

Saturday, 02. September 2023*Clinical Neurophysiology*

08:00 - 12:00

Wicklow Meeting Room 1

Half-day Teaching Course: Let's read EEGs together!*Chair:* Sándor Beniczky, Denmark

Introduction	08:00 - 08:30
Systematic approach to clinical EEG reading	08:30 - 09:30
<i>Speaker:</i> Sándor Beniczky, Denmark	
Normal variants and artefacts	09:30 - 10:30
<i>Speaker:</i> Fabio Nascimento, USA	
EEG in epilepsy syndromes: the context matters.	10:30 - 11:30
<i>Speaker:</i> Dana Craiu, Romania	
Closing	11:30 - 12:00

Genetics

08:00 - 12:00

Wicklow Meeting Room 2

Half-day Teaching Course: Genetic testing: whom, when and what to test*Chair:* Guido Rubboli, Denmark

Introduction	08:00 - 08:30
Genetics of the epilepsies: state-of-the art in 2023	08:30 - 09:15
<i>Speaker:</i> Renzo Guerrini, Italy	
Epileptic encephalopathies: definition, genetic causes, pathophysiology	09:15 - 10:00
<i>Speaker:</i> Rima Nabhout, France	
To whom we should offer genetic testing in epilepsy ?	10:00 - 10:45
<i>Speaker:</i> Amy McTague, United Kingdom	
Yields of genetic testing in clinical practice – a path toward precision medicine	10:45 - 11:30
<i>Speaker:</i> Guido Rubboli, Denmark	
Closing	11:30 - 12:00

Other

08:00 - 12:00

Wicklow Meeting Room 3

Half-day Teaching Course: Is this epilepsy? If not, what is it?*Chair:* Michael Sperling, USA*Chair:* Elza Márcia Yacubian, Brazil

Introduction	08:00 - 08:05
Differentiation of epileptic seizures from psychogenic seizures - overview, didactic and videos, exclude frontal lobe seizures	08:05 - 08:55
<i>Speaker:</i> Markus Reuber, United Kingdom	

Distinguishing sleep-related hyper motor epilepsy (SHE) from sleep disorders	08:55 - 09:45
<i>Speaker:</i> Francesca Bisulli, Italy	
Differentiation of events in children	09:45 - 10:35
<i>Speaker:</i> Elza Márcia Yacubian, Brazil	
Differentiating epileptic seizures from paroxysmal events other than PNES and video quiz	10:35 - 11:25
<i>Speaker:</i> Michael Sperling, USA	
Closing	11:25 - 11:55

Drug Therapy
08:00 - 12:00

Wicklow Meeting Room 4

Half-day Teaching Course: Which ASM to start with? When to stop?

Chair: Emilio Perucca, Australia

Chair: Sara Eyal, Israel

Introduction	08:00 - 08:30
Choosing the most appropriate ASM in newly diagnosed epilepsy	08:30 - 09:15
<i>Speaker:</i> Martin Brodie, United Kingdom	
Tailoring treatment choices to account for comorbidities and potential drug interactions	09:15 - 10:00
<i>Speaker:</i> Sara Eyal, Israel	
What next when the first treatment fails?	10:00 - 10:45
<i>Speaker:</i> Jakob Christensen, Denmark	
Stopping an ASM in seizure-free individuals – risks versus benefits	10:45 - 11:30
<i>Speaker:</i> Emilio Perucca, Australia	
Closing	11:30 - 12:00

Epilepsy Surgery
08:00 - 12:00

Wicklow Meeting Room 5

Half-day Teaching Course: Epilepsy surgery: learn from cases!

Chair: Ivan Rektor, Czech Republic

Chair: Çiğdem Özkara, Turkey

Introduction	08:00 - 08:30
How to find epileptogenic lesion in non-lesional focal epilepsies?	08:30 - 09:15
<i>Speaker:</i> Ivan Rektor, Czech Republic	
Decisive patients of epilepsy surgery	09:15 - 10:00
<i>Speaker:</i> Çiğdem Özkara, Turkey	
SEEG in MRI positive cases	10:00 - 10:45
<i>Speaker:</i> Philippe Kahane, France	

SEEG in MRI negative patients	10:45 - 11:30
<i>Speaker:</i> Philippe Ryvlin, Switzerland	
Closing	11:30 - 12:00

Status Epilepticus
08:00 - 12:00

Liffey Meeting Room 3

Half-day Teaching Course: Status epilepticus

Chair: Eugen Trinka, Austria

Chair: Simon Shorvon, United Kingdom

Introduction	08:00 - 08:30
Classification, Epidemiology and Causes	08:30 - 09:15
<i>Speaker:</i> Eugen Trinka, Austria	
Diagnosis: EEG and MRI	09:15 - 10:00
<i>Speaker:</i> Giada Giovannini, Italy	
Treatment of Early Status and Established Status	10:00 - 10:45
<i>Speaker:</i> Simon Shorvon, United Kingdom	
Treatment of Refractory and super-refractory SE	10:45 - 11:30
<i>Speaker:</i> Alexandra Astner-Rohracher, Austria	
Closing	11:30 - 12:00

Neuroimaging
08:00 - 17:15

Liffey Meeting Room 2

Full-day Teaching Course: Neuroimaging in epilepsy - what the clinician should know

Introduction to neuroimaging in epilepsy.	08:00 - 08:20
<i>Speaker:</i> Anna Elisabetta Vaudano, Italy	
MRI physics, sequence names, and MRI epilepsy protocol.	08:20 - 08:40
Common epileptic pathologies: temporal epilepsy.	08:40 - 09:10
<i>Speaker:</i> Fernando Cendes, Brazil	
Common epileptic pathologies: extratemporal lobe epilepsy.	09:10 - 09:40
<i>Speaker:</i> John Archer, Australia	
Break	09:40 - 10:00
Hands-on session	10:00 - 11:30
<i>Speaker:</i> Stefan Rampp, Germany	
MRI-negative epilepsy. What are the next steps?	11:30 - 12:00
<i>Speaker:</i> Boris Bernhardt, Germany	
Break	12:00 - 13:30
Other neuroimaging modalities: PET, SPECT, etc.	13:30 - 14:00
<i>Speaker:</i> Lorenzo Caciagli, USA	

fMRI (task-based) & EEG-fMRI	14:00 - 14:40
<i>Speaker:</i> Paolo Federico, Canada	
Break	14:40 - 15:00
Diffusion imaging, presurgical image fusion	15:00 - 15:30
<i>Speaker:</i> Luis Concha, Mexico	
Hands-on session	15:30 - 17:00
<i>Speaker:</i> Stefan Rampp, Germany	
Group discussion/feedback	17:00 - 17:15

Social Issues

08:00 - 12:00

Liffey Meeting Room 4

Patient and Public Involvement in Epilepsy Research*Chair:* Reetta Kälviäinen, Finland*Chair:* Donna Walsh, Ireland

Introduction	08:00 - 08:30
Definitions, role and impact of PPI in current epilepsy research	08:30 - 09:15
<i>Speaker:</i> Gianpiero Cavalleri, Ireland	
PPI for brain research in low- and middle-income countries	09:15 - 10:00
<i>Speaker:</i> Iracema Leroi, Ireland	
PPI solutions for rare and complex epilepsy	10:00 - 10:45
<i>Speaker:</i> Reetta Kälviäinen, Finland	
IBE-INVOLVE project building the knowledge and skills for PPI in epilepsy	10:45 - 11:30
<i>Speaker:</i> Claire Nolan, United Kingdom	
Closing	11:30 - 12:00

Terminology and Classification

08:00 - 12:00

Liffey Meeting Room 1

Half-day Teaching Course: Syndrome Classification*Chair:* Elaine Wirrell, USA*Chair:* Sameer Zuberi, United Kingdom

Introduction to Syndrome Definition and Methodology	08:00 - 08:45
<i>Speaker:</i> Elaine Wirrell, USA	
<i>Speaker:</i> Sameer Zuberi, United Kingdom	
Epilepsy syndromes with onset in the Neonatal Period and Infancy	08:45 - 09:30
<i>Speaker:</i> Sameer Zuberi, United Kingdom	
Epilepsy syndromes with onset in Childhood	09:30 - 10:15
<i>Speaker:</i> Elaine Wirrell, USA	
Epilepsy Syndromes with Onset at a Variable Age	10:15 - 11:00
<i>Speaker:</i> Kate Riney, Australia	

Idiopathic Generalized Epilepsy Syndromes	11:00 - 11:45
<i>Speaker:</i> Edouard Hirsch, France	
Closing	11:45 - 12:00

Basic science
13:00 - 14:30

Liffey B

WONOE highlights session: The extracellular space in epilepsy: pathomechanisms, biomarkers and treatment targets

Chair: David Henshall, Ireland

Chair: Aristeia Galanopoulou, USA

Introduction	13:00 - 13:05
The role of the extracellular matrix in epilepsy	13:05 - 13:20
<i>Speaker:</i> Chris Dulla, USA	
The immunopathogenesis of epilepsy	13:20 - 13:35
Ion and channel function beyond the synapse	13:35 - 13:50
<i>Speaker:</i> Marco de Curtis, Italy	
Emerging mechanisms in epilepsy beyond the synapse –	13:50 - 14:05
Biomarkers and treatment strategies beyond the synapse	14:05 - 14:20
<i>Speaker:</i> Ozlem Akman, Turkey	
Closing	14:20 - 14:30

Clinical Neurophysiology
13:00 - 17:00

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<i>Speaker:</i> Dana Craiu, Romania	
Normal variants and artefacts	15:30 - 16:30
<i>Speaker:</i> Fabio Nascimento, USA	
Closing	16:30 - 17:00

Drug Therapy
13:00 - 17:00

Wicklow Meeting Room 2

Half-day Teaching Course: No response to 1st Antiseizure Medications (ASMs), what next ?

Chair: Torbjörn Tomson, Sweden

Chair: Jacqueline French, USA

Introduction	13:00 - 13:05
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Speaker: Torbjörn Tomson, Sweden

Speaker: Jacqueline French, USA

Resistant or pseudo-resistant: Things to consider before changing ASM

13:05 - 13:45

Speaker: Torbjörn Tomson, Sweden

Failure of first ASM: Is every drug the same?

13:45 - 14:25

Speaker: Jacqueline French, USA

Break

14:25 - 14:55

Debate: Switch or add after first failed ASM?

14:55 - 15:35

ASM failure: which ASM to add and how?

15:35 - 16:15

Speaker: Anthony Marson, United Kingdom

Non-pharmacological alternatives to a 3rd ASM

16:15 - 16:55

Speaker: Kristl Vonck, Belgium

Other

13:00 - 17:00

Wicklow Meeting Room 3

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Chair: Michael Sperling, USA

Chair: Elza Márcia Yacubian, Brazil

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15:45 - 16:30

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Closing

16:30 - 17:00

Epilepsy Surgery

13:00 - 17:00

Wicklow Meeting Room 5

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Chair: Ivan Rektor, Czech Republic

Chair: Çiğdem Özkara, Turkey

Introduction

13:00 - 13:30

How to find epileptogenic lesion in non-lesional focal epilepsies?

13:30 - 14:15

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Closing

16:30 - 17:00

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Liffey Meeting Room 3

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Chair: Simon Shorvon, United Kingdom

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<i>Speaker:</i> Kate Riney, Australia	
Epilepsy syndromes with onset in Childhood	16:00 - 16:45
<i>Speaker:</i> Elaine Wirrell, USA	
Closing	16:45 - 17:00

Comorbidities

13:00 - 14:30

Station A

Gain- and loss-of-function variants in SCN1A-related epilepsies: phenotypic spectrum, therapeutic implications, predictive tools and functional studies guiding the choice of effective antiseizure medications.*Chair:* Massimo Mantegazza, France

Introduction	13:00 - 13:05
Phenotypic spectrum of loss-of-function and gain-of-function SCN1A variants - I	13:05 - 13:25
<i>Speaker:</i> Andreas Brunklaus, United Kingdom	
Phenotypic spectrum of loss-of-function and gain-of-function SCN1A variants - II	13:25 - 13:45
<i>Speaker:</i> Carla Marini, Italy	
Algorithms and web tools for predicting functional effects of genetic variants	13:45 - 14:05
<i>Speaker:</i> Dennis Lal, USA	
Functional studies of SCN1A variants and their possible implementation into clinical workups.	14:05 - 14:25
<i>Speaker:</i> Massimo Mantegazza, France	
Closing	14:25 - 14:30

Epilepsy and Reproductive Health

13:00 - 14:30

Station C

Reproductive risks associated with antiseizure medications*Chair:* Michael Kinney, Ireland

Introduction	13:00 - 13:05
Expert by experience	13:05 - 13:15
<i>Speaker:</i> Sara Burgess, Ireland	
Pregnancy outcomes on long-term health and neurodevelopment	13:15 - 13:35
<i>Speaker:</i> Rebecca Bromley, United Kingdom	
Population-based approaches to determining risk of neurodevelopmental diagnoses with antiseizure medications: in females and males	13:35 - 13:55
<i>Speaker:</i> Marte-Helene Bjork, Norway	
Reproductive risks: perspectives from animal data	13:55 - 14:15
<i>Speaker:</i> Vaishnav Krishnan, USA	
Panel discussion with Q+A from audience	
<i>Speaker:</i> Gerard O'Connor, Ireland	
<i>Speaker:</i> Norman Delanty, Ireland	

Award Symposia

14:30 - 15:30

Liffey B

Award Symposium: Michael Prize

Introduction	14:30 - 14:35
Michael Prize for experimental epilepsy research	14:35 - 14:50
<i>Speaker:</i> Gabriele Lignani, United Kingdom	
Michael Prize for pharmacology and pharmacotherapy	14:50 - 15:05
<i>Speaker:</i> Piero Perucca, Australia	
Michael Prize for psychiatry, psychology and neuropsychology	15:05 - 15:20
<i>Speaker:</i> Daichi Sone, Japan	
Closing	15:20 - 15:30

Industry

15:30 - 17:00

Liffey Hall 1

Satellite Symposium*Industry*

15:30 - 17:00

Liffey Hall 2

Satellite Symposium*Epilepsy Surgery*

17:00 - 18:30

Liffey A

Paediatric epilepsy surgery: rethinking concepts and reimagining possibilities*Chair:* Georgia Ramantani, Switzerland*Chair:* Roberto Caraballo, Argentina

Introduction	17:00 - 17:05
Current international practice in pediatric epilepsy surgery	17:05 - 17:25
<i>Speaker:</i> Sarah Ferrand-Sorbets, France	
Offering paediatric epilepsy surgery before pharmacoresistance	17:25 - 17:45
<i>Speaker:</i> Kees Braun, Netherlands	
Offering palliative resective surgery in paediatrics	17:45 - 18:05
<i>Speaker:</i> Scott Perry, USA	
Redefining paediatric epilepsy surgery outcomes	18:05 - 18:25
<i>Speaker:</i> Mary Lou Smith, Canada	
Closing	18:25 - 18:30

Genetics

17:00 - 18:30

Liffey B

Clinical diagnostic challenges in the genetic epilepsies and opportunities for precision treatment*Chair:* Susan Byrne, Ireland*Chair:* John Dunne, Australia*Chair:* Gianpiero Cavalleri, Ireland

Introduction	17:00 - 17:05
The lived experience of genetic testing for my epilepsy	17:05 - 17:25
<i>Speaker:</i> Colette Daly, Ireland	
<i>Speaker:</i> Victoria Arteaga, USA	
When should the medical professional consider a genetic test for epilepsy, what test(s) should they order, and what are the other considerations?	17:25 - 17:45
<i>Speaker:</i> Ingo Helbig, USA	
Looking under the bonnet of a genetic test for the epilepsies	17:45 - 18:05
<i>Speaker:</i> Katherine Benson, Ireland	
Precision therapies for epilepsy; what's available and how well do they work?	18:05 - 18:25
<i>Speaker:</i> Floor Jansen, Netherlands	
Closing	18:25 - 18:30

Drug Therapy
17:00 - 18:30

Liffey Hall 1

Innovations in the prevention and treatment of epilepsy in tuberous sclerosis complex

Chair: Mark Keezer, Canada

Chair: Philippe Major, Canada

Introduction	17:00 - 17:05
The experience of one mother and her child with TSC and epilepsy	17:05 - 17:15
<i>Speaker:</i> Cathy Evanochko, Canada	
Disease modifying therapies in TSC	17:15 - 17:32
<i>Speaker:</i> Sergiusz Jozwiak, Poland	
Alternative antiseizure medications in TSC	17:32 - 17:49
<i>Speaker:</i> Nicola Specchio, Italy	
Neuroinflammation and epilepsy severity in TSC	17:49 - 18:06
<i>Speaker:</i> Catherine Larochelle, Canada	
Candidate selection for epilepsy surgery in TSC	18:06 - 18:23
<i>Speaker:</i> Simon Harvey, Australia	
Closing	18:23 - 18:30

Epilepsy in Emergencies
17:00 - 18:30

Liffey Hall 2

Climate change and epilepsy: everyone's challenge

Chair: Sanjay Sisodiya, United Kingdom

Chair: David Henshall, Ireland

Introduction	17:00 - 17:05
Climate change and human health: the big picture	17:05 - 17:25

Speaker: Marina Romanello, United Kingdom

Climate change and neuronal networks: resilience?

17:25 - 17:45

Speaker: Eve Marder, USA

Climate change and epilepsy: the lived experience

17:45 - 18:05

Speaker: Galia Wilson, United Kingdom

Speaker: Priyanka Madaan, India

Speaker: Bernadette Macrohon, Philippines

Climate change: the global action agenda

18:05 - 18:25

Speaker: Alla Guekht, Russian Federation

Closing

18:25 - 18:30

Other

17:00 - 18:30

Wicklow Hall 2

How to streamline up-to-date diagnostic processes in epilepsy when suspecting a rare or complex epilepsy: an ERN EpiCARE approach ?

Chair: Alexis Arzimanoglou, France

Chair: Masa Malenica, Croatia

Introduction

17:00 - 17:05

A child with a high risk of a developmental epileptic encephalopathy

17:05 - 17:25

Speaker: Lieven Lagae, Belgium

A potential candidate for surgery

17:25 - 17:45

Speaker: Philippe Ryvlin, Switzerland

Neurophysiology

17:45 - 18:05

Speaker: Sándor Beniczky, Denmark

Neuroimaging

18:05 - 18:25

Speaker: Petr Marusic, Czech Republic

Genetic screening

18:25 - 18:30

Speaker: Rikke Steensbjerre Møller, Denmark

Epilepsy in Resource-restricted Settings

17:00 - 18:30

Station A

How do you start to solve epilepsy in resource limited settings?

Chair: Arjune Sen, United Kingdom

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Speaker: Action Amos, Malawi

Speaker: Mercy Atieno, Kenya

Speaker: Sabina Asiamah, Ghana

Speaker: Mary Bitta, Kenya

Speaker: Emmanuel Darkwa, Ghana

Speaker: Symon Kariuki, Kenya

Speaker: Dorcas Muli, Kenya

Speaker: Vivian Mushi, Tanzania

Speaker: Daniel Mwanga, Kenya

Speaker: Charles Newton, United Kingdom

Speaker: Josemir Sander, United Kingdom

Speaker: Arjune Sen, United Kingdom

Speaker: Gagandeep Singh, India

Speaker: Jo Wilmhurst, South Africa

Genetics

17:00 - 18:30

Station C

Is precision medicine the answer to developmental and epileptic encephalopathies (DEE)

Chair: Rod Scott, USA

Single gene approaches to precision medicine

Speaker: Dennis Lal, USA

Limitations of single gene approaches and discussion of complex systems

Speaker: Rod Scott, USA

Gene therapy in epilepsy

Speaker: Andreas Brunklaus, United Kingdom

Systems genetics approaches to drug development

Other

18:45 - 19:45

Auditorium

Welcome Ceremony

Sunday, 03. September 2023*Neuroimaging*

08:00 - 09:30

Auditorium

VIREPA Basic & Advanced EEG*Chair:* Elena Gardella, Denmark*Chair:* Antonio Valentin, United Kingdom**Virepa Courses: Advanced EEG***Speaker:* Antonio Valentin, United Kingdom*Adult Epileptology*

08:00 - 09:30

Liffey A

Video session – adult*Chair:* Guido Rubboli, Denmark*Chair:* Matthew Walker, United Kingdom*Chair:* Laura Tassi, Italy**Focal Seizures***Speaker:* Laura Tassi, Italy**Generalized Seizures***Speaker:* Guido Rubboli, Denmark**Nocturnal Events***Speaker:* Matthew Walker, United Kingdom*Paediatric Epileptology*

08:00 - 09:30

Liffey B

Epileptic encephalopathies*Chair:* J Helen Cross, United Kingdom*Chair:* Alexis Arzimanoglou, France*Chair:* Federico Vigevano, Italy**Introduction on Developmental and Epileptic Encephalopathy (DEE) related concepts***Speaker:* J Helen Cross, United Kingdom**The challenge of movement disorders and epileptic seizures in Developmental and Epileptic Encephalopathies***Speaker:* Alexis Arzimanoglou, France**Neuropsychiatric comorbidities in Developmental and Epileptic Encephalopathies***Speaker:* Federico Vigevano, Italy*Industry*

08:00 - 09:30

Liffey Hall 2

Satellite Symposium

Other

08:00 - 09:30

Station A

The high burden of Functional Dissociative Seizures: meeting the challenge'*Chair:* Markus Reuber, United Kingdom*Chair:* Coraline Hingray, France**Findings and implications of the high rate of physical morbidity and increased mortality in patients with FDS***Speaker:* Poul Joergen Jennum, Denmark**What is it like to live with FDS? Stigma, self-stigma, quality of life & education.***Speaker:* Gregg Rawlings, United Kingdom**Suicide attempts and suicidal ideation in patients with FDS and epilepsy***Speaker:* Irene Faiman, Italy**Guided audience discussion***Speaker:* W Curt LaFrance, Jr., USA

Other

09:45 - 11:45

Auditorium

Defining meaningful outcomes in the genomic era*Chair:* J Helen Cross, United Kingdom*Chair:* Francesca Sofia, Italy**Introduction**

09:45 - 09:50

What is a meaningful outcome – the lived experience

09:50 - 10:00

Speaker: Amber Freed, USA**Setting the scene – are all outcomes relevant in different clinical settings?**

10:00 - 10:25

Speaker: James Mitchell, United Kingdom**Are all epilepsies the same – different measures for different epilepsies?**

10:25 - 10:50

Speaker: Scott Demarest, USA**Predicting outcome from epilepsy surgery**

10:50 - 11:15

Speaker: Colin Josephson, Canada**Will IGAP help to achieve meaningful outcomes?**

11:15 - 11:40

Speaker: Action Amos, Malawi**Closing**

11:40 - 11:45

ILAE YES

11:30 - 12:30

Forum

ILAE YES Brainstorming Session*Chair:* Pedro F. Viana, United Kingdom**Seizure prediction - methods, devices and future challenges.**

Other

11:30 - 12:30

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ILAE Pharmacy section session**Pharmacist-clinician Collaboration in Epilepsy, Experiences from Israel***Speaker:* Sara Eyal, Israel**Role of the Clinical Pharmacist Practitioner in a Veterans Administration Comprehensive Epilepsy Center***Speaker:* Barry Gidal, USA**Experience from the Pharmacology Team at the National Center for Epilepsy in Norway***Speaker:* Cecilie Johannssen Landmark, Norway**Role of Pharmacist in a Refractory Epilepsy Clinic***Speaker:* Sunita Dergalust, USA

Other

11:30 - 12:30

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ILAE Nursing section - Addressing Challenges in Epilepsy Monitoring Units**Utilization of the Clinical Testing Tool in the EMU***Speaker:* Sumika Ouchida, Australia**IED (interictal epileptiform discharges) and TCA, RN Assessment Tool***Speaker:* Laia Solar Reyes, Spain**The Development of a Dedicated Working Group in ERN EpiCare***Speaker:* Nicola Openshaw-Lawrence, United Kingdom

Basic science

12:00 - 13:30

Auditorium

Neurobiology Commission (NBC) symposium: New frontiers in Blood brain barrier regulation and epilepsy*Chair:* David Henshall, Ireland*Chair:* Matthew Campbell, Ireland**Introduction**

12:00 - 12:05

Blood-brain barrier pathology in epilepsy: from bench to bedside

12:05 - 12:20

Speaker: Alon Friedman, Canada**BBB restoration through induction of claudin-5 prevents seizures**

12:20 - 12:35

Speaker: Matthew Campbell, Ireland**Pre-clinical models and therapeutics regulating the BBB**

12:35 - 12:50

Speaker: Merav Shamir, Israel**BBB receptors and epilepsy**

12:50 - 13:05

Speaker: Chaitali Ghosh, USA

Mechanosensor channel Piezo1 at the neurovascular unit during seizures and immune

13:05 - 13:20

Speaker: Bjoern Baur, USA

Closing

13:20 - 13:30

Epilepsy in Resource-restricted Settings

12:00 - 13:30

Liffey A

Reducing the treatment gap and mitigating economic implications in paediatric epilepsy

Chair: Symon Kariuki, Kenya

Chair: Jo Wilmhurst, South Africa

Introduction

12:00 - 12:05

Treatment gap in pediatric epilepsy: The size, causes and consequences of the problem

12:05 - 12:25

Speaker: Sebastian Ortiz, Colombia

Structured interventions in a busy clinical setting

12:25 - 12:45

Speaker: Symon Kariuki, Kenya

Education and health literacy: Building a training program for people with epilepsy and their families

12:45 - 13:05

Speaker: Mary Secco, Canada

Domesticating the IGAP's 90-80-70 cascade target for the epilepsy treatment gap in low- and middle-income settings

13:05 - 13:25

Speaker: Action Amos, Malawi

Closing

13:25 - 13:30

Psychiatry

12:00 - 13:30

Liffey B

"I'm terrified of my epilepsy": Managing the challenge of anxiety in epilepsy patients

Chair: Milena Gandy, Australia

Chair: Rosa Michaelis, Germany

Chair: Heidi Munger Clary, USA

Introduction

12:00 - 12:05

Patient perspectives: We will hear from both a paediatric and adult patient about their experience of living with epilepsy and anxiety.

12:05 - 12:25

Speaker: Heidi Munger Clary, USA

Speaker: Gaston Baslet, USA

Speaker: Sophie Benett, United Kingdom

Development and maintenance of anxiety in epilepsy: the latest science on neurobiological and psychosocial perspectives

12:25 - 12:45

Speaker: Milena Gandy, Australia

Speaker: Coraline Hingray, France

Best practice and practical tips for the diagnosis and

12:45 - 13:05

management of anxiety across the lifespan.*Speaker:* Gaston Baslet, USA*Speaker:* Sophie Benett, United Kingdom**Panel Discussion: How well we are meeting the challenge of identifying and managing anxiety in epilepsy and further research needed.**

13:05 - 13:25

Speaker: M. Providence Umuziga, Rwanda**Closing**

13:25 - 13:30

Drug Therapy

12:00 - 13:30

Liffey Hall 1

Innovation Gaps in Epilepsy- Shortening Timelines and Improving Access to New Treatments for Epilepsy*Chair:* Archana Patel, USA*Chair:* Ghaieb Aljandeel, Iraq**Introduction**

12:00 - 12:03

Patient Perspective

12:03 - 12:13

Speaker: Anita Mago, Uganda**Gaps from ASM Development to Accessibility Across the Globe**

12:13 - 12:31

Speaker: Timothy Welty, USA**Innovation Landscape in a developing region**

12:31 - 12:49

Speaker: Satish Jain, India**Relevance of epilepsy treatment innovation in resource-constrained regions**

12:49 - 13:07

Speaker: Charles Hammond, Ghana**Efforts of the ILAE access to treatment task force: Initial steps in identifying key aspects of the problems and where to go from here**

13:07 - 13:25

Speaker: Thierry Darcis, United Kingdom**Closing**

13:25 - 13:30

Neuroimaging

12:00 - 13:30

Liffey Hall 2

Imaging, electrophysiology, and genetics: At the interface of epilepsy inheritance risks and lifespan plasticity*Chair:* Boris Bernhardt, Germany*Chair:* Britta Wandschneider, United Kingdom**Introduction**

12:00 - 12:05

Bringing imaging, genetics and other modalities together: some examples

12:05 - 12:20

Speaker: Sanjay Sisodiya, United Kingdom**Imaging-transcriptomic signatures in focal and generalized epilepsies**

12:20 - 12:35

Speaker: Sara Lariviere, USA

Heritability of cognitive and imaging traits in idiopathic generalized epilepsy

12:35 - 12:50

Speaker: Lorenzo Caciagli, USA

Heritability of MEG/EEG phenotypes among patients with generalized epilepsy and their siblings

12:50 - 13:05

Speaker: Christina Stier, Germany

White matter: Genes, epilepsy and cognition

13:05 - 13:20

Speaker: Luis Concha, Mexico

Closing

13:20 - 13:30

Other

13:00 - 15:30

Forum

In-Person Posters

Interictal spikes in animal models of Alzheimer's disease: origin within the dentate gyrus and cholinergic control by medial septum

Poster Presenter: Christos Lisgaras, USA

Cortical hemodynamic response to seizures is impaired in a rodent model of moderate traumatic brain injury

Poster Presenter: Gerben van Hameren, Canada

ECoG epileptiform activity in cortical region distal to lesion site predicts epileptogenesis in a translational model of traumatic-brain-injury (TBI)

Poster Presenter: Rossella Di Sapia, Italy

Excitatory somatostatin interneurons in the dentate gyrus drive a widespread seizure network in cortical dysplasia

Poster Presenter: Yang Zheng, China

Dynamics of microRNA expression in patients with epilepsy and Focal Cortical Dysplasia

Poster Presenter: Shivani Sonawane, Czech Republic

Identifying gene regulatory networks impacted across drug-refractory epilepsies

Poster Presenter: Alessia Romagnolo, Netherlands

Evidence of gut dysbiosis and dysfunction during epileptogenesis in a mouse model of acquired epilepsy: opportunity for new therapeutic strategies

Poster Presenter: Teresa Ravizza, Italy

The functional role of mutated neurons in the FCD-related ictogenesis

Poster Presenter: Michaela Kralikova, Czech Republic

Interictal EEG features for seizure onset zone localization in

neocortical focal epilepsy

Poster Presenter: Kamila Lepkova, Czech Republic

Characterisation of gut microbiome profiles in drug refractory and responsive temporal lobe epilepsy

Poster Presenter: Mohammad Hijaz Adenan, Ireland

40 Hz Sensory entrainment impeded kindling epileptogenesis

Poster Presenter: Jennifer E. Tinston, Australia

Modelling NMDA receptor activity in focal epilepsy: a resting state study of EEG effective connectivity

Poster Presenter: Laura Convertino, United Kingdom

CD40 deficiency reduces neuroinflammation in experimental epilepsy

Poster Presenter: Alberto Musto, USA

Discovery and characterization of BHV-7000: a novel Kv7.2/7.3 activator for the treatment of epilepsy

Poster Presenter: Steven Dworetzky, USA

A comparative study of Customized ictal testing battery (CU-ITB) versus conventional ictal testing battery (co-ITB) during ictal phase in localizing seizures in the epilepsy monitoring unit (EMU)

Poster Presenter: Manjari Tripathi, India

Altered spreading of neuronal avalanches in temporal lobe epilepsy relates to cognitive performance: a resting-state hdEEG study

Poster Presenter: Gian Marco Duma, Italy

Yield of sleep deprivation EEG in suspected epilepsy, a retrospective study

Poster Presenter: Alioth Guerrero-Aranda, Mexico

Delineation of epileptogenic tissue using inter-signal iEEG vector

Poster Presenter: Vojtech Travnický, Czech Republic

Suppression of interictal epileptic activity by rapid eye movement sleep shows spatiotemporal divergence

Poster Presenter: Alyssa Ho, Canada

Seizure forecasting and detection with wearable devices and subcutaneous EEG – Outcomes from the My Seizure Gauge trial

Poster Presenter: Benjamin Brinkmann, USA

Neurophysiological signatures reflect differences in visual attention during absence seizures

Poster Presenter: Johannes van Dijk, Netherlands

Pre-surgical iEEG seizure onset zone localization using deep-learning

Poster Presenter: Petr Nejedly, Czech Republic

Identification of non-convulsive status epilepticus using functional connectivity

Poster Presenter: Dong Ah Lee, South Korea

Importance of early epileptiform discharges for subsequent non-convulsive seizures. How long to monitor with cEEG?

Poster Presenter: Martin Fabricius, Denmark

Composite findings from ten years (2014-2023) of the UK NHS Epilepsy and Intellectual Disability (EpID) NIHR Database Research Register: using non-interventional observational datasets to evaluate the response of people with Intellectual Disability (PwID) to anti-seizure medications and treatments

Poster Presenter: Jon Allard, United Kingdom

Cluster analysis of a large dataset of patients with juvenile myoclonic epilepsy: predicting response to treatment

Poster Presenter: Mohsen Farazdaghi, Iran

Eslicarbazepine acetate monotherapy in post-traumatic epilepsy: a post-hoc analysis from a randomized, double blind, non-inferiority clinical trial (BIA-2093-311)

Poster Presenter: Joana Moreira, Portugal

Inhibiting acid-sensing ion channel exerts neuroprotective effects in experimental epilepsy via suppressing ferroptosis

Poster Presenter: Shi Xiaorui, China

PRAX-628: a next generation functionally selective small molecule with potent anticonvulsant activity

Poster Presenter: Steven Petrou, USA

XEN1101, a novel potassium channel modulator: interim data from an ongoing, long-term, open-label extension of a phase 2b study (X-TOLE) in adults with focal epilepsy

Poster Presenter: Jacqueline French, USA

Quality-of-life improvements in adults with focal onset seizures treated with XEN1101 in an ongoing, long-term, open-label extension of a phase 2b study (X-TOLE)

Poster Presenter: Christian Brandt, Germany

Dimethyl fumarate (DMF) repurposing: the antiepileptogenic and disease-modifying effect of DMF in temporal lobe epilepsy

Poster Presenter: Tawfeeq Shekh-Ahmad, Israel

Safety overview of post-marketing psychiatric disorders reported in patients treated with Eslicarbazepine Acetate

Poster Presenter: Luís Guedes, Portugal

In-silico investigation of anti-seizure drug candidates: criteria for screening and prioritization of candidates in repurposing and novel compound trials

Poster Presenter: Amit David Eyal, Israel

Corticosterone improves early traumatic brain injury outcomes linked to post-traumatic epilepsy

Poster Presenter: Saara Mansoor, Canada

PPAR modulators potential in seizure control and neuronal protection in status epilepticus model in rats compared to antiseizure drugs

Poster Presenter: Sudhir Chandra Sarangi, India

Efficacy and tolerability of everolimus in focal cortical dysplasia type II: a phase 2, randomized, double-blind, placebo-controlled clinical trial

Poster Presenter: Se Hee Kim, South Korea

Compulsive respiratory stereotypies in SYNGAP1 – is Fenfluramine a treatment option?

Poster Presenter: Till Hartlieb, Germany

Antiseizure medication shortages. What is the patients' point of view?

Poster Presenter: Johannes Rösche, Germany

Long-term treatment effects of soticlestat in patients with Dravet syndrome or Lennox–Gastaut syndrome: interim data from the ENDYMION 1 trial

Poster Presenter: Mahnaz Asgharnejad, USA

Building on the European Reference Networks to shape research on rare and complex epilepsies

Poster Presenter: Alexis Arzimanoglou, France

Co-medication management: key to optimize the efficacy and tolerability of Cenobamate

Poster Presenter: Juan Maria Sanchez-Caro, Spain

Evaluation of OV329, a next-generation GABA-AT Inhibitor in a series of pharmacoresistant seizure models through the NINDS Epilepsy Therapy Screening Program

Poster Presenter: Julia Tsai, USA

Towards responsible clinical n-of-1 strategies for rare diseases

Poster Presenter: Victoria M. Defelippe, Netherlands

Activation of KCC2 suppresses benzodiazepine refractory Status Epilepticus and limits the subsequent neuronal injury

Poster Presenter: Patrick Sarmiere, USA

Human Epilepsy Project 2 (HEP2): lifetime and current ASM profile for patients with refractory epilepsy

Poster Presenter: Ojas Potnis, USA

Rescue medication for seizure emergency management in the UK community: a CPRD retrospective database study

Poster Presenter: Cedric Laloyaux, Belgium

A case-control study developing a clinical prediction model for epilepsy-related deaths: the Scottish Epilepsy Deaths Study (SEDS) score

Poster Presenter: Susan E. Duncan, United Kingdom

Cultural aspects of epilepsy management among school children in Egyptian rural communities: a cross-sectional community-based study

Poster Presenter: Ali Mahmoud Ahmed, Egypt

Association of noise, air pollution, and heatwaves with epilepsy-related hospital admissions

Poster Presenter: Anna Gretel Pinzon-Acevedo, Spain

The Norwegian Pediatric Epilepsy Cohort Study – population-based occurrence of seizures, syndromes and etiologies

Poster Presenter: Truls Vikin, Norway

Impact of seizure recurrence on 1-year functional outcome and mortality in patients with poststroke epilepsy

Poster Presenter: Hajime Yoshimura, Japan

Cognitive impairment as a comorbidity of epilepsy in older adults: analysis of global and domain-specific cognitions

Poster Presenter: Zhenxu Xiao, China

The incidence and risk factors associated with seizures in cerebral amyloid angiopathy

Poster Presenter: Brin Freund, USA

Sleep apnea, hypoxia, and late-onset epilepsy: the Atherosclerosis Risk in Communities study

Poster Presenter: Emily Johnson, USA

Prognostic factors of unprovoked seizures in patients with Alzheimer's disease

Poster Presenter: Atiwat Soontornpun, Thailand

Program implementation in a universal healthcare system: SPECT testing for children who are epilepsy surgical candidates in London, Ontario, Canada

Poster Presenter: Michelle Kregel, Canada

Strategies to optimize the surgical outcome of people with drug-resistant epilepsy and malformations of cortical development

Poster Presenter: Bhaskara Rao Malla, India

Ictal Single Photon Emission Computed Tomography (SPECT) in patients with focal aware seizure without ictal electroencephalographic changes: a single center experience

Poster Presenter: Sally V. Mathias, USA

A survey of the reality of epilepsy surgery in Latin-America

Poster Presenter: Manuel Campos, Chile

Subcortical grey matter structures in operated patients due to

intractable temporal lobe epilepsy – a longitudinal volumetric analysis

Poster Presenter: Aleksandar J. Ristic, Serbia

Seizure induction in the intracranial epilepsy population

Poster Presenter: Hina Dave, USA

Coexistent extratemporal MRI lesions in patients with temporal lobe epilepsy and hippocampal sclerosis do not have impact on long-term seizure outcome after epilepsy surgery

Poster Presenter: Valeri Borger, Germany

Mosaic variants detectable in blood extend the clinico-genetic spectrum of *GLI3*-related Hypothalamic Hamartoma

Poster Presenter: Michael S. Hildebrand, Australia

Blockchain and Artificial Intelligence-Enabled Stratified Trial System (BESTS) - A patient driven platform that leverages health data to accelerate clinical trial recruitment for epilepsy precision therapies

Poster Presenter: Laura Brady, Ireland

Seizures in neurodegeneration with brain iron accumulation in a South Indian cohort

Poster Presenter: Divya Kalikavil Puthanveedu, India

Exploring the genetic landscape of diphtheria, tetanus and pertussis vaccination-associated seizures or subsequent epilepsies

Poster Presenter: Sandeep Negi, India

Development of an outcome prediction model for patients with monogenic epilepsy

Poster Presenter: Angela De Dominicis, Italy

Risk-conferring *HLA* variants in an epilepsy cohort: benefits of multifaceted use of whole genome sequencing in clinical practice

Poster Presenter: Angeliki Vakrinou, United Kingdom

Novel genotype-phenotype correlations in *GABRB1*-related disorders

Poster Presenter: Charissa Millevvert, Belgium

Joint analysis of multiple trio genomic datasets for the discovery of novel dominant epilepsy genes

Poster Presenter: Hamidah Ghani, Ireland

Biallelic and monoallelic *ACTL6B* variants lead to a wide spectrum of developmental and/or epileptic encephalopathy with autistic features and movement disorders

Poster Presenter: Elisa Cali, United Kingdom

Gene panel analysis of resected brain tissue in epilepsy surgery patients: a pooled-data analysis of 483 patients

Poster Presenter: Maurits W.C.B. Sanders, Netherlands

Genome-wide analyses reveal shared genetic architecture underlying common epilepsies and cortical morphology

Poster Presenter: Naz Karadag, Norway

Expansion of the set of seizure-associated copy number variants to 25 and their clinical characterization in 562 carriers

Poster Presenter: David Lewis-Smith, United Kingdom

Psychoses of epilepsy (POE): unravelling the phenotypic and genotypic features

Poster Presenter: Genevieve Rayner, Australia

Healthcare providers' stigma towards people with functional seizures

Poster Presenter: Chrisma Pretorius, South Africa

The impact of recreational cannabis on memory function in people with epilepsy

Poster Presenter: Sallie Baxendale, United Kingdom

Vague retellings of personal narratives in temporal lobe epilepsy

Poster Presenter: Fiore D'Aprano, Australia

Exploring dimensions of social competence in children living with epilepsy

Poster Presenter: Elizabeth N. Kerr, Canada

Exposure-dependent effects of fetal Antiseizure Medications on behavior in children of mothers with epilepsy

Poster Presenter: Kimford J. Meador, USA

Mood influences acquisition, but not delayed recall or retention, on word list learning in epilepsy

Poster Presenter: Chris Tailby, Australia

Elucidating the fate of 'doppelgänger' CSWS patterns in childhood epilepsies by serial EEG and neurocognitive analysis

Poster Presenter: Neetha Balaram, India

Risk factors affecting seizures after hematopoietic stem cell transplantation in pediatric patients

Poster Presenter: Ja Un Moon, South Korea

A mixed methods study to develop a core outcome set for refractory childhood epilepsy treated with Ketogenic Diet Therapy (CORE-KDT).

Poster Presenter: Jennifer H. Carroll, United Kingdom

Source-reconstructed power and functional connectivity differences between spike- and spike-free periods in self-limited epilepsy with centrotemporal spikes

Poster Presenter: David Garnica-Agudelo, Germany

Providing quality care for people with *CDKL5* deficiency disorder: an expert panel opinion on the European patient journey

Poster Presenter: Sam Amin, United Kingdom

Hospital-onset seizures among children aged 3 month to 12 year: a prospective cohort study

Poster Presenter: Sameeksha Yadav, India

Neuroimaging and neurophysiological predictors for early onset epilepsy after neonatal stroke

Poster Presenter: Sinikka La Grassa, Finland

PRAX-562 is a well-tolerated, next generation anti-seizure small molecule with broad anticonvulsant activity in multiple DEE mouse models

Poster Presenter: Steven Petrou, USA

Management of epilepsy with eyelid myoclonia: results of an international expert consensus panel

Poster Presenter: Kelsey Smith, USA

Localizing and prognostic value of pre-surgical interictal epileptiform discharges in pediatric patients with ganglioglioma related epilepsy – a pilot study

Poster Presenter: Florian Mayer, Austria

Post-ictal epileptic spasms: an electro-clinical phenomenon associated with structural lesions and treatment-resistant epilepsy

Poster Presenter: Jiten K. Mistry, United Kingdom

Systematic review of the genetics of FCD

Poster Presenter: Maria José Polania Puentes, Colombia

Preventing epilepsy using vigabatrin in infants with tuberous sclerosis complex (PREVeNT Trial)

Poster Presenter: E. Martina Bebin, USA

A human cortical assembloid model of Dravet Syndrome (DS)

Poster Presenter: Clara Zourray, United Kingdom

The aetiologic and genetic landscape of infantile epileptic spasms syndrome

Poster Presenter: Katherine Howell, Australia

Long-term outcomes of children with Infantile Epileptic Spasms syndrome in South Korea

Poster Presenter: Sun Ah Choi, South Korea

The First Global Consensus Guidelines for the diagnosis, care and treatment of SCN8A-related disorder

Poster Presenter: Elaine Wirrell, USA

Study of perceptions, attitudes and knowledge of nurses about epilepsy in Asian community

Poster Presenter: S. Pal, India

A professional women's perspective of working in the epilepsy field

Poster Presenter: Ana Suller Marti, Canada

A review of documented driving discussion during clinical encounters in patients with epilepsy

Poster Presenter: Stephen P. Klaus, Ireland

Employment outcomes after epilepsy surgery

Poster Presenter: Rita Ventura, Portugal

Epilepsy care pathways for patients experiencing homelessness in the Dublin Inner City: a service evaluation post-quality improvement project

Poster Presenter: Elisabeth Doran, Ireland

Epilepsy transition: implementing AAP/AAFP/ACP Got Transition's Six Core Elements of Health Care Transition™ 3.0

Poster Presenter: Syndi Seinfeld, USA

Disparities in health outcomes in Medicaid patients with epilepsy by practice setting: promoting health equity in American academic medical centers

Poster Presenter: Evelyn Gotlieb, USA

Using community-university partnerships to implement WHO's Intersectoral Global Action Plan on epilepsy and other neurological disorders (IGAP) 2022-2031: an example focusing on mental health in epilepsy

Poster Presenter: Mary Secco, Canada

Telemedicine as a path to bridging inequities in patients with Epilepsy

Poster Presenter: Ruta Yardi Andress, USA

Foregone family employment in pediatric epilepsy patients

Poster Presenter: Sandi Lam, USA

Development and validation of epilepsy life skills guidelines for primary school learners and teachers in Limpopo and Mpumalanga Provinces

Poster Presenter: Thendo Gertie Makhado, South Africa

Implementing intersectoral global action plan for epilepsy care in China

Poster Presenter: Shichuo Li, China

Access to justice and realization of the rights of people with epilepsy

Poster Presenter: Kaijus Ervasti, Finland

Fibronectin1-Src kinase axis differentially regulates excitatory synaptic transmission in the hippocampus and ATL in Temporal Lobe Epilepsy

Poster Presenter: Nitin Yadav, India

**Can we move forward with SEEG electrode reprocessing?
Method description, safety assessment, and cost-benefit
analysis**

Poster Presenter: Natesan Damodaran, India

**Correspondence between scalp-EEG and SEEG seizure onset
patterns in patients with MRI-negative focal drug-resistant
epilepsies**

Poster Presenter: Stanislas Lagarde, France

Industry

13:45 - 15:00

Wicklow Hall 2

Satellite Symposium

Adult Epileptology

14:00 - 14:30

Station A

Digital Poster Presentation - Adult Epileptology 1

**Epilepsy related complications during COVID-19 wave in China:
data from a three-center prospective cohort in China**

Poster Presenter: Lu Lu, China

**Challenging diagnosis of familial adult myoclonic epilepsy
presenting as a progressive myoclonic epilepsy**

Poster Presenter: Beatriz Gonzalez Giraldez, Spain

**Autonomic features of temporal lobe seizures in patients with
successful epilepsy surgery**

Poster Presenter: Brenda Giagante, Argentina

**Heart rate variability modifications in adult patients with early
versus late-onset temporal lobe epilepsy: a comparative
observational study**

Poster Presenter: Clarissa Corniello, Italy

Vagus nerve stimulation: a single center experience

Poster Presenter: Ebtehal Alwazna, Saudi Arabia

**Do not rule out Idiopathic Generalized Epilepsy because Déjà
Vu: a systematic review**

Poster Presenter: Lecio Figueira Pinto, Brazil

**Mosaic recurrent *MTOR* pathogenic variant in a patient with
stable sleep related frontal lobe epilepsy despite striking
progression of diffuse cortical and subcortical T2 hyper-
intensity MRI**

Poster Presenter: Patrick W. Carney, Australia

**First year of experience of a newly established first seizure
clinic**

Poster Presenter: Elisa Micalizzi, Italy

A prospective study on stress biomarkers in adult patients with

drug resistant epilepsy on a modified Atkins diet*Poster Presenter:* Ellen Molteberg, Norway**Retrospective analysis of treatment effectiveness newly diagnosed epilepsy with focal seizures in adults***Poster Presenter:* Piotr Czapinski, Poland*Drug Therapy*

14:00 - 14:30

Station B

Digital Poster Presentation - Drug Therapy 1**A single centre retrospective review of pharmaceutical grade cannabidiol (epidyolex) treatment in an adult cohort with complex epilepsy***Poster Presenter:* Kehinde Babatunde, Ireland**Clinical use of fenfluramine in adults with SCN1A-related disorders***Poster Presenter:* Kristin Thygesen, Denmark**Long-term efficacy and safety of cannabidiol in the treatment of drug-resistant epilepsy: a systematic review***Poster Presenter:* Jinmei Li, China**Relationship between antiseizure medication polytherapy and psychiatric comorbidities among people with epilepsy in Kilifi, Kenya***Poster Presenter:* Mercy Odhiambo, Kenya**Treatment of drug-resistant infantile spasms with CER-0001, a ketogenic agent: preliminary results***Poster Presenter:* Marc Cantillon, USA**Utilization of a pharmacokinetic (PK) model for STK-001, an antisense oligonucleotide (ASO), in patients with Dravet syndrome (DS) to predict pharmacologically active doses in clinic***Poster Presenter:* M. Meena, USA**Real-world short term efficacy and safety of cenobamate (CNB) in patients with drug-resistant focal onset seizures: a single centre, retrospective, observational study***Poster Presenter:* Sudath Ravindra, United Kingdom**Perampanel as early treatment for epilepsy and sleep-related seizures***Poster Presenter:* Yun Ho Choi, South Korea*Drug Therapy*

14:00 - 14:30

Station C

Digital Poster Presentation - Drug Therapy 2**Cannabidiol plus everolimus for the treatment of TSC: two cases**

Poster Presenter: Antonella Riva, Italy

Searching for safer and more effective medications in the management of seizure disorders: a 5-HT_{2C} superagonist

Poster Presenter: Randall Kaye, USA

May I, COMPARE?

Poster Presenter: Roberta Roberti, Italy

Use of ketogenic diet in patients with SCN8A-related epilepsy: report on two clinical cases

Poster Presenter: Roberto Previtali, Denmark

Study 603: analysis of effectiveness and safety of perampanel in a multicentre, retrospective study in patients from Korea with focal-onset seizures who converted to monotherapy

Poster Presenter: Sung Chul Lim, South Korea

Efficacy and tolerability of cenobamate in add-on therapy in real clinical praxis. an observatory study from single epilepsy centre

Poster Presenter: Gabriela Timárová, Slovakia

Effect of Fenfluramine on Generalized Tonic-Clonic Seizures in Rare Epilepsy Syndromes: a review of published studies

Poster Presenter: J Helen Cross, United Kingdom

Long-term results with the novel anti-seizure medication, cenobamate, in a single center in Hungary

Poster Presenter: Zsófia Jordán, Hungary

Longterm effect of Cenobamate in a cohort of therapy refractory adult patients with different types of epilepsies

Poster Presenter: Thomas Mayer, Germany

Other

14:30 - 15:30

Forum

ILAE Neurotechnology - Visual analysis: an eye and mind game

Visual analysis: an eye and mind game

Speaker: Ana Carolina Coan, Brazil

Basic science

14:30 - 15:00

Station A

Digital Poster Presentation - Basic science 1

Role of HMGB1/TLR-4 and IL-1 β /IL1R1 in epileptogenicity of tubers in patients with tuberous sclerosis complex-related epilepsy

Poster Presenter: Shuli Liang, China

Investigating the harmaline-induced tremor in genetically epileptic WAG/Rij rats

Poster Presenter: Ozlem Akman, Turkey

Cenobamate aggravates seizures without affecting

depressive?like comorbidity in the WAG/Rij rat model of absence epilepsy

Poster Presenter: Antonio Leo, Italy

Hyperphosphorylated tau protein, autophagy inhibition and somatic mutations in mTOR pathway in Focal Cortical Dysplasia type II (FCDII)

Poster Presenter: Alicja Mrzyglod, United Kingdom

Proteomics analysis of synaptosomes of brain tissue from patients with pharmacoresistant mesial temporal lobe epilepsy

Poster Presenter: Amanda Morato do Canto, Brazil

Voluntary aerobic running activity improves pathologic outcomes in a mouse model of acquired epilepsy

Poster Presenter: Annamaria Vezzani, Italy

Intracerebroventricular or intraparenchymal administration of orexin type-2 receptor agonist on spike-and-wave discharges of genetic absence epilepsy rats

Poster Presenter: Aylin Toplu, Turkey

Analysis of the activity of individual hippocampal neurons during epileptic seizures in patients with drug-resistant epilepsy candidates for surgery

Poster Presenter: Brenda Giagante, Argentina

Gut electrophysiological activity in experimental epilepsy

Poster Presenter: Christophe Bernard, France

Interictal electrographic activity in a model of epilepsy based on focal cortical dysplasia type II

Poster Presenter: Jan Chvojka, Czech Republic

Epidemiology

14:30 - 15:00

Station B

Digital Poster Presentation - Epidemiology 1**Long-term epilepsy outcome in rural China: a 10-year longitudinal study**

Poster Presenter: Yan Ge, China

Management of pediatric status epilepticus in 11 Italian Hospitals: 12-years of real-world clinical practice

Poster Presenter: Anna Rosati, Italy

Association between epilepsy and subsequent years of working life – a Danish population-based cohort study

Poster Presenter: Betina Trabjerg, Denmark

The top ten epilepsy research priorities: a UK priority setting partnership

Poster Presenter: Caoimhe Twohig-Bennett, United Kingdom

A retrospective non-interventional study evaluating the

prevalence of rare diseases associated with epilepsy at three epilepsy centres

Poster Presenter: Christian Brandt, Germany

Translation and validation of an epilepsy-screening questionnaire in two Ghanaian languages

Poster Presenter: Emmanuel Kwame Darkwa, Ghana

Idiopathic generalized epilepsy: sociodemographic characteristics and drug resistance

Poster Presenter: Elsa María del Rosario Hernández Ramos, Guatemala

Identification of drug resistant epilepsy in the Danish National Patient Register

Poster Presenter: Eva Bølling-Ladegaard, Denmark

Characteristics of febrile seizures with SARS-CoV-2 infection in the omicron era

Poster Presenter: Hyein Yeo, South Korea

Epilepsy Surgery
14:30 - 15:00

Station C

Digital Poster Presentation - Epilepsy Surgery 1**Investigation on the progress and current situation of epilepsy surgery in Children's Hospitals in China**

Poster Presenter: Shuli Liang, China

Clinical characters and surgical outcomes of low-grade epilepsy-associated brain tumors: a multiple centers retrospective study

Poster Presenter: Shuli Liang, China

Radiofrequency-thermocoagulation in pediatric epilepsy surgery: a review and pooled analysis

Poster Presenter: Andrea V. Andrade, Canada

Effect of hippocampal sclerosis level on memory score in Mesial Temporal Lobe Epilepsy patients after Anterior Temporal Lobectomy

Poster Presenter: Aris Bintoro, Indonesia

Ictal functional connectivity abnormalities in focal impaired awareness seizures

Poster Presenter: Dario Englot, USA

Surgical treatment of epilepsy with bilateral MRI abnormalities

Poster Presenter: Heung Dong Kim, South Korea

Mapping out the psychosocial adjustment process following epilepsy surgery through synthesis of the qualitative literature

Poster Presenter: Honor Coleman, Australia

Pathological findings in chronic continuous hippocampal DBS (Hip-DBS) for treatment of refractory Temporal Lobe Epilepsy (TLE)

Poster Presenter: Julia Vescovi Vieira, Brazil

Intracranial interictal very high-frequency oscillations in rest and sleep

Poster Presenter: Karin Revajová, Czech Republic

EEG lateralization in predicting seizure outcome following hemispherotomy: a 15-year single centre observational study

Poster Presenter: Rokkam Karishma Reddy, India

Clinical Neurophysiology

15:00 - 15:30

Station A

Digital Poster Presentation - Clinical Neurophysiology 1

Effects of Cenobamate therapy on EEG connectivity, seizures and cognitive performance in people with drug resistant epilepsy

Poster Presenter: Giovanni Assenza, Italy

Blood-brain barrier-associated proteins are not elevated in serum of FIRES patients

Poster Presenter: Yi Ting Cheng, Taiwan

Describing sleep in people with epilepsy based on ultra long-term subcutaneous EEG

Poster Presenter: Jonas Duun-Henriksen, Denmark

Modelling spatio-temporal dynamics of interictal spikes????

Poster Presenter: Jean-Didier Lemaréchal, France

Clinical utility of intraoperative electrocorticography in epilepsy surgery; analysis of fifteen focal epilepsy or encephalopathy surgical cases

Poster Presenter: Irache Maestro Saiz, Spain

Asymmetric sleep in patients with focal epilepsy

Poster Presenter: Laurent Sheybani, Switzerland

Validation of a machine learning algorithm for the prediction of first anti-seizure medication response in focal epilepsy: a multicenter cross-sectional study

Poster Presenter: Lorenzo Ricci, Italy

2021 BASED score assessment of electroclinical remission in Infantile Epileptic Spasms Syndrome

Poster Presenter: Lucia Cibils, Uruguay

Effects of Brivaracetam add-on therapy on EEG power spectrum and connectivity

Poster Presenter: Mario Tombini, Italy

Adult Epileptology

15:00 - 15:30

Station B

Digital Poster Presentation - Adult Epileptology & Terminology and Classification

Relative ictal immobility in focal seizures – a reliable sign of lateralisation?

Poster Presenter: Seán Mooney, Ireland

Anti N-methyl-D-aspartate receptor (NMDAr) encephalitis during pregnancy: a case report and a narrative review of the literature

Poster Presenter: Sibilla De Angelis, Italy

Epilepsy and cognition – a bidirectional relationship

Poster Presenter: Siegwand Elsas, Switzerland

Examining the evolution of virtual epilepsy care in a post-pandemic clinical environment

Poster Presenter: Stephen P. Klaus, Ireland

Antiseizure medication withdrawal risk estimation and recommendations: a survey of American Academy of Neurology and EpiCARE members

Poster Presenter: Samuel W. Terman, USA

Migrating postictal MRI changes masquerading as brain tumor in LGI1 encephalitis with status epilepticus

Poster Presenter: Tania Tayah, United Arab Emirates

Increased serum calponin-3 is a potential biomarker in patients with epilepsy

Poster Presenter: Fei Yang, China

Reflex focal epilepsy provoked by memory retrieval: a StereoEEG case report

Poster Presenter: Ruta Yardi Andress, USA

Genetics

15:00 - 15:30

Station C

Digital Poster Presentation - Genetics**Genetic and phenotypic analysis of PRRT2 positive and negative paroxysmal kinesigenic dyskinesia**

Poster Presenter: Yingying Zhang, China

Coexistence of temporal lobe epilepsy and idiopathic generalized epilepsy

Poster Presenter: Ali Asadi-Pooya, Iran

Neurological phenomenology of the IRF2BPL mutation syndrome

Poster Presenter: Antonella Muroni, Italy

GET' complements Genes4Epilepsy: an application (gene, epilepsy, treatment)

Poster Presenter: Arashk Mallahzadeh, Iran

The photoparoxysmal response belongs to the spectrum of electroencephalographic findings in patients with triple X syndrome and epilepsy

Poster Presenter: Carmen Salluce, Italy

IRF2BPL as a novel causative gene for progressive myoclonus epilepsy

Poster Presenter: Elena Gardella, Denmark

What helps with the unknown: the role of next generation sequencing in infantile spasms syndrome

Poster Presenter: Anastasia Male-Dressler, Austria

Genome-wide association study of epilepsy in the Danish iPSYCH cohort – a study of genetic correlation with previous findings

Poster Presenter: Janne Auning Hansen, Denmark

Uncovering the multi-omic single-nuclei landscape of hippocampal sclerosis type I from patients with mesial temporal lobe epilepsy: clues into mechanism

Poster Presenter: Jaqueline Geraldine, Brazil

Neurodevelopment outcome in Pyridoxine-dependent epilepsy from Sfax-Tunisia

Poster Presenter: Chahnez Charfi Triki, Tunisia

Paediatric Epileptology

15:30 - 16:30

Auditorium

Platform Session: Paediatric Epileptology

Chair: Kette Valente, Brazil

Chair: Sophia Varadkar, United Kingdom

Introduction

15:30 - 15:35

Contralesional epileptiform activity in Rasmussen's Encephalitis is associated with early disease onset, cortical and microstructural alterations in the contralateral hemisphere, cognitive decline, and unfavorable outcome after hemispherotomy

15:35 - 15:45

Speaker: Tobias Bauer, Germany

Quantitative MRI correlates of epilepsy and cognitive deficits in school-age children and young adults with Sturge-Weber syndrome

15:45 - 15:55

Speaker: Csaba Juhasz, USA

The ENVISION study, an international, prospective natural history study in young children with SCN1A+ Dravet syndrome, 18 Month follow-up

15:55 - 16:05

Speaker: Susana Boronat, Spain

Establishing PROMs in medication management of rare genetic epilepsies: What are the best medications in 228 SYNGAP1 patients?

16:05 - 16:15

Speaker: Kirsten Eschermann, Austria

Ketogenic Diet in Infants with Epilepsy (KIWE): a randomised

16:15 - 16:25

controlled trial*Speaker:* Natasha Schoeler, United Kingdom**Closing**

16:25 - 16:30

Basic science

15:30 - 16:30

Liffey A

Platform Session: Basic Science 1*Chair:* Premysl Jiruska, Czech Republic*Chair:* Cristina Ruedell Reschke, Ireland**Introduction**

15:30 - 15:35

Brain extracellular matrix alters local ion concentrations and responses to injury

15:35 - 15:45

Speaker: Kieran Normoyle, USA**Global disruption of RNA (m6A) methylation patterns contribute to the formation and maintenance of hyperexcitable brain networks**

15:45 - 15:55

Speaker: Gary Brennan, Ireland**Transplantation of human stem cell-derived inhibitory neurons suppress recurrent seizures**

15:55 - 16:05

Speaker: Merab Kokaia, Sweden**Circadian timing of limbic seizures in the epileptic mouse**

16:05 - 16:15

Speaker: Kristina Slabeva, Switzerland**Closing**

16:15 - 16:20

Drug Therapy

15:30 - 16:30

Liffey B

Platform Session: Drug Therapy 1*Chair:* Hany El Naggar, Ireland*Chair:* Timothy Welty, USA**Introduction**

15:30 - 15:35

A randomized, double-blind, placebo-controlled, phase 3 study to evaluate the safety and efficacy of XEN1101 as an adjunctive therapy in the treatment of primary generalized tonic-clonic seizures

15:35 - 15:45

Speaker: Elinor Ben-Menachem, Sweden**Faster time to treatment of seizure clusters with Diazepam nasal spray is associated with faster cessation of clusters: a post hoc analysis**

15:45 - 15:55

Speaker: Enrique Carrazana, USA**12-month effectiveness and tolerability of brivaracetam in patients with epilepsy stratified by etiology at baseline in the real-world: subgroup data from the international EXPERIENCE pooled analysis**

15:55 - 16:05

Speaker: Adam Strzelczyk, Germany

Design of two parallel randomized, double-blind, placebo-controlled phase 3 studies to evaluate the safety and efficacy of XEN1101 as adjunctive therapy in the treatment of focal onset epilepsy

16:05 - 16:15

Speaker: Emilio Perucca, Australia

Gabapentin use during pregnancy and adverse neonatal birth outcomes: a population-based cohort study

16:15 - 16:25

Speaker: Alekhya Lavu, Canada

Closing

16:25 - 16:30

Neuroimaging

15:30 - 16:30

Liffey Hall 1

Platform Session: Neuroimaging

Chair: Jean Gotman, Canada

Chair: Pablo Casillas-Espinosa, Australia

Introduction

15:30 - 15:35

Atrophy in subcortical brain structures in newly diagnosed focal epilepsy is associated with alterations in white matter connectivity and neuropsychology

15:35 - 15:45

Speaker: Christophe de Bezenac, United Kingdom

Localization of temporal lobe epilepsy networks from individualized atrophy patterns

15:45 - 15:55

Speaker: Sara Lariviere, USA

Anti-seizure medications may not influence brain morphometry in mesial temporal lobe epilepsy: a prospective MRI study

15:55 - 16:05

Speaker: Ilaria Sammarra, Italy

Structural correlates of drug resistance in juvenile myoclonic epilepsy

16:05 - 16:15

Speaker: Bernardo Crespo Pimentel, Austria

Segmenting focal cortical dysplasias using graph neural networks: a MELD study

16:15 - 16:25

Speaker: Konrad Wagstyl, Germany

Closing

16:25 - 16:30

Genetics

15:30 - 16:30

Liffey Hall 2

Platform Session: Genetics 1

Chair: Piero Perucca, Australia

Chair: Gianpiero Cavalleri, Ireland

Introduction

15:30 - 15:35

The genetic landscape across more than 1000 surgically accessible epileptogenic human brain lesions

15:35 - 15:45

Speaker: Dennis Lal, USA

Pathogenic *GABRA3* variants lead to dominant or recessive X-linked disorders depending on functional outcomes 15:45 - 15:55

Speaker: Katrine M. Johannesen, Denmark

Gain-of-function and loss-of-function *GRIA3* variants lead to distinct neurodevelopmental phenotypes 15:55 - 16:05

Speaker: Allan Bayat, Denmark

Long-term evolution of *SCN8A*-related conditions: focus on transition age 16:05 - 16:15

Speaker: Caterina Ancora, Italy

***HCFC1* variants in the proteolysis domain are associated with X-linked idiopathic focal epilepsy: exploring the underlying mechanism** 16:15 - 16:25

Speaker: Na He, China

Closing 16:25 - 16:30

Other

16:30 - 17:30

Forum

ILAE Neurotechnology - Advanced methods of signal processing in electrophysiology

Advanced methods of signal processing in electrophysiology

Speaker: Christian Bénar, France

ILAE YES

16:30 - 17:30

Forum

ILAE YES Career Development Session

Chair: Eugenia Roza, Romania

Finding work-life balance and preventing burnout

Speaker: Manjari Tripathi, India

Other

16:30 - 17:30

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ILAE Nursing section - Spotlight on Nursing Education

An Epilepsy Clinical Nurse Specialist Development Programme (5 year RN Mentorship Program)

Speaker: Conor Smyth, United Kingdom

Speaker: Phil Tittensor, United Kingdom

The American Association of Neuroscience Nurses Epilepsy Certificate Program: An Assessment-Based Program for the Epilepsy or Seizure Professional

Speaker: Wendy Trueblood Miller, USA

Genetics

17:00 - 18:00

Auditorium

ILAE Fred Andermann Lecture*Chair:* J Helen Cross, United Kingdom*Chair:* Samuel Wiebe, Canada**Introduction**

17:00 - 17:05

Genetics of Epilepsy 2023: from patients to populations

17:05 - 17:55

Speaker: Samuel Berkovic, Australia**Closing**

17:55 - 18:00

Social Issues

17:00 - 18:30

Liffey A

Digital systems help in diagnosis and treatment of epilepsy?*Chair:* Sándor Beniczky, Denmark*Chair:* Stefan Wolking, Germany**Introduction**

17:00 - 17:05

Clinical decision systems will improve daily life

17:05 - 17:25

Speaker: Katia Lin, Brazil**Clinical decision systems are not suitable for daily life**

17:25 - 17:45

Speaker: Jacqueline French, USA**Seizure detection systems are needed**

17:45 - 18:05

Speaker: Stefan Wolking, Germany**Seizure detection systems can produce mainly false positive and negative alarms**

18:05 - 18:25

Speaker: Sándor Beniczky, Denmark**Closing**

18:25 - 18:30

Paediatric Epileptology

17:00 - 18:30

Liffey Hall 2

Neonatal Seizures and Epilepsy - From the past to the future: Why we still have controversies?*Chair:* Nicholas Abend, USA*Chair:* Magda Lahorgue Nunes, Brazil**Introduction**

17:00 - 17:05

New ILAE Classification of Neonatal Seizures

17:05 - 17:20

Speaker: Ronit Pressler, United Kingdom**Neonatal EEG Monitoring Rationale and Approach**

17:20 - 17:35

Speaker: Nicholas Abend, USA**Diagnosing Neonatal Seizures Earlier and More Efficiently**

17:35 - 17:50

Speaker: Geraldine Boylan, Ireland**New Definitions and Guidelines for Neonatal Status Epilepticus**

17:50 - 18:05

Speaker: Magda Lahorgue Nunes, Brazil

New ILAE Neonatal Seizure Treatment Guidelines

18:05 - 18:20

Speaker: Hans Hartman, Germany**Closing**

18:20 - 18:30

Industry

17:00 - 18:30

Wicklow Hall 2

Satellite Symposium*Drug Therapy*

17:00 - 18:30

Station A

Withdrawing antiseizure medications: why, when, how?*Chair:* Marian Galovic, Switzerland**ASM withdrawal in seizure-free patients***Speaker:* Kees Braun, Netherlands**ASM withdrawal after epilepsy surgery***Speaker:* Lara Jehi, USA**Models for ASM withdrawal***Speaker:* Carolina Ferreira Atuesta, USA**Interactive case-based discussion***Speaker:* Samuel Terman, USA*Other*

17:00 - 18:30

Station C

Indigenous Dietary Therapies in Epilepsy: Different cultures - varied perspectives – similar outcomes*Chair:* Sheffali Gulati, India**Indigenous Dietary Therapies in Epilepsy: Different cultures – An experience from South Africa***Speaker:* Jo Wilmhurst, South Africa**Indigenous Dietary Therapies in Epilepsy: Different cultures – An experience from Singapore***Speaker:* Derrick Chan, Singapore*Speaker:* Christine Ong, Singapore**Indigenous Dietary Therapies in Epilepsy: Different cultures - South Korean experience***Speaker:* Heung Dong Kim, South Korea**Indigenous Dietary Therapies in Epilepsy: Different cultures – Indian experience***Speaker:* Sheffali Gulati, India

Monday, 04. September 2023*Basic science*

08:00 - 09:30

Liffey B

The relevance of animals models in epilepsy research and drug discovery*Chair:* David Henshall, Ireland**Introduction**

08:00 - 08:10

Animal models of seizures and acquired epilepsies

08:10 - 08:25

Speaker: Cristina Ruedell Reschke, Ireland**Models of genetically-determined epilepsies**

08:25 - 08:40

Speaker: David Henshall, Ireland**The use of animal models in drug screening**

08:40 - 09:00

Speaker: Pablo Casillas-Espinosa, Australia*Speaker:* Vincenzo Mara, Belgium**Pre-clinical evaluation of gene therapy for drug-refractory epilepsies**

09:00 - 09:20

Speaker: Gabriele Lignani, United Kingdom*Speaker:* Stephanie Baulac, France**Closing**

09:20 - 09:30

Paediatric Epileptology

08:00 - 09:30

Liffey Hall 1

Video session – paediatric*Chair:* Ronit Pressler, United Kingdom*Chair:* Nicola Specchio, Italy*Chair:* Alexis Arzimanoglou, France*Clinical Neurophysiology*

08:00 - 09:30

Liffey Meeting Room 2

Advanced EEG: source imaging – part 1 (Theory)*Chair:* Sándor Beniczky, Denmark**EEG Source Imaging: basic principles and applications**

08:00 - 08:45

Speaker: Sándor Beniczky, Denmark**Analysis methods, pipelines and inverse solutions**

08:45 - 09:30

Speaker: Stefan Rampp, Germany*Industry*

08:00 - 09:30

Wicklow Hall 2

Satellite Symposium*Epilepsy in Older People*

08:00 - 09:30

Station C

Seizure or Senior Moment - The nuances of managing older people with epilepsy.*Chair:* Rebecca O'Dwyer, USA

Differentiating a seizure from other common paroxysmal events in older adults.

Speaker: Michael Smith, USA

The utility of different diagnostic tests and deploying them strategically in older adults.

Speaker: Arjune Sen, United Kingdom

When to treat seizures in older adults and what clinical, etiological and practical variables to consider.

Speaker: Edward Faught, USA

Addressing polypharmacy: managing interactions with antiseizure medications in older adults.

Speaker: Patrick Kwan, Australia

Basic science

09:30 - 11:30

Liffey A

The chronobiology of epilepsy

Chair: Jean Gotman, Canada

Chair: Jaideep Kapur, USA

Introduction	09:30 - 09:35
Risks and triggers to seizures – the patient perspective	09:35 - 09:45
<i>Speaker:</i> Lorraine Lally, Ireland	
Genetic and molecular mechanisms of seizure cycles	09:45 - 10:10
<i>Speaker:</i> Cristina Ruedell Reschke, Ireland	
Multidien rhythms in the central nervous system	10:10 - 10:35
<i>Speaker:</i> Maxime Baud, Switzerland	
Sleep associated epileptic rhythms	10:35 - 11:00
<i>Speaker:</i> Birgit Frauscher, Canada	
Multidien rhythms in the autonomic nervous system	11:00 - 11:25
<i>Speaker:</i> Rachel Stirling, Australia	
Closing	11:25 - 11:30

Psychiatry

09:30 - 11:30

Liffey B

Newly diagnosed epilepsy: identification and intervention of neuropsychological sequelae

Chair: Mary Lou Smith, Canada

Chair: Gus Baker, United Kingdom

Chair: Sallie Baxendale, United Kingdom

Introduction	09:30 - 09:35
Patient-Centred Perspectives.	09:35 - 09:50
<i>Speaker:</i> Angela McCarthy, Canada	
Neuropsychological problems and underlying mechanisms in children with newly diagnosed epilepsy.	09:50 - 10:05

Speaker: Jana Jones, USA

Neuropsychological problems and underlying mechanisms in adults with newly diagnosed epilepsy. 10:05 - 10:20

Speaker: Bruce Hermann, USA

Neuropsychological Interventions in newly diagnosed epilepsy: a review of the available evidence. 10:20 - 10:35

Speaker: Gus Baker, United Kingdom

Management of newly diagnosed epilepsy in both resource-plentiful and resource-limited settings 10:35 - 11:00

Speaker: Sarah Wilson, Australia

Speaker: Aimee Dollman, South Africa

Speaker: Urvashi Shah, India

Neuropsychological interventions: a pragmatic approach. 11:00 - 11:15

Speaker: Shivani Sharma, India

Panel Discussion 11:15 - 11:30

Epilepsy Surgery
09:30 - 13:30

Liffey Hall 2

Epilepsy Surgery Advances, Access, and Adaptability

Chair: Arthur Cukiert, Brazil

Chair: Dario Englot, USA

Introduction 09:30 - 09:35

Novel surgical approaches - Combined Neuromodulation 09:35 - 09:52

Speaker: Arthur Cukiert, Brazil

Novel surgical approaches - Surgical options for generalized epilepsy 09:52 - 10:09

Speaker: Sarah Bick, USA

Novel surgical approaches - New advances in disconnection surgery 10:09 - 10:26

Speaker: Taylor Abel, USA

Discussion 10:26 - 10:31

Epilepsy surgery access and throughout - Epilepsy surgery trends and barriers 10:31 - 10:48

Speaker: Nathalie Jetté, USA

Epilepsy surgery access and throughout - Access to surgery in developing countries 10:48 - 11:05

Speaker: Jorge Burneo, Canada

Epilepsy surgery access and throughout - Building and running a large surgical program 11:05 - 11:22

Speaker: Xiongfei Wang, China

Discussion 11:22 - 11:30

Break	11:30 - 12:00	
Case-based epilepsy surgery - Advanced brain and vagal nerve stimulation approaches	12:00 - 12:17	
<i>Speaker:</i> Paul Boon, Belgium		
Case-based epilepsy surgery - Optimizing an intracranial implant in the modern era	12:17 - 12:34	
<i>Speaker:</i> Sarah Ferrand-Sorbets, France		
Case-based epilepsy surgery - Novel imaging approaches for challenging cases	12:34 - 12:51	
<i>Speaker:</i> Christian Dorfer, Austria		
Case-based epilepsy surgery - Optimizing location and extent of resection in TLE surgery	12:51 - 13:08	
<i>Speaker:</i> Mario Alonso-Vanegas, Mexico		
SEEG Network Analyses to Guide Surgical Decisions	13:08 - 13:25	
<i>Speaker:</i> Dario Englot, USA		
Closing	13:25 - 13:30	
<i>ILAE YES</i>		
11:30 - 12:30		Forum
ILAE YES Brainstorming Session		
<i>Chair:</i> Nfwama Kawatu, Zambia		
Mistakes not to make in getting a therapy from the lab to the clinic		
<i>Speaker:</i> Matthew Walker, United Kingdom		
<i>Other</i>		
11:30 - 12:30		212
ILAE Pharmacy section campfire		
Pharmacist-clinician Collaboration in Epilepsy, Experiences from Israel		
<i>Speaker:</i> Sara Eyal, Israel		
Role of the Clinical Pharmacist Practitioner in a Veterans Administration Comprehensive Epilepsy Center		
<i>Speaker:</i> Barry Gidal, USA		
Experience from the Pharmacology Team at the National Center for Epilepsy in Norway		
<i>Speaker:</i> Cecilie Johannssen Landmark, Norway		
Role of Pharmacist in a Refractory Epilepsy Clinic		
<i>Speaker:</i> Sunita Dergalust, USA		
<i>Other</i>		
11:30 - 12:30		213
ILAE Nursing section - Innovations in Clinical Practice		

Evidence-based Practice - Assessing Use of an Acute Seizure Action Plan in an Outpatient Adult Epilepsy Center in the US

Speaker: Lucretia Long, USA

Innovating Epilepsy Education – The Singapore Experience

Speaker: Martha I-Ming Kao, Singapore

Establishing Competencies for Nurses: ILAE Nursing Section

Speaker: Patricia Osborne Shafer, USA

Comorbidities

12:00 - 13:30

Auditorium

The ILAE syndrome classification as a roadmap for epilepsy-associated comorbidities

Chair: Stéphane Auvin, France

Chair: Michael Sperling, USA

Introduction

12:00 - 12:05

Autism Spectrum Disorder in Developmental and/or Epileptic Encephalopathies: Under or Overrated?

12:05 - 12:25

Speaker: Colin Joseph Reilly, Sweden

Delineating behavioral and cognitive phenotypes in juvenile myoclonic epilepsy: Are we missing the forest for the trees?

12:25 - 12:45

Speaker: Kette Valente, Brazil

Epilepsy syndromes with onset at a variable age: Red Flags for Behavioral and Psychiatry Comorbidities in Focal Epilepsies

12:45 - 13:05

Speaker: Marco Mula, United Kingdom

Using the 2022 ILAE syndrome classification as a roadmap to think about comorbidities screening and diagnosis

13:05 - 13:25

Speaker: Stéphane Auvin, France

Closing

13:25 - 13:30

Basic science

12:00 - 13:30

Liffey A

The multifarious mTOR signaling pathway in the epilepsies

Chair: Steve Danzer, USA

Chair: Eleonora Aronica, Netherlands

Introduction

12:00 - 12:05

Brain somatic mutations in mTOR pathway genes leading to focal cortical dysplasia

12:05 - 12:20

Speaker: Jeong Ho Lee, South Korea

Modelling somatic mosaicism and targeted therapies

12:20 - 12:35

Speaker: Stephanie Baulac, France

Downstream and parallel targets of mTOR signaling for epilepsy treatment

12:35 - 12:50

Speaker: Lena Nguyen, USA

Differential roles of mTORC1 and mTORC2 in epilepsy development	12:50 - 13:05
<i>Speaker:</i> Steve Danzer, USA	
mTOR signalling and neuroinflammation in epilepsy	13:05 - 13:20
<i>Speaker:</i> Eleonora Aronica, Netherlands	
Closing	13:20 - 13:30

Social Issues

12:00 - 13:30

Liffey B

Moving exercise in epilepsy forward – steps towards success*Chair:* Jane Allendorfer, USA*Chair:* Elinor Ben-Menachem, Sweden

Introduction	12:00 - 12:05
Experimental findings for exercise effects in epilepsy	12:05 - 12:20
<i>Speaker:</i> Ricardo Arida, Brazil	
Physical fitness and activity levels in children and adults with epilepsy	12:20 - 12:35
<i>Speaker:</i> Elinor Ben-Menachem, Sweden	
Optimizing exercise effects for people with epilepsy	12:35 - 12:50
<i>Speaker:</i> Halley Alexander, USA	
Relationship between exercise and metabolic syndrome in epilepsy	12:50 - 13:05
<i>Speaker:</i> Sudhindra Vooturi, India	
Improving exercise engagement and trial participation for people with epilepsy – considering social determinants of health	13:05 - 13:20
<i>Speaker:</i> Jane Allendorfer, USA	
Closing	13:20 - 13:30

Drug Therapy

12:00 - 13:30

Liffey Hall 1

Autoimmune epilepsy and immune-mediated epilepsy - two sides of the same coin ?*Chair:* Derrick Chan, Singapore*Chair:* Annamaria Vezzani, Italy

Introduction	12:00 - 12:05
Case presentation	12:05 - 12:10
<i>Speaker:</i> Adeline Ngoh, Singapore	
The innate immune system in epilepsy	12:10 - 12:30
<i>Speaker:</i> Annamaria Vezzani, Italy	
Autoimmune encephalitis, neural antibodies, T cells and seizures – the role of adaptive immunity	12:30 - 12:50
<i>Speaker:</i> Christian Bien, Germany	

The role of the blood-brain barrier in neuroinflammation	12:50 - 13:10
<i>Speaker:</i> Alon Friedman, Canada	
Future research directions in immune dysfunction and inflammation in epilepsy	13:10 - 13:25
<i>Speaker:</i> Derrick Chan, Singapore	
Closing	13:25 - 13:30

Other

12:00 - 13:30

Wicklow Hall 2

Moving Forward: One year on from approval of the Intersectoral Global Action Plan on Epilepsy and Other Neurological Disorders (IGAP)*Chair:* Samuel Wiebe, Canada

Welcome and introductions	12:00 - 12:10
<i>Speaker:</i> J Helen Cross, United Kingdom	
How did we get here?	12:10 - 12:20
<i>Speaker:</i> Alla Guekht, Russian Federation	
The Intersectoral Global Action Plan on Epilepsy and Other Neurological Disorders (IGAP): One year on.	12:20 - 12:30
<i>Speaker:</i> Neerja Chowdhary, Belgium	
Working together to implement the IGAP.	12:30 - 12:40
<i>Speaker:</i> Wolfgang Grisold, Austria	
Ten Targets, Ten Years: Making it happen for epilepsy.	12:40 - 12:50
<i>Speaker:</i> J Helen Cross, United Kingdom	
What does it mean for people with epilepsy?	12:50 - 13:00
<i>Speaker:</i> Francesca Sofia, Italy	
Panel Discussion	13:00 - 13:25
<i>Speaker:</i> J Helen Cross, United Kingdom	
<i>Speaker:</i> Neerja Chowdhary, Belgium	
<i>Speaker:</i> Wolfgang Grisold, Austria	
<i>Speaker:</i> Alla Guekht, Russian Federation	
<i>Speaker:</i> Francesca Sofia, Italy	
<i>Speaker:</i> Paul Boon, Belgium	
<i>Speaker:</i> Gagandeep Singh, India	
<i>Speaker:</i> Charles Hammond, Ghana	
<i>Speaker:</i> Roberto Caraballo, Argentina	
Closing	13:25 - 13:30

Other

13:00 - 15:30

Forum

In-Person Posters

The influence of nocturnal seizure on interictal cardiac and central autonomic alteration in frontal lobe epilepsy: Heart rate variability and central autonomic network analysis

Poster Presenter: Woojun Kim, South Korea

Clinical perspectives on MOG mediated encephalitis and its role in anti-NMDAR encephalitis

Poster Presenter: Xiaoxiao Qin, China

A call for better information about epilepsy: the next of kin perspective – an online survey

Poster Presenter: Frida Rusten, Norway

Ketogenic diet as an underestimate resource for adults' drug resistant epilepsy

Poster Presenter: Francesca Bisulli, Italy

Metrics for evaluation of Seizure-Onset Zone localization

Poster Presenter: Milan Brázdil, Czech Republic

Number of seizure-free days with adjunctive cenobamate: post-hoc analysis of an open-label extension study

Poster Presenter: Christian Brandt, Germany

Mes-CoBraD: an open-source research platform for integrated epilepsy-EEG data collection and analysis

Poster Presenter: Ioannis Stavropoulos, United Kingdom

SUDEP in New Zealand

Poster Presenter: Sunayana Sasikumar, New Zealand

Clinical experience of treating highly refractory epilepsy patients with immunotherapy

Poster Presenter: Elisabeth Doran, Ireland

Differential microRNA methylation (m⁶A) in the brain may contribute to the generation and maintenance of hyperexcitable networks

Poster Presenter: Leticia Villalba Benito, Ireland

Neural network architecture optimization with genetic algorithm for improved classification of intracranial EEG events

Poster Presenter: Kristyna Pijackova, Czech Republic

c-Abl kinase activation in an epilepsy mouse model is associated with neuronal loss and astrogliosis

Poster Presenter: Keryma Acevedo, Chile

Upregulation of calponin-3 aggravates seizure activity

Poster Presenter: Fei Yang, China

Biocompatible probes for neurostimulation: material choice and implantation technique for preclinical application

Poster Presenter: Giulia Curia, Italy

Personalized seizure detection using wearable ECG and machine learning methods

Poster Presenter: Jesper Jeppesen, Denmark

Daily intermittent fasting attenuates absence epilepsy in mice*Poster Presenter:* Coline Rulhe, France**RTA 901 as an antioxidant treatment for modifying epilepsy***Poster Presenter:* Yara Sheeni, Israel**Optimisation of Ago-sequencing to define the functional microRNA landscape during postnatal development***Poster Presenter:* Petra Bencurova, Ireland**Neurogenesis in infection-induced epilepsy***Poster Presenter:* Sonja Bröer, Germany**Patient-derived Leucine-rich Glioma Inactivated 1 (LGI1) protein antibody causes seizures in a passive transfer rodent model***Poster Presenter:* Sukhvir Wright, United Kingdom**Transient seizure clusters and status epilepticus following widespread bilateral hippocampal interneuron ablation***Poster Presenter:* Steve Danzer, USA**GLUT1 and cerebral glucose hypometabolism signatures in human focal cortical dysplasia linked to hypermethylation of key glucose regulatory targets***Poster Presenter:* Chaitali Ghosh, USA**Clock gene BMAL1 contributes to pharmacoresistance through mTOR pathway in Pentylentetrazol kindling model of epilepsy***Poster Presenter:* Xiaosa Chi, China**Parthenolide ameliorates epileptogenesis, depressive-like behaviour and cognitive dysfunction in kainic acid-induced epileptic mice by inhibiting USP7-mediated NLRP3 deubiquitination***Poster Presenter:* Peng Zhang, China**Antiseizure medication exposure in pregnancy - correlation between prescription fill for antiseizure medication and therapeutic drug concentrations in pregnancy***Poster Presenter:* Jakob Christensen, Denmark**MicroRNA-335-5p suppresses voltage-gated sodium channel expression and may be a target for seizure control***Poster Presenter:* Mona Heiland, Ireland**Fenofibrate as adjuvant therapy in persons with active epilepsy: a double-blind, randomized, placebo - controlled study***Poster Presenter:* Mendapara Nipaben H., India**Successful treatment of adult Dravet syndrome patients with cenobamate: encore abstract***Poster Presenter:* Konstantin L. Makridis, Germany**ELEVATE Study 410: assessment of cognition (EpiTrack[®]) following perampanel (monotherapy/first adjunctive) in patients with epilepsy and a history of psychiatric/behavioural events**

Poster Presenter: Leock Y. Ngo, USA

Antiseizure medication safety in pregnant people for non-epilepsy conditions

Poster Presenter: Alekhya Lavu, Canada

Frequency of epilepsy onset after discontinuation of preventive epilepsy treatment in tuberous sclerosis complex (TSC)

Poster Presenter: Sergiusz Jozwiak, Poland

Use of lacosamide for acute symptomatic refractory seizures in neonates

Poster Presenter: Eva Arias Vivas, Spain

Challenges in conducting an academic international European multicentre trial: What we can learn from the RESCUE ESES trial

Poster Presenter: Marleen M. L. van Arnhem, Netherlands

Anti-epileptic and pro-cognitive effects of GAO-3-02 are associated with enhanced GABAergic transmission and anti-inflammatory action

Poster Presenter: Laurent Bezin, France

***In vivo* effects of a novel series of antisense oligonucleotide targeting microRNA-134 in experimental temporal lobe epilepsy**

Poster Presenter: Omar Mamad, Ireland

Design of a double-blind, randomized, placebo-controlled phase 2 trial of darigabat as adjunctive therapy in adults with drug-resistant focal onset seizures (REALIZE)

Poster Presenter: Kathryn Ang, USA

Epilepsy characterization in a group of children with microcephaly and Zika associated birth defects: descriptive analysis of a 5-year follow-up in two Colombian cities

Poster Presenter: Blanca Doris Rodriguez Clavijo, Colombia

Corticosteroids versus clobazam in epileptic encephalopathy with spike wave activation in sleep; results of the RESCUE ESES Trial

Poster Presenter: Floor Jansen, Netherlands

Cerliponase alfa for the treatment of CLN2 disease in a patient cohort including children < 3 years old

Poster Presenter: Nicola Specchio, Italy

Which Psychogenic Non-Epileptic Seizures (PNES) patients are more likely to be treated with anti-seizure medications?

Poster Presenter: Moshe Herskovitz, Israel

Valproate versus lamotrigine, levetiracetam or topiramate for generalised epilepsies: supplementary analyses of the SANAD trials

Poster Presenter: Tony Marson, United Kingdom

Improving access to high-quality EEG for rural and urban patients in the U.S.'s largest governmental healthcare system: the Veterans Healthcare Administration (VHA) National TeleEEG program and Epilepsy Centers of Excellence (ECoEs)

Poster Presenter: David McCarthy, USA

The role of teleneurology in epilepsy care in Sub-Saharan Africa and the WHO Intersectoral Global Action Plan

Poster Presenter: Francesco Pasini, Italy

A comparison of an epilepsy management smartphone application and remotely-reported EEG in newly-presenting epilepsy in the Democratic Republic of Congo

Poster Presenter: Prince Kazadi, Congo (Democratic Republic)

Paroxysmal slow wave events as a diagnostic biomarker for epilepsy: lessons from rural Zambia

Poster Presenter: Andrew Malunga, Zambia

Challenges and solutions for the establishment of an African Antiepileptic Drug Pregnancy Registry. A call to action

Poster Presenter: Francis Fezeu, USA

Epilepsy diagnostic gap in Nairobi informal settlements: findings from the Epilepsy Pathway Innovation Africa (EPInA) study

Poster Presenter: Daniel Mwanga, Kenya

Epilepsy Diagnostic Accuracy By Epilepsy-Trained Community Health Workers Compared to Community Physicians: Results from the BRIDGE Non-Inferiority Cluster Randomized Clinical Trial

Poster Presenter: Aminu Taura Abdullahi, Nigeria

Follow-up of people with epilepsy in the Tibetan area

Poster Presenter: Chenyang Zhao, China

The impact of a newly established specialized pediatric epilepsy center in Tanzania: an observational study

Poster Presenter: Sofia Pia Di Noia, Italy

Intellectual disability is a very common co-morbid condition among children with previously untreated epilepsy in northern Nigeria

Poster Presenter: Edwin Trevathan, USA

Risk of major congenital malformations with exposure to antiseizure medications: an update from the EURAP registry

Poster Presenter: Torbjorn Tomson, Sweden

De novo PNES after surgery in patients with refractory temporal lobe epilepsy (PRTLE): high prevalence and possible influence on outcomes

Poster Presenter: Alla Guekht, Russian Federation

The intrinsic geometry of brain connectivity as a biomarker in epilepsy

Poster Presenter: Martin Guillemaud, France

What is the best SEEG biomarker for predicting surgical outcome?

Poster Presenter: Fabrice Bartolomei, France

Epilepsy surgery for drug-resistant epileptic spasms in children

Poster Presenter: Wafaa Al Shehhi, Oman

Resective versus disconnective and combined hemispherectomy for severe hemispheric intractable epilepsy – a meta-analysis

Poster Presenter: Julia Jacobs, Canada

EEG microstate analysis and source imaging can pinpoint the epileptogenic zone before epilepsy surgery

Poster Presenter: Chiara Colosimo, USA

Metabolic connectivity in drug resistant mesial temporal lobe epilepsy

Poster Presenter: Ondřej Strýček, Czech Republic

Disparities in access to epilepsy surgery care in children with drug-resistant epilepsy: implications for long-term survival outcomes

Poster Presenter: Sandi Lam, USA

Thalamic interictal activity is associated with surgical outcome in focal epilepsies

Poster Presenter: Tommaso Biagioni, Italy

Imaging blood brain barrier dysfunction in drug resistance epilepsy: a multi-center feasibility study

Poster Presenter: Nir Cafri, Israel

Structural MRI biomarkers of drug-responsive temporal lobe epilepsy

Poster Presenter: Fatemeh Fadaie, Canada

Comparing ultra-high field 7T to 3T MRI in a paediatric focal epilepsy cohort

Poster Presenter: Jonathan O'Muircheartaigh, United Kingdom

Does AI help to find lesions in the brain? A quantitative comparison between humans and machines

Poster Presenter: Lennart Walger, Germany

Distinct spatial patterns of gray and white matter compromise associated with the age of seizure onset in temporal lobe epilepsy

Poster Presenter: Alice Ballerini, Italy

Pulvinar restriction diffusion: an MRI Sign suggestive of Status Epilepticus

Poster Presenter: Payam Tabaee Damavandi, Italy

Reduced total number of enlarged perivascular spaces in post-traumatic epilepsy patients with unilateral lesions. Results from a pilot study

Poster Presenter: Gernot Hlauschek, Norway

Automated detection of hippocampal sclerosis from MRI in a multi-centre cohort of patients

Poster Presenter: Konrad Wagstyl, Germany

Decomposing heterogeneity in resting-state fMRI dynamics in newly-diagnosed focal epilepsy

Poster Presenter: Christophe de Bezenac, United Kingdom

Brain networks and epilepsy development in patients with Alzheimer disease

Poster Presenter: Jaeho Kang, South Korea

Maternal folic acid supplementation and risk of attention-deficit/hyperactivity disorder (ADHD) in children prenatally exposed to antiseizure medication. A population-based cohort study of more than 3 million children

Poster Presenter: Silje Alvestad, Norway

Neurodevelopmental outcomes in children and adults with Fetal Valproate Spectrum Disorder

Poster Presenter: Rebecca Bromley, United Kingdom

Association of prenatal valproate exposure with risk of epilepsy in children of affected mothers

Poster Presenter: Julie W. Dreier, Denmark

What should preconception healthcare for women with epilepsy consist of? A multi-stakeholder consensus view from the UK

Poster Presenter: Janine Winterbottom, United Kingdom

Antiseizure medication regimen in planned versus unplanned pregnancies in women with epilepsy

Poster Presenter: Denise Li, USA

Changes in total daily dose of lamotrigine and levetiracetam during pregnancy: reflection on current clinical practice at US tertiary epilepsy centers

Poster Presenter: Charul Avachat, USA

Antiseizure medication use during pregnancy and attention deficit hyperactivity disorder: a population-based cohort study

Poster Presenter: Sherif Eltonsy, Canada

The love hormone and seizure control: a review of oxytocin's impact on epilepsy management

Poster Presenter: Lufuno Makhado, South Africa

Perinatal stroke results in a significant lifetime risk of epilepsy

Poster Presenter: Line C. Sorensen, Denmark

Early age at seizure onset is associated with increased default-mode network connectivity in dysplasia-related focal epilepsy

Poster Presenter: Emma Macdonald-Laurs, Australia

Efficacy of soticlestat treatment by seizure type in patients with Dravet syndrome or Lennox–Gastaut syndrome in a phase 2, randomized, placebo-controlled study (ELEKTRA)

Poster Presenter: Venkatesha Murthy, USA

Comparative efficacy and safety of stiripentol, cannabidiol and fenfluramine as first-line add-on therapies for the treatment of seizures in Dravet syndrome (DS): a network meta-analysis study

Poster Presenter: Delphine Vandame, France

Seizures in neonates: electro clinical findings and prognostic factors

Poster Presenter: Mariana Aberastury, Argentina

HMGB1 and TLR4 as biomarkers for refractoriness of SE in small children

Poster Presenter: Cornelia Calcii, Moldova

Comparison of clinical, electroencephalographic and tomographic data in children with controlled and non-controlled epilepsy

Poster Presenter: Tetyana Litovchenko, Ukraine

PAGE - paediatric autoimmune and genetic testing in epilepsy: a novel paradigm in the rapid diagnosis of treatment-resistant epilepsy

Poster Presenter: Yuchen Cen, Canada

Multi-day seizure cycles are similar in paediatric and adult epilepsy

Poster Presenter: Jodie Naim-Feil, Australia

Genetic etiology in pediatric epilepsies manifesting status epilepticus

Poster Presenter: Carla Marini, Italy

Epilepsy apps: embracing technology to improve patient experience

Poster Presenter: Katheryn Ferin, United Kingdom

Long-term treatment with ganaxolone for seizures associated with CDKL5 deficiency disorder: 2-year open-label extension follow-up

Poster Presenter: Sam Amin, United Kingdom

Prognostic factors for neurocognitive outcome in children with periventricular nodular heterotopias

Poster Presenter: Jana Domínguez-Carral, Spain

Assessing the effectiveness of functional hemispherectomies

conducted in a public children's hospital in Panama

Poster Presenter: Carmen Baez-Ulloa, Panama

Safety and efficacy of intravenous lacosamide for acute seizures/ status epilepticus in critically ill children

Poster Presenter: Man-Ru Hsiao, Taiwan

Identifying safety concerns related to antiseizure medication use in breastfeeding women with epilepsy by reviewing questions to the Norwegian drug information and pharmacovigilance centres

Poster Presenter: Bettina Riedel, Norway

Epilepsy care in a virtual world patients lived experience of virtual care during the COVID-19 pandemic

Poster Presenter: Malisa Pierri, United Kingdom

EpilepsyPOWER: preliminary results of a multicenter European project

Poster Presenter: Flavia Narducci, Italy

Neurocognitive and psychosocial issues in adults with newly diagnosed epilepsy - a systematic review

Poster Presenter: Cory Hooper, United Kingdom

Adapting PACES in epilepsy: multi-phase process with Spanish-speaking adults with epilepsy

Poster Presenter: Erica Johnson, USA

Epidemiology of epilepsy in Colombia: prevalence, distribution and association with stroke, trauma, and dementia

Poster Presenter: Camila Pantoja-Ruiz, Colombia

Job security of people with epilepsy

Poster Presenter: Seo-Young Lee, South Korea

Reducing risk and enhancing care by developing an Irish consultation guide for People with Epilepsy (PWE) and Family Physicians (GPs)

Poster Presenter: W Henry Smithson, Ireland

Supporting families affected by childhood epilepsy beyond the clinic walls

Poster Presenter: Colleen Wilson, United Kingdom

Participatory policy making by World Health Organisation (WHO): case study - inclusion of persons with epilepsy in the intersectoral global action plan on epilepsy and neurological disorder (IGAP) development

Poster Presenter: Action Amos, Malawi

Transitioning from paediatric to adult care in epilepsy: lived experiences

Poster Presenter: Rianne JM Goselink, Sweden

Super-refractory status epilepticus: a systematic review and

meta-analysis of outcomes and treatment approaches

Poster Presenter: Camilla D. Cornwall, Denmark

Cerebral glucose metabolism in possible non-convulsive status epilepticus with lateralized periodic discharges

Poster Presenter: Annelies Geebels, Belgium

STEPPER (Status Epilepticus in Emilia Romagna): therapeutic interventions and quality of care in Emilia-Romagna Region, Italy

Poster Presenter: Lidia Di Vito, Italy

Developing the methodological foundation for NORSE surveillance

Poster Presenter: Leah J. Blank, USA

Predictors and outcome of nonconvulsive status epilepticus in patients after cardiac surgery

Poster Presenter: Ekaterina Patarai, Austria

Pharmacokinetic, pharmacodynamic, and safety study of intravenous ganaxolone in healthy adult volunteers

Poster Presenter: Joseph Hulihan, USA

Effect of trans 4-butylcyclohexane carboxylic acid (4-BCCA) upon epileptogenesis and neurodegenerative changes following status epilepticus

Poster Presenter: Deeksha Sharma, India

Efficacy of the staged treatment approach in Status epilepticus - an observational study SENSE

Poster Presenter: Isabelle Beuchat, Switzerland

Longitudinal serum neurofilament light kinetics in post-anoxic encephalopathy

Poster Presenter: Chiara Prosperetti, Switzerland

Benzodiazepine-resistant status epilepticus among children in northern Nigeria

Poster Presenter: Umar Abba Sabo, Nigeria

Genome-wide meta-analysis of over 29,000 people with epilepsy reveals 26 loci and subtype-specific genetic architecture

Poster Presenter: Remi Stevelink, Netherlands

Distribution of postictal slowing has an additional yield to interictal epileptiform discharge in predicting surgical outcomes in temporal lobe epilepsy

Poster Presenter: Sally Shaaban, Egypt

Industry

13:45 - 15:00

Satellite Symposium

Wicklow Hall 2

Neuroimaging

14:00 - 14:30

Station A

Digital Poster Presentation - Neuroimaging 1**Altered cerebellar volumes and intrinsic cerebellar network in juvenile myoclonic epilepsy***Poster Presenter:* Jaeho Kang, South Korea**Open access processing and analysis tools for personalized lesion mapping in focal epilepsy***Poster Presenter:* Jessica Royer, Canada**Seeking the invisible – volumetric analysis in non-lesional epilepsy***Poster Presenter:* Jessica Fitzpatrick, Ireland**Progressive Myoclonus Epilepsy and the cerebello-thalamic system: an MRI white matter tract study***Poster Presenter:* Jillian Cameron, Australia**Distinctive brain connectivity patterns in temporal lobe epilepsy and hippocampal sclerosis: implications for cognitive function***Poster Presenter:* Juan Pablo Princich, Argentina**Does 7 Tesla epilepsy imaging improve diagnostic findings in daily practice?***Poster Presenter:* Karl Rössler, Austria**Multi-tensor diffusion abnormalities of gray matter in an animal model of cortical dysplasia***Poster Presenter:* Luis Concha, Mexico**Different cerebellar gradient alterations in temporal lobe epilepsy with and without dystonic posturing***Poster Presenter:* Wei Li, China**Machine learning shows pattern differences during face and word encoding in temporal lobe epilepsy***Poster Presenter:* Meneka Sidhu, United Kingdom**Functional connectivity based on fluorodeoxyglucose positron emission tomography in temporal lobe epilepsy***Poster Presenter:* Soo Ryun Park, South Korea**Evaluation and localization of verbal memory in temporal epileptic patients using a fMRI memory mapping paradigm***Poster Presenter:* Guillermo Hernandez, Spain

Other

14:00 - 14:30

Station B

Digital Poster Presentation - Mixed 1**Does epilepsy contribute to the clinical phenotype of C9orf72 mutation in Fronto-temporal Dementia?***Poster Presenter:* Antonella Muroni, Italy

New onset seizures in elderly: a conundrum yet unresolved*Poster Presenter:* Ashalatha Radhakrishnan, India**Efficacy and safety of temporal lobectomy for epilepsy in patients over the age of 50 in a tertiary referral center***Poster Presenter:* Alex Gunko, Ireland**Elderly-onset epilepsy: clinical characterization of a special population***Poster Presenter:* Marta Marin Gracia, Spain**Pathways to care in epilepsy: a qualitative study in the Shai Osudoku and Ningo Prampram Districts in Ghana***Poster Presenter:* Sabina Asiamah, Ghana**The physician's role in reducing health disparities for persons with epilepsy and intellectual disability: "it's not just epilepsy...you really have to take a deeper dive."***Poster Presenter:* Emma Casey, Ireland**Psychogenic non-epileptic seizures in patients with idiopathic generalised epilepsy: a single-centre video-electroencephalography retrospective study***Poster Presenter:* Javier Pena Ceballos, Ireland**Cenobamate in real-life setting: final outcomes of an expanded access program***Poster Presenter:* Vicente Villanueva, Spain**Pulse intravenous methylprednisolone in epileptic encephalopathy: an extended follow up***Poster Presenter:* L. G. Viswanathan, India**Cenobamate as early adjunctive treatment in refractory focal-onset seizures: a cohort study***Poster Presenter:* Yaroslav Winter, Germany*Drug Therapy*
14:00 - 14:30

Station C

Digital Poster Presentation - Drug Therapy 3**Significant improvements in SEizure InterVAL (time between seizure clusters) across time: post hoc analysis of a long-term, open-label safety study of diazepam nasal spray***Poster Presenter:* Enrique Carrazana, USA**One-year safety, efficacy, and retention of Cannabidiol (CBD) as add-on therapy in patients with refractory epilepsy***Poster Presenter:* Elena Kkolou, Cyprus**Long-term safety and efficacy of add-on cannabidiol for tuberous sclerosis complex-associated seizures: 3-year results from an open-label extension trial***Poster Presenter:* Farhad Sahebkar, USA

Real-world use of cenobamate (CNB). A multicenter Italian experience*Poster Presenter:* Federica Ranzato, Italy**Cannabidiol as add-on treatment in drug resistant epilepsy: real-life experience in a tertiary centre***Poster Presenter:* Lorenzo Muccioli, Italy**A Mirroring clinical practice study of Perampanel in Adults and adolescents (AMPA): assessment of impact of perampanel on seizure control, sleep and quality of life***Poster Presenter:* Giovanni Assenza, Italy**The placental kinetics of cannabidiol: an ex vivo perfusion study***Poster Presenter:* Erez Berman, Israel**Modulation of excitation/inhibition balance at epileptic focus in human: analyzes of induced activities by single-pulse electrical stimulation on the focus and seizure propagation zone***Poster Presenter:* Shunsuke Kajikawa, Japan**Emergency department (ED) visits and hospitalizations following neurostimulation for drug-resistant epilepsy (DRE)***Poster Presenter:* Vanessa Danielson, United Kingdom*Award Symposia*

14:30 - 15:30

Liffey B

Award Symposium: Epilepsia Prizes - Clinical & Basic Science*Chair:* Michael Sperling, USA**Introduction**

14:30 - 14:40

Clinical and EEG factors associated with antiseizure medication resistance in idiopathic generalized epilepsy

14:40 - 15:00

Speaker: Brad Kamitaki, USA**Hippocampal position and orientation as prognostic biomarkers for posttraumatic epileptogenesis: An experimental study in a rat lateral fluid percussion model**

15:00 - 15:20

Speaker: Riccardo De Feo, Finland**Closing**

15:20 - 15:30

Other

14:30 - 15:30

Forum

ILAE Neurotechnology - Overview of EEG / MEG source imaging methods: from dipole modeling to advanced imaging**Overview of EEG / MEG source imaging methods: from dipole modeling to advanced imaging***Speaker:* Christophe Grova, Canada

Paediatric Epileptology
14:30 - 15:00

Station A

Digital Poster Presentation Paediatric Epileptology 1

Healthcare resource utilisation in Lennox-Gastaut syndrome: interim results from a European real-world point-in-time study

Poster Presenter: Alexis Arzimanoglou, France

New aspects of clinical features and therapy in Sunflower syndrome – a systematic review

Poster Presenter: Antonia Katharina Ursula Daub, United Kingdom

Cognitive debrief of the clinical global impression of improvement for nonseizure symptoms measure in Dravet syndrome and Lennox–Gastaut syndrome: the caregiver's perspective

Poster Presenter: Drishti Shah, USA

Myoclonic status epilepticus is associated with unfavorable outcomes after pediatric cardiac arrest

Poster Presenter: Ashley M. Bach, USA

Epilepsy is a prominent symptom in Rett syndrome

Poster Presenter: Chew Thye Choong, Singapore

Use of complementary and alternative medicine in the management of pediatric epilepsy at Geneva University Hospitals

Poster Presenter: Christian Korff, Switzerland

A rare case of Houge type, X- linked CNKSR2 deletion resulting in developmental disorder and epilepsy

Poster Presenter: Danilo Nonkulovski, North Macedonia

Feasibility, tolerability and efficacy of the ketogenic diet in children with drug-resistant epilepsy in South Vietnam

Poster Presenter: Thuy-Minh-Thu Nguyen, Vietnam

Oxidative stress, metalloproteinase and inflammatory cytokines in children after seizures

Poster Presenter: Vinod Mehta, India

Serum interleukin-1? and tumor necrosis factor- ? levels in children with febrile seizures

Poster Presenter: Elena Capestru, Moldova

Adult Epileptology
14:30 - 15:00

Station B

Digital Poster Presentation - Adult Epileptology 2

Tau neuropathology identified following surgery to control seizures in patients with Drug Resistant Epilepsy (DRE)

Poster Presenter: Emma Dolan, Ireland

Predictors of postoperative epilepsy/seizures in patients readmitted after meningioma resection

Poster Presenter: Firas Bannout, USA

Antihypertensive drugs in stroke patients: a new approach for treating post-stroke epilepsy

Poster Presenter: Giacomo Evangelista, Italy

Seizure response to cenobamate therapy correlates with plasmatic concentration, not daily dosage

Poster Presenter: Giovanni Assenza, Italy

Safety and efficacy of fenfluramine in adult patients with Dravet syndrome enrolled de novo in an open-label extension study

Poster Presenter: Ingrid Scheffer, Australia

Using seizure cycle forecasts to identify optimal monitoring timeframes and improve the diagnostic yield of vEEG

Poster Presenter: Jodie Naim-Feil, Australia

Clinical phenotype similarities and differences with déjà vu and jamais vu focal aware seizures

Poster Presenter: Julian Larkin, Ireland

EpiCare@Home: Remote wearable seizure monitoring for people with epilepsy can improve delivery of care

Poster Presenter: Julie Nys, Belgium

How does a three-month ketogenic diet affect the hormonal profile? A pilot study in adults with pharmaco-resistant epilepsy

Poster Presenter: Katia Lin, Brazil

Epilepsy and employment: classification of workplaces and optimized legislation in Austria – a qualitative study

Poster Presenter: Markus Leitinger, Austria

Epidemiology

14:30 - 15:00

Station C

Digital Poster Presentation - Epidemiology 2

Improving epilepsy care in Ontario, Canada: the impact of the Provincial Strategy for Epilepsy Care

Poster Presenter: Jorge Burneo, Canada

Social status and health care utilisation before the diagnosis of Idiopathic Generalized Epilepsies

Poster Presenter: Joanna Gesche, Denmark

Effects of the new definition of epilepsy (ILAE 2014) - a prospective study

Poster Presenter: Lena Habermehl, Germany

Evaluation of doctors' knowledge and attitudes in the field of breath-holding spells

Poster Presenter: Mohammad Ali Saeed Hassan Ali, Egypt

Meningioma oedema and seizures – a systematic review and

meta-analysis

Poster Presenter: Matthew Tanti, United Kingdom

Is revascularization in ischemic stroke associated with risk of post-stroke epilepsy?

Poster Presenter: Mads Ebbesen, Denmark

Patterns of antiseizure medications prescriptions among pregnant people with epilepsy: a utilization study in four Canadian provinces

Poster Presenter: Sherif Eltonsy, Canada

Dissemination and implementation of guidelines for diagnosis and treatment of rare and complex epilepsies: A survey among partners of EpiCARE - a European Reference Network for rare and complex epilepsies

Poster Presenter: Teia Kobulashvili, Austria

Epileptic encephalopathies: collection of electroclinical aspects, findings in neuroimaging and etiological diagnosis in a cohort of patients seen in our refractory epilepsy unit

Poster Presenter: Alvaro Juiz Fernandez, Spain

Tuberous Sclerosis Complex (TSC) in the Republic of Ireland. Making the invisible visible

Poster Presenter: Mary Vasseghi, Ireland

Status Epilepticus

15:00 - 15:30

Station A

Digital Poster Presentation - Status Epilepticus**Prediction model for outcome of patients with super refractory status epilepticus: a multicentre study**

Poster Presenter: Jithu Jose, India

Treatment of established New-Onset Status Epilepticus (E-NOSE): a real-word multicenter experience

Poster Presenter: Fedele Dono, Italy

A multimodal approach to predict short term outcome after status epilepticus: the ADiReN score

Poster Presenter: Giada Giovannini, Italy

Focal nonconvulsive status epilepticus with impaired consciousness: clinical-EEG data of older adults with and without a previous history of epilepsy

Poster Presenter: Gloria Maria Tedrus, Brazil

Hypocretin-1/Orexin-A and excessive daytime sleepiness in patients with nonconvulsive status epilepticus

Poster Presenter: Jana Slonkova, Czech Republic

Peri-ictal abnormalities in native and contrast enhanced perfusion: a prospective MRI study on patients with status epilepticus

Poster Presenter: Lukas Machegger, Austria

Factors associated with the use of anesthetic drug infusion in patients with status epilepticus and their relation to outcome: a prospective study

Poster Presenter: Nirmeen Kishk, Egypt

External validation of STESS and EMSE as outcome prediction scores in an Egyptian cohort with status epilepticus

Poster Presenter: Nirmeen Kishk, Egypt

Peri-ictal MRI abnormalities in status epilepticus: when do they occur?

Poster Presenter: Pilar Bosque Varela, Austria

Systematic review about the Diisopropylfluorophosphate mouse, rat and *in vitro* models with cholinergic induced-seizure

Poster Presenter: Sarah Rozès Poblet, France

Basic science
15:00 - 15:30

Station B

Digital Poster Presentation - Basic science 2

Functional connectivity and plasticity changes in focal epileptogenic zones

Poster Presenter: Debora Ledergerber, Switzerland

CD8+ T lymphocyte-driven attack on hippocampal interneurons leads to the development of inflammation-associated temporal lobe epilepsy

Poster Presenter: Daniel Galvis Montes, Germany

Characterization of Vagus Nerve Electroneurogram (VENG) during acute kainic acid induced seizures

Poster Presenter: Elena Acedo Reina, Belgium

Temporal and spatial correlates of paroxysmal slow wave events in the epileptic brain

Poster Presenter: Florent J. M. Boyer-Aymé, Israel

The differences in noradrenaline levels in Wistar and Genetic Absence Epilepsy Rats

Poster Presenter: Filiz Onat, Turkey

Cortical spreading depolarization causes mitochondrial and vascular dysfunction and is linked with post-traumatic epilepsy

Poster Presenter: Gerben van Hameren, Canada

Combining TSPO PET and Magnetic Resonance Spectroscopy to measure neuroinflammation in a rat model of traumatic brain injury

Poster Presenter: Idrish Ali, Australia

Impact of zonisamide, tiagabine and pregabalin in an astrocyte-microglia co-culture model of inflammation

Poster Presenter: Fatme Seval Ismail, Germany

An effect of Sulforaphane on neurovascular regulation and energy metabolism during seizures in rats

Poster Presenter: Jakub Otáhal, Czech Republic

Pharmacochaperones restored GABA uptake from extracellular space and brain GABA homeostasis in epilepsy mice *SLc6a1*^{+/S295L} and *SLc6a1*^{+/A288V}

Poster Presenter: Jing-Qiong Kang, USA

Epilepsy Surgery

15:00 - 15:30

Station C

Digital Poster Presentation - Epilepsy Surgery 2

Towards better definition of a resection strategy in pediatric LEATs causing refractory epilepsy

Poster Presenter: Karl Rössler, Austria

Advantages of laser induced thermal therapy (LITT) in children suffering from refractory epilepsy using a 3T intraoperative MRI suite

Poster Presenter: Karl Roessler, Austria

Semi-automated electric source imaging determines epileptogenicity of encephaloceles in temporal lobe epilepsy

Poster Presenter: Marcel Heers, Germany

Management of anti-seizure medication in patients with drug-resistant focal epilepsy secondary to focal cortical dysplasia undergoing epilepsy surgery

Poster Presenter: Maria del Carmen Garcia, Argentina

Epilepsy Surgery Program in Latin-America, 20 years of experience: challenge and progress

Poster Presenter: Maria Cabrera Molnar, Uruguay

Is postoperative EEG a prognostic factor for seizure control in patients undergoing functional hemispherectomy?

Poster Presenter: Manuel Campos, Chile

An interim analysis of real-world data on the use of Vagus Nerve Stimulation Therapy for the treatment of drug-resistant epilepsy in England

Poster Presenter: Michael Carter, United Kingdom

Auras in mesial temporal lobe epilepsy: correlation with postsurgical outcome

Poster Presenter: Nikola Vojvodic, Serbia

Estimating the seizure onset zone in stereoelectroencephalography based on interictal markers and stimulated seizures

Poster Presenter: Päivi Nevalainen, Finland

Genomic analysis revealed common origins of dysembryoplastic neuroepithelial tumors and their satellite lesions

Poster Presenter: Ji Hoon Phi, South Korea

Adult Epileptology

15:30 - 16:30

Auditorium

Platform Session: Adult Epileptology

Chair: Colin Doherty, Ireland

Chair: Nirmeen Kishk, Egypt

Introduction

15:30 - 15:35

Resilience and epilepsy: impact on psychosocial factors and stigma

15:35 - 15:45

Speaker: Mario Tombini, Italy

An internationally derived core outcome set for adult epilepsy treatment trials: the EPSET project

15:45 - 15:55

Speaker: James Mitchell, United Kingdom

Impact of fenfluramine on drop seizure frequency in adults or dose-capped patients with Lennox-Gastaut syndrome: comparative analysis of clinical trial data

15:55 - 16:05

Speaker: Ingrid Scheffer, Australia

Predictors of long-term epilepsy in acute subarachnoid hemorrhage: clinical features, neuroimaging and EEG factors

16:05 - 16:15

Speaker: Daniel Campos-Fernández, Spain

Risk of new-onset stroke in older people with epilepsy without prior history of stroke: a study of the Canadian Longitudinal Study of Aging (CLSA)

16:15 - 16:25

Speaker: Jimmy Li, Canada

Closing

16:25 - 16:30

Social Issues

15:30 - 16:30

Liffey A

Platform Session: Social Issues/Nursing

Chair: Patricia Osborne Shafer, USA

Chair: Peter Murphy, Ireland

Introduction

15:30 - 15:35

Adapting a self-management program for adolescents with epilepsy

15:35 - 15:45

Speaker: Erica Johnson, USA

Pre-surgical preparation and post-surgery recovery: suggestions for patient-provider partnerships

15:45 - 15:55

Speaker: Ben McVicker, Canada

Dance, equine-assisted therapy and social participation of people with epilepsy

15:55 - 16:05

Speaker: Lavinia Teixeira-Machado, Brazil

Improving Acute Seizure Management through an Interprofessional Education Program

16:05 - 16:15

Speaker: Kiran Kanth, USA

Single centre evaluation of a consultant nurse led, 'One-Stop', First Seizure Clinic (FSC)

16:15 - 16:25

Speaker: Phil Tittensor, United Kingdom

Closing

16:25 - 16:30

Drug Therapy
15:30 - 16:30

Liffey Hall 1

Platform Session: Drug Therapy 2

Chair: Emilio Perucca, Australia

Chair: Peter Widdess Walsh, Ireland

Introduction

15:30 - 15:35

Perampanel for treatment of focal and generalised epilepsy in everyday clinical practice: evidence from PERMIT 2

15:35 - 15:45

Speaker: Eugen Trinka, Austria

What do 90-99% responder rates mean in patients treated with cenobamate: results from the open label extension (OLE) of study C017

15:45 - 15:55

Speaker: Manuel Toledo, Spain

Efficacy and safety of vitamin D supplementation on seizure control in drug resistant epilepsy and its correlation with vitamin D receptor expression: a randomize controlled trial

15:55 - 16:05

Speaker: Soumya Sucharita Pattnaik, India

Anticonvulsant effects of the natural products magnolol and amorfrutin-2 in the *Scn1a*^{+/-} mouse model of Dravet syndrome

16:05 - 16:15

Speaker: Ka Lai Yip, Australia

Poor seizure outcome in patients with genetic generalized epilepsies undergoing a switch from valproate to other antiseizure medications

16:15 - 16:25

Speaker: Laura Maria Guilhoto, Brazil

Closing

16:25 - 16:30

Clinical Neurophysiology
15:30 - 16:30

Liffey Hall 2

Platform Session: Clinical Neurophysiology

Chair: Ronan Kilbride, Ireland

Introduction

15:30 - 15:35

Generalized spike-waves in idiopathic generalized epilepsies: does their frequency matter?

15:35 - 15:45

Speaker: Mohsen Farazdaghi, Iran

Propagating source reconstructions from stereo-EEG identify new surgical targets in patients with inconclusive initial evaluation or failed surgery <i>Speaker:</i> Brandon Thio, USA	15:45 - 15:55
Home recording of electrographic typical absence seizures with the Sensor Dot: performance and patient feedback <i>Speaker:</i> Lauren Swinnen, Belgium	15:55 - 16:05
Permutation entropy derived parameters to estimate the epileptogenic zone network <i>Speaker:</i> Ionut-Flavius Bratu, France	16:05 - 16:15
Impact of ambulatory EEG on the assessment of epileptic patients in resource-limited Latin-American populations <i>Speaker:</i> Francisco Javier Taveras Almonte, Dominican Republic	16:15 - 16:25
Closing	16:25 - 16:30
<i>ILAE YES</i> 16:30 - 17:30	Forum
ILAE YES Career Development Session <i>Chair:</i> Ching Soong Khoo, Malaysia	
Effective strategies to conduct a multicentre prospective study <i>Speaker:</i> Eugen Trinko, Austria	
<i>Other</i> 16:30 - 17:30	212
ILAE Pharmacy section campfire	
Pharmacist-clinician Collaboration in Epilepsy, Experiences from Israel <i>Speaker:</i> Sara Eyal, Israel	
Role of the Clinical Pharmacist Practitioner in a Veterans Administration Comprehensive Epilepsy Center <i>Speaker:</i> Barry Gidal, USA	
Experience from the Pharmacology Team at the National Center for Epilepsy in Norway <i>Speaker:</i> Cecilie Johannssen Landmark, Norway	
Role of Pharmacist in a Refractory Epilepsy Clinic <i>Speaker:</i> Sunita Dergalust, USA	
<i>Other</i> 16:30 - 17:30	213
ILAE Nursing section -Inspiring Nurses to Empower Patients	
Advancements in Nursing Practice and Patient Support in a Tertiary Epilepsy Centre Transition of Care – Adults <i>Speaker:</i> Djyntha Vos, Netherlands	

Developing Preconception Care Patient-Reported Measures for Women with Epilepsy

Speaker: Janine Winterbottom, United Kingdom

Paediatric Epileptology

17:00 - 18:30

Auditorium

Hypothalamic hamartoma – evolving understanding of evolution and treatment of an epileptic syndrome

Chair: Kathrin Wagner, Germany

Chair: Samuel Berkovic, Australia

Introduction	17:00 - 17:05
Genetic and clinical workup for HH – what do we need?	17:05 - 17:25
<i>Speaker:</i> Samuel Berkovic, Australia	
Cognitive and behavioral development in HH – what do we know?	17:25 - 17:45
<i>Speaker:</i> Kathrin Wagner, Germany	
To treat or not to treat: the role of gelastic and other seizure types	17:45 - 18:05
<i>Speaker:</i> Julia Jacobs, Canada	
New treatments for unilaterally and bilaterally attached hamartomas	18:05 - 18:25
<i>Speaker:</i> Hiroshi Shirozu, Japan	
Closing	18:25 - 18:30

Adult Epileptology

17:00 - 18:30

Liffey B

Decision support tools in epilepsy: are we there yet?

Chair: Karl Klein, Canada

Chair: Colin Josephson, Canada

Introduction	17:00 - 17:05
Precision medicine in epilepsy: from rare monogenic to common epilepsies	17:05 - 17:20
<i>Speaker:</i> Karl Klein, Canada	
Strategies for data collection in the future	17:20 - 17:35
<i>Speaker:</i> Spiros Denaxas, United Kingdom	
Clinical prediction tools in epilepsy: current models outperform physicians and should be widely deployed	17:35 - 17:50
<i>Speaker:</i> Carolina Ferreira Atuesta, USA	
Clinical prediction tools in epilepsy: from premonition to certainty	17:50 - 18:05
<i>Speaker:</i> Colin Josephson, Canada	
Engaging patients to improve seizure forecasting and deploy wearable devices	18:05 - 18:20

Speaker: Rachel Stirling, Australia

Closing

18:20 - 18:30

Industry

17:00 - 18:15

Liffey Hall 1

Satellite Symposium

Award Symposia

17:00 - 17:30

Liffey Hall 2

Award Symposium: Epileptic Disorders Prize

Chair: Alexis Arzimanoglou, France

Chair: Sándor Beniczky, Denmark

Introduction

17:00 - 17:05

The operational definition of epileptiform discharges significantly improves diagnostic accuracy and inter-rater agreement of trainees in EEG reading

17:05 - 17:25

Speaker: Mustafa Aykut Kural, Denmark

Closing

17:25 - 17:30

Other

17:00 - 18:30

Wicklow Hall 1

Disseminating and implementing evidence-based epilepsy self-management programs to improve patient outcomes

Chair: Erica Johnson, USA

The Managing Epilepsy Well Network (MEWN): The Path from Science to Service

Speaker: Barbara Jobst, USA

The HOBSCOTCH Institute: Fostering Innovative Solutions for Public Health Impact in Epilepsy Self-Management

Speaker: Elaine Kiriakopoulos, USA

MINDSET: Screening and Referring for Epilepsy Self-Management in the Clinic Setting

Speaker: Ross Shegog, USA

SMART Program Outreach to People with Epilepsy Living in Rural Settings and Using an Integrated Dataset to Inform Dissemination Approaches and Depression in Clinical and Community Settings

Speaker: Martha Sajatovic, USA

Social Issues

17:00 - 20:00

Wicklow Hall 2

IBE Public Session

Chair: Peter Murphy, Ireland

Climate Change & Epilepsy

Speaker: Sanjay Sisodiya, United Kingdom

Ketogenic diet and beyond: what is on the horizon?

Speaker: Manisha Patel, USA

Managing the challenge of anxiety in epilepsy

Speaker: Sophie Benett, United Kingdom

Speaker: Gaston Baslet, USA

The genetics of epilepsy in 2023

Speaker: Samuel Berkovic, Australia

Precision therapies for epilepsy; what's available and how well do they work?

Speaker: Floor Jansen, Netherlands

The relationship between sleep & epilepsy

Speaker: Birgit Frauscher, Canada

Neuroimaging

18:30 - 19:00

Station A

Digital Poster Presentation - Neuroimaging 2**Using brain imaging to improve individualized targeting of transcranial magnetic stimulation for generalized epilepsy**

Poster Presenter: Cong Fu, China

Cognitive implications of amygdalar subnuclei volumes in lesional and non-lesional temporal lobe epilepsy

Poster Presenter: Alice Ballabeni, Italy

Decreased surface area in epilepsy patients with postictal generalized electroencephalography suppression

Poster Presenter: Chenyang Zhao, China

Topological discrimination network in people with epilepsy: the comparison of the topological discrimination network and the default mode network

Poster Presenter: Chenyang Zhao, China

Disrupted modularity in mesial temporal lobe epilepsy using magnetoencephalography

Poster Presenter: Ajay Asranna, India

Effect of VNS therapy on MRI-assessed Locus Coeruleus integrity in patients with drug-resistant epilepsy

Poster Presenter: Alexandre Berger, Belgium

Normative modelling of hippocampal morphology in epilepsy

Poster Presenter: Ana Suller-Marti, Canada

Clinical perspective, diagnosis and surgical management of type II focal cortical dysplasias, a ten-year study in our referral epilepsy center

Poster Presenter: Anxo Manuel Minguillón Pereiro, Spain

Asymmetric perivascular space distribution in post-stroke

epilepsy*Poster Presenter:* Ben Sinclair, Australia**Prevalence, outcome and features of seizures in children with COVID-19 – single center experience***Poster Presenter:* Biljana Vu?eti? Tadi? Vu?eti? Tadi?, Serbia*Nursing*

18:30 - 19:00

Station B

Digital Poster Presentation - Nursing/Social Issues 1**The virtual epilepsy specialist nurse in prison – a service evaluation project***Poster Presenter:* Michelle Esposito, United Kingdom**Approaches of emergency nurses to pediatric epileptic seizures in Turkey: a cross-sectional, multicenter study***Poster Presenter:* Zahide Iyi, Turkey**Epilepsy in Zambia Documentary***Poster Presenter:* Betty Barbara Nsachilwa, Zambia**Parents' expectations about scientific research on Dravet syndrome***Poster Presenter:* Simona Borroni, Italy**An integrated approach to provision of community care pathway for epilepsy care to vulnerable populations in an urban setting- the homeless person with with epilepsy***Poster Presenter:* Cara Synnott, Ireland**Attitudes of Bulgarian patients with epilepsy to COVID-19 vaccination***Poster Presenter:* Ekaterina Viteva, Bulgaria**Experiences and impact of public involvement in epilepsy awareness through national epilepsy programme before and during the COVID-19 pandemic***Poster Presenter:* Fredrick Beuchi, Kenya**Seras-EEG trial: technical correlation between conventional EEG recording and the mjn-SERAS device for subsequent analysis by an artificial intelligence-based system for seizure early detection***Poster Presenter:* Gustavo Torres-Gaona, Spain**Gastrointestinal and eating problems in SCN1A-related seizure disorders***Poster Presenter:* Crista Minderhoud, Netherlands*Paediatric Epileptology*

18:30 - 19:00

Station C

Digital Poster Presentation - Paediatric Epileptology 2**Does the use of more restrictive diagnostic criteria in Lennox-**

Gastaut Syndrome improve the identification of the etiology?

Poster Presenter: Elena González Alguacil, Spain

EEG education in child neurology and neurodevelopmental disabilities residencies: a survey of U.S. and Canadian program directors

Poster Presenter: Fábio A. Nascimento, USA

Acetazolamide for developmental and/or epileptic encephalopathy with spike-wave activation in sleep (D/EE-SWAS). Experience Dr. Exequiel González Cortes Hospital, Chile

Poster Presenter: M. Francisca Lopez, Chile

Pharmacokinetics of co-administered ganaxolone and cannabidiol in healthy adults

Poster Presenter: Ian Miller, USA

Radiomics analysis in pediatric patients with MRI-negative temporal lobe epilepsy

Poster Presenter: Da Eun Jung, South Korea

Predicting upcoming interictal epileptiform discharges with deep learning

Poster Presenter: Jamie Norris, United Kingdom

Cognitive and behavioural prognostic factors in children with epileptic encephalopathy with continuous spikes and waves during sleep (CSWS)

Poster Presenter: Jana Domínguez-Carral, Spain

CDKL5 epileptic encephalopathy

Poster Presenter: Justyna Paprocka, Poland

Refractory epilepsy, macrocephaly with hydrocephalus, leukodystrophy, severe hyponatremia- neonatal presentation of Alexander disease with novel *GFAP* missense heterozygous variant NM_002055.5: c.1187C>T

Poster Presenter: Justyna Paprocka, Poland

A family with misleading migraine attacks diagnosed as occipital lobe epilepsy

Poster Presenter: Chahnez Charfi Triki, Tunisia

Neuropsychology
19:00 - 19:40

Station A

Digital Poster Presentation - Neuropsychology & Mixed**Social cognition and quality of life in patients with drug resistant temporal lobe epilepsy**

Poster Presenter: Aleksandra Bala, Poland

Diagnostic utility of Quantitative Electroencephalography (QEEG) for detecting periodic seizures and cycling periodic patterns

Poster Presenter: Carmen Blázquez-Muñoz, Spain

Effect of endocannabinoids on cognitive functions in patients with treatment-resistant epilepsy

Poster Presenter: Brenda Giagante, Argentina

Retrospective insights into childhood epilepsy

Poster Presenter: Clara Sherlock, Ireland

Cognitive difficulties are evident at epilepsy diagnosis: evidence from the first 100 participants in the Australian Epilepsy Project

Poster Presenter: Chris Tailby, Australia

The cognitive profile of different Idiopathic Generalized Epilepsy syndromes in adult patients

Poster Presenter: Elena Tartara, Italy

Long-term intellectual outcome after pediatric epilepsy surgery: a systematic review and meta-analysis

Poster Presenter: Ilona Stefanos-Yakoub, Switzerland

Are reaction times more sensitive to antiseizure medication than visuomotor speed and executive functions?

Poster Presenter: Juri-Alexander Witt, Germany

A juvenile with dissociative seizures mimicking oculogyric crisis: an unusual case report of eye sign of conversion disorder

Poster Presenter: Jinmei Li, China

Analysis of EEG patterns during ictal seizures by phase amplitude coupling in epilepsy of infancy with migrating focal seizures

Poster Presenter: Hirotaka Motoi, Japan

Spike detection and electric source imaging (ESI) to study epileptogenic networks during presurgical evaluation

Poster Presenter: Karnele Olaciregui Dague, Germany

EEG synchronization measures as a predictive biomarker of VNS response in drug-resistant epilepsy: a retrospective study

Poster Presenter: Venethia Danthine, Belgium

Social Issues

19:00 - 19:30

Station B

Digital Poster Presentation - Nursing/Social Issues 2

Perception of family support in patients with epilepsy

Poster Presenter: Gloria Maria Tedrus, Brazil

Interest in and factors influencing people with epilepsy to participate in an exercise intervention trial – results of a brief survey and its preliminary application

Poster Presenter: Jane Allendorfer, USA

PPI perspective on the ICHOM's epilepsy set of patient-centered outcome measures

Poster Presenter: Lorraine Lally, Ireland

Development and evaluation of the usefulness of an electronic diary (e-Diary) for the recording of seizures and other paroxysmal events in Alternating Hemiplegia of Childhood (AHC)

Poster Presenter: Maria Papadopoulou, France

The knowledge and awareness of epilepsy among medical students in Poland

Poster Presenter: Marta Zawadzka, Poland

Remote counselling services for people with epilepsy: an accessible, cost-effective approach

Poster Presenter: Mary Keenan, United Kingdom

Celebrating epilepsy day: how it improves awareness and fights the stigma of epilepsy

Poster Presenter: Najib Kissani, Morocco

National epilepsy regional clinical cooperation system project in Japan

Poster Presenter: Eiji Nakagawa, Japan

Examining the financial impact of driving restriction on patients with epilepsy in Ireland

Poster Presenter: Stephen P. Klaus, Ireland

Epilepsy Care Pathway, the Finnish model

Poster Presenter: Zakarya Hadj Allal, Finland

Basic science

19:00 - 19:30

Station C

Digital Poster Presentation - Basic science 3**Sigma-1 as a target candidate for antiseizure effects: analysis in the mouse amygdala kindling model of temporal lobe epilepsy**

Poster Presenter: Cristina Monio Baca, Germany

Perineuronal nets abnormalities in epileptic human tissue

Poster Presenter: Dalia De Santis, Italy

Investigation of long non-coding RNAs as mediators of aberrant gene expression in temporal lobe epilepsy????

Poster Presenter: Theresa Auer, Ireland

High frequency oscillations with frequencies 2000-8000Hz, physiology, biomarker or artifact?

Poster Presenter: Vojtech Travnický, Czech Republic

Metrics for evaluation of Seizure-Onset Zone localization

Poster Presenter: Valentina Hrtónová, Czech Republic

Early warning signals of critical transitions in iEEG of mice with focal cortical dysplasia type II

Poster Presenter: Jan Kudláček, Czech Republic

Compromised oligodendrocytes and myelination status in grey matter of type IIb focal cortical dysplasia: possible role in epileptogenesis

Poster Presenter: Laura Rossini, Italy

Semaphorin 3F regulate the seizure generation in pilocarpine rat model of temporal lobe epilepsy

Poster Presenter: Vivek Dubey, India

MicroRNA-142-5p and its effect in male & female rats on the progression of status epilepticus

Poster Presenter: Zita Goliášová, Czech Republic

Tuesday, 05. September 2023*Other*

08:00 - 09:30

Liffey A

Engaging primary health care providers in epilepsy care: How and how much?*Chair:* Samuel Wiebe, Canada*Chair:* Gagandeep Singh, India

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Speaker: Josemir Sander, United Kingdom

-

Speaker: Leonor Cabral-Lim, Philippines

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Speaker: Samuel Wiebe, Canada

-

Speaker: Neerja Chowdhary, Belgium

-

Speaker: Patricia Braga, Uruguay

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Speaker: Gagandeep Singh, India

-

Speaker: Chahnez Charfi Triki, Tunisia*Basic science*

08:00 - 09:30

Liffey B

Why do we need to record EEG in animal models?*Chair:* Julia Jacobs, Canada*Chair:* Premysl Jiruska, Czech Republic**Introduction**

08:00 - 08:05

The role of EEG in animal studies and pre-clinical testing

08:05 - 08:25

Speaker: Premysl Jiruska, Czech Republic**Methods of EEG recording – from standard video-EEG to advanced approaches**

08:25 - 08:45

Speaker: Christos Lisgaras, USA**Electroclinical features of genetic epilepsy models**

08:45 - 09:05

Speaker: Massimo Mantegazza, France*Speaker:* Simona Balestrini, Italy**EEG as a tool to dissect epileptic networks**

09:05 - 09:25

Speaker: Mark Cunningham, Ireland*Speaker:* Julia Jacobs, Canada**Closing**

09:25 - 09:30

Paediatric Epileptology

08:00 - 09:30

Liffey Hall 1

Immunity, inflammation and epilepsy*Chair:* Christian Bien, Germany**Introduction**

08:00 - 08:05

The immunology underlying autoimmune epilepsies

08:05 - 08:25

Speaker: Jan Bauer, Austria**Epileptogenic mechanisms of human autoantibodies**

08:25 - 08:45

Speaker: Christian Geis, Germany**Management of patients with suspected autoimmune epilepsy**

08:45 - 09:05

Speaker: Christian Bien, Germany**Autoimmune epilepsy in paediatric patients**

09:05 - 09:25

Speaker: Sukhvir Wright, United Kingdom**Closing**

09:25 - 09:30

Industry

08:00 - 09:30

Liffey Hall 2

Satellite Symposium*Other*

08:00 - 09:30

Wicklow Hall 1

International academia-industry collaboration: implementation of EEG/ epilepsy education and research*Chair:* Kensuke Kawai, Japan*Chair:* Aris Bintoro, Indonesia**Global approach of IGAP for individual chapters***Speaker:* Alla Guekht, Russian Federation**Current problems and implementation in epilepsy care in South East Asia***Speaker:* Fitri Octaviana, Indonesia**Academia-industry collaboration at Indonesia for fundamental education***Speaker:* Hideaki Shiraishi, Japan**Implementation of research beyond academia-industry collaboration***Speaker:* Akio Ikeda, Japan*Clinical Neurophysiology*

08:00 - 09:30

Liffey Meeting Room 2

Advanced EEG: source imaging – part 2 (Hands-on)*Chair:* Sándor Beniczky, Denmark**Introduction**

08:00 - 08:05

Case analysis

08:05 - 08:45

Speaker: Sándor Beniczky, Denmark

Case analysis

08:45 - 09:25

Speaker: Stefan Rampp, Germany

Closing

09:25 - 09:30

Epilepsy Surgery

09:30 - 11:30

Auditorium

Next generation networks to improve diagnosis and treatment in the epilepsies

Chair: Dario Englot, USA

Chair: Kate Davis, USA

Introduction

09:30 - 09:35

Network predictors of response to medications and surgery

09:35 - 09:57

Speaker: Simon Keller, United Kingdom

Neural network applications to imaging in epilepsy

09:57 - 10:19

Speaker: Carrie McDonald, USA

Evoked stimulation responses to guide surgical decisions

10:19 - 10:41

Speaker: Riki Matsumoto, Japan

Network correlates of neuropsychiatric comorbidities

10:41 - 11:03

Speaker: Aileen McGonigal, Australia

Implementing network analysis at the patient level: Barriers and minimum standards

11:03 - 11:25

Speaker: Peter Taylor, United Kingdom

Closing

11:25 - 11:30

Paediatric Epileptology

09:30 - 11:30

Liffey B

Complex and Rare Epilepsies: The past, the present, and the future

Chair: Kette Valente, Brazil

Chair: J Helen Cross, United Kingdom

Introduction

09:30 - 09:40

Living with a child with complex and rare epilepsy: Quality of life matters!

09:40 - 09:56

Speaker: Francesca Sofia, Italy

Developmental and or Epileptic Encephalopathies: The need for an etiology-driven epilepsy approach

09:56 - 10:12

Speaker: Ingrid Scheffer, Australia

From catastrophic epilepsies to Developmental and or Epileptic Encephalopathies: What is in a name?

10:12 - 10:28

Speaker: Elaine Wirrell, USA

The unmet needs in the transition to adult care in DEEs and complex epilepsies: Leaving no one behind

10:28 - 10:44

Speaker: Rima Nabbout, France

Treatment of DEE in low resource settings: The best and the possible

10:44 - 11:00

Speaker: Edward Kija, Tanzania

Epilepsy Surgery in DEE: Can we predict outcomes?

11:00 - 11:16

Speaker: Georgia Ramantani, Switzerland

Closing

11:16 - 11:30

Other

11:30 - 12:30

Forum

ILAE Neurotechnology - Imaging technology in epilepsy: to what extent clinicians can benefit from these approaches?

Imaging technology in epilepsy: to what extent clinicians can benefit from these approaches?

Speaker: Anna Elisabetta Vaudano, Italy

ILAE YES

11:30 - 12:30

Forum

ILAE YES Brainstorming Session

Chair: Fridha Viridiana Villalpando-Vargas, Mexico

Advantages and challenges of using SEEG for the study of the bidirectional relationships between sleep and epilepsy

Speaker: Birgit Frauscher, Canada

Other

11:30 - 12:30

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ILAE Nursing section session

Drug Therapy

12:00 - 13:40

Auditorium

Plant based therapies for epilepsy: challenges and opportunities

Chair: Kate Riney, Australia

Chair: KP Vinayan, India

Introduction

12:00 - 12:03

A patient experience

12:03 - 12:10

Speaker: Yvonne Cahalane, Ireland

Why is there such a demand for plant-based therapies for epilepsy?

12:10 - 12:20

Speaker: Elizabeth Thiele, USA

Discussion

12:20 - 12:25

The cannabinoid story – what we have learned.

12:25 - 12:45

Speaker: Cecilie Johannssen Landmark, Norway

Speaker: Finbar O'Callaghan, United Kingdom

Discussion	12:45 - 12:50
Plant-based epilepsy treatments across cultures and world regions	12:50 - 13:10
<i>Speaker:</i> Motlalepula Matsabisa, South Africa	
<i>Speaker:</i> KP Vinayan, India	
Discussion	13:10 - 13:15
Discussion	13:15 - 13:20
Potential novel agents and overcoming challenges in bringing market.	13:20 - 13:30
<i>Speaker:</i> Siegwand Elsas, Switzerland	
Closing	13:30 - 13:40

Epilepsy Surgery
12:00 - 13:30

Liffey A

Creating small lesions to treat epilepsy

Chair: Michael Sperling, USA

Chair: Samuel Wiebe, Canada

Introduction	12:00 - 12:05
Balancing seizure outcome and invasiveness in epilepsy surgery	12:05 - 12:25
<i>Speaker:</i> John Rolston, USA	
Thermal ablation for epilepsy	12:25 - 12:45
<i>Speaker:</i> Michael Sperling, USA	
Radiofrequency ablation to treat lesions and networks in epilepsy	12:45 - 13:05
<i>Speaker:</i> Laura Tassi, Italy	
Focused ultrasound: lesioning and neuromodulation in epilepsy	13:05 - 13:25
<i>Speaker:</i> Hsiang-Yu Yu, Taiwan	
Closing	13:25 - 13:30

Psychiatry
12:00 - 13:30

Liffey B

Identifying and managing neurobehavioral comorbidities in children with epilepsy -Can we bridge the gap?

Chair: Colin Joseph Reilly, Sweden

Chair: Francesca Sofia, Italy

Introduction	12:00 - 12:05
When the evidence is so clear these conditions go hand in hand, how can those departments not talk to one another	12:05 - 12:25
<i>Speaker:</i> Emma Dalrymple, United Kingdom	
They do their best to help with his epilepsy ..the rest almost	12:25 - 12:45

nothing*Speaker:* Josefine Soto Jansson, Sweden**Screening for neurobehavioural difficulties in children with epilepsy – what are the challenges?**

12:45 - 13:05

Speaker: Kirsty Donald, South Africa**What are the options for treating for treating neuropsychiatric difficulties in children with epilepsy?**

13:05 - 13:25

Speaker: Jay Salpekar, USA**Closing**

13:25 - 13:30

Nursing

12:00 - 16:30

Liffey Hall 1

Epilepsy Nursing Practice: Identifying Common Themes and Innovative Solutions to address the Treatment Gap*Chair:* Karen Legg, Canada*Chair:* Sandra Dewar, USA*Chair:* Peter Kabemba, Zambia**Welcome and introductions to day**

12:00 - 12:10

Speaker: Karen Legg, Canada**The lived experience. A personal journey with epilepsy**

12:10 - 12:25

Speaker: Alison Kukla, USA**Technology to Improve access - Overview/ introductions**

12:25 - 12:30

Co- chair: Karen Legg, Canada**Use of technology in resource limited countries**

12:30 - 12:45

Speaker: Jane von Gaudecker, USA**Project ECHO telementoring program**

12:45 - 13:00

Speaker: Patricia Osborne Shafer, USA**Nurse led epilepsy services to improve access - Overview/ introductions**

13:00 - 13:05

Co- chair: Karen Legg, Canada**Nurse led transition clinic**

13:05 - 13:20

Speaker: Laura Jurasek, Canada**Nurse led epilepsy services Australia experience**

13:20 - 13:35

Speaker: Brialie Forster, Australia**Lunch break**

13:35 - 14:05

Engagement and Support for People with Epilepsy - Overview/ introductions:

14:05 - 14:10

Co- chair: Sandra Dewar, USA**The Impact of Stigma**

14:10 - 14:25

Speaker: Action Amos, Malawi

Nursing initiatives to reduce stigma <i>Speaker:</i> Monicah Murrey, Kenya	14:25 - 14:40
Nursing perspectives in self management: focus on seizure emergencies -Overview/ introductions <i>Speaker:</i> Sandra Dewar, USA	14:40 - 14:45
Approach to self management during seizure emergencies: Ireland perspective <i>Speaker:</i> Cora Flynn, Ireland	14:45 - 15:00
Approach to self management during seizure emergencies in resource limited countries <i>Speaker:</i> Tolu Olaniyan, United Kingdom	15:00 - 15:15
Nursing opportunities in screening for comorbidities - Overview/ introductions <i>Co- chair:</i> Peter Kabemba, Zambia	15:15 - 15:20
The lived experience. A personal journey of a parent of child with epilepsy and comorbid conditions <i>Speaker:</i> Deirdre-Anne Wynne Robinson, Ireland	15:20 - 15:35
Nursing opportunities in screening for comorbidities <i>Speaker:</i> Ludivine Rohrer, France	15:35 - 15:50
Panel and group discussion	15:50 - 16:20
Closing	16:20 - 16:30
<i>Other</i> 12:00 - 13:30 Quiz - Round 1	Wicklow Hall 2
<i>Other</i> 13:00 - 15:30 In-Person Posters	Forum
Brain conductivity estimated from SEEG low-intensity stimulations correlates with epileptogenicity <i>Poster Presenter:</i> Stanislas Lagarde, France	
Automated detection of convulsive seizures using video recordings with privacy preserving features <i>Poster Presenter:</i> Shobi Sivathamboo, Australia	
The use of illicit psychoactive substances in people with epilepsy <i>Poster Presenter:</i> R?ta Mameniškien?, Lithuania	
Validation of SERIAS, a novel self-report instrument to measure the impact of epilepsy <i>Poster Presenter:</i> Emma Foster, Australia	
Designing a palliative care program for selected epilepsy	

patients and their caregivers - A mixed methods study

Poster Presenter: Mamta Singh, India

Focal cortical notch lesions: a radiological biomarker complementing diagnostic criteria of late onset Rasmussen's encephalitis

Poster Presenter: Vera Dinkelacker, France

Prospective validation of a mobile and wearable app to forecast seizure risk

Poster Presenter: Rachel Stirling, Australia

Late-onset seizure after spontaneous intracerebral hemorrhage: a population-based retrospective cohort study

Poster Presenter: Yuan-Fu Tseng, Taiwan

Glioblastoma molecular correlates of seizure occurrence/recurrence after surgery: the role of p53 mutation

Poster Presenter: Pietro Mattioli, Italy

DNA methylation signatures provide new insights into disease mechanisms of MCD and epilepsy

Poster Presenter: Mitali Katoch, Germany

Comparative analysis of brain and blood-derived DNA methylation signatures in MCD

Poster Presenter: Katja Kobow, Germany

P2X7 receptor antagonism reduces epileptiform-like activity in human iPSC-derived neuronal in vitro model of epilepsy

Poster Presenter: Jaideep Cherakka Kesavan, Ireland

MicroRNA-mediated inhibition strategies and their neuroprotective potential in epilepsy mouse models

Poster Presenter: Durgesh Tiwari, USA

Central and peripheral circadian clock dysfunction in animal models of genetic generalised epilepsy and temporal lobe epilepsy

Poster Presenter: Pablo Casillas-Espinosa, Australia

Clinicopathological study on microvacuolar changes in the cerebral white matter of patients with epilepsy

Poster Presenter: Hajime Miyata, Japan

The antiepileptogenic effects of the gelatinase inhibitor ACT-03 are mediated by reducing gliosis, attenuating inflammation and preserving barrier integrity

Poster Presenter: Roger Prades, Spain

Serum cytokines are correlated with epilepsy and rebleeding in cerebral cavernous malformations

Poster Presenter: Yo-Tsen Liu, Taiwan

Microglial-specific knockdown of the core clock gene Bmal1 leads to an increased susceptibility to seizures and behavioural

changes in mice

Poster Presenter: Tammy Strickland, Ireland

Recurrent isolated sleep paralysis as a clinical expression of focal seizures

Poster Presenter: Rosalia Silvestri, Italy

The role of EEG in the diagnosis of pyridoxine-dependent epilepsy

Poster Presenter: Vibeke Arntsen, Norway

Diagnosis of non-convulsive status epilepticus: evaluation of electro-clinical response to intravenous anti-seizure medication in patients with ictal-interictal continuum

Poster Presenter: Markus Leitinger, Austria

Recording seizures “in the wild” – electrographic characteristics of ictal subcutaneous EEG recordings

Poster Presenter: Pedro F. Viana, United Kingdom

Flash-evoked high-frequency EEG oscillations in photosensitive epilepsies

Poster Presenter: Gionata Strigaro, Italy

Clinically efficient language mapping by electrical cortical stimulation before epilepsy surgery: endorsed by principal component analysis of mapping findings

Poster Presenter: Mayumi Otani, Japan

A daily seizure risk forecast from intracranial EEG connectivity during resting-state protocol in focal epilepsy

Poster Presenter: Louis Cousyn, France

A machine learning algorithm for detection of ictal and continuum patterns

Poster Presenter: Franz Furbass, USA

Clinical added value of interictal automated electrical source imaging in the presurgical evaluation of MRI-negative epileptic patients: a monocentric prospective study

Poster Presenter: Roberto Santalucia, Belgium

Periodic EEG discharges and epileptic spasms involve cortico-striatal-thalamic loops on arterial spin labeling MRI

Poster Presenter: Monika Eisermann, France

Cardiac MRI reveals that heart abnormalities are common in people with epilepsy

Poster Presenter: Jan Pukropski, Germany

Quality of life and depression phenotypes in young adults with epilepsy

Poster Presenter: Erica Johnson, USA

Attention deficit hyperactivity disorder and seizure type

Poster Presenter: Imran Ali, USA

The genetic link between systemic autoimmune disorders and temporal lobe epilepsy: a bioinformatics study

Poster Presenter: Ali Asadi-Pooya, Iran

Long-term neurocognitive and cortical network dysfunction following mild traumatic brain injuries

Poster Presenter: Pooyan Moradi, Canada

White matter brain-age in diverse forms of epilepsy and interictal psychosis

Poster Presenter: Daichi Sone, Japan

Epileptic seizure as the first symptom of brain tumor

Poster Presenter: Ruta Mameniskiene, Lithuania

Web-based decision support system for patient-tailored selection of antiseizure medication in adolescents and adults: an external validation study

Poster Presenter: Levente Hadady, Hungary

Extensive pharmacokinetic variability of topiramate in women of childbearing age

Poster Presenter: Margrete Larsen Burns, Norway

Minimum effective sodium valproate dose in genetic generalized epilepsies

Poster Presenter: Laura Maria Guilhoto, Brazil

Patient self-collected versus nurse-collected fingerprick volumetric absorptive microsampling for antiseizure medication therapeutic monitoring

Poster Presenter: Laura Licchetta, Italy

Pharmacokinetic variability of cannabidiol in clinical practice

Poster Presenter: Cecilie Johannessen Landmark, Norway

Sustained $\geq 90\%$ response and seizure freedom in patients with focal-onset seizures treated with cenobamate

Poster Presenter: Elena Alvarez-Baron, Spain

Can antiepileptic drugs improve cognitive functions in elderly with no clinical seizures?

Poster Presenter: Ljubica Vojvodic, Serbia

SWALLOWTAIL: an open-label extension (OLE) study for children and adolescents with Dravet syndrome (DS) who previously participated in a study of antisense oligonucleotide (ASO) STK-001

Poster Presenter: Scott Perry, USA

MONARCH and ADMIRAL interim analyses: ongoing, open-label, Phase 1/2a studies in US and UK investigating safety and drug exposure of STK-001, an antisense oligonucleotide (ASO), in children and adolescents with Dravet syndrome (DS)

Poster Presenter: J Helen Cross, United Kingdom

Clinical experience with Brivaracetam IV in emergency situation

Poster Presenter: Kevin Hampel, Spain

Elektroencephalographic evaluation of cenobamate in refractory epilepsies

Poster Presenter: David Apel, Germany

Anti-seizure medication and seizure cycle dynamics

Poster Presenter: Ashley Reynolds, Australia

Safety, tolerability and pharmacokinetic findings from a first-in-human, randomized, double-blind, placebo-controlled trial of single and multiple ascending doses of PRAX-628 in healthy participants

Poster Presenter: Karl Hansen, USA

Epilepsy treatment: experiences of people living with epilepsy (PLWE) on anti-epileptic drugs in Limpopo and Mpumalanga Provinces, South Africa

Poster Presenter: Lufuno Makhado, South Africa

Epilepsy surgery in early infancy: a retrospective, multicenter study

Poster Presenter: Konstantin L. Makridis, Germany

Specific Consistency Score (SCS) for epilepsy surgery candidates: a possible application in limited source circumstance without FDG-PET

Poster Presenter: Maya Tojima, Japan

Genetic diagnostics in pediatric epilepsy surgery

Poster Presenter: Angela M. Kaindl, Germany

Post operative seizure outcomes in temporal lobe focal cortical dysplasia

Poster Presenter: Shruti Agrawal, India

Long term surgical outcome and predictors in posterior cortex epilepsy

Poster Presenter: Harini Pavuluri, India

Clinical and histopathological factors influencing seizure outcome after ganglioglioma surgery

Poster Presenter: Matthias Tomschik, Austria

Surgical genomics: how genes impact surgical evaluation and surgical outcomes in drug-resistant epilepsy

Poster Presenter: Quratulain Zulfiqar Ali, Canada

The diagnostic value of ictal SPECT – a retrospective, semiquantitative monocenter study

Poster Presenter: Theodor Rüber, Germany

Ictal testing in the video telemetry unit: Is it possible and does it

add value? Audit of the ILAE Ictal Testing Battery in a tertiary video telemetry unit

Poster Presenter: Emma Isabel Anmanari Torzillo, United Kingdom

Expedited epilepsy surgery and outcome measures of importance - patient/carer and clinician perspectives

Poster Presenter: Omar Salim, United Kingdom

WVOX developmental and epileptic encephalopathy (WVOX-DEE): understanding the epileptology and the mortality risk

Poster Presenter: Marina Trivisano, Italy

Prognostic value of pathogenic variants in Lafora disease: systematic review and meta-analysis of patient-level data

Poster Presenter: Francesca Bisulli, Italy

GABRA1-related disorders: from genetic to functional pathways

Poster Presenter: Elisa Musto, Denmark

Clinical spectrum and genotype-phenotype correlations of GABRB2-related encephalopathies

Poster Presenter: Nazanin Azarinejad Mohammadi, Denmark

Electroclinical phenotype and possible genotype-phenotype correlations in Pallister Killian syndrome: preliminary data

Poster Presenter: Maria Paola Canevini, Italy

Shifting the paradigm of genetic diagnosis: an international multi-centre pilot study of rapid genome sequencing in neonatal and infantile epilepsy

Poster Presenter: Amy McTague, United Kingdom

Genetic testing in children with pharmacoresistant genetic epilepsy in two EpiCARE centres over a two-year period

Poster Presenter: Karmen Krejan, Slovenia

Role of genetic variation with SCN1A gene and its relation with oxidative stress in drug resistant epilepsy

Poster Presenter: Swapan Gupta, India

Revisiting genetic diagnoses in adults with childhood-onset encephalitis and post-vaccination encephalopathy

Poster Presenter: Quratulain Zulfiqar Ali, Canada

Neonatal Developmental and Epileptic Encephalopathy with Movement disorders and Arthrogryposis (NDEEMA) – novel common phenotype across brain-expressed sodium channelopathies

Poster Presenter: Sopio Gverdsiteli, Denmark

Effect of SCN1A intronic variants on Na_v1.1 protein expression and sodium channel function and its correlation with epilepsy phenotype severity

Poster Presenter: Lu Yu, China

A user-friendly multimodal imaging pipeline for clinical research

in focal epilepsy: SWANi “Standardized Workflow for Advanced Neuro-imaging”

Poster Presenter: Anna Elisabetta Vaudano, Italy

Extent of resected mesiotemporal sclerosis predicts surgical outcome in temporal lobe epilepsy

Poster Presenter: Fatemeh Fadaie, Canada

Trajectories of mesiotemporal volumes and cortical thickness in the long-term course of autoimmune limbic encephalitis

Poster Presenter: Tobias Bauer, Germany

Interictal blood-brain barrier dysfunction in drug-resistant focal epilepsy

Poster Presenter: Tobias Bauer, Germany

Higher diagnostic validity, half radiation dosage: development and evaluation of a new ictal-only single-photon emission computed tomography pipeline including an arterial spin labeling control cohort

Poster Presenter: Theodor Rüber, Germany

Direct evidence that age-related changes in MRI-diffusion tensor imaging in the human corpus callosum represent the development of neuronal fiber myelination

Poster Presenter: Tomonori Ono, Japan

Functional connectivity of sleep disorder in patients with anti-LGI1 encephalitis

Poster Presenter: Qun Wang, China

Multimodal imaging-based diagnostic signature for MRI-negative posterior cortex epilepsy with multicenter validation

Poster Presenter: Jiajie Mo, China

Semi-automatic interictal electric source localization based on LTM EEG: a prospective study

Poster Presenter: Laurent Spinelli, Switzerland

Peripheral and central nervous system biomarkers of inflammation in non-epileptic (functional) seizures: assessment with magnetic resonance spectroscopy

Poster Presenter: Jerzy P. Szaflarski, USA

Lateralizing value of resting-state functional MRI in mesial temporal lobe epilepsy associated with hippocampal sclerosis

Poster Presenter: Sidney Krystal, France

A machine learning model for the detection of focal cortical dysplasia in FLAIR MRIs

Poster Presenter: Mark McManis, USA

Probabilistic connectivity of the human cortex in patients with epilepsy

Poster Presenter: Ellen van Maren, Switzerland

Antiepileptic efficacy of epicranial focal cortex stimulation with a new implantable device in pharmacoresistant focal epilepsy

Poster Presenter: Andreas Schulze-Bonhage, Germany

Integrative roles of human amygdala subdivisions: insight from direct intracerebral stimulations via stereotactic EEG

Poster Presenter: Huaqiang Zhang, China

Depression-related healthcare utilization and costs following neurostimulation for drug-resistant epilepsy (DRE)

Poster Presenter: Vanessa Danielson, United Kingdom

Effects of a personalized tDCS protocol on Magnetoencephalography source functional connectivity in patients with refractory epilepsy: preliminary findings

Poster Presenter: Maeva Daoud, France

Dynamics of cortical excitability and seizure resilience

Poster Presenter: Gregory Lepeu, Switzerland

Vagus Nerve Stimulation in refractory idiopathic generalised epilepsy: an Irish 'real-world' retrospective study

Poster Presenter: Javier Peña-Ceballos, Ireland

Standard and investigational microburst vagus nerve stimulation elicit different fMRI brain responses

Poster Presenter: Jerzy P. Szaflarski, USA

Rolandic epilepsy: phenotypes and comorbidity matrix from a pan-European cohort of 200 patients

Poster Presenter: Deb K. Pal, United Kingdom

Longitudinal volumetry of subcortical gray matter in Rasmussen's Encephalitis

Poster Presenter: Tobias Bauer, Germany

Early inhibition of neuronal chloride uptake for control of neonatal seizure

Poster Presenter: Volodymyr Dzhala, USA

Efficacy of rapamycin in children with drug-resistant epilepsy related to Tuberous Sclerosis Complex

Poster Presenter: Katarzyna Kotulska, Poland

Seizure classifications in pediatric SARS-CoV-2 omicron infection

Poster Presenter: Ching-Min Tang, Taiwan

Early multichannel EEG analysis in Neonatal Hypoxic Ischaemic Encephalopathy: more than just a grade

Poster Presenter: Jacopo Proietti, Ireland

Intranasal vs buccal vs intramuscular midazolam for the home and emergency treatment of acute seizures in pediatric Egyptian patients

Poster Presenter: Omnia El Rashidy, Egypt

Epilepsy with eyelid myoclonias - a diagnosis concealed in other genetic generalized epilepsies with photoparoxysmal response

Poster Presenter: Martha Guadalupe García Toribio, Mexico

Experience of early discontinuation of medication in acute symptomatic neonatal seizures

Poster Presenter: Eva Arias Vivas, Spain

Prospective 5 year longitudinal study detects neuro-cognitive and imaging correlates of seizure remission in self-limiting Rolandic epilepsy

Poster Presenter: Stuart Smith, United Kingdom

Quantitative EEG parameters in childhood epileptic encephalopathy and childhood neurodevelopmental disorders

Poster Presenter: Sheffali Gulati, India

Electroencephalogram (EEG) and alternating hemiplegia of childhood (AHC): a prospective and retrospective EEG study of a large cohort of 32 patients

Poster Presenter: Matthildi Papathanasiou, France

Patient-driven collaborative approach to address the challenges that hinder therapy development in Dravet syndrome

Poster Presenter: Simona Borroni, Italy

Analysis of seizures in children with anti-glutamic acid decarboxylase antibodies related encephalitis/encephalopathy

Poster Presenter: Ju-Yin Hou, Taiwan

DEP score – a simple bedside tool to diagnose psychogenic non-epileptic seizures

Poster Presenter: Mark Katson, Israel

Prevalence of ictal injuries in functional (psychogenic nonepileptic) seizures: a systematic review and meta-analysis

Poster Presenter: Adriana B. Moreira, Brazil

Psychogenic non-epileptic seizures in adults with intellectual disability: a matched case-control study in all inpatients living in tertiary epilepsy centres in the Netherlands

Poster Presenter: Iris Kloosterman, Netherlands

Difficulties with sleep and motor coordination in secondary school-aged children with epilepsy: a case control study

Poster Presenter: Colin Joseph Reilly, Sweden

Machine learning applications to differentiate focal epilepsy from generalized epilepsy

Poster Presenter: Davood Fattahi, Iran

The ENGenE App: development of an EpiCARE/ILAE educational tool on Epilepsy Nosology and Genetic Etiologies

Poster Presenter: Maria Papadopoulou, France

Clinical and electrophysiological characteristics of patients with bilateral, simultaneous upper extremity automatism

Poster Presenter: Ozgun Yetkin, Poland

Clinical features of automatism and correlation with the seizure onset zones: a cluster analysis of 74 surgically treated cases

Poster Presenter: Bowen Yang, China

A machine learning approach in localizing seizure onset zone by cortico-cortical evoked potentials and the brain network alterations in refractory focal epilepsy patients

Poster Presenter: Bowen Yang, China

Industry

13:45 - 15:00

Liffey Hall 2

Satellite Symposium

Epilepsy and Reproductive Health

14:00 - 14:30

Station A

Digital Poster Presentation - Epilepsy and Reproductive Health & Paediatric Epileptology

Seizure control and pregnancy outcomes in women with temporal lobe epilepsy

Poster Presenter: Chen Yujie, China

Prevalence, outcome and features of seizures in children with COVID-19 – single center experience

Poster Presenter: Biljana Vucetic Tadic, Serbia

Progesterone and its derivatives for the treatment of catamenial epilepsy: a systematic review

Poster Presenter: Bruna Nucera, Italy

Women with Epilepsy across the lifespan

Poster Presenter: Carmela Redhead, Canada

Reproductive patterns in individuals with epilepsy; a nationwide cohort study

Poster Presenter: Josefine Klakk Jeppesen, Denmark

In-utero use of gabapentin during pregnancy and the risk of attention deficit hyperactivity disorder: a population-based cohort study

Poster Presenter: Sherif Eltonsy, Canada

Smaller ipsilesional thalamus in children after perinatal arterial ischemic stroke can predict epilepsy but not its severity

Poster Presenter: Ulvi Vaher, Estonia

Brivaracetam, an effective treatment for refractory typical absences

Poster Presenter: Victor Soto Insuga, Spain

Genomic analysis in Chilean pediatric patients with drug-resistant epilepsy

Poster Presenter: Viviana Venegas, Chile

Clinical Neurophysiology

14:00 - 14:30

Station B

Digital Poster Presentation - Clinical Neurophysiology 2**Using fully connected layer to extract interpretable component for electroencephalogram classification: a clinical application of convolutional neural network**

Poster Presenter: Qi Huang, China

Slow-wave electrographic shifts in iEEG, LFP, and single unit data at the pre- and postictal transition

Poster Presenter: Adrián Gutiérrez Gómez, Germany

Seizure clusters in ultra long-term subcutaneous electroencephalography

Poster Presenter: Ali Asghar Zarei, Denmark

Acceptability by end-users of a standardized structured format for reporting EEG

Poster Presenter: Alioth Guerrero-Aranda, Mexico

Interictal and ictal EEG source imaging in children below 6 years of age with curative epilepsy surgery: a retrospective, blinded clinical study

Poster Presenter: Amir G. Baroumand, Belgium

Automated seizure localization with phase-amplitude coupling in intracranial EEG

Poster Presenter: Aparajita Chatterjee, India

Can a single machine learning classifier pipeline detect seizures in two different patient datasets?

Poster Presenter: Bartłomiej Chybowski, United Kingdom

Monitoring faciobrachial dystonic seizures with wearable devices using machine learning

Poster Presenter: Benjamin Brinkmann, USA

Patterns of EEG abnormalities in patients with Metabolic Encephalopathy via single emergent EEG and emergent continuous EEG: a prospective study

Poster Presenter: Gopal Krishna Dash, India

Comparing long and short-term assessment of heart rate variability in Dravet Syndrome and the effect of sleep

Poster Presenter: Marco Perulli, Italy

Drug Therapy

14:00 - 14:30

Station C

Digital Poster Presentation - Drug Therapy 4

Idiopathic generalized epilepsies: which seizure type is more difficult to control?*Poster Presenter:* Ali Asadi-Pooya, Iran**Observational clinical trial of cannabis in drug-resistant focal epilepsy adults***Poster Presenter:* Brenda Giagante, Argentina**Normalization and first cross sectional validation of an extended adverse event profile (E AEP)***Poster Presenter:* Christoph Helmstaedter, Germany**The PACIFIC study: a phase 1b/2a study to investigate the safety, tolerability, pharmacology, and exploratory efficacy of LP352 in subjects with developmental and epileptic encephalopathies***Poster Presenter:* Chad Orevillo, USA**Evaluation of prolactin as a useful pharmacodynamic tool to assess engagement of central 5-HT_{2C} receptors by LP352, a potent and selective 5-HT_{2C} agonist***Poster Presenter:* Dewey McLin, USA**Perampanel in patients with refractory and super-refractory status epilepticus : Add on therapy***Poster Presenter:* Tinonkorn Yadee, Thailand**Real-world data on the use of cannabidiol in patients with Lennox-Gastaut Syndrome or Dravet Syndrome in the UK early access programme***Poster Presenter:* Christin Eltze, United Kingdom**Efficacy and tolerability of perampanel in pediatric patients with Dravet syndrome: single institution retrospective study***Poster Presenter:* Sereen Alahmadi, Saudi Arabia**Treatment of adult epilepsy patients with perampanel: evidence from real-world studies***Poster Presenter:* Adam Strzelczyk, Germany*Award Symposia*

14:30 - 15:30

Liffey A

Award Symposium: Epilepsia Open*Chair:* Aristeia Galanopoulou, USA**Introduction**

14:30 - 14:40

Focal impaired awareness seizures in a rodent model: a functional anatomy

14:40 - 15:00

Speaker: Nadia Adotevi, USA**Risk factors that predict delayed seizure detection on continuous electroencephalogram (cEEG) in a large sample size of critically ill patients**

15:00 - 15:20

Speaker: Ifrah Zawar, USA

Closing

15:20 - 15:30

Adult Epileptology
14:30 - 15:00

Station A

Digital Poster Presentation - Adult Epileptology 3**Telemedicine educational program in epilepsy Moroccan and African experience***Poster Presenter:* Najib Kissani, Morocco**Late-onset rasmussen's encephalitis (LORE): three illustrative cases and literature review***Poster Presenter:* Marta Marin Gracia, Spain**Risk of epilepsy and status epilepticus occurrence in post carbon monoxide poisoned patients: nationwide population-based cohort study***Poster Presenter:* Heewon Hwang, South Korea**Clinical and electrophysiological characteristics of patients with bilateral, simultaneous upper extremity automatism***Poster Presenter:* Ozgun Yetkin, Poland**All of a sudden I see myself – a microphenomenological analysis of out of body experiences in seizure descriptions***Poster Presenter:* Prisca R. Bauer, Germany**International case control study of Sudden Unexpected Death in Epilepsy (SUDEP)***Poster Presenter:* Peter Bergin, New Zealand**Value-based care delivery to patients with epilepsy and intellectual disability, before and after the initiation of an epilepsy outreach service: a six year review***Poster Presenter:* Raluca Stanila, Ireland**High-precision individualized approach in drug-resistant epilepsy patients using Ultralong term EEG monitoring (UNEEG)***Poster Presenter:* Rodrigo Rocamora, Spain**Seizures as initial and predominant clinical concern in adult patients with STEC HUS***Poster Presenter:* Ia Rukhadze, Georgia**EMU findings in presumed lesional focal epilepsy***Poster Presenter:* Seán Mooney, Ireland

Clinical Neurophysiology
14:30 - 15:00

Station B

Digital Poster Presentation - Clinical Neurophysiology 3**The potential effect of sleep circadian rhythm in the detection of epileptiform discharges in epilepsy***Poster Presenter:* Fridha Viridiana Villalpando-Vargas, Mexico

Exploring graph-derived metrics from functional brain connectivity analyses from PDC and DTF connectomes as VNS outcome predictors

Poster Presenter: Enrique Germany Morrison, Belgium

EEG-based encephalopathy grading: an inter-rater reliability study

Poster Presenter: Fábio A. Nascimento, USA

Novices and experienced EEG readers can be differentiated by a competency-based e-examination of routine EEG interpretation

Poster Presenter: Fábio A. Nascimento, USA

Paroxysmal depolarization shift - Is it an interictal phenomenon in humans?

Poster Presenter: Daniel Fabo, Hungary

Functional connectivity alterations in patients with post-stroke epilepsy based on source-level EEG and graph theory

Poster Presenter: Yeoung Deok Seo, South Korea

Modelling reentry excitation and interventions in a personalized cortical model of epilepsy

Poster Presenter: Paul Triebkorn, France

Interictal MEG abnormalities to guide intracranial electrode implantation and predict surgical outcome

Poster Presenter: Peter Taylor, United Kingdom

Detrended fluctuation analysis in the presurgical evaluation of epilepsy patients

Poster Presenter: Sami Auno, Finland

Neuroimaging

14:30 - 15:00

Station C

Digital Poster Presentation - Neuroimaging 3**Longitudinal, in-vivo functional and molecular imaging to visualize neurodevelopment from infantile to adult age in wild-type mice**

Poster Presenter: Charissa Millevert, Belgium

Widespread, depth-dependent microstructural damage in the cortex of children with drug resistant focal epilepsy: a quantitative T1 and T2 mapping study

Poster Presenter: Chiara Casella, United Kingdom

Functional seizures (FS) show abnormal relationships between neurite morphology and inflammatory biomarkers

Poster Presenter: Christina Mueller, USA

Reconstruction of 2D MRI for subcortical shape analysis in idiopathic generalised epilepsy

Poster Presenter: Corey Ratcliffe, United Kingdom

Estimated disease progression trajectory of white matter disruption in focal epilepsy: A data-driven machine-learning approach

Poster Presenter: Daichi Sone, Japan

Maldevelopment of U-fibers in Subcortical Band Heterotopia

Poster Presenter: Diogenes Santos Vilorio, Dominican Republic

¹⁸F-FDG-PET enhances surface-based MRI automated detection of bottom-of-sulcus dysplasia (BOSD)

Poster Presenter: Emma Macdonald-Laurs, Australia

Prevalence and clinical significance of paroxysmal slowing in epilepsy

Poster Presenter: Hamza Imtiaz, Canada

Functional magnetic resonance imaging for preoperative planning in pediatric epilepsy

Poster Presenter: Lisa Evju Hauger, Norway

Other

14:30 - 15:30

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ILAE Pharmacy section campfire

Pharmacist-clinician Collaboration in Epilepsy, Experiences from Israel

Speaker: Sara Eyal, Israel

Role of the Clinical Pharmacist Practitioner in a Veterans Administration Comprehensive Epilepsy Center

Speaker: Barry Gidal, USA

Experience from the Pharmacology Team at the National Center for Epilepsy in Norway

Speaker: Cecilie Johannssen Landmark, Norway

Role of Pharmacist in a Refractory Epilepsy Clinic

Speaker: Sunita Dergalust, USA

Other

15:00 - 16:30

Liffey Meeting Room 2

Wikipedia Workshop

Chair: Sándor Beniczky, Denmark

Chair: Nandan Yardi, India

Introduction

15:00 - 15:10

The ILAE Publication Landscape

15:10 - 15:20

Speaker: Jean Gotman, Canada

ILAE Wikipedia Epilepsy Project: A Prestigious project for the League

15:20 - 15:30

Speaker: Samuel Wiebe, Canada

Before and After edits

15:30 - 15:45

Speaker: Nandan Yardi, India

The Wikipedia editing process: Editing samples and collaborations

15:45 - 16:00

Speaker: Amin Azzam, USA

The Wikipedia editing process: My experience as a contributor

16:00 - 16:10

Speaker: Jonah Fox, USA

The AES Wikipedia task force

16:10 - 16:20

Speaker: Jaideep Kapur, USA

Closing

16:20 - 16:30

Basic science

15:00 - 15:30

Station A

Digital Poster Presentation - Basic science 4

Hippocampal T2 relaxation correlates with the levels of functional astroglial proteins in patients with mesial temporal lobe epilepsy

Poster Presenter: Laura Maria Guilhoto, Brazil

Selective medial septum lesions in normal rats induce longitudinal changes in microstructure of limbic regions, behavioral alterations, and increased susceptibility to status epilepticus

Poster Presenter: Luis Concha, Mexico

A role for the slow AMPA receptor in generating epileptiform activity?

Poster Presenter: Mark Cunningham, Ireland

Intracerebroventricular administration of anti-leucine-rich glioma inactivated-1 protein antibody increases seizure susceptibility and impairs memory in rats

Poster Presenter: Nihan Çarçak Yilmaz, Turkey

Suppressing microglial cells is a disease modifying intervention for comorbidities in the self-sustained status epilepticus mouse model of mesial temporal lobe epilepsy (MTLE)

Poster Presenter: Peravina Thergarajan, Australia

Inter-ictal epileptiform discharges are the most relevant marker of the epileptogenic zone in stereo-electroencephalography: a data-driven analysis

Poster Presenter: Petr Klimes, Czech Republic

Pathological paroxysmal slow wave events as a predictive and diagnostic biomarker of post-traumatic epilepsy

Poster Presenter: Pooyan Moradi, Canada

Sigma-1 as a target for antiseizure and disease-modifying effects? Impact of a positive modulator on kindling acquisition

Poster Presenter: Heidrun Potschka, Germany

Autoimmune epilepsy - in vivo evidence from animal models that patient's IgGs induce General Tonic Clonic Seizures, bind and kill neural cells

Poster Presenter: Rhoda Olowe, Israel

The atypical anticonvulsive mechanism of soticlestat characterized in animal models of epilepsy

Poster Presenter: Shinichi Kondo, Japan

Clinical Neurophysiology

15:00 - 15:30

Station B

Digital Poster Presentation - Clinical Neurophysiology 4

The different clinical and electrophysiological effects of Cannabidiol-enriched oils on adult patients with drug-resistant epilepsy

Poster Presenter: Inbal Maidan, Israel

Network changes in TLE during an auditory oddball paradigm using magnetoencephalography

Poster Presenter: Sanjib Sinha, India

Relationship between qEEG power spectral density, cognitive impairment and seizure frequency in drug-resistant temporal lobe epilepsy

Poster Presenter: Sofia Lallana Serrano, Spain

Periodic discharges (PDs) in patients with brain tumor pathology: clinical and electrophysiological features

Poster Presenter: Fedele Dono, Italy

An audit of EEG requests to an Irish tertiary hospital neurophysiology department

Poster Presenter: Stephen P. Klaus, Ireland

Delineating the dynamics of ictogenic and irritative zones using machine learning of interictal epileptiform discharges in paediatric stereo-electroencephalography

Poster Presenter: Stuart Smith, United Kingdom

The long-term outcomes of patients with a negative prolonged ambulatory EEG monitoring: a cross-sectional follow-up study

Poster Presenter: Sumika Ouchida, Australia

Relationship between cortical tuber MRI subtypes and interictal discharges in Tuberous Sclerosis Complex: a scalp EEG study

Poster Presenter: Kimura Masamune, Japan

Proper timing of an EEG after the first unprovoked seizure helps in predicting subsequent seizures

Poster Presenter: Tal Gilboa, Israel

Correlation between intraoperative EEG findings from the hippocampus and amygdala and postoperative outcomes in patients with medial temporal lobe epilepsy

Poster Presenter: Tomoyoshi Ota, Japan

Neuroimaging

15:00 - 15:30

Station C

Digital Poster Presentation - Neuroimaging 4

Value of PET /MRI co-registration in decision-making for patients with drug resistant epilepsy, Egyptian study

Poster Presenter: Nirmeen Kishk, Egypt

Association between capillary blood glucose levels and FDG-PET grey matter signal variation in patients with refractory epilepsy

Poster Presenter: J. Oliver Neal, Canada

Validation of automatic 3D segmentation of extratemporal surgical lacuna using ResectVol

Poster Presenter: Raphael Fernandes Casseb, Brazil

BOLD fMRI functional connectivity informed by interictal epileptiform discharges in high-risk and low-risk SUDEP epilepsy patients

Poster Presenter: Simona Scolastico, Italy

Patient perspectives on big data and artificial intelligence in epilepsy care

Poster Presenter: Sophie Adler, United Kingdom

Electrical source imaging of interictal epileptiform discharges is invariant to the vigilance state

Poster Presenter: Tamir Avigdor, Canada

The Bonn open presurgery MRI dataset of people with epilepsy and focal cortical dysplasia type II

Poster Presenter: Theodor Rüber, Germany

Volumetric gray matter findings in autonomic network regions of people with focal epilepsy

Poster Presenter: Theodor Rüber, Germany

A language task activates Mesial Temporal Lobe

Poster Presenter: William Theodore, USA

Epilepsy Surgery

15:30 - 16:30

Auditorium

Platform Session: Epilepsy Surgery 1

Chair: Donnacha O'Brien, Ireland

Chair: Lara Jehi, USA

Introduction

15:30 - 15:35

Are healthy brain regions tonically inhibiting seizure onset zones? The interictal suppression hypothesis in focal epilepsy

15:35 - 15:45

Speaker: Graham Johnson, USA

Predictors of seizure freedom/drug freedom after epilepsy surgery in a pediatric series	15:45 - 15:55
<i>Speaker:</i> Concetta Luisi, Italy	
Determinants of functional outcome after pediatric hemispherotomy	15:55 - 16:05
<i>Speaker:</i> Georgia Ramantani, Switzerland	
Timing for starting antiseizure medication withdrawal after epilepsy surgery in adults	16:05 - 16:15
<i>Speaker:</i> Carolina Ferreira Atuesta, USA	
All-cause mortality continues to decrease after successful resective epilepsy surgery – a long-term population-based study	16:15 - 16:25
<i>Speaker:</i> Cecilia Granthon, Sweden	
Closing	16:25 - 16:30

Status Epilepticus
15:30 - 16:30

Liffey A

Platform Session: Status Epilepticus

Chair: Marian Galovic, Switzerland

Introduction	15:30 - 15:35
Cytokines in patients with New-Onset Refractory Status Epilepticus (NORSE) predict outcomes	15:35 - 15:45
<i>Speaker:</i> Aurelie Hanin, USA	
Mortality and risk of epilepsy after acute symptomatic status epilepticus following ischemic stroke and an updated prognostic model (SeLECT 2.0)	15:45 - 15:55
<i>Speaker:</i> Michael Schubert, Switzerland	
Prediction of long-term epilepsy after new-onset status epilepticus	15:55 - 16:05
<i>Speaker:</i> Estevo Santamarina, Spain	
Machine learning prediction of seizure recurrence after status epilepticus	16:05 - 16:15
<i>Speaker:</i> Francesco Pasini, Italy	
Changes in synaptic dynamics underlies benzodiazepine resistance in paediatric status epilepticus	16:15 - 16:25
<i>Speaker:</i> Georgia Ramantani, Switzerland	
Closing	16:25 - 16:30

Basic science
15:30 - 16:30

Liffey B

Platform Session: Basic Science 2

Chair: Katja Kobow, Germany

Chair: Terence O'Brien, Australia

Introduction	15:30 - 15:35
The synergistic relationship between Alzheimer's Disease and recurrent seizures is mediated by dysregulated gliosis and reactivation of immediate-early genes <i>Speaker:</i> Anna Harutyunyan, Australia	15:35 - 15:45
Single cell transcriptomics and systems immunology approaches identifies pro-inflammatory immune mechanisms and potential drug targets in refractory epilepsy <i>Speaker:</i> Pavanish Kumar, Singapore	15:45 - 15:55
Changes in hippocampal neurotransmission and neuroinflammation caused by air pollution can predispose rats to epileptic seizures <i>Speaker:</i> Maria José da Silva Fernandes, Brazil	15:55 - 16:05
Circulating microRNA profiles distinguish epilepsy from seizure mimics in a hospital emergency department setting <i>Speaker:</i> Claire Behan, Ireland	16:05 - 16:15
Mutated neurons in mouse model of focal cortical dysplasia display different firing profile than healthy pyramidal cells <i>Speaker:</i> Minh Thao Nguyenova, Czech Republic	16:15 - 16:25
Closing	16:25 - 16:30
<i>Other</i> 15:30 - 16:30	Liffey Hall 2
Platform Session: Mixed Topics <i>Chair:</i> Roberto Caraballo, Argentina	
Introduction	15:30 - 15:35
Does maternal genetic liability to folate deficiency influence the risk of antiseizure medication-associated language impairment and autistic traits in children of women with epilepsy? <i>Speaker:</i> Marte-Helene Bjork, Norway	15:35 - 15:45
Visualizing the 2022 classification of epilepsy syndromes: an interactive teaching resource <i>Speaker:</i> Rima Nabbout, France	15:45 - 15:55
Personalized therapeutic management of epilepsy patients with metabolic breath analysis <i>Speaker:</i> Kathrin Muesch, Switzerland	15:55 - 16:05
Independent associations of incident epilepsy, enzyme-inducing, and non-enzyme-inducing antiseizure medications with the development of osteoporosis: a population-based analysis <i>Speaker:</i> Colin Josephson, Canada	16:05 - 16:15
Stimulation of the Thalamus for Arousal Restoral in Temporal Lobe Epilepsy (START) clinical trial	16:15 - 16:25

Speaker: Hal Blumenfeld, USA

Closing

16:25 - 16:30

Other

16:30 - 17:30

Forum

ILAE Neurotechnology - Clinical example case using imaging NT

Clinical example case using imaging NT

Speaker: Juan Pablo Princich, Argentina

Other

16:30 - 17:30

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ILAE Nursing section session

Adult Epileptology

17:00 - 18:00

Auditorium

Cases for the experts - An Irish challenge

Chair: Peter Widdess Walsh, Ireland

-

Speaker: Norman Delanty, Ireland

-

Speaker: Mary King, Ireland

-

Speaker: Terence O'Brien, Australia

-

Speaker: Andre Palmini, Brazil

-

Speaker: Lara Jehi, USA

Other

17:00 - 18:30

Liffey A

Beyond Ketogenic Diet: What metabolic system should be targeted for clinical intervention in epilepsy

Chair: Jennifer Dowling, Ireland

Chair: Detlev Boison, USA

Introduction: Ketogenic diet and beyond: what is on the horizon?

17:00 - 17:10

Speaker: Manisha Patel, USA

Patient Representative

17:10 - 17:20

Metabolic pathways to be debated - Adenosine

17:20 - 17:30

Speaker: Detlev Boison, USA

Metabolic pathways to be debated - Glucose

17:30 - 17:40

Speaker: Chris Dulla, USA

Metabolic pathways to be debated - Energetics and Lipids	17:40 - 17:50
<i>Speaker:</i> Manisha Patel, USA	
Metabolic pathways to be debated - Medium Chain Triglycerides	17:50 - 18:00
<i>Speaker:</i> Karin Borges, Australia	
What systems are in play?	18:00 - 18:10
<i>Speaker:</i> Jennifer Dowling, Ireland	
What are the tools for drug discovery?	18:10 - 18:20
<i>Speaker:</i> Mark Cunningham, Ireland	
Closing	18:20 - 18:30

Adult Epileptology
17:00 - 18:30

Liffey B

Acute symptomatic seizures: what is benign, what needs treatment?

Chair: Marian Galovic, Switzerland

Chair: Francesco Brigo, Italy

Introduction	17:00 - 17:05
Mechanisms of acute seizures following brain insults	17:05 - 17:25
<i>Speaker:</i> Asla Pitkänen, Finland	
Acute symptomatic seizures in cerebrovascular disease	17:25 - 17:45
<i>Speaker:</i> Marian Galovic, Switzerland	
Management of acute symptomatic seizures in the ICU	17:45 - 18:05
<i>Speaker:</i> Vineet Punia, USA	
To treat or not treat: interactive case based discussion on acute symptomatic seizures	18:05 - 18:25
<i>Speaker:</i> Francesco Brigo, Italy	
Closing	18:25 - 18:30

Epilepsy Surgery
17:00 - 18:30

Liffey Hall 1

When a patient with implanted electrodes should NOT be operated

Chair: Jean Gotman, Canada

Planning an implantation to maximize the chance of success	
<i>Speaker:</i> Philippe Kahane, France	
No operation if the seizure onset zone was missed, but how do we know it is missed?	
<i>Speaker:</i> Stanislas Lagarde, France	
No operation if the seizure onset zone is too widespread, but what is "widespread"?	
<i>Speaker:</i> Laura Tassi, Italy	
No operation if key interictal biomarkers are absent.	
<i>Speaker:</i> Birgit Frauscher, Canada	

Industry

17:00 - 17:45

Liffey Hall 2

Satellite Symposium*Other*

17:00 - 18:30

Wicklow Hall 1

MOGHE (Mild Malformation of Cortical Development with Oligodendroglial Hyperplasia in Epilepsy): A New Underdiagnosed Epileptic Brain Lesion*Chair:* Till Hartlieb, Germany*Chair:* Katja Kobow, Germany**SLC35A2 brain somatic mutations as a potential key to understand epileptogenicity in MOGHE.***Speaker:* Stephanie Baulac, France**Histopathological hallmarks and epigenetic background in MOGHE***Speaker:* Katja Kobow, Germany**EEG features in MOGHE – is there a recognizable or pathognomonic pattern?***Speaker:* Vadym Gnatkovsky, Germany**Oral D-Galactose supplementation in MOGHE - a pilot trial of precision medicine***Speaker:* Angel Aledo-Serrano, Spain*Social Issues*

17:00 - 20:00

Wicklow Hall 2

IBE Public Session*Chair:* Peter Murphy, Ireland**Complex and Rare Epilepsies: The past, the present, and the future***Speaker:* Kette Valente, Brazil**The cannabinoid story – what we have learned***Speaker:* Cecilie Johannssen Landmark, Norway*Speaker:* Finbar O'Callaghan, United Kingdom**The role of exercise in managing epilepsy***Speaker:* Halley Alexander, USA**Neuropsychological Interventions in newly diagnosed epilepsy***Speaker:* Gus Baker, United Kingdom**Seizure detection systems & devices – the current state of play***Speaker:* Sándor Beniczky, Denmark**When should surgery be considered?***Speaker:* Guy McKhann, USA

Neurostimulation

18:30 - 19:00

Station A

Digital Poster Presentation Neurostimulation 1**Vagus nerve stimulation in elderly with epilepsy***Poster Presenter:* David Apel, Germany**Investigational microburst vagus nerve stimulation: safety and efficacy outcomes***Poster Presenter:* Cornelia Drees, USA**ANT-DBS in refractory epilepsy: a single-center experience***Poster Presenter:* Evy Cleeren, Belgium**Music in brain. Intracerebral study in patients with epilepsy***Poster Presenter:* Ivan Rektor, Czech Republic**Prediction of vagal nerve stimulation based on invasive EEG analysis in drug-resistant epilepsy***Poster Presenter:* Irena Dolezalova, Czech Republic**Effectiveness of continuous theta burst transcranial magnetic stimulation targeting cerebellar dentate nucleus in patients with drug-resistant epilepsy: a randomised, controlled, double-blind, crossover clinical trial***Poster Presenter:* Wen Jiang, China**Real-world data on deep brain stimulation of the anterior nucleus of the thalamus for drug-resistant epilepsy using a continuous stimulation setting***Poster Presenter:* Ricardo Morcos, Spain**Longitudinal assessment of executive functions following vagus nerve stimulation therapy by using EpiTrack in patients with drug-resistant epilepsy***Poster Presenter:* Niina Lähde, Finland**A global survey of practice habits for the management of vagus nerve stimulation therapy***Poster Presenter:* Massimiliano Boffini, United Kingdom

Other

18:30 - 19:00

Station B

Digital Poster Presentation - Genetics & Basic Science**Introduction**

18:30 - 18:33

MBOAT7-encephalopathy: characterizing the epileptology

18:33 - 18:35

Poster Presenter: Sebastian Ortiz De la Rosa, Denmark**A novel mutation in *CACNA1A* gene in a child with developmental and epileptic encephalopathy manifested by neonatal-onset refractory seizures and atypical Rett syndrome phenotypes**

18:35 - 18:37

Poster Presenter: Eun-Hee Kim, South Korea

Yield of GATOR1 gene sequencing in a Serbian focal epilepsy cohort	18:37 - 18:39
<i>Poster Presenter:</i> Maša Kovačević, Serbia	
Navigating through SCN8A-related epilepsy: a new genotype phenotype description requiring a long-term treatment with high levels of carbamazepine	18:39 - 18:41
<i>Poster Presenter:</i> Maria Giovanna Ruggiu, Italy	
Characterizing the <i>ATP6V0C</i> epilepsy phenotype: a new gene associated with genetic epilepsy with febrile seizures plus spectrum	18:41 - 18:43
<i>Poster Presenter:</i> Ricardo Morcos, Spain	
Dravet syndrome: clinical manifestations in older adults and effects of contraindicated medications use	18:43 - 18:45
<i>Poster Presenter:</i> Quratulain Zulfiqar Ali, Canada	
Circular RNAs diurnal oscillation during epileptogenesis in mice	18:45 - 18:47
<i>Poster Presenter:</i> Radharani Benvenuti, Ireland	
A SCN2A loss-of-function variant causing early infantile onset encephalopathy	18:47 - 18:49
<i>Poster Presenter:</i> Antonella Riva, Italy	
The clinical and genetic spectrum of <i>TRIO</i>-gene related neurodevelopmental disorder	18:49 - 18:51
<i>Poster Presenter:</i> Trine Bjørg Hammer, Denmark	
The molecular mechanisms involved in Dravet syndrome rhythmicity	18:51 - 18:53
<i>Poster Presenter:</i> Sujithra Srinivas, Ireland	
The impact of a pre-existing <i>Toxoplasma gondii</i> infection in a self-sustained electrical status epilepticus mouse model of mesial temporal lobe epilepsy	18:53 - 18:55
<i>Poster Presenter:</i> Tamara L. Baker, Australia	
Q&A	18:55 - 19:00

Other

18:30 - 19:00

Station C

Digital Poster Presentation - Mixed 2

Intact default-mode network and unimodal-transmodal integration in the isolated and connected hemispheres after hemispherotomy

Poster Presenter: Tobias Bauer, Germany

A novel geometry-based analysis of hippocampal morphometry in mesial temporal lobe epilepsy

Poster Presenter: Tobias Bauer, Germany

Blood-brain barrier dysfunction in piriform cortex, amygdala and hippocampus in Temporal Lobe Epilepsy using quantitative

MRI

Poster Presenter: Tobias Bauer, Germany

Concordance between interictal and ictal EEG-fMRI BOLD responses in patients with malformation of cortical development

Poster Presenter: Zaida Lisbeth Rojas Cheje, Brazil

Circadian-related Cortical Dynamics in Juvenile Myoclonic Epilepsy (JME) using Transcranial Magnetic Stimulation coupled with Electroencephalography (TMS-EEG)

Poster Presenter: Charlotte Ravenscroft, United Kingdom

Neuropsychological outcome in focal cortex stimulation for the treatment of patients with refractory focal epilepsy

Poster Presenter: Yaroslav Winter, Germany

High frequency functional connectivity resembles CCEP-based network in the human mesial temporal lobe in intracerebral EEG

Poster Presenter: Yulia Novitskaya, Germany

MALDI imaging mass spectrometry as a new tool for molecular histology in epilepsy surgery

Poster Presenter: Rita Garbelli, Italy

Hemispherotomy - evolution from a maximally invasive procedure to a bloodless surgery: robotic thermocoagulative hemispherotomy

Poster Presenter: P Sarat Chandra, India

Paediatric Epileptology

19:00 - 19:40

Station A

Digital Poster Presentation - Paediatric Epileptology & Mixed**Generalized tonic and tonic-clonic seizures in the first year of life: are they truly generalized and correlated with the epileptic syndrome?**

Poster Presenter: Marta Conti, Italy

PRAX-562-102: a phase 1 trial evaluating the safety, tolerability, pharmacokinetics and pharmacodynamics of PRAX-562 in healthy volunteers

Poster Presenter: Steven Petrou, USA

PRAX-562-101: a first-in-human Phase 1 trial evaluating the safety, tolerability, pharmacokinetics and food effect of PRAX-562 in healthy volunteers

Poster Presenter: Steven Petrou, USA

Investigation of some biomarkers in paediatric patients with seizures and underlying neurodegenerative, metabolic diseases and structural epilepsy

Poster Presenter: Oksana Globa, Russian Federation

EPISTOP clinical trial data set re-use with statistical

**methodologies tailored for clinical trials in rare diseases
(EPISTOP IDEAL)**

Poster Presenter: Rima Nabbout, France

Case report: cannabidiol in migrating focal epilepsy with SNC1A mutation

Poster Presenter: Roberta Vittorini, Italy

Etiological and clinical spectrum of Developmental and/or Epileptic Encephalopathy with spike-wave activation in sleep (D/EE-SWAS) – tertiary center experience in a cohort of 43 children

Poster Presenter: Ruzica Kravljanc, Serbia

Ketogenic diet in nonketotic hyperglycinemia in a Colombian hospital: outcomes of 10 years retrospective review

Poster Presenter: Sandra Mesa, Colombia

Risk factor analysis for safe discontinuation of anti-seizure medication in children with epilepsy

Poster Presenter: Min-Jee Kim, South Korea

A web app based screening tool for social cognition in people with epilepsies

Poster Presenter: Rebecca Johannessen, Switzerland

Epi-Space – cognitive and psychosocial consequences of epilepsy in young adults

Poster Presenter: Tina Edstoft Kristensen, Denmark

Twelve-month analysis of BUTTERFLY: an observational study to investigate cognition and other non-seizure comorbidities in children and adolescents with Dravet syndrome (DS)

Poster Presenter: Elaine Wirrell, USA

Initial experience with cenobamate as a treatment option for patients with drug-resistant focal epilepsy in a reference centre for epilepsy surgery

Poster Presenter: Alvaro Juiz Fernandez, Spain

Epilepsy in Resource-restricted Settings
19:00 - 19:40

Station B

Digital Poster Presentation - Epilepsy in Resource-restricted Settings & Pandemic Response & Mixed**Implementation of “recommendations for treatment strategies in people with epilepsy during times of shortage of antiseizure medications” in routine clinical practice in Kharkiv region**

Poster Presenter: Andriy Dubenko, Ukraine

Resource limitations in general practice and family medicine

Poster Presenter: Henry W Smithson, Ireland

Improving detection and management of suspected epilepsy cases at primary healthcare in a rural African setting: a stepped

wedge cluster randomised trial

Poster Presenter: Mary A. Bitta, Kenya

Exploration of dieticians' knowledge and perceptions regarding Ketogenic dietary therapy utilization in Kenya

Poster Presenter: Pauline Samia, Kenya

The initial treatment in convulsive status epilepticus in China: a multi-center observational study

Poster Presenter: Wei Peng, China

Prescription pattern in a middle-income country: reasons for concern

Poster Presenter: Rachel Carvalho, Brazil

The feasibility of a philanthropic system as a global solution to help reduce the epilepsy treatment gap in developing countries

Poster Presenter: Stephen Coates, United Kingdom

A clinical algorithm to separate focal and generalised epilepsy

Poster Presenter: Victor Patterson, United Kingdom

Online vs. in-person seminars of the educational treatment programme for patients with epilepsy (MOSES) during the Covid-19 pandemic in Germany: a comparative analysis

Poster Presenter: Brigitte Scheid, Germany

Seizure following COVID-19 vaccines in patients with epilepsy (PwE): a systematic review and meta-analysis

Poster Presenter: Churl-Su Kwon, USA

Increased incidence of PNES during COVID-19 outbreak: impact of a pandemic

Poster Presenter: Ajith Cherian, India

Examining patient and provider engagement with an epilepsy self-management program targeting cognitive dysfunction during the COVID-19 pandemic

Poster Presenter: Elaine Kiriakopoulos, USA

Intracerebral high-frequency oscillations and Mozart's music

Poster Presenter: Martin Pail, Czech Republic

Increased source-reconstructed functional connectivity in adults after a first unprovoked seizure

Poster Presenter: Marysol Segovia Oropeza, Germany

Comorbidities

19:00 - 19:40

Station C

Digital Poster Presentation - Comorbidities & Epidemiology**Collaborative care in post-traumatic epilepsy (CoCarePTE): design of a randomized hybrid effectiveness-implementation trial for anxiety and depression**

Poster Presenter: Heidi Munger Clary, USA

Development of international standard sets of outcome measures for infants, children, adolescents and adults with epilepsy in clinical practice: the International Consortium for Health Outcomes Measurement consensus recommendations

Poster Presenter: James Mitchell, United Kingdom

Adverse effect profiling of persons with epilepsy in a tertiary care centre using LAEP scale: correlation with co-morbid depression

Poster Presenter: Jatinder Katyal, India

Detection of cognitive impairment in patients with epilepsy through MoCA test and correlation with years with epilepsy in a sample of Mexican patients

Poster Presenter: Mitzel Perez-Careta, Mexico

Protective effects of melatonin in a rat model of post-stroke epilepsy

Poster Presenter: Yiting Guo, Hong Kong SAR, China

Two and half decades of community directed treatment with ivermectin for onchocerciasis control in Mahenge, an area endemic for epilepsy: where do we stand?

Poster Presenter: Vivian Mushi, Tanzania

Prediction of idiopathic epilepsy in India by artificial neural network using different global burden of disease predictors

Poster Presenter: Yajnaseni Dash, India

Application of machine learning for idiopathic epilepsy prediction in India based on environmental heat and cold exposure

Poster Presenter: Yajnaseni Dash, India

The incidence of Sudden Unexpected Death in Epilepsy (SUDEP) in Ireland

Poster Presenter: Yvonne Langan, Ireland

A case of Subacute Encephalopathy with Seizures in Alcoholics (SESA) presenting with non-convulsive status epilepticus

Poster Presenter: Esther Macken, Ireland

Analysis of clinical features and EEG characteristics of critically ill anti-NMDA receptor encephalitis

Poster Presenter: Meigang Ma, China

The Seizure Termination Project: expert consensus recommendations for the rapid termination of seizure emergencies

Poster Presenter: Eugen Trinkla, Austria

Wednesday, 06. September 2023*Terminology and Classification*

08:00 - 09:30

Liffey A

A multi-layered and integrative classification scheme for FCD: the ILAE consensus classification update 2022*Chair:* Ingmar Blümcke, Germany**Introduction** 08:00 - 08:05**Layer 1: Histopathology subtypes of FCD according to the classification update 2022** 08:05 - 08:25*Speaker:* Ingmar Blümcke, Germany**Layer 2: When and how to apply neurogenetic testing in surgical tissue specimens of FCD** 08:25 - 08:45*Speaker:* Dennis Lal, USA**Layer 3: How to report and integrate neuroimaging findings of FCD** 08:45 - 09:05*Speaker:* Fernando Cendes, Brazil**Why, how and when to build an integrated diagnosis of FCD** 09:05 - 09:25*Speaker:* Imad Najm, USA**Closing** 09:25 - 09:30*Neuroimaging*

08:00 - 09:30

Liffey B

VIREPA Paediatric EEG & VIREPA MRI*Chair:* Monika Eisermann, France*Chair:* Stefan Rampp, Germany**VIREPA MRI***Speaker:* Stefan Rampp, Germany**Virepa Paediatric EEG Course: what and how we teach you online***Speaker:* Monika Eisermann, France*Epilepsy and Intellectual Disability*

08:00 - 09:30

Liffey Hall 1

Case studies in intellectual disability & epilepsy: What would you do?*Chair:* Christine Linehan, Ireland**Epilepsy and intellectual disability: the lived experience***Speaker:* Christine Linehan, Ireland**Epilepsy and Intellectual Disability: Complications due to behaviours that challenge***Speaker:* Francesca Snoeijen-Schouwenaars, Netherlands**Epilepsy and intellectual disability: Antiseizure medication options**

Speaker: Vicente Villanueva, Spain

Epilepsy and intellectual disability: Risk of SUDEP

Speaker: Rohit Shankar, United Kingdom

Epilepsy in Emergencies

08:00 - 09:30

Liffey Hall 2

When your world falls apart: Providing care to people with epilepsy in emergencies, crises, and disasters

Chair: Timothy Welty, USA

Introduction to Session and the Problem of Emergency Response

Speaker: Timothy Welty, USA

Plans for Responding to Emergency Situations

Speaker: Ali Asadi-Pooya, Iran

Working with Government and Nongovernment Organizations

Speaker: Petra Straight, New Zealand

Neuroimaging

08:00 - 09:30

Wicklow Hall 2

Recent advances in normative mapping for epilepsy research and treatment

Chair: Yujiang Wang, United Kingdom

Normative mapping in intracranial EEG

Speaker: Birgit Frauscher, Canada

Normative mapping in across MEG and EEG

Speaker: Peter Taylor, United Kingdom

Normative mapping in MRI

Speaker: Simon Keller, United Kingdom

Normative mapping across measures and modalities

Speaker: Jonathan Horsley, United Kingdom

Clinical Neurophysiology

09:30 - 11:30

Liffey A

Evaluating drug resistance, surgical timing, and post-operative medications

Chair: Nirmeen Kishk, Egypt

Chair: Tatiana von Hertwig, Brazil

Introduction

09:30 - 09:35

Case presentation

09:35 - 09:45

Speaker: Nirmeen Kishk, Egypt

Defining and predicting medication resistance

09:45 - 10:10

Speaker: Patrick Kwan, Australia

Surgical decision trees

10:10 - 10:35

Speaker: Guy McKhann, USA

Timing of post-operative medication wean	10:35 - 11:00
<i>Speaker:</i> Laura Tassi, Italy	
Case conclusion and Group Discussion	11:00 - 11:25
<i>Speaker:</i> Nirmeen Kishk, Egypt	
Closing	11:25 - 11:30

Neuropsychology
11:30 - 12:30

Liffey A

Platform Session Neuropsychology*Chair:* Sallie Baxendale, United Kingdom*Chair:* Aimee Dollman, South Africa

Introduction	11:30 - 11:35
Neuropsychological outcomes following stereo-EEG radiofrequency thermocoagulation	11:35 - 11:45
<i>Speaker:</i> Emily Cockle, Australia	
Developmental trajectories in Developmental and Epileptic Encephalopathies	11:45 - 11:55
<i>Speaker:</i> Tommaso Lo Barco, Italy	
Abnormal metabolic patterns revealed by ¹H MR spectroscopy associate with cognitive findings in progressive myoclonus type 1 (EPM1) patients	11:55 - 12:05
<i>Speaker:</i> Jelena Hyppönen, Finland	
Prevalence and risk factors for anxiety and depression in adult patients with epilepsy: a multicenter survey-based study	12:05 - 12:15
<i>Speaker:</i> Wenyan Shi, China	
The wellbeing neuro course: a randomized controlled trial of an internet-delivered transdiagnostic psychological intervention for adults with epilepsy and other neurological disorders	12:15 - 12:25
<i>Speaker:</i> Milena Gandy, Australia	
Closing	12:25 - 12:30

Epilepsy Surgery
11:30 - 12:30

Liffey B

Platform Session Epilepsy Surgery 2*Chair:* Samuel Wiebe, Canada*Chair:* P Sarat Chandra, India

Introduction	11:30 - 11:35
A spatial perturbation framework to validate intracranial electroencephalogram implantation of the epileptogenic zone	11:35 - 11:45
<i>Speaker:</i> Kassem Jaber, Canada	
Personalized whole brain network modelling on virtual epilepsy surgery	11:45 - 11:55

Speaker: Huifang Wang, France

Pathways to epilepsy surgery in a cohort of 85 children with epilepsy associated with tuberous sclerosis complex 11:55 - 12:05

Speaker: Lucas Gauer, France

Clinical yields of ultra-long sub-cutaneous EEG monitoring in drug-resistant focal epilepsies 12:05 - 12:15

Speaker: Guido Rubboli, Denmark

Clinical information informs automated detection of focal cortical dysplasia 12:15 - 12:25

Speaker: Lennart Walger, Germany

Closing 12:25 - 12:30

Genetics

11:30 - 12:40

Liffey Hall 2

Platform Session Genetics 2

Chair: Kathleen Gorman, Ireland

Chair: Andreas Brunklaus, United Kingdom

Introduction 11:30 - 11:35

Clinical phenotypes of patients with *GABRG2* loss-of-function and gain-of-function variants 11:35 - 11:45

Speaker: Alessandra Rossi, Denmark

Somatic mutations as a cause of drug-resistant epilepsy including hippocampal sclerosis 11:45 - 11:55

Speaker: Michael Doyle, Ireland

Natural history and adult phenotype of *SYNGAP1*-DEE 11:55 - 12:05

Speaker: Quratulain Ali, Canada

Variants in *SLCO5A1* and synaptic assembly genes contribute to impulsivity in juvenile myoclonic epilepsy: genome wide association study 12:05 - 12:15

Speaker: Deb K. Pal, United Kingdom

Analysis of more than 90,000 diagnostic tests in people with epilepsy identifies the age of seizure onset-specific epilepsy-associated genes 12:15 - 12:25

Speaker: Alina Ivaniuk, USA

Developmental and epileptic encephalopathies associated with gain-of-function *GABRB3* variants are more severe than those with loss-of-function 12:25 - 12:35

Speaker: Philip K. Ahring, Australia

Closing 12:35 - 12:40

Other

12:30 - 13:30

Liffey A

Epilepsy Quiz Final*Other*

13:30 - 15:00

Liffey B

Congress Highlights Session*Chair:* J Helen Cross, United Kingdom*Chair:* Francesca Sofia, Italy**Neurosurgery Highlights***Speaker:* Dario Englot, USA*Speaker:* Arthur Cukiert, Brazil**Paediatric Highlights***Speaker:* Kette Valente, Brazil**Clinical Highlights***Speaker:* Nirmeen Kishk, Egypt**Neurobiology Highlights***Speaker:* David Henshall, Ireland**Psychology Highlights***Speaker:* Sallie Baxendale, United Kingdom