (Russian Federation)

"It’s my worst fear“ - a phenomenological study of being the parent of a 3-6 year old child with epilepsy
Speaker: Klaus Ehrenreich (Denmark)

Lower dynamic functional connectivity in children with benign epilepsy with centro-temporal spikes during language processing
Speaker: Alexandre N. Datta (Switzerland)

Experience with Everolimus in infants and toddlers with TSC-related epilepsies
Speaker: Sharon Samueli (Austria)

Long-term safety, rollover study of adjunctive everolimus in patients with tuberous sclerosis complex (TSC)-associated treatment-refractory seizures who continue to benefit from everolimus treatment after completion of EXIST-3
Speaker: Elena Belousova (Russian Federation)

Paediatric Epileptology
09:30 - 16:30

Epilepsy in childhood 6

Efficacy, safety and neurodevelopmental comparisons of levetiracetam or phenobarbital initiated cases in newborn period
Speaker: Nihal Olgac Dundar (Turkey)

Speaker: Anežka Bělohlávková (Czech Republic)

Early seizure onset in TSC: probing for prognostic markers
Speaker: Francesca Cervi (Italy)

Status epilepticus in children about 41 cases
Speaker: Lamia Sfaihi (Tunisia)

Dravet-syndrome with different phenotype, genotype and outcome
Speaker: Vlasta Đuranović (Croatia)

Phenotypical picture in RELN gene mutation
Speaker: Carmen Sandu (Romania)

Hypertension during ACTH therapy for infantile spasms
Speaker: Yoshikazu Kitami (Japan)
Scientific Programme

Pharmacoresistant focal seizures in a Haberland’s syndrome
Speaker: Sofia Popovich (Russian Federation)

Childhood absence epilepsy and vagus nerve stimulation: the French experience with a pre- and post-VNS insertion neuropsychological evaluation
Speaker: Norbert Khayat (France)

Breast milk and the ketogenic diet - how we do it
Speaker: Anastasia Dressler (Austria)

New onset refractory status epilepticus and claustrum lesions in a child - a diagnosis and therapeutic challenge
Speaker: Claudia Melo (Portugal)

Other
09:30 - 16:30

Epilepsy in the elderly 2

Cerebral small vessel disease burden in late-onset epilepsy
Speaker: Laura Abraira del Fresno (Spain)

Incidence of secondary epilepsy at inpatients of neurology intensive care unit
Speaker: Valbona Govori (Kosovo, Republic of)

Drug resistant epilepsy in older adults
Speaker: Moshe Hershkovitz (Israel)

Clinical extension of osteoporosis study in institutionalized adult patients with refractory epilepsy
Speaker: J.J.L. Berkvens (Netherlands)

Prospective hospital-based study of early-onset and late-onset post-stroke seizure predictors and outcomes
Speaker: Ksenia Pochigaeva (Russian Federation)

New onset adult insulinoma presenting as intractable epilepsy - an increasingly common phenomenon
Speaker: Christopher Philbey (United Kingdom)

Nonconvulsive status epilepticus as a stroke mimic
Speaker: Ana Mihailovic (Serbia)

Epilepsy Surgery
09:30 - 16:30

Epilepsy surgery 5

A single centre study comparing the effectiveness of the AspireSR® 106 Vagus Nerve Stimulator model to older models in drug resistant epilepsy
Speaker: Melissa Maguire (United Kingdom)
Scientific Programme

**Estimated outcome versus observed outcome in epilepsy surgery**
Speaker: Karl Martin Klein (Germany)

**New-onset bilateral tonic-clonic seizures after epilepsy surgery: a national register study**
Speaker: Johan Bjellvi (Sweden)

**Quality of life after epilepsy surgery in children with medically resistant temporal lobe epilepsy**
Speaker: Konstantin Abramov (Russian Federation)

**Surgical strategy of temporal lobe meningoencephalocele associated with pharmacoresistant epilepsy: a case report**
Speaker: Sofia Popovich (Russian Federation)

**Temporal lobectomy for refractory epilepsy: outcomes and predictors of seizure recurrence**
Speaker: Jason L. Gerrard (United States)

**Surgical outcomes of temporal epilepsy due to structural lesions**
Speaker: Irem Capraz Yildirim (Turkey)

**Clinical manifestations, diagnosis and treatment of insular epilepsy caused by cavernous malformation**
Speaker: Roza Khachatryan (Russian Federation)

**Cognitive and seizure outcome in elderly temporal lobe epilepsy surgery**
Speaker: Salma Hanna (Canada)

**Post-operative hippocampal volume changes on magnetic resonance volumetry in patients with mesial temporal lobe epilepsy**
Speaker: Koji Iida (Japan)

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**Epilepsy Surgery**
09:30 - 16:30

**Epilepsy surgery 6**

**Epilepsy surgery in MTLE - clinical results compared with histopathological findings**
Speaker: Eva Brichtova (Czech Republic)

**The preictal and ictal evolution of oscillatory activities in temporal lobe epilepsy: a SEEG study**
Speaker: Barbora Sklenárová (Czech Republic)

**Experience in the use of invasive stereo EEG monitoring for the surgical treatment of pharmacoresistant epilepsy**
Speaker: Nazgul Kalybaeva (Russian Federation)

**Strengths and pitfalls of disconnective procedures in epilepsy surgery**
Speaker: Alessandro De Benedictis (Italy)

**Microelectrode recording signals originating from structures inferior to expected location of anterior nucleus of thalamus (ANT) predict lateral pass of ANT in DBS surgery for epilepsy**
Speaker: Soila Järvenpää (Finland)
Epileptic encephalopathies 4

**Electro-clinical features in KCNB1 encephalopathy**
Speaker: Ilaria Pizzolorusso (Italy)

**Influence of contra-indicated medication use on cognitive outcomes in Dravet syndrome and age at first afebrile seizure as clinical predictor in SCN1A-related seizure phenotypes**
Speaker: B.P.C. Koeleman (Netherlands)

**Migrating partial seizures in infancy**
Speaker: Sanja Pejic Rosko (Croatia)

**ESES-like EEG pattern in KCNB1-related encephalopathy**
Speaker: Guido Rubboli (Denmark)

**Sleep EEG analysis in ESES patients: a retrospective case series study**
Speaker: Cristina Pomeran (Romania)

**Epileptic and neuropsychological outcome in patients with West Syndrome of unknown etiology**
Speaker: Michela Quintiliani (Italy)

**Biallelic variants in CNPY3 cause West syndrome with hippocampal malrotation and characteristic fast waves**
Speaker: Mitsuhiro Kato (Japan)

Genetics 4

**Association of polymorphisms of dopaminergic system genes with the risk for side effects of levetiracetam in patients with epilepsy (pilot study)**
Speaker: Anna Usoltseva (Russian Federation)

**The prevalence of CYP2D6*4 gene polymorphism associated with the efficacy / toxicity of antiepileptic drugs**
Speaker: Liudmila Lipatova (Russian Federation)

**Clinical, molecular and computational analysis in patients with a novel double mutation and a new synonymous variant in MeCP2: report of the first missense mutation within the AT-hook1 cluster in Rett syndrome**
Speaker: Faiza Fakhfakh (Tunisia)

**Familial early onset eyelid myoclonia with absences associated with RORB mutation**
Speaker: Elena Gardella (Denmark)

**Non-mendelian causes of temporal lobe epilepsy**
Speaker: Heinz Krestel (Switzerland)

**Epileptic encephalopathy with facial dysmorphia due to deletion of CHD2**
Speaker: Veronica Zabrodets (Belarus)
Scientific Programme

Identification of structural variants in previously unsolved epilepsy cases using linked-reads sequencing technique
Speaker: Christina Dühring Fenger (Denmark)

The relevance of rare genetic variation of microRNAs, their biosynthesis genes and target regions in epilepsy
Speaker: Karl Martin Klein (Germany)

The role of genomic investigations in epilepsy patients with complex phenotypes
Speaker: Catrinel Iliescu (Romania)

A case of cerebrotendinous xanthomatosis presenting with drug-resistant epilepsy as an initial symptom with a novel c670_671 delAA, p.K224Tfs*63 mutation in the CYP27A1 gene
Speaker: Ozden Kamisli (Turkey)

Neurophysiology and Neuroimaging
09:30 - 16:30

Neuroimaging 4

Distinct cortical and subcortical structural alterations mirroring daytime-related seizure occurrence
Speaker: Stanislav Alexandru Groppa (Moldova, Republic of)

fMRI of hippocampal activation on individual basis in patients with intractable epilepsy
Speaker: Sasha Alick (United States)

The effect of cortical dysplasia on the brain activation and white matter tracts in patients with epilepsy
Speaker: Sasha Alick (United States)

Cognitive dysfunction in frontal lobe epilepsy: a neuropsychometry and fMRI study
Speaker: Lorenzo Caciagli (United Kingdom)

Pivotal role of the globus pallidus as a network hub in focal epilepsy: evidence from graph theoretical analysis based on DTI
Speaker: Kang Min Park (Korea, Republic of)

Lateralization of temporal lobe epilepsy using MRI and DTI findings in hippocampus
Speaker: Jafar Mehvari Habibabadi (Iran, Islamic Republic of)

Progressive topological disorganization of brain network in focal epilepsy
Speaker: Kang Min Park (Korea, Republic of)

A neuroimaging model based on MRI, DTI, and SPECT findings for lateralization of temporal lobe epilepsy
Speaker: Jafar Mehvari Habibabadi (Iran, Islamic Republic of)

Localizing the language network with fMRI and functional connectivity: implications for presurgical planning
Speaker: Victoria Ives-Deliperi (South Africa)
Neuropsychology of epilepsy 2

Assessing quality of life (QoL) in patients with seizures associated with tuberous sclerosis complex (TSC)
Speaker: Theo Tritton (United Kingdom)

Social cognition deficits and quality of life in patients with drug resistant epilepsy
Speaker: Aleksandra Bala (Poland)

Gender differences in sexuality in patients with epilepsy
Speaker: Liudmila Lipatova (Russian Federation)

Forced normalization, a necessity for new consideration
Speaker: Nasim Tabrizi (Iran, Islamic Republic of)

Evaluating the longer-term cognitive effects of adjunctive perampanel compared to lacosamide in a naturalistic outpatient setting
Speaker: Carolin Meschede (Germany)

Evaluation of a short demographic questionnaire for bedside estimation of patients’ global cognitive functioning in epilepsy patients
Speaker: Katja Menzler (Germany)

Effect of interictal epileptic spikes on sleep spindles in medial temporal regions during NREM sleep: are there consequences on memory long-term consolidation? A SEEG study
Speaker: Isabelle Lambert (France)

Composition of texts with syllabic separation of words during reading in epilepsy
Speaker: María Graciela Cano Celestino (Mexico)

Multimodal analysis of cognitive functions in patients with epilepsy
Speaker: Biljana Gjoneska (Macedonia, the Former Yugoslav Republic of)

Seizures dynamic beyond the epileptogenic zone impact word production performance in pharmaco-resistant epilepsy
Speaker: Agnes Trebuchon (France)

Neurostimulation 2

Review of internal referrals of patients with drug resistant epilepsy for vagus nerve stimulation (VNS)
Speaker: Laia Nou (Spain)

Observed suppressed power after single pulse electrical stimulation is associated with the occurrence of early responses
Speaker: Michelle Dascha van der Stoel (Netherlands)

Can drug-resistant epilepsies in Rare diseases be a specific target for vagal nerve stimulation?
Speaker: Daniele Grioni (Italy)
Scientific Programme

**Vagus nerve stimulation - multicenter experience in Brazil**
Speaker: Henrique Jannuzzelli Pires do Prado (Brazil)

**Laryngeal muscle-evoked potentials to evaluate vagus nerve activation**
Speaker: Charlotte Bouckaert (Belgium)

**Efficacy and safety of the AspireSR® VNS at Ghent University Hospital, Belgium**
Speaker: Ann Mertens (Belgium)

**Anti-epileptic drug profile extraction on TMS-induced brain oscillations**
Speaker: Isabella Premoli (United Kingdom)

**Short-interval intracortical facilitation in epilepsy**
Speaker: Katri Silvennoinen (United Kingdom)

**Intracranial direct stimulation and acute psychosis**
Speaker: Estefanía Conde Blanco (Spain)

Social
09:30 - 16:30

Poster Area

**Organisation of care 2**

**The yield of early intervention at the first epileptic seizure**
Speaker: Eric Ménétré (Switzerland)

“Epilepsy nurses makes a difference!“ The nurse´s new role increase the quality of the cognitive examination of children with epilepsy and binds interdisciplinary collaboration together
Speaker: Anne Brodersen (Denmark)

**Pre-hospital and emergency care of adult and paediatric seizure - an hospital based review**
Speaker: Vera Espírito Santo (Portugal)

**Integrating the systematic assessment of psychological states in the epilepsy monitoring unit: concept and compliance**
Speaker: Rosa Michaelis (Germany)

**European Audit of Seizure management in Hospitals (EuroNASH): preliminary results of the audit in Austria**
Speaker: Teia Kobulashvili (Austria)

**1 year pilot study of a technology-enabled platform for supporting patients with epilepsy**
Speaker: Rupert Page (United Kingdom)

Other
09:30 - 16:30

Poster Area

**Prognosis and outcome**

**Clinical Characteristics and prognosis of patients with seizure secondary to autoimmune encephalitis: a retrospective study in east China**
Speaker: Yao Lu (China)
**Scientific Programme**

**Patient-related factors associated with accidental injuries in patients with generalized tonic-clonic seizures. Results of an observational, cross-sectional, multicenter study (QUIN-GTC study)**
Speaker: Xavier Salas-Puig (Spain)

**Modelling seizures in epilepsy – an alternative to the Cox model**
Speaker: Anthony Marson (United Kingdom)

**Long-term postoperative course of symptomatic epilepsy associated with Benign brain tumors**
Speaker: Yelena Marchenko (Russian Federation)

**The impact of generalized tonic clonic seizure clusters**
Speaker: Victoria Reick-Mitrisin (United States)

**Risks of comorbidities that affect mortality rate of epileptic patients in Thailand**
Speaker: Somsak Tiamkao (Thailand)

**Determination of the risk factors which maintain the epileptogenesis in the patients with neurocysticercosis**
Speaker: Nadejda Gorincioi (Moldova, Republic of)

**Juvenile myoclonic epilepsy: a focus on the efficacy of therapy and the rate of relapses according to long-term follow-up data**
Speaker: K.Yu. Mukhin (Russian Federation)

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**Psychiatry and Psychology**
09:30 - 16:30

**Psychiatry and epilepsy 2**

**Do antiepileptic drugs improve ADHD symptoms in children diagnosed with ADHD associated with interictal epileptiform discharges**
Speaker: Dobrinko Socanski (Norway)

**Do antiepileptic drugs affect psychosomatic symptoms? A short-term observational study in patients with newly diagnosed epilepsy**
Speaker: Sung-Pa Park (Korea, Republic of)

**Drug induced acute psychosis in epilepsy**
Speaker: Gordana Kiteva-Trenchevska (Macedonia, the Former Yugoslav Republic of)

**Dissociative identity disorder seems to be quite frequent in female patients treated for psychogenic non-epileptic seizures in epilepsy centers**
Speaker: Christoph Kurth (Germany)

**Quality of live of people with epilepsy - a multifactorial, retrospective analysis**
Speaker: Nadia Thamm (Austria)

**May psychiatric disorders predict the response to antiepileptic drugs?**
Speaker: Gonzalo Mazuela Aguila (Spain)

**Features of metabolism of F18-fludeoxyglucose in brain among patients with epilepsy and associated depression**
Speaker: Liudmila Lipatova (Russian Federation)
Scientific Programme

**PCDH19** girls clustering epilepsy carries significant risk of psychotic disorder after childhood
Speaker: Ingrid Scheffer (Australia)

**Status epilepticus 3**

- The clinical spectrum of new onset status epilepticus
  Speaker: Tia Chakraborty (United States)

- Clinical and electrophysiological correlation of refractory status epilepticus (SE)
  Speaker: Elene Tsitlidze (Georgia)

- Intravenous Fosphenytoin at 20 mg/kg: Is it enough in Indian children with status epilepticus?
  Speaker: Kavita Srivastava (India)

- Efficacy and safety of intravenous lacosamide in patients with acute seizure and status epilepticus at medical intensive care unit: a retrospective study
  Speaker: Thanarat Suansanae (Thailand)

- Long term predictive factor for poor outcome in refractory status epilepticus
  Speaker: Krittima Asavaveeradech (Thailand)

- Electroencephalography abnormalities in intensive care unit and frequency of non-convulsive / convulsive status epilepticus in long term monitoring
  Speaker: Kezban Aslan (Turkey)

- Propofol-Related Infusion Syndrome in Refractory Status Epilepticus. An underestimated fatal complication.
  Speaker: María Dolores Villar Martínez (Spain)

- Has the incidence and mortality associated with convulsive status epilepticus changed over time?: A systematic review
  Speaker: Aidan Neligan (United Kingdom)

- PET imaging complement clinical and MRI findings in a patient with Hu-antibody and seizures
  Speaker: Demet Kinay (Turkey)

- Efficacy of tocilizumab in new-onset refractory status epilepticus
  Speaker: Ho-Won Lee (Korea, Republic of)

**Late-breaking Abstracts 5**

- EEG-patterns in sporadic Creutzfeldt-Jakob disease: from mild encephalopathy to epileptic hyperexcitability
  Speaker: Vera Dinkelacker (France)
Scientific Programme

Vagus nerve stimulation in refractory and super-refractory status epilepticus - a systematic review
Speaker: Francesco Brigo (Italy)

EEGs findings in children with autism spectrum disorders
Speaker: Lamia Sfaihi (Tunisia)

Increased white matter hyperintensity volume in elderly-onset epilepsy without focal lesion
Speaker: Yun Ho Choi (Korea, Republic of)

Parental mosaicism in epilepsies due to “de novo” variants
Speaker: Rikke Møller (Denmark)

Supervised ensemble classifier of preoperative network characteristics predicts visual field deficit after selective amygdala-hippocampectomy
Speaker: Theodor Rüber (Germany)

Seizure control and treatment in pregnancy: observations from the Russian Register of Pregnancy and Epilepsy
Speaker: Anna Usoltseva (Russian Federation)

Disconnective versus resective surgery in epilepsy: surgical outcome and safety
Speaker: Hamda Kamalboor (Saudi Arabia)

International League Against Epilepsy/European Academy of Neurology recommendations on the use of valproate in girls and women of childbearing age - how do they work in practice
Speaker: Magdalena Bosak (Poland)

Late-breaking Abstracts 6

Effects of Early-life Kindling Stimulations on Parvalbumin Immunoreactivity in Cortex and Thalamus of GAERS rats
Speaker: Ozlem Akman (Turkey)

Seizure onset of epileptogenic cerebral dysplasias in children
Speaker: Hava Gazdieva (Russian Federation)

A dramatic response to early initiation of Anakinra (interleukin-1 receptor antagonist) treatment in a 4.5 year old healthy child with FIRES (Febrile Infection Related Epilepsy Syndrome)
Speaker: Ilan Linder (Israel)

Changes in blood levels of selected immunological parameters in children with pharmacoresistant epilepsy treated with synthetic ACTH analogue - preliminary results
Speaker: Magdalena Kaczorowska-Frontczak (Poland)

Treatment of the child with early infantile epileptic encephalopathy-5 (EIEE5) with ketogenic diet
Speaker: Marek Bacheski (Poland)
Scientific Programme

Initial experience using the visualase MRI-guided stereotactic laser ablation system for epileptogenic lesions
Speaker: Firas Fahoum (Israel)

Naso-ethmoidal EEG electrode – a semi-invasive window onto mesial and orbitofrontal structures
Speaker: Dora A. Lozsadi (United Kingdom)

Combination of Interictal EEG and EEG-fMRI connectivity analysis improves prediction of post-operative outcome
Speaker: Giannina R. Iannotti (Switzerland)

Epilepsy Surgery
12:00 - 12:45 Strauss 2

Epilepsy surgery 2

Chairs:
Chair: John Duncan (United Kingdom)
Chair: Ekaterina Pataraia (Austria)

The immediate and short-term effects of bilateral intrahippocampal depth electrodes on verbal memory
Speaker: Christoph Helmstaedter (Germany)

Negative motor areas investigated with intracranial depth electrodes
Speaker: Leyla Baysal-Kirac (Germany)

Endoscopic Assisted Hemispherotomy: A Comparative Study With Open Hemispherotomy To Evaluate Efficacy, Complications And Outcome
Speaker: Sarat Chandra (India)

Epileptic encephalopathies

Chairs:
Chair: Nebojsa Jović (Serbia)
Chair: Gerhard Kluger (Germany)

SYNGAP1 developmental and epileptic encephalopathy: delineating the phenotypic spectrum
Speaker: Danique Rienke Maria Vlaskamp (Australia)

The socio-economic impact of Dravet syndrome on patients and their caregivers in Germany
Speaker: Adam Strzelczyk (Germany)

Effects on brain excitability of human healthy IgGs
Speaker: Laura Librizzi (Italy)

Risk factors for early mortality in SCN8A related epilepsy
Speaker: Elena Gardella (Denmark)
**Scientific Programme**

**Adult-onset Rasmussen encephalitis: rational long-term management of relapses and disease progression**  
Speaker: Andrea Stabile (Italy)

**Late-onset anti-N-methyl-D-aspartate receptor encephalitis in China**  
Speaker: Le Zhang (China)

**Late-breaking abstracts**

**Chairs:**  
Chair: Tim von Oertzen (Austria)  
Chair: Milan Brázdil (Czech Republic)

- **A phase 2 trial to explore the potential for a pharmacokinetic drug-drug interaction with valproate when in combination with cannabidiol in adult epilepsy patients**  
  Speaker: Elinor Ben Menachem (Sweden)

- **A first-in-human phase I study to assess the pharmacodynamic profile of a novel potassium channel opener (XEN1101) on human cortical excitability with TMS-EEG and TMS-EMG**  
  Speaker: Isabella Premoli (United Kingdom)

- **Automated EEG source imaging: a retrospective, blinded clinical validation study**  
  Speaker: Amir G. Baroumand (Belgium)

- **Generalized polyspike train: an EEG biomarker of drug-resistant idiopathic generalized epilepsy**  
  Speaker: Yanping Sun (China)

- **Microstructural imaging in mesial temporal lobe epilepsy: role of neurite density and myelination**  
  Speaker: Gavin Paul Winston (United Kingdom)

- **Volumetry of hippocampal subfields in patients with antibody-associated limbic encephalitis**  
  Speaker: Theodor Rüber (Germany)

**Basic Science**

12:00 - 13:30  
Stolz

**Basic science 3**

**Chairs:**  
Chair: Cecilie Johannessen Landmark (Norway)  
Chair: Piero Perucca (Australia)

- **Epilepsy, β amyloid and D1 dopamine receptors: a possible pathogenetic link?**  
  Speaker: Cinzia Costa (Italy)

- **Antiepileptic properties of combinatorial NPY and Y2 receptor gene therapy in a chronic model of temporal lobe epilepsy**  
  Speaker: Esbjörn Melin (Sweden)
Scientific Programme

**Effects of common antiepileptic drugs on biomarkers of oxidative stress in a human neuroblastoma cell line**
Speaker: Reyadh Al-Mosawi (United Kingdom)

**Alpha-lactalbumin protects against pentylenetetrazole-induced seizures in mice reducing intestinal inflammation**
Speaker: Emilio Russo (Italy)

**Valproate, carbamazepine and levetiracetam cause bone loss and modulate Wnt inhibitors: A comparative evaluation in normal and ovariectomised rats**
Speaker: Divya Vohora (India)

**Systemic delivery of antagomirs targeting miR-134 timed with blood-brain barrier opening are disease-modifying in experimental epilepsy**
Speaker: Cristina Reschke (Ireland)

Medical Therapy and Pharmacology
12:00 - 13:30 Schubert 1

**Clinical epileptology**

**Design and Comparative Evaluation of the Anticonvulsant Profile, Carbonic-Anhydrate Inhibition and Teratogenicity of Novel Carbamate Derivatives of Branched Aliphatic Carboxylic Acids with 4-Aminobenzensulfonamide**
Speaker: David Bibi (Israel)

**Increased network segregation as a biomarker in focal epilepsy**
Speaker: Margherita Carboni (Switzerland)

**Costs derived from of Status epilepticus (EE): associated factors and relationship with duration**
Speaker: Estevo Santamarina (Spain)

**Functional mapping of emotion recognition in epilepsy patients: an intracranial EEG study**
Speaker: Adam Kalina (Czech Republic)

**Siblings of Epileptic Encephalopathy Patients Are at Risk for Depression and Anxiety: Results from the Sibling Voices Survey**
Speaker: Laurie D. Bailey (United States)

**SEXUAL DYSFUNCTION IN PATIENTS WITH EPILEPSY**
Speaker: Jelena Šarić Sučić (Croatia)
Scientific Programme

Psychiatry and Psychology
12:00 - 13:30

Psychiatry & neuropsychology

Chairs:
Chair: Amos Korczyn (Israel)
Chair: Almasa Kapidžić (Bosnia and Herzegovina)

- **Cognitive features and surgical outcome of patients with long-term epilepsy associated tumors (LEAT) within the temporal lobe**
  Speaker: Viola L. Vogt (Germany)

- **Suicide risk in antiepileptic drug users - the role of previous suicidal behavior and psychiatric disease**
  Speaker: Jakob Christensen (Denmark)

- **Parent’s anxiety and coping with their child’s new-onset epilepsy: Association with children’s internalizing and externalizing behavior**
  Speaker: Daša Kočjančič (Slovenia)

- **Frequency and severity of challenging behaviour among adults with epilepsy and intellectual disability**
  Speaker: Jans S. van Ool (Netherlands)

- **Assessment of ADHD in a cohort of children and adolescents with epilepsy**
  Speaker: Francesca Cervi (Italy)

- **Early neurodevelopmental profiles and family impact in newly diagnosed epilepsy: Findings from a 3-year prospective cohort**
  Speaker: Liam Dorris (United Kingdom)

Epilepsy Surgery
12:45 - 13:30

Debate: Epilepsy surgery in the 21st Century

Chairs:
Chair: Margitta Seeck (Switzerland)

- **Epilepsy surgery is underused**
  Speaker: Christian Elger (Germany)

- **Epilepsy surgery is overused**
  Speaker: John Duncan (United Kingdom)

Other
14:15 - 16:15

Symposium of Excellence in Epileptology

Chairs:
Chair: Meir Bialer (Israel)
Chair: Eugen Trinka (Austria)
Scientific Programme

ILAE-CEA European Epileptology Award 2018: How is genetics changing treatment paradigms in epilepsy?
Speaker: Emilio Perucca (Italy)

ILAE-CEA Young Investigator Award 2018: SUDEP prevention: from identification of risk factors to potential therapeutic interventions
Speaker: Sylvain Rheims (France)

ILAE-CEA Young Investigator Award 2018: Development of a multicenter intracranial EEG atlas to differentiate normal from abnormal human brain activity
Speaker: Birgit Frauscher (Canada)

Presentation of ILAE Journal Awards

Epileptic Disorders Educational Prize 2017: Sudden unexpected death in epilepsy (SUDEP): what every neurologist should know
Speaker: Rohit Shankar (United Kingdom)

Epilepsia Open Prize 2018 – Clinical: Seizures, EEG abnormalities and outcome of ischemic stroke patients
Speaker: Carla Bentes (Portugal)

Aetiology, Classification, Semiology, Other
14:40 - 16:10

Connectivity in cognitive networks and epileptic networks

Chairs:
Chair: Serge Vulliémoz (Switzerland)
Chair: Pieter van Mierlo (Belgium)

EEG and fMRI connectivity in epilepsy
Speaker: Serge Vulliémoz (Switzerland)

Altered connectivity in language and memory networks in epilepsy
Speaker: Silvia Bonelli (Austria)

Network connectivity abnormalities in paediatric epilepsy: (trying to) separate transient from longer term network abnormalities
Speaker: David Carmichael (United Kingdom)

Structure-function relationships in epileptic networks: insights from imaging and computational models
Speaker: Maxime Guye (France)

Basic Science
14:40 - 16:10

Epilepsy and mitochondria

Chairs:
Chair: Stjepana Kovac (Germany)
Chair: Helmut Kubista (Austria)
Scientific Programme

- **Epilepsy due to mitochondrial disease – clinical and genetic diversity**
  Speaker: Shamima Rahman (United Kingdom)

- **The interplay of mitochondrial dysfunction and epileptiform discharge activities**
  Speaker: Matej Hotka (Austria)

- **Mitochondrial dysfunction and seizures - mechanisms and potential treatment strategies**
  Speaker: Wolfram Kunz (Germany)

- **Modelling seizure-like metabolic dysfunction in fibroblasts of patients suffering from mitochondrial disease - a screening platform for drug development**
  Speaker: Stjepana Kovac (Germany)

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**Medical Therapy and Pharmacology**

14:40 - 16:10

Stolz

**Epileptic encephalopathies in adulthood: clinical features and personalized therapy**

**Chairs:**
Chair: Karl Martin Klein (Germany)
Chair: Iris Unterberger (Austria)

- **Clinical evolution of epileptic encephalopathies: lessons from the paediatric clinic**
  Speaker: Pasquale Striano (Italy)

- **Epilepsy and intellectual disability in adulthood: genetic epileptic encephalopathy or structural epilepsy due to birth injury?**
  Speaker: Karl Martin Klein (Germany)

- **Investigating adults with epileptic encephalopathies**
  Speaker: Sanjay Sisodiya (United Kingdom)

- **Therapeutic implications and precision medicine: is there still something to win in adulthood?**
  Speaker: Sarah Weckhuysen (Belgium)

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Medical Therapy and Pharmacology

14:40 - 16:10

Schubert 1

**Pharmacoresistance and epileptogenesis**

**Chairs:**
Chair: Silvio Basic (Croatia)
Chair: Bernhard Steinhoff (Germany)

- **Epilepsy pharmacoresistance - what are we missing?**
  Speaker: Silvio Basic (Croatia)

- **Gene therapies in drug-resistant epilepsies**
  Speaker: Matthew Walker (United Kingdom)

- **Epigenetics in pharmacoresistant epilepsy**
  Speaker: Katja Kobow (Germany)
Scientific Programme

Pitfalls and obstacles in childhood pharmacoresistant epilepsy
Speaker: Dana Craiu (Romania)

Neurophysiology and Neuroimaging
14:40 - 16:10
Schubert 4

Seizure detection and quantification: paradigm shift in diagnosis and therapy of epilepsy?

Chairs:
Chair: Hermann Stefan (Germany)
Chair: Tim von Oertzen (Austria)

- **Scalp EEG-based seizure detection**
  Speaker: Christoph Baumgartner (Austria)

- **Invasive EEG-based seizure detection**
  Speaker: Mark Cook (Australia)

- **Non-EEG based seizure detection**
  Speaker: Sándor Beniczky (Denmark)

- **Wearable seizure detection devices and SUDEP prevention**
  Speaker: Philippe Ryvlin (Switzerland)

Psychiatry and Psychology
16:30 - 18:00
Strauss 2

Neurobehavioral co-morbidities in epilepsy: from mechanisms of vulnerability to predictive biomarkers, and to treatments

Chairs:
Chair: Christophe Bernard (France)
Chair: Liset Menendez de la Prida (Spain)

- **Depression and cognitive deficits in patients with epilepsy**
  Speaker: Marco Mula (United Kingdom)

- **Hippocampal rhythmopathies and cognitive co-morbidities in epilepsy**
  Speaker: Liset Menendez de la Prida (Spain)

- **Monoaminergic vulnerabilities predicting depression and ADHD in epilepsy**
  Speaker: Andrey Mazarati (United States)

- **Oxidative stress and vulnerability to depression and cognitive deficits**
  Speaker: Christophe Bernard (France)
Scientific Programme

Basic Science
16:30 - 18:00

The role of nodular heterotopia in epileptogenesis: a lesion or network disorder?

Chairs:
Chair: Philippe Kahane (France)
Chair: François Dubeau (Canada)

- The pathophysiology of grey matter heterotopia, their involvement in brain cortical development and functional consequences
  Speaker: Alfonso Represa (France)

- The physiological consequences of abnormal connectivity in patients with grey matter heterotopia
  Speaker: Mouhsin Shafi (United States)

- Electroclinical characteristics of nodular heterotopia
  Speaker: Fabrice Bartolomei (France)

- Nodular heterotopia causing refractory seizures: should we target the lesion, the circuit or the cortex?
  Speaker: Laura Tassi (Italy)

Medical Therapy and Pharmacology
16:30 - 18:00

Rational drug combination for disease prevention and disease-modification by network pharmacology

Chairs:
Chair: Christian Elger (Germany)
Chair: Annamaria Vezzani (Italy)

- Rational new drug combinations in clinical trials for antiepileptogenesis and disease modifications: is it feasible and how?
  Speaker: Matthias Koepp (United Kingdom)

- Combination of clinically used drugs for antiepileptogenesis therapies in experimental models
  Speaker: Wolfgang Löscher (Germany)

- Combinatorial treatments against neuroinflammation and oxidative stress for improving disease outcomes in animal models
  Speaker: Teresa Ravizza (Italy)

- Systems biology to identify gene networks in human epileptic brain for combinatorial drug discovery
  Speaker: Michael Johnson (United Kingdom)
Satellite Symposia
16:30 - 18:00

**Satellite Symposium - Novartis: Management of Seizures in Patients with TSC**

**Chairs:**
Chair: Martha Feucht (Austria)

**Tuberous sclerosis: a complex disease**
Speaker: Vicente Villanueva (Spain)

**Considerations for management of TSC and TSC-related seizures**
Speaker: Matthias Koepp (United Kingdom)

**Adjunctive everolimus therapy for the treatment of refractory seizures associated with TSC: final results from the EXIST-3 trial**
Speaker: Tilman Polster (Germany)

Genetics
16:30 - 18:00

**Genetics and pharmacogenetics of the epilepsies and their translation into clinical practice**

**Chairs:**
Chair: Sanjay Sisodiya (United Kingdom)
Chair: Caroline Neuray (Austria)

**New findings in epileptic encephalopathies**
Speaker: Sarah Weckhuysen (Belgium)

**Gene burden and pharmacogenetics in genetic generalized epilepsies**
Speaker: Holger Lerche (Germany)

**Genetic variants influencing response to antiepileptic drugs**
Speaker: Sanjay Sisodiya (United Kingdom)

**Pharmacogenetics of adverse reactions to antiepileptic drugs**
Speaker: Gianpiero Cavalleri (Ireland)

Neurophysiology and Neuroimaging
16:30 - 18:00

**VIREPA EEG courses: what and how we can teach you online**

**Chairs:**
Chair: Sándor Beniczky (Denmark)
Chair: Walter van Emde Boas (Netherlands)

**Basic-EEG: The use and abuse of clinical EEG**
Speaker: Bogdan Lorber (Slovenia)

**Advanced-EEG: Get more out of your digital EEG recording**
Speaker: Michaelis Koutroumanidis (United Kingdom)
Scientific Programme

VIREPA paediatric EEG course
Speaker: Monika Eisermann (France)
Scientific Programme

Thursday, 30 August 2018

Medical Therapy and Pharmacology
08:00 - 09:30
Strauss 2

Prescribing antiepileptic drugs (AEDs) in people with intellectual disability (ID) - current evidence, complexity, challenges, barriers, possible solutions and direction of research

Chairs:
Chair: Rohit Shankar (United Kingdom)

- Prescribing in people with ID - do we need to treat them differently?
  Speaker: Francesca Snoeijen-Schouwenaars (Netherlands)

- Prescribing in people with ID - what about genetics?
  Speaker: Jurgen Schelaas (Netherlands)

- Prescribing in people with ID - matching current evidence to clinics
  Speaker: Brendan McLean (United Kingdom)

- Prescribing in people with ID - what direction should research take? Results from the Ep-ID Research Register
  Speaker: William Henley (United Kingdom)

Paediatric Epileptology
08:00 - 09:30
Lehar

Developmental outcome of epileptic encephalopathies

Chairs:
Chair: Federico Vigevano (Italy)

- Introduction
  Speaker: Federico Vigevano (Italy)

- Pathogenesis of developmental impairment: the role of the gene mutations
  Speaker: Marina Trivisano (Italy)

- Pathogenesis of developmental impairment: the role of the epileptic activity
  Speaker: Natia Japaridze (Germany)

- Can we prevent the evolution toward most severe phenotypes?
  Speaker: Sameer Zuberi (United Kingdom)
Integrating psychological treatments into comprehensive epilepsy care - comparing opportunities, challenges and solutions across countries

**Chairs:**
Chair: Rosa Michaelis (Germany)

- **In-patient psychological support and outpatient psychoeducation in Austria**
  Speaker: Andrea Egger-Rainer (Austria)

- **Offering psychological support for individuals with impairments in social cognition in Switzerland**
  Speaker: Therese Siegenthaler (Switzerland)

- **Possibilities of supporting self-control in people with epilepsy in Switzerland (case example)**
  Speaker: Siegward Elsas (Switzerland)

- **Put off by seizures? The frequency and management of seizures during psychotherapeutic sessions with patients with epilepsy or psychogenic non-epileptic seizures**
  Speaker: Markus Reuber (United Kingdom)

- **Mindful care for people with epilepsy - developments in France**
  Speaker: Prisca Bauer-Sola (France)

- **Experiences of successful collaborations when integrating psychological treatments in everyday clinical care for those who suffer from epilepsy**
  Speaker: Tobias Lundgren (Sweden)

Advanced teaching video session: Seizure semiology - children

**Chairs:**
Chair: Martha Feucht (Austria)
Chair: Monika Eisermann (France)

- **Infantile epileptic syndromes**
  Speaker: Monika Eisermann (France)

- **Monitoring critically ill children**
  Speaker: Tobias Loddenkemper (United States)

- **Lateralizing/localizing signs in children with focal epilepsies**
  Speaker: Martha Feucht (Austria)
Scientific Programme

- **Frequency of epileptological problems in the ICU**
  Speaker: Stephan Rüegg (Switzerland)

- **Postanoxic status epilepticus: does it exist?**
  Speaker: Erik Westhall (Sweden)

- **EEG monitoring in the ICU: a tailored approach?**
  Speaker: Andrea Rossetti (Switzerland)

Social
08:00 - 09:30

**Social Care Forum: Facilitating self-management in epilepsy**

**Chairs:**
Chair: Caroline Morton (Netherlands)
Chair: Janet Mifsud (Malta)

- **Introduction to the forum - who we are and why this session?**
  Speaker: Caroline Morton (Netherlands)

- **Epilepsy futures**
  Speaker: Shirley Maxwell (United Kingdom)

- **EPIPICTO - why, how and feedback**
  Speaker: Janet Mifsud (Malta)
  Speaker: Thomas Porschen (Germany)
  Speaker: Michael Alexa (Austria)

Aetiology, Classification, Semiology, Other
09:30 - 11:00

**Epilepsy: care, costs, outcome**

**Chairs:**
Chair: Alla Guekht (Russian Federation)

- **Costs and socio-economic aspects of epilepsy care**
  Speaker: Hajo Hamer (Germany)

- **Transborder epilepsy care**
  Speaker: Bogdan Lorber (Slovenia)

- **Life expectancy in people with epilepsy**
  Speaker: Claudia Granbichler (Austria)

- **Acute symptomatic seizures: costs and outcomes**
  Speaker: Alla Guekht (Russian Federation)
EEG patterns in genetic epilepsies of childhood and adolescence

**Chairs:**
Chair: Carlo Alberto Tassinari (Italy)

- **KCNA2 epileptic encephalopathy**
  Speaker: Guido Rubboli (Denmark)

- **KCNT1 epilepsy of infancy with migrating focal seizures**
  Speaker: Monika Eisermann (France)

- **Unverricht-Lundborg disease**
  Speaker: Roberto Michelucci (Italy)

- **Lafora disease**
  Speaker: Jose Serratosa (Spain)

- **SLC2A Genetic Generalized Epilepsy (GGE)**
  Speaker: Pasquale Striano (Italy)

- **SLC6A1 Myoclonic Atonic Epilepsy (MAE)**
  Speaker: Rikke Møller (Denmark)

- **SCN8A epileptic encephalopathy**
  Speaker: Elena Gardella (Denmark)

*Open to a delegate bringing an EEG recording x 2*

Advanced teaching video session: Seizure semiology - adult: Illustrating the new ILAE seizure classification for focal seizures

**Chairs:**
Chair: Christoph Baumgartner (Austria)
Chair: Philippe Kahane (France)

- **Autonomic and emotional seizures**
  Speaker: Christoph Baumgartner (Austria)

- **Tonic and clonic seizures**
  Speaker: Petr Marusic (Czech Republic)

- **Hyperkinetic and cognitive seizures**
  Speaker: Philippe Kahane (France)
Scientific Programme

Aetiology, Classification, Semiology, Other
09:30 - 11:00

The complex semiology of “typical” absence seizures and syndromes

Chairs:
Chair: Athanasios Covavis (Greece)

- Are typical absence seizures really non-motor?
  Speaker: Iris Unterberger (Austria)

- Typical absence seizures and syndromes in infancy
  Speaker: Federico Vigevano (Italy)

- Typical absence seizures and syndromes in childhood
  Speaker: Athanasios Covavis (Greece)

- Typical absence seizures and syndromes in adolescent and adults
  Speaker: Michaelis Koutroumanidis (United Kingdom)

Neurophysiology and Neuroimaging
09:30 - 11:00

Advanced teaching session: Neuroimaging

Chairs:
Chair: Giorgi Kuchukhidze (Austria)
Chair: Jörg Wellmer (Germany)

- Preponing the detection of epileptogenic lesions by epilepsy-specific MRI protocols
  Speaker: Jörg Wellmer (Germany)

- A systematic approach to the spectrum of epileptogenic lesions
  Speaker: Giorgi Kuchukhidze (Austria)

- Automated MRI analysis
  Speaker: Giorgi Kuchukhidze (Austria)

- Structural MRI in the planning of epilepsy surgery
  Speaker: Jörg Wellmer (Germany)

Social
09:30 - 13:30

Patienten-Forum: “Epilepsie - aktiv leben” - Anfälle erkennen, beraten und behandel

Chairs:
Chair: Eugen Trinka (Austria)
Chair: Thomas Forschen (Germany)
Chair: Stephan Ruegg (Switzerland)
Chair: Michael Alexa (Austria)
Scientific Programme

Begrüßung und Eröffnung des Patienten-Forum 2018 durch Frau Bundesminister Beate Hartinger-Klein
Speaker: Beate Hartinger-Klein (Austria)

Compliance/Adhärenz
Speaker: Adam Strzelczyk (Germany)

Behandlung und Therapie
Speaker: Eugen Trinka (Austria)

Erste Hilfe beim Anfall und richtige Notfallmedikation - Für Erwachsene
Speaker: Iris Unterberger (Austria)

Erste Hilfe beim Anfall und richtige Notfallmedikation - Für Kinder und Jugendliche
Speaker: Martha Feucht (Austria)

Pause mit Besuch der Info-Stände

EPIPICTO - Neues europäisches Projekt bringt Epilepsie in Bildern
Speaker: Thomas Porschen (Germany)
Speaker: Michael Alexa (Austria)

Gemeinsame Diskussionsrunde

The new European regulatory guidelines on AED development: an update and future directions

Chairs:
Chair: Michel Baulac (France)
Chair: Jacqueline French (United States)

Revision of the EMA guidelines on AEDs: remaining issues
Speaker: André Elferink (Netherlands)

New outcome measures for AEDs
Speaker: Jacqueline French (United States)

Acute seizure trials revisited
Speaker: Eugen Trinka (Austria)

Advanced teaching session: Neurophysiology

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

Electromagnetic source imaging
Speaker: Sándor Beniczky (Denmark)
Scientific Programme

**Electroclinical correlations in neonatal seizures**
Speaker: Ronit Pressler (United Kingdom)

**EEG in critically ill patients**
Speaker: Andrea Rossetti (Switzerland)

Psychiatry and Psychology
11:30 - 13:00 Strauss 1

**Psychogenic non-epileptic seizures: a neurological or a psychiatric problem?**

**Chairs:**
Chair: Ettore Beghi (Italy)

- **The epileptologist's viewpoint on the mechanisms and management of PNES**
  Speaker: Markus Reuber (United Kingdom)

- **The psychiatrist's viewpoint on the mechanisms and management of PNES**
  Speaker: Massimiliano Beghi (Italy)

Genetics
11:30 - 13:00 Stolz

**Advanced teaching session: Genetic testing**

**Chairs:**
Chair: Friedrich Zimprich (Austria)
Chair: Bernd Neubauer (Germany)

- **Possibilities, limits and other clinically relevant aspects of whole exome sequencing**
  Speaker: Johannes Lemke (Germany)

- **Therapy of genetically defined early childhood epilepsy syndromes**
  Speaker: Bernd Neubauer (Germany)

- **Utility of clinical exome sequencing for adult epilepsy patients**
  Speaker: Friedrich Zimprich (Austria)

Aetiology, Classification, Semiology, Other
11:30 - 13:00 Schubert 1

**European Study on the Burden and Care of Epilepsy (ESBACE)**

**Chairs:**
Chair: Jakob Christensen (Denmark)

- **Prevalence of epilepsy in Europe**
  Speaker: Christine Linehan (Ireland)

- **Cost of epilepsy in Europe**
  Speaker: Poul Jørgen Jennum (Denmark)
Scientific Programme

Seizure management in hospitals in Europe
Speaker: Tony Marson (United Kingdom)

Provision of epilepsy care in Europe
Speaker: Kristina Malmgren (Sweden)

Other
13:00 - 14:00 Strauss 2

Congress Highlights Session

Chairs:
Chair: Meir Bialer (Israel)
Chair: Eugen Trinka (Austria)

Adult epileptology
Speaker: Alla Guekht (Russian Federation)

Basic and translational science
Speaker: Matthew Walker (United Kingdom)

Childhood epileptology
Speaker: Martha Feucht (Austria)

Pharmacotherapy
Speaker: Simon Shorvon (United Kingdom)

Social
13:00 - 18:00 Schubert 1

The European Study on the Burden and Care of Epilepsy (ESBACE)

Chairs:
Chair: Jakob Christensen (Denmark)

Welcome, overview and introduction
Speaker: Jakob Christensen (Denmark)

Prevalence of epilepsy in Europe
Speaker: Christine Linehan (Ireland)

Cost of epilepsy in Europe
Speaker: Poul Jørgen Jennum (Denmark)

Quality of life and stigma in persons with epilepsy
Speaker: Gus Baker (United Kingdom)

Seizure management in hospitals (EuroNASH)
Speaker: Tony Marson (United Kingdom)

Survey of epilepsy care in Europe
Speaker: Kristina Malmgren (Sweden)
**Scientific Programme**

**Group discussions among stakeholders:** What services should be prioritized in order to improve the lives of people with epilepsy? How do we measure and monitor improved life in persons with epilepsy?

**Presentation from the individual group discussions (moderators)**

Speaker: Christine Linehan (Ireland)
Speaker: Philippe Ryvlin (Switzerland)
Speaker: Tony Marson (United Kingdom)
Speaker: Athanasios Covannis (Greece)
Speaker: Torbjörn Tomson (Sweden)
Speaker: Martin Brodie (United Kingdom)
Speaker: Jakob Christensen (Denmark)

**Panel Discussion: The medical perspective**

Speaker: Philippe Ryvlin (Switzerland)

**Panel Discussion: The patient perspective**

Speaker: Athanasios Covannis (Greece)

**Panel Discussion: The patient organisation perspective**

Speaker: Martin Brodie (United Kingdom)

**Panel Discussion: The political perspective**

How can EU/SANTE contribute to improving the life for persons with epilepsy?

**Final remarks**

Speaker: Jakob Christensen (Denmark)

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**Young Epileptologists Forum: Your first epilepsy research project**

**Chairs:**

Chair: Christos Lisgaras (United States)

**Empowering the next generation of epileptology - ILAE Young Epilepsy Section**

Speaker: Christos Lisgaras (United States)

**Developing a novel model of epilepsy; reducing KCC2 in the adult mouse hippocampus**

Speaker: Matt Kelley (United States)

**Sex- and age-specific functions of GABAA receptors through development and in epilepsy**

Speaker: Aristea Galanopoulou (United States)

**Clinical research on epilepsy: challenges for younger investigators**

Speaker: Marina Alvim (Brazil)

**Moving forward with interventions in complex childhood epilepsy**

Speaker: Helen Cross (United Kingdom)
Dravet Syndrome European Federation Symposium: Diagnosis and management of Dravet syndrome – From unmet medical needs to best practices

Chairs:
Chair: Charlotte Dravet (France)
Chair: Renzo Guerrini (Italy)

Introduction and welcome
Speaker: Charlotte Dravet (France)
Speaker: Renzo Guerrini (Italy)
Speaker: Isabella Brambillo (France)

Managing Dravet syndrome in the daily life. The parents perspective
Speaker: Julian Isla (France)

Diagnosis
Speaker: Ingrid Scheffer (Australia)
Speaker: Sameer Zuberi (United Kingdom)

Drug treatment algorithm
Speaker: Helen Cross (United Kingdom)
Speaker: Lieven Lagae (Belgium)

Emergency protocol
Speaker: Rima Nabbout (France)

Vaccination plan recommendation
Speaker: Bernardo dalla Bernardino (Italy)
Speaker: Antonio Gil-Nagel (Spain)

Open discussion