ACKNOWLEDGEMENTS

The Scientific and Organising Committee would like to thank the following people for their contribution towards the congress programme.

Educational Programme Committee

Coordinator
Walter Van Emde Boas (Netherlands)

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Çigdem Ozkara (Turkey)
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Sándor Beniczky (Denmark)

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Eugen Trinka (Austria)
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Matthew Walker (United Kingdom)
Jo Wilmshurst (South Africa)
Maeike Zijlmans (Netherlands)
Sameer Zuberi (United Kingdom)

Bursary Selection Committee

Athanasios Covavis (Greece)
Emilio Perucca (Italy)
GENERAL INFORMATION

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Athanasios Covanis (Greece)
Antonio Russi (Spain)

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Sari Tervonen (Finland)  Rafal Nowak (Spain)
Shinichi Hirose (Japan)  Sheryl Haut (USA)
Rima Nabbout (France)

Educational Programme Committee

Coordinators
Walter Van Emde Boas (Netherlands)
Alla Guekht (Russia)
Çigdem Ozkara (Turkey)
Marco De Curtis (Italy)
Sándor Beniczky (Denmark)

Ex Officio members
Athanasios Covanis (Greece)
Emilio Perucca (Italy)
Sam Wiebe (Canada)

WELCOME MESSAGE FROM THE ORGANISING COMMITTEE

Dear Friends and Colleagues,

On behalf of the Organising Committee, it is our pleasure to welcome you to the 32nd International Epilepsy Congress (IEC) in Barcelona, September 2nd – 6th, 2017. This congress is organised jointly by the International League Against Epilepsy (ILAE) and the International Bureau for Epilepsy (IBE).

The International Epilepsy Congress is a major biennial event and a recognised landmark in the calendar of epilepsy specialists worldwide. The congress, which is held in the prestigious Palau de Congressos de Catalunya, gives delegates from all over the world the chance to come together with fellow researchers, clinicians and health care practitioners. The scientific programme is highly engaging, with a wide range of main and parallel sessions, as well as teaching sessions, debates, multidisciplinary conferences and video sessions.

Barcelona is one of the top cities in Europe and the world in terms of hosting international conferences. Visiting the different corners of Barcelona is an authentic journey through time – over 2000 years of history, with Roman ruins, Gothic treasures and surprises from the Renaissance age. The creative flair of Picasso, Miró, Dalí, Gaudí and Tàpies is very much part of the city today and this is reflected in the buildings, exhibitions, and the design and art that are found in the most unexpected places. The city’s character is truly Mediterranean, with a cosmopolitan and dynamic spirit and we hope you get to enjoy some of what the city has to offer while you are here.

We look forward to meeting you all in this wonderful city.

With warm regards,

Emilio Perucca, Athanasios Covanis & Antonio Russi
Co-chairs of the 32nd IEC Scientific and Organising Committee

www.epilepsybarcelona2017.org
WELCOME MESSAGE FROM BARCELONA CONVENTION BUREAU

Dear attendees,

It is a great pleasure for the City of Barcelona and the Barcelona Convention Bureau to welcome the 32nd International Epilepsy Congress and its delegates.

Barcelona has become one of the most attractive and trendy destinations in Europe both for professional, travel and leisure and has a long tradition in hosting international meetings.

My team and I wish you a successful congress and we do hope that you will find time to enjoy our wonderful city, its culture and gastronomy.

Mr. Christoph Tessmar
Director
Barcelona Convention Bureau

CONGRESS INFORMATION

FACILITIES TIMETABLE OVERVIEW

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<thead>
<tr>
<th></th>
<th>Saturday</th>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
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<tr>
<td>Registration</td>
<td>09:00-19:15</td>
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<tr>
<td>Posters</td>
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<td>10:30-17:30</td>
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<tr>
<td>Poster Tours</td>
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<td>14:00-15:00</td>
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<td>09:00-16:30</td>
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</tr>
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<td>13:00-20:15</td>
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<td>09:00-18:30</td>
<td>07:30-12:30</td>
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<td>07:30-18:30</td>
<td>07:30-18:30</td>
<td>07:30-18:30</td>
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</tbody>
</table>

CERTIFICATES OF ATTENDANCE
Certificates of Attendance may be collected from the Registration Area from Monday 4th September onwards during registration opening hours.

CLOAKROOM
The cloakroom is located on Level -1 of the congress centre. The cloakroom is free of charge for congress participants. Opening times can be found in the Facilities Timetable Overview.

www.epilepsybarcelona2017.org
CME ACCREDITATION
The 32nd International Epilepsy Congress is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.uems.net.

The 32nd International Epilepsy Congress is designated for a maximum of 24 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada.

CONGRESS APP
A free congress app “IEC 2017” is available for Apple, Windows and Android devices.

A session planner can be downloaded from the app, which will provide access to all scientific sessions information such as date, times and content. This planner will also assist delegates with the planning of their schedules.

COFFEE BREAKS
Morning Coffee Breaks will be served Sunday to Wednesday in the Exhibition Area, on the Level 0 of the convention centre. Lunches will also be served Sunday to Tuesday in the Exhibition Area.

CONGRESS BAGS
Congress bags may be collected from the Registration Area located on the Level 0 of the congress centre.

CONGRESS SECRETARIAT
Members of the Congress Secretariat may be contacted at any time at the Registration Area. For queries arising after the congress, please contact:

Tel: +353 1 2056720 | Email: barcelona@epilepsycongress.org

EXHIBITION AREA
The Exhibition Area is situated on the Level 0 of the Palau de Congressos de Catalunya. Exhibition opening times are listed in the Facilities Timetable Overview.

IBE GENERAL ASSEMBLY
The IBE General Assembly will take place on Tuesday 6th September from 15:30 to 18:30 in Room E3/E4/E5 on Level -1.

The IBE General Assembly is open to IBE Chapter representatives only and all representatives are invited to attend. Some refreshments will be provided.

ILAE GENERAL ASSEMBLY & CHAPTER CONVENTION
The ILAE General Assembly will take place on Tuesday 6th September from 16:30 to 17:30 in Room F on Level -1. The ILAE General Assembly is open to ILAE Chapter representatives only and all representatives are invited to attend.

The ILAE Chapter Convention will take place on Saturday 2nd September from 10:00 to 13:00 on Level -1. The ILAE Chapter Convention is open to invited representatives only.

INTERNET CENTRE
The Internet Centre is situated on Level -1 of the congress centre.

www.epilepsybarcelona2017.org
LANGUAGE
The official language of the congress is English; please note that translation facilities are not provided.

LIABILITY AND INSURANCE
The International League Against Epilepsy (ILAE) and the International Bureau for Epilepsy (IBE) and their agents do not accept any liability whatsoever for death, personal injury, accidents, theft, loss or damage to persons, property or belongings of participants or accompanying persons, either before, during or following the congress, tours or their stay in Barcelona. It is therefore recommended that participants arrange their own personal health, accident and travel insurance.

POSTERS
Posters are exhibited in the Poster Area located on Level -1 of the congress centre. Posters are on display from 10:30 to 17:30, Sunday to Tuesday, with different posters presented each day. Poster presenters are required to set up their posters between 09:30 and 10:30 each morning. Posters must be removed each evening between 17:30 and 18:30.

REGISTRATION
The Registration Area is located on the Level 0 of the congress centre. Please note that name badges must be worn at all times.

SPEAKERS’ ROOM
The Speakers’ Room is located on Level -1 of the main congress building. Opening times are listed on the Facilities Timetable Overview. Facilities to review and amend presentations are available to all speakers and technical assistance will also be provided in this room.

Please note that all speakers should submit their final PowerPoint presentation(s) to the Speakers’ Room no less than 3 hours in advance of their session. Speakers at early morning sessions are required to submit their material no later than 17:00 on the evening before their session is scheduled.

WELCOME CEREMONY AND RECEPTION
All delegates are invited to attend the Welcome Ceremony which takes place from 19.00 to 20.00 on Saturday 2nd September in the Congress Hall. The ceremony will open with welcomes from ILAE and IBE representatives as well as the congress committee. This will be followed by the Awards Ceremony, which will consist of the presentations of the Ambassador for Epilepsy Awards, the Social Accomplishment Award and the Lifetime Achievement Award. The three following awards will also be acknowledged during the ceremony, and their presentations will take place during the Award Symposium each day, Saturday to Tuesday: Michael Prize, The Epilepsia Clinical Science Prize, The Epilepsia Basic Science Prize and the Epileptic Disorder Award.

All delegates are invited to join a Welcome Reception which will be held on the grounds in the Garden Restaurant.

WHEELCHAIR ACCESS
The congress centre is wheelchair accessible and assistance will be provided onsite to any wheelchair user.

WIFI
Free WIFI is available in the venue for the duration of the congress to registered delegates.

Network name: epilepsycongress2017
Password: 32iec2017
GENERAL INFORMATION

CONGRESS CENTRE LAYOUT

LEVEL 0

LEVEL -1

REGISTRATION AREA
SESSION ROOMS
EXHIBITION HALL
BUSINESS MEETINGS
SPEAKERS' ROOM
POSTER AREA

REGISTRATION AREA
SESSION ROOMS
EXHIBITION HALL
BUSINESS MEETINGS
SPEAKERS' ROOM
POSTER AREA

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GENERAL INFORMATION

BARCELONA TRANSPORT INFORMATION

Barcelona is a large city, but the modern and extensive public transport system allows you to get anywhere within the city in no time. Metro, buses and trams run very frequently until late at night. In addition to this, there are several cable cars, funiculars, railways, taxis, local trains, night buses and other transport systems.

Getting to Barcelona city from the airport:

- Metro: L9 Sud
- Express bus: Aerobus
- Conventional bus: number 46
- Night buses: Nit Bus

Getting around Barcelona:

Barcelona and its metropolitan area have a wide range of public transport options.

Metro, tram and bus are the quickest, simplest and most convenient way of getting around Barcelona.
AWARDS

Congress Awards

The IBE/ILAE congress awards are presented biennially at the time of the International Epilepsy Congress, to honour individuals who have made significant contributions, over a long period of time and at international level, in the field of epilepsy. There are three categories: Ambassador for Epilepsy – presented to a maximum of 13 recipients; Social Accomplishment, presented to one individual; and the highest honour, Lifetime Achievement Award which, as its name implies, recognises a lifetime of achievement of an individual.

Lifetime Achievement Award

This is the highest award bestowed by IBE/ILAE and is given to an individual to recognise his or her exceptional and outstanding personal contribution over a long period of time to activities to advance the cause of epilepsy.

Presented to: Charlotte Dravet (France)

Although especially known for the epilepsy syndrome that bears her name, Prof Dravet made impressive contributions to our understanding of the clinical and electrophysiological correlates of epilepsy syndromes of childhood. Her textbook *Epileptic Syndromes in Infancy, Childhood and Adolescence*, which she co-edited, has been updated many times over two decades and represents, to this day, a reference book for both students and epileptologists alike. She has mentored many trainees who have later become leading epileptologists, particularly in Europe and Latin America.

In addition to her clinical expertise and research achievements, Prof Dravet is known worldwide for her humble attitude, tireless work and dedication to the epilepsy mission, including her support to the many lay associations, some made up of families of children with Dravet syndrome, which advocate for better care for children with epilepsy. She has produced many publications for the lay community, particularly parents of children with epilepsy, to help them cope with aspects of the disease.

Social Accomplishment Award

Every two years, one person who has carried out outstanding activities aimed at improving the social circumstances of people with epilepsy, over a long period of time, is recognised.

Presented to: Susan Axelrod (USA)

In 1998, Axelrod and two other mothers, frustrated with their inability to protect their children from the devastation of seizures and side effects of medications, spearheaded the search for a cure for epilepsy. Axelrod launched a nonprofit organization that has established a national and international presence in epilepsy awareness and research.

Under Axelrod’s leadership, CURE has led a dramatic shift in the epilepsy research community from simply treating seizures to enhancing understanding of underlying mechanisms and causes, so that cures and preventative strategies can be found. CURE’s research program is cutting-edge, dynamic and responsive to new scientific opportunities and directions through both investigator-initiated grants and unprecedented scientific programs and initiatives and the exploration of new areas in the quest to find answers. CURE has also funded landmark conferences, including the 2000 National Institutes of Health (NIH) Conference, Curing Epilepsy: Focus on the Future.

Ambassador for Epilepsy Award

The Ambassador for Epilepsy Award is the oldest IBE/ILAE award, having been introduced in 1968. To date, a total of 312 worthy recipients have received an Ambassador pin to reflect international peer recognition and which is given for the lifetime of the recipient. Thirteen Ambassadors will be presented with their awards in Barcelona.

Galo Pesantez Cuesta (Ecuador)
Parthasarthy Satishchandra (India)
Ivan Rektor (Czech Republic)
Samuel Wiebe (Canada)
Sameer Zuberi (United Kingdom)

Presentation of Awards

The Ambassador for Epilepsy Awards, together with the Social Accomplishment and Lifetime Achievement Awards will be presented to these most deserving recipients during the Welcome Ceremony of the congress in Barcelona on Saturday 2nd September 2017.

www.epilepsybarcelona2017.org
AWARDS

Epilepsia Clinical Science Prize

The Epilepsia Clinical Science Prize is awarded to the first author of an original research article published in Epilepsia during the period from 1st January to 31st December in any one calendar year which, in the opinion of the Awards Committee, has contributed to the most significant advancement of knowledge and understanding in clinical science in the field of epilepsy.

Recipient: Sarah Weckhuysen (Belgium)
The Award will be acknowledged during the Welcome Ceremony on Saturday 2nd September, and the winning paper will be presented during the Awards Symposium on Sunday 3rd September from 15:00 to 15:30 in Room F.

Epilepsia Basic Science Prize

The Epilepsia Basic Science Prize is awarded to the first author of an original research article published in Epilepsia during the period from 1st January to 31st December in any one calendar year which, in the opinion of the Awards Committee, has contributed to the most significant advancement of knowledge and understanding in basic science in the field of epilepsy.

Recipient: Tiwalade Sobayo (USA)
The Award will be acknowledged during the Welcome Ceremony on Saturday 2nd September, and the winning paper will be presented during the Awards Symposium on Monday 4th September from 15:00 to 15:30 in Room F.

Epileptic Disorders Educational Prize

The Epileptic Disorders Educational Prize is awarded to the first author of a contribution published in Epileptic Disorders during the period from 1st January to 31st December in any one calendar year, which in the opinion of the Awards Committee has made the most significant contribution to the educational mission of Epileptic Disorders. Papers are nominated by the Associate Editors and members of the Editorial Board, and the final selection is made by the Editor in Chief along with the ILAE President.

Recipient: Hiroko Ikeda (Japan)
The Award will be acknowledged during the Welcome Ceremony on Saturday 2nd September, and the winning paper will be presented during the Awards Symposium on Tuesday 5th September from 15:00 to 15:30 in Room F.

Michael Prize

Presented biennially, this prize was originally set up in 1963 to stimulate epilepsy research among young scientists in Germany. It is now one of the most highly regarded international awards for the best contribution to scientific and clinical research which promote further development in epileptology.

Recipient: Boris Christian Bernhardt (Canada)
The Award will be acknowledged during the Welcome Ceremony on Saturday 2nd September and the winning paper will be presented during the Awards Symposium on Saturday 2nd September from 14:30 to 15:00 in Room H1.

Harinarayan Young Neuroscientist Award

The Harinarayan Young Neuroscientist Award is designed to encourage and reward young (under 35 years of age) basic science investigators committed to epilepsy research. This new award, issued in 2017, is endowed by the ILAE Neurobiology Commission and is generously supported by a donation from the Harinarayan Family.

More information in relation to the Harinarayan Young Neuroscientist Award will be available during the congress. Awardees will be acknowledged during the Welcome Ceremony on the 2nd September, 19:00-20:00. Awardees will be presented during the Neurobiology Symposium which will take place on Sunday 3rd September, 12:00-14:00 in Room J.
SCIENTIFIC PROGRAMME DETAILS

Presidential Symposium
The high profile symposium has been meticulously constructed by the Presidents of ILAE and IBE. This session will cover the classification of seizures and epilepsy.

Main and Parallel Sessions
Some of the topics of the Main and Parallel Sessions originated/were selected from the numerous proposals submitted by ILAE Chapters and Commissions and IBE Regional Committees. Main sessions feature topics such as novel technologies, stress as a key factor in epilepsy and co-morbidities, precision medicine, epileptic encephalopathies and understanding the nature of seizures.

The Parallel Sessions ensure a comprehensive selection of dynamic topics delivered by experts from world leading epilepsy institutions.

Debates
The debate sessions will present, in a lively and stimulating format, opposing views about controversial topics.

Video Sessions
There will be three video sessions in the main programme focussing on the practical implementation of the new ILAE classification and the EpilepsyDiagnosis.Org diagnostic website.

Ask the Experts
A new addition to the scientific programme is the ‘Ask the Experts’ sessions. These will take place over three days and cover the following topics: Classification, Women’s Issues and Managing difficult cases of epilepsy in childhood.

WONOEP Highlights
The WONOEP workshop, which traditionally takes place in the days before the International Epilepsy Congress, is a unique opportunity for basic scientists and clinicians to get together and appraise the latest developments in translational science. A special session at the beginning of the congress will provide delegates with highlights of the most significant points emerged during the 2017 WONOEP.

Teaching Programme
The extensive teaching programme will offer three to six daily early morning interactive sessions covering many practical aspects of epilepsy diagnosis and management.

Five ILAE/VIREPA sessions will be devoted to EEG (basic, advanced and paediatric) and to current web-based ILAE educational activities.

Case-oriented sessions will discuss practical issues of psychiatric and non-psychiatric comorbidities, epileptic encephalopathies, adult and paediatric epilepsy surgery, genetic and/or autoimmune aspects, the role of diets in epilepsy and the diagnosis and management of epilepsy in resource-limited settings.

Two special sessions will deal with epilepsy and the internet and with the dos and don’ts of participation in drug studies.

Video sessions will cover neonatal and paediatric seizures and semiology and the differential diagnosis of epileptic seizures, sleep disorders and motor disorders. A special session will deal with the testing of patients during seizures.

EEG Technicians Course
There will be two practical sessions, aimed specially at EEG technicians, focussing on optimising recording techniques for standard EEG, special studies and long term EEG and Video-monitoring in epilepsy.

Congress highlights
Another popular session of the 31st International Epilepsy Congress was the ‘Highlights’ session. As a result this concluding session will be included in Barcelona to provide delegates with an overview of the most important, original and interesting findings, presented throughout the congress programme.
ABSTRACTS

The Scientific and Organising Committee would like to thank all of those who submitted an abstract for review for the 32nd International Epilepsy Congress. Almost 1,200 abstracts were received in 20 categories.

Abstracts may be viewed online on the congress website: www.epilepsybarcelona2017.org.

The Scientific and Organising Committee would also like to thank those who participated in the abstract review process.

Platform Sessions

92 abstracts were selected for platform presentation in 19 sessions.

Posters

Posters are on display from 10:30 to 17:30, with different posters presented each day (Sunday to Tuesday). See page 104 for full details about posters.

Poster Tours

Guided poster tours, led by a prestigious roster of experts in the field, will take place during the congress. See page 99 for full details about poster tours.

BURSARIES

In order to encourage young investigators to participate in the 32nd IEC, a total of 104 bursaries were awarded by ILAE and IBE to assist with registration and/or travel and/or accommodation. 77 bursaries were awarded by the ILAE and 27 by the IBE.

ILAE Bursary Recipients

Hai Xue (China)
Nuria Campora (Argentina)
Ying Xu (Australia)
Caroline Neuray (Austria)
Marina Coelho Gonsales (Brazil)
Sebastian Ruge Møller (Denmark)
Devavrat Nene (India)
Giulia Monti (Italy)
Marienke A.A.M. de Bruijn (Netherlands)
Ben Wijnen (Netherlands)
Kyle H Bennett (United Kingdom)
Felix Chan (United Kingdom)
Gabriela Reyes Valenzuela (Argentina)
Hui Ming Khoo (Canada)
Benoit Girard (France)
Stefan Wolking (Germany)
Francesca Furia (Italy)
Symon Kariuki (Kenya)
Youssoufa Maiga (Mali)
Kenia Pardo-Peña (Mexico)
Evelien Geertsema (Netherlands)
Nicole van Klink (Netherlands)
Nadia Kafui Adotevi (New Zealand)
Barbara Pijet (Poland)
Lorenzo Caciagli (United Kingdom)
Oliver Riley (United Kingdom)
Taha Gholipour (USA)
Manuel Couyoumptrou (Argentina)
Xiaoa Chi (China)
Lady Diana Ladino (Colombia)
Noha Tharwat (Egypt)
Lisa-Marie Neupert (Germany)
RamshekarN Menon (India)
Lokesh Tiwari (India)
Lidia Di Vito (Italy)
Loretta Giuliano (Italy)
Samar Abbas (Lebanon)
Víctor Navarrete-Modesto (Mexico)
Prakash Paudel (Nepal)
Annick Melanie Magnerou (Senegal)
Kevin Hampel (Spain)
José David Herrera-García (Spain)
Sara Baldini (Switzerland)
Natrujee Wiwattanadittakul (Thailand)
Cihan Isler (Turkey)
Müberra Tanrıverdi (Turkey)
Valeriy Cheburakhin (Ukraine)
Yevgeniya Lekomtseva (Ukraine)
Rosaly Gonzalez Zerpa (Venezuela)
IBE Bursary Recipients

Dash Gopal Krishna (India)  
Mauricio Olave Aguirre (Colombia)  
Lulija Lakubenko (Ukraine)  
Ksenija Majstorovic (Republic of Macedonia)  
Alla Nechay (Ukraine)  
Ancor Sanz (Spain)  
Jacopo Lanzone (Italy)  
Lorenzo Ricci (Italy)  
Nicoletta Brunelli (Italy)  
Anna Keramida (Greece)  
Lorenzo Ferri (Italy)  
Sviatlana Kulikova (Republic of Belarus)  
Nicole Rommens (Netherlands)  
Lidya Belai (Ethiopia)  
Sarah Buck (United Kingdom)  
Sofiene Bouali (Tunisia)  
Stanislav Malyshov (Russia)  
Nicole Rommens (Netherlands)  
Bianca De Blasi (United Kingdom)  
Lamia Sfaihi (Tunisia)  
Nancy Watanabe (Brazil)  
Feruzjon Rakhimov (Uzbekistan)  
Bakhtigul Kholmuratova (Uzbekistan)  

ILAE Leadership Programme Bursaries

Keryma Acavedo (Chile)  
Jules Beal (USA)  
Danielle Becker (USA)  
Daniel Gams Massi (Senegal)  
Gonzalo J Garcia (Columbia)  
Sherifa Hamed (Egypt)  
Abeer Hani (Lebanon)  
Laura Hernandez Vanegas (Mexico)  
Henna Jonsson (Finland)  
Colin Joseph (Canada)  
Gudrun Kalss (Austria)  
Judy Kariuki (Kenya)  
Param Kharbanda (India)  
Edward Kija (Tanzania)  
Mohamad Koubeissi (USA)  
Colin Lui (Hong Kong)  
Stevo Lukic (Serbia)  
Apasri Lusawat (Thailand)  
Bindu Menon (India)  
Pricilla Monterrey Alvarez (Costa Rica)  
Dang Khoa Nguyen (Canada)  
San Oo (Myanmar)  
Ana Piršić (Croatia)  
Genevieve Rayner (Australiia)  
Barbara Rosso (Argentina)  
Ovidio Solano Cabrera (El Salvador)  
Rochelle Soranzo (Canada)  
Go Taniguchi (Japan)  
Line Mandix Thorsen (Denmark)  
Johan Zelano (Sweden)  
Showen Zhang (China)  
Maeike Zijlmans (Netherlands)  
Tianjay Josephine Kamanda (Sierra Leone)  
Edward Kija (Tanzania)  

Session topics:

Paediatrics Translational Integrated: pathophysiology/clinical/social
Clinical Social Issues Management issues (medical or surgical)
### SATURDAY 2nd SEPTEMBER

<table>
<thead>
<tr>
<th>Time</th>
<th>CONGRESS HALL</th>
<th>ROOM A</th>
<th>ROOM F</th>
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<td>VIREPA COURSE - EEG</td>
<td>CASE-ORIENTED SERIES - Non Psychiatric Comorbidities</td>
<td>VIDEO SERIES - Nocturnal events: epilepsy/parasomnia</td>
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<td>Network Imaging in epilepsy</td>
<td>The epilepsy autism conundrum</td>
<td>Advances in research in PME of Lafora: searching for a cure</td>
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**SATURDAY 2nd SEPTEMBER**

**Teaching Session**  
Room A

13:00 – 14:30  **VIREPA Course**

EEG-Basic
Bogdan Lorber (Slovenia)

EEG-Advanced
Michaelis Koutroumanidis (United Kingdom)

**Teaching Session**  
Room H1

13:00 – 14:30  **Case Oriented Series**

Non-psychiatric comorbidities
Martin Brodie (United Kingdom)

Non-psychiatric comorbidities
Alla Guekht, (Russia)

**Teaching Session**  
Room J

13:00 – 14:30  **Video Series**

Nocturnal events: epilepsy/parasomnia
Al de Weerd (Netherlands)

Nocturnal events: epilepsy/parasomnia
Sándor Beniczky (Denmark)

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**Award Symposium**  
Room H1

14:30 – 15:00  **Michael Prize Symposium**

Co-chairs: Helen Cross (United Kingdom) & Emilio Perucca (Italy)

Neuroimaging and connectome analysis of temporal lobe epilepsy: from hippocampal subfields to large-scale networks
Boris Christian Bernhardt (Canada)

**Satellite Symposium**  
Room A

15:30 – 17:00  Please see page 78 for details

**Satellite Symposium**  
Room F

15:30 – 17:00  Please see page 78 for details

**Parallel Session**  
Congress Hall

17:00 – 18:30  **Networking imaging in epilepsy**

Co-chairs: Christophe Bernard (France) & Simon Keller (United Kingdom)

Electrical signatures of epileptic phenotypes
Liset M de la Prida (Spain)

Seizure dynamics: role of the connectome and hubs
Christophe Bernard (France)

Network alterations in epilepsy revealed by volumetric MRI
Simon Keller (United Kingdom)

Architecture and dynamics of structural networks in epilepsy: implications for personalised medicine
Leonardo Bonhila (USA)
SATURDAY 2nd SEPTEMBER

Parallel Session
Room A
17:00 – 18:30  The epilepsy autism conundrum
Co-chairs: John Jacob (United Kingdom) & Stéphane Auvin
(France)

Diagnostic challenges in children with epilepsy and Autistic
Spectrum Disorder (ASD)?
Stéphane Auvin (France)

The shared genetics of epilepsy and ASD
Ingrid Scheffer (Australia)

Cortical dysfunction in epilepsy and ASD
John Jacob (United Kingdom)

Goals and recommended approaches in antiepileptic treatment
for children with ASD
Lieven Lagae (Belgium)

Parallel Session
Room H1
17:00 – 18:30  Stronger together – advocating together for
research, comprehensive care and involvement of
patients with epilepsy
Co-chairs: Sari Tervonen (Finland) & Francesca Sofia (Italy)

Why do we need better communication and collaboration
between professional and lay organisations?
Manjari Tripathi (India)

Common barriers to collaboration – how to establish a new
culture of teamwork
Pierre Genton (France)

The ‘inseparable’ IBE and ILAE chapters in Finland – how was
this achieved?
Reetta Kälviäinen (Finland)

Parallel Session
Room F
17:00 – 18:30  Advances in research in PME of Lafora: searching
for a cure
Co-Chairs: Jose Serratosa (Spain) & Antonio Delgado-Escueta
(Spain)

Glycogen metabolism as the driving force of LD
Matthew Gentry (USA)

Reducing glycogen synthesis as a therapy for LD: genomic
therapies
Berge Minassin (Canada)

Reducing glycogen synthesis as a therapy for LD: small
molecules
Peter Roach (USA)

When can LD be treated during evolution?
Joan Guinovart (Spain)

Translation to the clinic
Antonio Delgado-Escueta (Spain)

Translation to the clinic
Jose Serratosa (Spain)

Advocating for epilepsy and making change in social and
health care policy
Brian Hayes, Member of the European Parliament (MEP)
(Ireland)
**Parallel Session**

**Room J**

**17:00 – 18:30**

**MicroRNA in epilepsy**
*Co-chairs: Felix Rosenow (Germany) & David Henshall (Ireland)*

- **Novel epilepsy-associated microRNAs**
  David Henshall (Ireland)

- **Genetic variants in microRNA and their target genes**
  Ayal Gussow (USA)

- **MicroRNA in biofluids as biomarkers of human epilepsy, seizures and status epilepticus**
  Felix Rosenow (Germany)

- **Disease modification and anti-epileptogenesis; therapeutic targeting of miR-146a and miR-134**
  Michele Simonato (Italy)
### SUNDAY 3rd SEPTEMBER

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<th>Time</th>
<th>CONGRESS HALL</th>
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<td>Innovation in epilepsy surgery: Keeping promises?</td>
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### ROOM H1 | ROOM H2 | ROOM J

- **Room H1**
  - CASE ORIENTED SERIES - Epileptic Encephalopathies
  - Satellite Symposium

- **Room H2**
  - ADVANCED EEG
  - Neurobiology Symposium

- **Room J**
  - VIDEO SERIES - Neonatal seizures/non epileptic events
  - Management of epilepsy in resource-limited settings
  - Ketogenic therapies: state of the art

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**Presidential Symposium:**

- New Classification

**Symposiums:**

- Epilepsia Prize Award Symposium
- VIREPA COURSE - Neuroimaging
- Satellite Symposium

**Satellite Symposiums:**

- EPILEPSY SURGERY 1
- PAEDIATRIC EPILEPSIES 1
- Clinical approach to status epilepticus
- Innovation in epilepsy surgery: Keeping promises?
- VIDEO SESSION - Seizures and epilepsies in adults

**Debates:**

- DEBATE - Pacing ictal asystole?
- DEBATE - Will gene and cell therapy be clinically-relevant for epilepsy?

**Educational Series:**

- BASIC SCIENCE 1
- LIVING WITH SEIZURES/EPILEPSY 1
- CLINICAL NEUROPHYSIOLOGY 1
- CASE ORIENTED SERIES - Epileptic Encephalopathies
- ADVANCED EEG
- VIDEO SERIES - Neonatal seizures/non epileptic events
- NEUROBIOLOGY SYMPOSIUM

**Poster Sessions:**

- Posters

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**Contact:**

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SUNDAY 3rd SEPTEMBER

Teaching Session
Room A
08:00 – 09:30  VIREPA Course
Neuroimaging
Petr Marusic (Czech Republic)
New course formats: Neuroimaging
Stefan Rampp (Germany)

Teaching Session
Room H1
08:00 – 09:30  Case Oriented Series
Epileptic encephalopathies
Rima Nabbout (France)

Teaching Session
Room H2
08:00 – 09:30  Miscellaneous Series
Advanced EEG
Maeike Zijlmans (Netherlands)
Advanced EEG
Sándor Beniczky (Denmark)

Satellite Symposium
Room F
08:00 – 09:30  Please see page 79 for details

Teaching Session
Room J
08:00 – 09:30  Video Series
Neonatal seizures/non-epileptic events
Monika Eisermann (France)
Neonatal seizures/non-epileptic events
Jo Wilmshurst (South Africa)

Presidential Symposium
Congress Hall
09:30 – 11:30  A new classification is born
Co-chairs: Emilio Perucca (Italy) & Athanasios Covanis (Greece)
Developing a classification of seizures and epilepsy: Lessons from history
Solomon L. Moshé (USA)
The ILAE classification of seizures
Sameer Zuberi (United Kingdom)
The ILAE classification of the epilepsies
Ingrid Scheffer (Australia)
The new classification: cultural context and implications for people with epilepsy
Satish Jain (India)

Parallel Session
Congress Hall
12:00 – 13:30  Clinical approach to status epilepticus
Co-chairs: Simon Shorvon (United Kingdom) & Javier Salas-Puig (Spain)
Impact of the new definition and classification on clinical management
Eugen Trinka (Austria)
**SCIENTIFIC PROGRAMME INFORMATION**

**SUNDAY 3rd SEPTEMBER**

**Rare causes of status epilepticus**
- CT Tan (Malaysia)

**Neuroimaging of status epilepticus**
- Giada Giovannini (Italy)

**New drug treatments of status epilepticus**
- Simon Shorvon (United Kingdom)

**Parallel Session**
Room A

12:00 – 13:30

**Innovation in epilepsy surgery: keeping promises?**
*Co-chairs: Antonio Russi (Spain) & Rodrigo Rocamora (Spain)*

- Moving away from long-term video-EEG monitoring
  - Jean Gotman (Canada)

- Using networks to delineate a focus
  - Fernando Cendes (Brazil)

- High frequency oscillations for surgical decision making
  - Maeike Zijlmans (Netherlands)

- Novel minimally invasive therapies
  - Gary Mathern (USA)

**Parallel Session**
Room H1

12:00 – 13:30

**Management of epilepsy in resource-limited settings**
*Co-chairs: Gretchen Birbeck (Zambia) & Ali Asadi-Pooya (Iran, Islamic Republic of)*

- Management of epilepsy in resource-limited settings: the basic requirements
  - Bouloumaou Mesraoua (Qatar)

- Management of epilepsy in resource-limited settings: establishing an epilepsy surgery program
  - Ali Asadi-Pooya (Iran, Islamic Republic of)

**Parallel Session**
Room H2

12:00 – 13:30

**Ketogenic therapies: state of the art**
*Co-chairs: Helen Cross (United Kingdom) & Roberto Caraballo (Argentina)*

- How does the ketogenic diet work?
  - Heung Dong Kim (Korea, Republic of)

- What is the evidence for effectiveness in children?
  - Helen Cross (United Kingdom)

- The ketogenic diet in metabolic inherited disorders
  - Pierangelo Veggiotti (Italy)

- Diets for status epilepticus
  - Roberto Caraballo (Argentina)

**Neurobiology Symposium**
Room J

12:00 – 14:00

**Understanding the complexity and networks of epilepsies and their comorbidities**
*Co-chairs: Marco de Curtis (Italy) & Norberto Garcia-Cairasco (Brazil)*

- The human brain and the search for networks and connectivity maps associated to the epilepsies and their comorbidities
  - Maxime Guye (France)

- Neurogenesis and gene cascade linking epilepsy to depression and autism
  - Steve Danzer (USA)

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Management of epilepsy in resource-limited settings:
- Telemedicine
  - Victor Patterson (Nepal)

Management of epilepsy in resource-limited settings: Epilepsy care guidelines
- Gretchen Birbeck (Zambia)

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SCIENTIFIC PROGRAMME INFORMATION

SUNDAY 3rd SEPTEMBER

Brain somatic mutation in mTOR and epileptogenesis
Hoon-Chul Kang (Korea, Republic of)

Etiology and cognitive impairment – networks as a therapeutic target to improve outcomes
Rodney Scott (United Kingdom)

Complexity and emergence in epileptogenic networks: clinical experimental and computational challenges and perspectives
Norberto Garcia-Cairasco (Brazil)

Award Symposium
Room F
15:00 – 15:30 Epilepsia Clinical Science Prize
Co-chairs: Dieter Schmidt (Germany) & Michael Sperling (USA)
Involvement of GATOR complex genes in familial focal epilepsies and focal cortical dysplasia
Stephanie Baulac (France)

Platform Session
Congress Hall
15:30 – 16:30 Paediatric Epilepsies 1
Co-chairs: Sameer Zuberi (United Kingdom) & Heung Dong Kim (Korea, Republic of)

0021 Aetiology and subcortical structure volume are associated with subsequent cognitive deficits in children following convulsive status epilepticus (CSE)
Kyle H Bennett (United Kingdom)

0022 Cannabidiol (CBD) reduces convulsive seizure frequency in Dravet syndrome: results of a multi-centre, randomised, double-blind, placebo-controlled trial (GWPCARE1)
J. Helen Cross (United Kingdom)

0023 Genetic and phenotypic heterogeneity suggest therapeutic implications in SCN2A-related disorders
Markus Wolff (Germany)

0024 Neurodevelopmental outcomes in new-borns with neonatal seizures caused by rotavirus-associated leukoencephalopathy
Kyung Yeon Lee (Korea, Republic of)

0025 Electrical status epilepticus in sleep after thalamic injury: clinical and neuroimaging predictors in 26 children
Bart van den Munckhof (Netherlands)

Platform Session
Room H1
15:30 – 16:30 Basic Sciences 1
Chair: Matthew Walker (United Kingdom)

0001 Proresolving anti-inflammatory mechanisms are novel potential targets against epileptogenesis
Federica Frigerio (Italy)

0002 Novel drug-screening in “epileptic” zebrafish uncovers histone deacetylase (HDAC) 1 and 3 as a novel anticonvulsant target
Kingsley Ibhazehiebo (Canada)

0003 Anti-epileptogenic and epilepsy comorbidity modifying effects of a selective T-type Ca2+ channel antagonist, Z944, in the post-status epilepticus model of temporal lobe epilepsy
Pablo M. Casillas-Espinosa (Australia)

0004 Tackling epileptogenesis via the mGlu7 glutamate receptor
Benoit Girard (France)

0005 The NINDS/NIH Epilepsy Therapy Screening Program (ETSP)
John H. Kehne (USA)

Platform Session
Room H2
15:30 – 16:30 Living with seizures/epilepsy 1
Co-chairs: Satish Jain (India) & Caroline Morton (Netherlands)

0016 Behavioural and emotional comorbidity of acute seizures in young Kenyan children: a population-based study
Symon M. Kariuki, Kenya

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SCIENTIFIC PROGRAMME INFORMATION

SUNDAY 3rd SEPTEMBER

0017 Parenting stress and perceived stigma in mothers of children with early onset epilepsy: a population-based study
Colin Reilly (United Kingdom)

0018 "Seizure monitoring on my App" A nursing approach in the implementation of a Seizure App. Perspectives from clinical practice
Lone Olsen (Denmark)

0019 An economic evaluation of a multi-component self-management intervention for adults with epilepsy (ZMILE study)
Ben Wijnen (Netherlands)

0020 Knowledge and attitudes towards epilepsy of parents in Mali
Youssoufa Maiga, Mali

Platform Session
Room F
15:30 – 16:30
Epilepsy Surgery 1
Co-chairs: Frans Leijten (Netherlands) & Gary Mathern (USA)

0011 Relationship between cortical resection and visual function after occipital lobe epilepsy surgery
Chun Kee Chung (Korea, Republic of)

0012 Focal epileptiform discharges detected by magnetoencephalography and simultaneous electroencephalography
Lene Duez (Denmark)

0013 Meaningful improvement in quality of life after temporal lobe epilepsy surgery: a prospective study with Brazilian patients
Katia Lin (Brazil)

0014 Feasibility and safety of repeat stereotactic radiofrequency thermocoagulation for recurrent gelastic seizure due to hypothalamic hamartoma
Hiroshi Shirozu (Japan)

0015 Stimulation induced seizures during extraoperative direct electrical cortical stimulation for cortical mapping
Martha Spilioti (Greece)

Platform Session
Room J
15:30 – 16:30
Clinical Neurophysiology 1
Co-chairs: Jean Gotman (Canada) & Maeike Zijlmans (Netherlands)

0006 Spindle oscillations trigger rolandic discharges in benign childhood epilepsy
Shinobu Kohsaka (Japan)

0007 Responsiveness to a word-listening task in children with rolandic epilepsy: a magnetoencephalographic study
Kuriko Kagitani-Shimono (Japan)

0008 Association of default mode network (DMN) regions at absence seizure onset unconstrained by their frequency confinement
Sanjib Sinha (India)

0009 New hybrid micro-macroelectrodes to record fast-ripples in patients with drug-refractory epilepsy
Elodie Despouy (France)

0010 Electroencephalographic abnormalities in anti NMDAR encephalitis
Sophie Jeannin-Mayer (France)

Satellite Symposium
Room A
16:30 – 18:00
Please see page 79 for details

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SUNDAY 3rd SEPTEMBER

Debate
Room H1
17:00 – 18:00  **Pacing ictal asystole?**

**Pacing ictal asystole? – PRO**
Rainer Surges (Germany)

**Pacing ictal asystole? – CON**
Felix Rosenow (Germany)

Debate
Room H2
17:00 – 18:00  **Will gene and cell therapy be clinically relevant for epilepsy?**

**Will gene and cell therapy be clinically relevant for epilepsy? – CON**
Sam Wiebe (Canada)

**Will gene and cell therapy be clinically relevant for epilepsy? – PRO**
Jack Parent (USA)

Video Session
Room F
17:00 – 18:00  **Seizures and epilepsies in adults**

**Seizures and epilepsies in adults**
Jacqueline French (USA)

**Seizures and epilepsies in adults**
Sam Berkovic (Australia)

Ask the Experts
Room J
17:00 – 18:00  **Classification**

**Classification**
Ingrid Scheffer (Australia)

**Classification**
Sameer Zuberi (United Kingdom)

Satellite Symposium
Congress Hall
18:00 – 19:30  Please see page 80 for details

Satellite Symposium
Room F
18:10 – 19:40  Please see page 80 for details
### Monday, September 4th

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<td>Posters, CONGRESS HALL</td>
<td>VIREPA COURSE - Paediatric EEG/Sleep and Epilepsy</td>
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<td>ROOM A</td>
<td>MISCELLANEOUS SERIES - Epilepsy and Disability</td>
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<td>EEG Course - Interactive, hands-on teaching session on applying high-density EEG electrode arrays, rapid scanning of the electrode positions and testing patients during seizure</td>
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<td>09:30-10:00</td>
<td>Posters</td>
<td>Novel Technologies for epilepsy, Opportunities and pitfalls</td>
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<td>Seizure detection in ambulatory patients</td>
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<td>Myths in epilepsy and psychiatry, what is the evidence?</td>
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<td>Neonatal Seizures from Bench to Incubator</td>
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SCIENTIFIC PROGRAMME INFORMATION

MONDAY 4th SEPTEMBER

Teaching Session
Room A
08:00 – 09:30  VIREPA COURSE

EEG-Paediatric
Monika Eisermann (France)

Sleep and epilepsy
Al de Weerd (Netherlands)

Teaching Session
Room H1
08:00 – 09:30  Case Oriented Series

Surgical cases, adults
Çigdem Ozkara, Turkey

Surgical cases, adults
Antonio Gil-Nagel, (Spain)

Satellite Symposium
Room H2
08:00 – 09:30  Please see page 81 for details

Teaching Session
Room F
08:00 – 09:30  Miscellaneous Series

Epilepsy and intellectual disability: the clinical spectrum
Christian Brandt (Germany)

Genetic testing in epilepsy with intellectual disability: what and when?
Ingrid Scheffer (Australia)

Teaching Session
Room J
08:00 – 09:30  Video Series

Paediatric semiology: epileptic/non-epileptic
Dana Craiu (Romania)

Paediatric semiology: epileptic/non-epileptic
Lieven Lagae (Belgium)

Teaching Session
Press Room II
08:00 – 09:30  EEG Course

Interactive, hands-on teaching session on applying high-density EEG electrode arrays, rapid scanning of the electrode positions and testing patients during seizures
Sándor Beniczky (Denmark)
Christian Skaarup (Denmark)
Anders Bach Justesen (Denmark)

Main Session
Congress Hall
09:30 – 11:30  Novel technologies for epilepsy; opportunities and pitfalls

Chair: Philippe Ryvlin (Switzerland)

Novel technologies for epilepsy: an overview
Philippe Ryvlin (Switzerland)

Using technology to improve knowledge and skills
Nathalie Jetté (Canada)

Using technology to improve quality of care and safety
Gregory Krauss (USA)

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Main Session
Room J
09:30 – 11:30 Stress: a key factor in epilepsy and co-morbidities
Co-chairs: Sheryl Haut (USA) & Terence O’Brien (Australia)
Stress, the hippocampus and epilepsy
Terence O’Brien (Australia)
The evolving interactions of stress, anxiety and depression in epilepsy
Markus Reuber (United Kingdom)
Prenatal and childhood stress: impact on epilepsy
Jolien van Campen (Netherlands)
Measuring and treating stress: how novel technologies are taking us forward
Sheryl Haut (USA)

Parallel Session
Congress Hall
12:00 – 13:30 Seizure detection in ambulatory patients
Co-chairs: Mark Cook (Australia) & Andreas Schulze-Bonhage (Germany)
Experience from invasive EEG-based seizure detection
Mark Cook (Australia)
Non-invasive EEG-based seizure detection
Andreas Schulze-Bonhage (Germany)
EKG-based seizure detection
Christoph Baumgartner (Austria)
Non-EEG, non-EKG-based nocturnal seizure detection
Frans Leijten (Netherlands)

Parallel Session
Room A
12:00 – 13:30 Myths in epilepsy and psychiatry: what is the evidence?
Co-chairs: Marco Mula (United Kingdom) & Jo Wilmshurst (South Africa)
Should psychiatric comorbidities prevent patients from having epilepsy surgery?
Byung-In Lee (Korea, Republic of)
Are psychostimulants contraindicated in children with epilepsy?
Jo Wilmshurst (South Africa)
Are psychogenic non-epileptic attacks less hazardous than epileptic seizures?
Kette Valente (Brazil)
Do AEDs increase suicidality in epilepsy?
Marco Mula (United Kingdom)

Parallel Session
Room H1
12:00 – 13:30 Rare and complex epilepsies: addressing the needs of PWE and their families
Co-chairs: Philip Gattone (USA) & Rima Nabbout (France)
What are rare and complex epilepsies and why do we need special actions for them?
Alexis Arzimanoglou (France)
The rare epilepsies network of the Epilepsy Foundation of America
Philip Gattone (USA)
Supporting PWE with rare epilepsies: learning from successful initiatives: Dravet syndrome groups
Julian Isla (Spain)
MONDAY 4th SEPTEMBER

Supporting PWE with rare epilepsies: learning from successful initiatives: progressive myoclonus epilepsies
Paavo Marikainen (Finland)

Parallel Session
Room F
12:00 – 13:30
Neonatal seizures: from bench to incubator
Co-chairs: Aristea Galanopoulou (USA) Lucia Fusco (Italy)
Pathophysiology of neonatal seizures
Mathieu Milh (France)
This is a seizure, this is not: Mice pups
Aristea Galanopoulou (USA)
This is a seizure, this is not: Human neonates
Lucia Fusco (Italy)
When, how and what to treat?
Akihisa Okumura (Japan)

Parallel Session
Room J
12:00 – 13:30
Autoimmunity and inflammation in epilepsy
Co-chairs: Annamaria Vezzani (Italy) & Sarosh Irani (United Kingdom)
Neuro inflammation and epilepsies
Annamaria Vezzani (Italy)
Autoimmune epilepsies
Sarosh Irani (United Kingdom)
Immunotherapies in epilepsy
Sean Pittock (USA)

Award Symposium
Room F
15:00 – 15:30
Epilepsia Basic Science Prize
Chair: Astrid Nehlig (France)
Should stimulation parameters be individualized to stop seizures: Evidence in support of the approach
Tiwalade Sobayo (USA)

Platform Session
Congress Hall
15:30 – 16:30
Drug Therapy
Co-chairs: Michel Baulac (France) & Alla Guekht (Russia)
0026
Cannabidiol (CBD) significantly reduces drop and total seizure frequency in Lennox-Gastaut syndrome (LGS): results of a dose-ranging, multi-centre, randomised, double-blind, placebo-controlled trial (GWPCARE3)
Sameer Zuberi (United Kingdom)
0027
Considering anti-epileptic drug withdrawal? A tool for individual prediction of seizure outcomes
Herm J Lamberink (Netherlands)
0028
Adjunctive everolimus in patients with treatment-refractory seizures associated with tuberous sclerosis complex (TSC): analysis of exposure-efficacy and exposure-safety relationships in the randomized, phase 3, EXIST-3 trial
Jacqueline French (USA)
0029
Symptomatic treatment of anti-GABAbR and anti-LGI1 autoimmune epilepsy
Marienke A.A.M. de Bruijn (Netherlands)
0030
Comparing the efficacy of sodium valproate and levetiracetam following initial lorazepam in generalized convulsive status epilepticus (GCSE) in elderly: a prospective randomized controlled study
Devavrat Nene (India)
MONDAY 4th SEPTEMBER

Platform Session
Room A
15:30 – 16:30  Genetics 1
Co-chairs: Iscia Lopes-Cendes (Brazil) & Nicola Specchio (Italy)

0036 Precision therapy for epilepsy due to KCNT1 mutations: an
order-randomised, double-blind, placebo-controlled cross-over
trial of oral quinidine
Saul Mullen (Australia)

0037 The phenotypic spectrum of SCN8A mutations and treatment
response
Katrine M Johannesen (Denmark)

0038 Genetic investigation of sudden unexpected death in epilepsy
cohort by panel target resequencing
Pasquale Striano (Italy)

0039 KCNT1 pathogenic variants cause nocturnal frontal lobe
epilepsy and malformation of cortical development
Guido Rubboli (Denmark)

0040 Aetiologies and cost-effectiveness of genomic testing in severe
epilepsies of infancy: a population-based study
Katherine B Howell (Australia)

Platform Session
Room H1
15:30 – 16:30  Neuroimaging
Co-chairs: William Theodore (USA) & Bernhard Pohlmann-Eden
(Canada)

0046 Functional connectivity of mPFC compensates episodic
memory encoding network following medial temporal lobe
resection
Chun Kee Chung (Korea, Republic of)

0047 Seizure control and hippocampal sclerosis are related to
metabolic alterations in mesial temporal lobe epilepsy
Luciana Pimentel-Silva (Brazil)

Platform Session
Room H2
15:30 – 16:30  Living with seizures/epilepsy 2
Co-chairs: Galo Pesantez Cuesta (Ecuador) & Shichuo Li (China)

0041 The impact of physical attractiveness judgments on stigma of
epilepsy
Aleksandar Ristic, Serbia

0042 Self-Management education for adults with poorly controlled
epilepsy (SMILE-UK)
Leone Ridsdale (United Kingdom)

0043 New epilepsy guideline in Norway – available on net and as a
free app
Karl O. Nakken, Norway

0044 Attitudes and experiences of medicinal cannabis use in
epilepsy
Lisa Todd (Australia)

0045 Effects of a specialized inpatient treatment program on
epilepsy related impairments of patients with epilepsy and
intellectual disability as rated by relatives and carers
Christian Brandt (Germany)
32nd INTERNATIONAL EPILEPSY CONGRESS

MONDAY 4th SEPTEMBER

Platform Session
Room F
15:30 – 16:30  Epidemiology 1
  Co-chairs: Jakob Christensen (Denmark) & Jorge Burneo (Canada)

0031  Familial mesial temporal lobe epilepsy and the borderland of déjà vu
  Piero Perucca (Australia)

0032  Seizures and high-grade gliomas: a UK single centre retrospective analysis
  Oliver Riley (United Kingdom) & Nicholas Allcroft (United Kingdom)

0033  Impact of seizures after thrombolysis for acute ischemic stroke: the ENCHANTED trial
  Ying Xu (Australia)

0034  Circumstances of SUDEPs: a Swedish nationwide population-based study of 329 cases
  Olafur Sveinsson (Sweden)

0035  Inter-ictal cardiac repolarization abnormalities in people with epilepsy
  Nirmeen Kishk, Egypt

Parallel Session
Room J
15:30 – 17:00  Use of intracranial recordings in pre-surgical assessment: Is it worth it?
  Co-chairs: Jose Serratosa (Spain) & Antonio Valentin (United Kingdom)

  SEEG versus subdural electrodes
  Antonio Gil-Nagel (Spain)

  Can neuroimaging replace chronic intracranial recordings?
  Mar Carreño (Spain)

  The additional value of electrical stimulation
  Gonzalo Alarcon (Qatar)

Video Session
Congress Hall
17:00 – 18:00  Seizures and epilepsies in children

Seizures and epilepsies in children
Ingrid Scheffer (Australia)

Seizures and epilepsies in children
Sameer Zuberi (United Kingdom)

Ask the Experts
Room A
17:00 – 18:00  Women’s Issues

Women’s Issues
Jacqueline French (USA)

Women’s Issues
Torbjörn Tomson (Sweden)

Platform Session
Room H1
17:00 – 18:00  Basic Sciences 2
  Chair: Jaideep Kapur (USA)

0051  An automated tool for reliable detection of seizures in rodent models of epilepsy
  Armen Sargsyan (Australia)

0052  MMP-9 activity after traumatic brain injury as a risk for epilepsy development
  Barbara Pijet (Poland)

0053  Neonatal electrographic seizures and behavioural impairment in mice with a genetic NaV1.2 channelopathy
  Walid Fazeli (Germany)
SCIENTIFIC PROGRAMME INFORMATION

MONDAY 4th SEPTEMBER

0054  The Mashl+/- knock-in mouse as a model for human SUDEP suitable to screen for potential anti-SUDEP agents
       Elie Abdelnour (USA)

0055  Molecular variability of childhood and adult epileptogenesis: differences in miRNA profile of adult and infantile rats
       Petra Bencurova (Czech Republic)

Debate
Room H2
17:00 – 18:00  Do the cognitive benefits of temporal lobe surgery outweigh the cognitive risks?

Do the cognitive benefits of temporal lobe surgery outweigh the cognitive risks? – PRO
Christoph Helmstaedter (Germany)

Do the cognitive benefits of temporal lobe surgery outweigh the cognitive risks? – CON
Pamela Thompson (United Kingdom)

Satellite Symposium
Room J
18:00 – 19:30  Please see page 81 for details

Debate
Room F
17:00 – 18:00  Is ictal scalp-EEG recording mandatory for epilepsy surgery?

Is ictal scalp-EEG recording mandatory for epilepsy surgery? – PRO
Andreas Schulze-Bonhage (Germany)

Is ictal scalp-EEG recording mandatory for epilepsy surgery? – CON
Eugen Trinka (Austria)
## TUESDAY 5th SEPTEMBER

<table>
<thead>
<tr>
<th>Time</th>
<th>ROOM A</th>
<th>ROOM F</th>
<th>CONGRESS HALL</th>
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<td>VIDEO SERIES - Paroxysmal Motor Phenomena: epilepsy or movement disorder?</td>
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<td>Precision medicine: Harnessing the power of stem cells</td>
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<td>Epileptic Disorder Prize Award Symposium</td>
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**Break & Posters**

### ROOM H1
- **CASE ORIENTED SERIES** - Epilepsy Case Management in Resource Limited settings
- **MISCELLANEOUS** - Pediatric epilepsy surgery

### ROOM H2
- **VIREPA COURSE** - ILAE Wikipedia project and other internet possibilities

### ROOM J
- **EEG Course** - Interactive, hands-on teaching session on applying high-density EEG electrode arrays, rapid scanning of the electrode positions and testing patients during seizure

### PRESS ROOM II
- **Epileptic encephalopathies: Concept, treatment and outcome**
- **Interventions for cognitive dysfunction in epilepsy**
- **How to Publish in ILAE Journals**
- **Cannabinoids in epilepsy: the new frontier of pharmacological treatment**

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**Posters**

- **ADULT EPILEPTOLOGY**
- **GENETICS 2**
- **EPILEPSY SURGERY 2**

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**Satellite Symposium**

- **CLINICAL NEUROPHYSIOLOGY 2**
- **DEBATE** - Will precision medicine in epilepsy require systematic genetic screening?
- **ASK THE EXPERT** - Managing difficult cases of epilepsy in childhood

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**Removal**

- **VIDEO SESSION - Seizures and epilepsies in neonates**
- **DEBATE - Are we ready for testing interventions to prevent SUDEP?**

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**Set-up**

- **Infantile spasms: state of the art**
- **Novel technology to monitor and reduce seizure-related risks**

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**Break**

- **Brea**
TUESDAY 5th SEPTEMBER

Teaching Session
Room A
08:00 – 09:30  
**Video Series**

Paroxysmal Motor Phenomena: epilepsy or movement disorder?
Philippe Ryvlin (Switzerland)

Paroxysmal Motor Phenomena: epilepsy or movement disorder?
Paolo Tinuper (Italy)

Teaching Session
Room H1
08:00 – 09:30  
**Case Oriented Series**

Epilepsy case management in resource limited settings
Angelina Kakooza (Uganda)

Epilepsy case management in resource limited settings
Gretchen Birbeck (Zambia)

Teaching Session
Room H2
08:00 – 09:30  
**Miscellaneous Series**

Paediatric epilepsy surgery
Gary Mathern (USA)

Paediatric epilepsy surgery
Frans Leitjen (Netherlands)

Teaching Session
Press Room II
08:00 – 09:30  
**EEG Course**

interactive, hands-on teaching session on applying high-density EEG electrode arrays, rapid scanning of the electrode positions and testing patients during seizures.
Sándor Beniczky (Denmark)
Christian Skaarup (Denmark)
Anders Bach Justesen (Denmark)

Main Session
Congress Hall
09:30 – 11:30  
**Precision medicine in epilepsy**

Co-chairs: Shinichi Hirose (Japan) & Jack Parent (USA)

Precision medicine: what it is and what it isn’t
Sam Wiebe (Canada)

Improving therapeutics through precise diagnosis
Jacqueline French (USA)

Precision therapy through genomics, here and now
Holger Lerche (Germany)

Targeted therapy: *omics and new horizons
Parthasarthy Satishchandra (India)
TUESDAY 5th SEPTEMBER

Main Session
Room J
09:30 – 11:30
Epileptic encephalopathies: Concept, treatment and outcome
Co-chairs: Rima Nabbout (France) & Hari Bhathal (Spain)

The concept: use and misuse
Rima Nabbout (France)

Does outcome depend on seizures and/or EEG discharges?
Federico Vigevano (Italy)

Why aetiology matters
Mitsuhiro Kato (Japan)

Individualised treatment: present and future
Dan Lowenstein (USA)

Parallel Session
Congress Hall
12:00 – 13:30
Precision medicine: Harnessing the power of stem cells
Co-chairs: Shinichi Hirose (Japan) & Jack Parent (USA)

The potential of stem cells in precision medicine
Shinichi Hirose (Japan)

Modelling epilepsy using patient derived stem cells
Jack Parent (USA)

Modelling epilepsy using genetically modified stem cells
Zhiyuan Li (China)

Human ‘mini brains’ derived from stem cells
TBC

Parallel Session
Room A
12:00 – 13:30
Infantile spasms: state of the art
Co-chairs: Monika Eissmann (France) & Sheffali Gulati (India)

Early diagnosis is key: can we do better?
Monika Eissmann (France)

Addressing aetiology: what is the optimal work up?
Renzo Guerrini (Italy)

Steroids: mechanisms of action and efficacy
Li-Ping Zou (China)

Treatment: towards practice consensus
Katarzyna Kotulska-Jóźwiak (Poland)

Parallel Session
Room H1
12:00 – 13:30
Interventions for cognitive dysfunction in epilepsy
Co-chairs: Christoph Helmstaedter (Germany) & Pamela Thompson (United Kingdom)

Are our measurement tools appropriate?
Christoph Helmstaedter (Germany)

Early intervention in ASD and epilepsy
Lisa Ouss (France)

Cognitive rehabilitation after epilepsy surgery
Pamela Thompson (United Kingdom)

Interictal’ EEG discharges and cognitive dysfunction: investigations and management’
Hal Blumenfeld (USA)

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**Parallel Session**  
**Room H2**  
12:00 – 13:30  
**How to publish in ILAE Journals**  
How to publish in ILAE Journals  
Astrid Nehlig (France)  
How to publish in ILAE Journals  
Michael Sperling (USA)  
How to publish in ILAE Journals  
Alexis Arzimanoglou (France)  
How to publish in ILAE Journals  
Aristea Galanopoulou (USA)  
How to publish in ILAE Journals  
Dieter Schmidt (Germany)

**Parallel Session**  
**Room F**  
12:00 – 13:30  
**Novel technologies to monitor and reduce seizure-related risks**  
Co-chairs: Jane Hanna (United Kingdom) & Torbjörn Tomson (Sweden)  
Monitoring known SUDEP risk factors using novel technologies  
Torbjörn Tomson (Sweden)  
Identifying new SUDEP risk factors using novel technologies  
Rainer Surges (Germany)  
Novel technologies to prevent premature mortality  
Daniel Friedman (USA)  
Novel technologies to inform patients and families on seizure related risks  
Jane Hanna (United Kingdom) & Rohit Shankar (United Kingdom)

**Award Symposium**  
**Room F**  
15:00 – 15:30  
**Epileptic Disorder Prize Award Symposium**  
Chair: Alexis Arzimanoglou (France)  
Characteristic phasic evolution of convulsive seizure in PCDH19-related epilepsy  
Hiroko Ikeda (Japan)

**Platform Session**  
**Congress Hall**  
15:30 – 16:30  
**Adult Epileptology**  
Chair: Dieter Schmidt (Germany)  
0056  
Seizure control after surgery for intracranial meningioma: a single centre cohort study  
Hai Xue (China)  
0057  
High expression of cystine-glutamate antiporter xCT (SLC7A11) is an independent biomarker for epileptic seizures at diagnosis in glioma  
Christoph Patrick Beier (Denmark)
TUESDAY 5th SEPTEMBER

0058 Autoimmune epilepsy: key findings to identify a potentially treatable disease
Sara Matricardi (Italy)

0059 Ictal vocalization in focal epilepsy
Elisabeth Hartl (Germany)

0060 Utility of home videos for diagnosis of PNES
Bhargavi Ramanujam (India)

Platform Session
Room A
15:30 – 16:30 Genetics 2
Chair: Gambardella Antonio (Italy)

0076 A comprehensive analysis of missense mutations in SCN1A in patients with Dravet syndrome improves interpretation of clinically relevant variants
Marina Coelho Gonsales (Brazil)

0077 Somatic mutations are abundant in focal cortical dysplasia
Isica Lopes-Cendes (Brazil)

0078 Analysis of facial asymmetry and dysmorphism in epilepsy
Simona Balestrini (United Kingdom)

0079 Mosaicism of de novo SCN1A mutations in epilepsy: an explanation for variable phenotypes?
Iris de Lange (Netherlands)

0080 KCNB1 mutations are causing a neurodevelopmental disorder including epilepsy and autism
Rikke S. Møller (Denmark)

Platform Session
Room H1
15:30 – 16:30 Basic Sciences 3
Co-chairs: Astrid Nehlig (France) & Ed Bertram (USA)

0061 Lentivector-mediated potassium channel overexpression decreases focal cortical seizure frequency
Robert Wykes (United Kingdom)

0062 Changes in synaptic expression of glutamatergic AMPA receptors in cortical inhibitory interneurons in a mouse model of absence epilepsy
Nadia Kafui Adotevi (New Zealand)

0063 Comparison of miRNA expression profiles in rat model of epilepsy with human mTLE+HS patients
Jiri Baloun (Czech Republic)

0064 Screening and targeting therapeutically epileptiform and behavioural phenotypes in rodent models of Angelman syndrome
Anne Anderson (USA)

0065 The dynamics of the excitatory and inhibitory neural network during development and initiation of chemoconvulsant-induced cortical seizures
Fadi Aeed (Israel)

Platform Session
Room H1
15:30 – 16:30 Epidemiology 2
Co-chairs: Peter Wolf (Denmark) & Chahnez Charfi Triki (Tunisia)

0066 Impact of comorbidities on risk for injuries and accidents in epilepsy: a prospective, population-based cohort study
Benno Mahler (Sweden)

0067 Intervention strategy for the management of epilepsy in South-East Asia
Farid Boumediene (France)
TUESDAY 5th SEPTEMBER

0068  The Incidence and predictors of recurrence after first seizure in emergency department and outcomes: a retrospective study in an university hospital
        Amika Praipanapong (Thailand)

0069  Accidental deaths in people with epilepsy: a nationwide cohort study
        Sebastian Ruge Møller (Denmark)

0070  Status epilepticus in Auckland (New Zealand); a prospective, hospital-based incidence study
        Peter S. Bergin (New Zealand)

Platform Session
Room F
15:30 – 16:30  Epilepsy Surgery 2
Co-chairs: Flavio Villani (Italy) & Jerome Engel (USA)

0071  Fast ripples best define regional networks of epileptogenesis on paediatric intra-operative electrocorticographies
        Joyce Y. Wu (USA)

0072  SEEG evaluation and surgical outcome in refractory polymicrogyria-related epilepsy: a multicentric study
        Georgia Ramantani (Switzerland)

0073  SEEG-guided radiofrequency thermocoagulation for the treatment of intractable focal epilepsy Miguel Ley Nácher (Spain)

0074  Focal cortical dysplasia type II: is MEG, multimodal neuronavigation and intraoperative MR imaging helpful for surgery?
        Karl Roessler (Germany)

0075  Can volumes of mesial temporal structures predict pre and post-laser ablation psychiatric comorbidities in patients with temporal lobe epilepsy?
        Naymee Velez-Ruiz (USA)

0076  Abnormal electrophysiological properties of A1783T mutation in SCN1A may causes SMEI
        Yang Zeng (China)

0077  Long-term surgical outcome in paediatric patients with focal cortical dysplasia
        Eva Martinez Lizana (Germany)

0078  Long-term safety and efficacy of intracerebroventricular enzyme replacement therapy with cerliponase alfa in children with CLN2 disease: interim results from an ongoing multicenter, multinational extension study
        Nicola Specchio (Italy)

0079  High agreement in the evaluation of structural MRI characteristics in tuberous sclerosis complex
        Hanna Mai Hulshof (Netherlands)

0080  Neuropsychological and behavioural disorders screening program in new-onset childhood epilepsies. Preliminary results using child behaviour checklist evaluation
        Faustine Ilski Lecoanet (France)

Video Session
Congress Hall
17:00 – 18:00  Seizures and epilepsies in neonates

Seizures and epilepsies in neonates
Ronit Pressler (United Kingdom)

Seizures and epilepsies in neonates
Eli Mizzrahi (Sweden)
TUESDAY 5th SEPTEMBER

Debate
Room A
17:00 – 18:00 Are we ready for testing interventions to prevent SUDEP?
Are we ready for testing interventions to prevent SUDEP? PRO
Daniel Friedman (USA)

Are we ready for testing interventions to prevent SUDEP? CON
Torbjörn Tomson (Sweden)

Platform Session
Room H1
17:00 – 18:00 Clinical Neurophysiology 2
Co-chairs: Ivan Rektor (Czech Republic) & Akio Ikeda (Japan)

0086 Modulation of autonomic sympathetic activity reduces epileptic seizures: role of frontal cortex – amygdala functional connectivity
Yoko Nagai (United Kingdom)

0087 Prospective identification of fast ripples (FRs) helps define the spatial extent of the epileptogenic network
Hiroki Nariai (USA)

0088 Evidence of focality in infantile spasms as indicated by interhemispheric onset latency differences in ictal gamma and beta activity on EEG
Jules C. Beal (USA)

0089 EEG (ictal and inter-ictal) connectivity patterns and 3-D spike source analysis in focal epilepsy and its relation to nuclear medicine imaging
Alberto Pinzon (USA)

0090 Usefulness of automated EEG analysis to detect interictal epileptic activity in diagnostic EEG recordings: a study in 38 patients
Pieter van Mierlo (Belgium)

Debate
Room H2
17:00 – 18:00 Will precision medicine in epilepsy require systematic genetic screening?
Will precision medicine in epilepsy require systematic genetic screening? PRO
Norman Delanty (Ireland)

Will precision medicine in epilepsy require systematic genetic screening? CON
Jacqueline French (USA)

Ask the Experts
Room F
17:00 – 18:00 Managing difficult cases of epilepsy in childhood
Managing difficult cases of epilepsy in childhood
Alexis Arzimanoglou (France)

Managing difficult cases of epilepsy in childhood
Rima Nabbout (France)

Satellite Symposium
Room A
18:00 – 19:30 Please see page 81 for details
### SCIENTIFIC PROGRAMME INFORMATION

#### WEDNESDAY 6th SEPTEMBER

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<td>08:00-08:30</td>
<td>VIDEO SERIES - Testing during &amp; after epileptic seizures</td>
<td>MISCELLANEOUS SERIES - Role of Diets in the management of epilepsy</td>
<td>CASE ORIENTED SERIES - Psychiatric/Cognitive comorbidities</td>
<td>VIREPA COURSE - ILAE Educational Portal &amp; Epileptic Disorders</td>
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<td>MISCELLANEOUS SERIES - Participation in drug studies: Do's and Don't's</td>
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- **Understanding the nature of seizures**
- **Break**
- **Congress Highlights Session**
WEDNESDAY 6th SEPTEMBER

Teaching Session
Room A
08:00 – 09:30

Video Series

Testing during & after epileptic seizures
Walter van Emde Boas (Netherlands)

Teaching Session
Room H1
08:00 – 09:30

Case Oriented Series

Psychiatric/Cognitive comorbidities
Marco Mula (United Kingdom)

Psychiatric/Cognitive comorbidities
Pamela Thompson (United Kingdom)

Teaching Session
Room H2
08:00 – 09:30

Miscellaneous Series

Participation in drug studies: Do's and Don’ts
Jacqueline French (USA)

Participation in drug studies: Do's and Don’ts
Emilio Perucca (Italy)

Teaching Session
Room F
08:00 – 09:30

Miscellaneous Series

Role of diets in the management of epilepsy
Helen Cross (United Kingdom)

Role of diets in the management of epilepsy
Roberto Caraballo (Argentina)

Teaching Session
Room J
08:00 – 09:30

VIREPA Course

ILAE educational portal & Epileptic Disorders
Alexis Arzimanoglou (France)

Main Session
Room J
09:30 – 11:30

Understanding the nature of seizures
Co-chairs: Rafal Nowak (Spain) & Antonio Gil-Nagel (Spain)

All together now: epileptogenic networks dynamics
Ralph Andrzejak (Spain)

Functional network analysis in epilepsy
Neils Focke (Germany)

Combining non-invasive techniques to characterise the epileptic networks
Eduardo M Castillo (USA)

Impact of epileptic networks on cognitive function
Vera Dinkelacker (France)

Congress Highlights Session
Room J
11:30 – 13:00

Congress Highlights Session

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Satellite Symposium

2.9.2017

Satellite Symposium
Room A
15:30 – 17:00
LIVANOVA: Heart, body & mind | Epilepsy and the autonomic nervous system
Chair: Richard Verrier, USA
Autonomic phenomena in people with epilepsy
Speaker: Brian D. Moseley, USA
T-wave alternans and cardiac pathology in epilepsy
Speaker: Richard Verrier, USA
SUDEP – The ultimate autonomic breakdown
Speaker: Rainer Surges, Germany

Satellite Symposium
Room F
15:30 – 17:00
GW PHARMACEUTICALS: Perspectives in early-onset epilepsies: patients, physicians and possibilities
Chair: Helen Cross, United Kingdom
Co-Chair: Hari Bhathal, Spain
Early-onset epilepsies: the patient perspective
Speaker: Isabella Brambilla, Italy
Early-onset epilepsies: the societal perspective
Speaker: Sameer Zuberi, United Kingdom
Early-onset epilepsies: the clinical perspective
Speaker: Victoria San Antonio-Arce, Spain
Panel Discussion and Audience Q&A

3.9.2017

Satellite Symposium
Room F
08:00 – 09:30
ELEKTA: Source localization and network analysis with MEG and EEG
Chair: Paul Boon, Belgium
MEG and EEG source localization
Speaker: Evelien Carette, Belgium
Networks and clinical implications
Speaker: Hermann Stefan, Germany
MEG in clinical use, experiences in Spain
Speaker: Leonides Canuet Delis, Spain

Satellite Symposium
Room A
16:30 – 18:00
ZOGENIX: Recognising the burdens of dravet syndrome: co-morbidities, mortality, SUDEP
Chair: Lieven Lagae, Belgium
Chairman's Introduction
Speaker: Lieven Lagae, Belgium
Dravet Syndrome: Impact beyond seizures
Speaker: Alexis Arzimanoglou, France
Co-morbidities: Real life insights
Speaker: Lieven Lagae, Belgium
The burdens: Current challenges
Speaker: Ley Sander, United Kingdom
Panel Discussion
SCIENTIFIC PROGRAMME INFORMATION

SATELLITE SYMPOSIUM

18:00 – 19:30

BIOMARIN: A time critical genetic epilepsy – new data for diagnosing and managing children with CLN2 disease
Chair: Angela Schulz, Germany

A new era for CLN2 disease: Natural history and new data for clinical management
Speaker: Angela Schulz, Germany

Epilepsy neurogenetics: earlier diagnosis of CLN2 disease in clinical practice
Speaker: Raman Sankar, USA

EEG and clinical clues: Identifying CLN2 disease within early-onset myoclonic epilepsies
Speaker: Nicola Specchio, Italy

Discussion: Minimising diagnostic delay in CLN2

18:10 – 19:40

EISAI: Mechanisms behind tumour growth and epileptic activity in brain tumours; discussion of the AMPA receptor pathway and clinical implications
Co-Chairs: Matthew Walker, United Kingdom & Riccardo Soffietti, Italy

Can we be better at treating seizures in patients with brain tumour-related epilepsy?
Speaker: Gilles Huberfeld, France

Why do we need to understand the glutamatergic mechanisms in brain tumour-related epilepsy?
Speaker: Mark Cunningham, United Kingdom

It’s time to conduct brain tumour-related epilepsy trials!
Speaker: Terence O’Brien, Australia

Satellite Symposium
Room H2
08:00 – 09:30

MEDTRONIC: Advancing treatment options for drug-resistant epilepsy patients MRI-guided laser ablation and deep brain stimulation

Satellite Symposium
Room J
18:00 – 19:30

GW PHARMACEUTICALS: Moving on: Patients with early-onset epilepsies and the transition to adult care
Chair: Antonio Gil-Nagel, Spain

Anything but child’s play: Early-onset epilepsies
Speaker: Nicola Specchio, Italy

Challenges faced by adult epileptologists: Transitioning patients with early-onset epilepsies
Speaker: Bernhard J. Steinhoff, Germany

Taking the first step: Models of care for transitional services
Speaker: Rima Nabbout, France

Panel Discussion and Audience Q&A

5.9.2017

Satellite Symposium
Room J
18:00 – 19:30

EISAI-BIAL: Optimising epilepsy therapy: trials, tribulations, evidence and experience... Do we really know our AEDs?
Chair: Rob McMurray, United Kingdom

Introduction to AED trial programs
Speaker: Martin Holtkamp, Germany

Robust clinical trial programs give us the best insight into our AEDs
Speaker: Mar Carreño, Spain

Real world studies give us the best insight into our AEDs
Speaker: Vicente Villanueva, Spain

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GENERAL INFORMATION

The Poster Area is situated on Level –1 of the congress centre. Posters are on display here from 10:30 to 17:30, with different posters presented each day (Sunday 3rd to Tuesday 5th September).

Presenters must set up their posters between 09:30 and 10:30 and materials will be provided for affixing posters to the poster boards. The posters must be removed between 17:30 and 18:30 and please note that the 32nd IEC does not take any responsibility for unclaimed posters.

The Scientific and Organising Committee has chosen to organise guided poster tours, led by experts in the field, during the lunch break, giving researchers the opportunity to present their work during the congress. Presenters will be available at their posters on their assigned day. Each presenter shall be given few minutes to outline their findings and answer questions.

The poster abstracts are available on the 32nd IEC website www.epilepsybarcelona2017.org and in the interactive session planner. They will also be published subject to editorial review in an online supplement of Epilepsia post congress.

Delegates can search for abstracts by keywords and access the full papers on the congress app which can be downloaded from the App Store.

BEST ABSTRACTS

Best Abstract Contribution

A number of posters have been selected by the Scientific and Organising Committee to receive a Best Abstract Contribution notification. The best abstract recognition was based on the merit and special interest of the abstract content.

The Best Abstract Contribution will be identified with a rosette which will be placed on the poster board.

Best Abstract Contribution Abstracts

Adult Epileptology


561 Audit of epilepsy healthcare provision in a large UK category B prison. Thomasson, Coyle, Reynolds, Lees, Partington, Cooper.

617 Neuronal autoantibodies are infrequently associated with mesial temporal lobe epilepsy with hippocampal sclerosis Nobrega-Jr AW1, Gregory, Schindwein-Zanini, Wolf, Steindel, Lin

786 Juvenile Myoclonic Epilepsy: Long-term prognosis and treatment withdrawal. Viloria Alebesque, Bellosta Diago, Santos Lasaosa, Mauri Llerda.

803 Seizure semiology versus subjectivity: a linguistic approach to understanding focal aware seizures. Sanchez-Davies.

1456 The modified Atkins diet in patients with refractory epilepsy and intellectual disability – a randomized controlled trial. Hulshof, Jansen, Braun, Carpay.

Basic Sciences

780 Online hydrogen peroxide measurement during oxidative stress generated by seizure activity using a high temporal resolution www.epilepsybarcelona2017.org
POSTERS

Pardo-Peña, Sanchez-Lira, Morales-Villagrán.

AMP A receptor antagonism in mitochondrial epilepsy: a potential therapeutic target?
Chan F1, Skeen A1, Lax N2, Turnbull D2, Cunningham M1

Different mossy fiber sprouting patterns in ILAE hippocampal sclerosis types.
Schmeiser, Li, Brandt, Zentner, Doostkam, Freiman.

Perivascular PDGFR cells participate to inflammation during in vivo epileptogenesis and in vitro ictogenesis.
Klement, Runz, Girard, Fayd’herbe, Smith, Morin-Brureau, Bertaso, De Bock, Marchi.

Clinical Neurophysiology

A systematic review on diagnostic accuracy and clinical value of non-invasive long-term video-EEG monitoring in pre-surgical evaluation of patients with epilepsy.
Kobulashvili, Kuchukhidze, Brigo, Zimmermann, Höffler, Leitinger, Dobesberger, Kalss, Rohracher, Neuray, Wakonig, Ernst, Trinka.

DIAGNOSIS OF EPILEPTIC ACTIVITY ACCORDING EEG COHERENCE.
Dokukina, Misyuk, Makhrov, Khlebokazov, Korolevich, Marchuk.

Pattern of ictal intracerebral EEG at the start of alteration of consciousness.
Campora, Kochen.

571 Tracking heart rate changes during seizures: a national study using ResearchKit and Apple Watch to collect biosensor and response data during seizures.
Carmenate, Gonzalez, Ge, Collard, Lee, Crone, Krauss.

591 Interictal very fast ripples (500-1000 Hz) and ultrafast ripples (1-2 kHz): Novel biomarkers of the epileptogenic zone.

742 Non-contact video detection of tonic-clonic seizures in a residential care setting.
Geertsema, Gutter, Vledder, Arends, Leijten, Thijs, Visser, Kalitzin.

948 A study of praxis-induced seizures in Juvenile Myoclonic Epilepsy.
Abarrategui, Rodrigues De Marchi, Zelehaku, Torres Corso, Visona Figueiredo, Guaraha, Yacubian.

1071 Seizure onset zone connectivity during wakefulness and sleep studied through single pulse electrical stimulation during SEEG recordings.
Arbune, Mindruta, Mihai Dragos, Popa, Ene, Ciurea, Barborica.

1076 Exploring cardiac autonomic functions in eating epilepsy.
Sathyaprabha, Meghana, Jaideep, Prathyusha, Sinha, Satishchandra.
POSTERS

1275  Event-related potentials in temporal lobe epilepsy with and without hippocampal sclerosis.
       Kim.

1297  Alternative seizure provoking techniques at the Epilepsy Monitoring Unit Palm.
       Eriksen, Dunkan, Olsen, Mæhl, Lundgren Hansen, Beniczky, Gardella.

1446  Duration of Tachycardia in the Post-ictal period.
       Scott, Allen, Valente, Cuarentas, Diehl.

1567  Déjà-rêvé (already dreamed) induced by electrical brain stimulation.
       Curot, Valton, Denuelle, Busigny, Vignal, Maillard, Pariente, Trébuchon, Bartolomei, Barbeau.

Comorbidities

906   Brain activity continues during postictal EEG suppression in intracranial and scalp recordings.
       Bateman, Mendiratta, Liou, Smith, Baził, Choi, McKhann, Pack, Sheth, Srinivasan, Schevon.

Drug Therapy

3     THE ACTUAL MECHANISM BY WHICH PHENYTOIN DISPLAYS MICHAELIS-MENTEN KINETICS.
       Fagiolino, Vázquez, Ibarra, Alvariza, Maldonado.

32nd INTERNATIONAL EPILEPSY CONGRESS

227   Antiepileptic drug withdrawal for terminal remission in patients with epilepsy in the general population.
       Giussani, Bianchi, Erba, Sander, Beghi, EPIRES Study Group.

525   Treatment with cannabidiol (CBD) significantly reduces drop seizure frequency in Lennox-Gastaut syndrome (LGS): results of a multi-centre, randomised, double-blind, placebo-controlled trial (GWPCARE4).
       Mazurkiewicz-Beldzinska, Thiele, Benbadis, Marsh, Joshi, French, Roberts, Taylor, Sommerville.

588   Cannabidiol (CBD) in Dravet syndrome: A randomised, dose-ranging pharmacokinetics and safety trial (GWPCARE1).
       Wright, Devinsky, Thiele, Wong, Appleton, Patel, Harden, Sommerville, Greenwood, Morrison.

640   Impact of everolimus treatment on quality of life (QoL) in patients with tuberous sclerosis complex (TSC) who have refractory partial-onset seizures in the context of an interventional clinical trial (EXIST-3).

929   Perampanel in routine clinical use across Europe: pooled observational studies.
932 Use of eslicarbazepine in children and adolescents with refractory epilepsy at two National Epilepsy Centres, Denmark and Norway.

Baftiu, Burns, Nikaronova, Ramm-Pettersen, Rasmussen, Johannessen, Landmark.

1450 Real-world effectiveness and tolerability of eslicarbazepine acetate in patients receiving versus not receiving other sodium-channel blockers.

Lawthom, Sales, McMurray, Villanueva.

1458 Prevalence, Characteristics and Patterns of Drug Resistant Epilepsy in A Cohort of Adult Epilepsy Patients with Focal Onset Seizures.


Epidemiology

294 A National Profile of Neurodevelopmental Disabilities in Canadian Children: Data from the National Longitudinal Study of Children and Youth.

Prasad, Corbett.

1492 Premature mortality in persons with epilepsy and schizophrenia – a nationwide cohort study.

Maul Andersen, Petersen, Vestergaard, Bøcker Pedersen, Christensen.

Epilepsy in severely resource-restricted settings

158 The Role of Trained Community Health Volunteer in Improving Adherence in Children with Epilepsy in Rural Kenya.

MARAGA.

748 Quality of carbamazepine in resource-limited settings: ancillary results from the QUAEDAf (Quality of Antiepileptic Drugs in sub-Saharan Africa) study.

Jost, Nguyen, Ratsimbazafy, Auditeau, Raharivel, Newton, Dufat, Preux.

Epilepsy in the elderly

1537 Perampanel use in older people with epilepsy: pooled data from European observational studies.


Epilepsy Surgery

706 Outcome and prognostic factors of epilepsy surgery in children with focal cortical dysplasia.

Choi, Kim, Kim, Lim, Hwang, Choi, Chae, Kim.

947 High frequency oscillations in tumour related epilepsy.

van Klink, Zweifhenning, Miller, Aronica, Braun, Zijlmans.

979 SEEG-guided radiofrequency thermocoagulation for the treatment of intractable focal epilepsy.
32nd International Epilepsy Congress

POSTERS

**1077**

Ley Nácher, Alessandro, Álvaro, Tauste, Rocamora.

Stereo electroencephalography-guided radiofrequency thermocoagulation in drug-resistant focal epilepsy: a new paediatric technique to guide the surgery.

Chipaux, Ferrand-Sorbets, Fohlen, Dorison, Taussig, Dorfmuller.

**1390**

Atypical Presentation of Rasmussen’s Encephalitis: A Case Series.

Reyes Valenzuela, Princich, Gutierrez, Lizama, Beltrán, Massaro Sánchez, Bartuluchi, Lubieniecki, Caraballo.

**Genetics**

**775**

The identification for pharmacogenetic biomarkers in the treatment of epilepsy.


**1304**

GENETIC HETEROGENEITY OF SLEEP RELATED HYPERMOTOR EPILEPSY (SHE).

Bisulli, Licchetta, Baldassari, Provini, Plazzi, Santucci, Vignatelli, Zenisi, Scheffer, Berkovic, Pippucci, Tinuper, LICE (Italian League against Epilepsy) Genetic Study Group.

**1326**

Targeted next generation sequencing as a diagnostic tool in 644 childhood epilepsy patients and transmission of variants from mosaic parents.


**1377**

Recessive variants in VARS cause a clinical syndrome with severe developmental delay, epilepsy and microcephaly.


**1632**

Distribution of genetic epilepsies and accordingly adjusted medical treatment at the Danish Epilepsy Centre: A systematic analysis of children born between 2006 and 2011

Fenger, Johannesen, Gardella, Rubboli, Kjelgaard, Hjalgrim, Møller.

**Neuroimaging**

**212**

A Multimodal Neuroimaging Study of Psychosis of Epilepsy (POE).

Allebone, Wilson, Kanaan.

**287**

The added value of high-field MRI at 7T for pre-surgical evaluation of drug-resistant epilepsy.
POSTERS

402  Time is brain? A systematic review and meta-analysis on progressive atrophy in drug-resistant temporal lobe epilepsy
      Caciagli, Bernasconi, Wiebe, Koepp, Bernasconi, Bernhardt.

566  Do subtle hippocampal structural changes on MRI serve as biomarkers for seizure recurrence in a prospective first seizure cohort?
      Ghuman, Crocker, Legg, Schmidt, Pohlmann-Eden.

700  Ictal brain perfusion SPECT substracted with interictal FDG-PET for seizure onset focus localization.
      Perissinotti, Niñerola-Baizán, Rubí, Carreño, Donaire, Bargalló, Rumiá, Martí-Fuster, Pavia, Ros, Lomeña, Setoain.

829  Asymmetrical volume reduction of the hippocampal subfields in drug-resistant patients with generalized tonic-clonic seizures.
      Wang, Wang, Cao, Wang, Xu.

848  EpiJET: First commercially available automated injector for ictal SPECT.
      Setoain, Donaire, Vernet, Gil, Mayoral, Rumiá, Campos, Bargalló, Tapias, Carreño.

1228 Epileptic network in action: Synchrony of intracranial spiking activity in distant interictal discharge-related hemodynamic responses revealed by EEG/fMRI.
      Khoo, von Ellenrieder, Zazubovits, Dubeau, Gotman.

1366 Whole-brain structural connectome disruptions in temporal lobe epilepsy: relation to hippocampal pathology
      Bernhardt, Liu, Hong, Gu, Bassett, Bernasconi, Bernasconi.

32ND INTERNATIONAL EPILEPSY CONGRESS

1542 Poorly controlled seizures disrupt resting state networks in patients with generalized epilepsies
      Garcia, Alvim, Polydoro, Ishikawa, Montanher, Campos, Morita, Cendes, Yasuda.

Neuropsychology

1452 Development and validation of Ictal Cognitive Testing and Localization (ICTAL): an individualised hypothesis-testing tablet based neuropsychological test program to evaluate cognitive deficits during ictal EEG abnormalities, Wada-testing, intracranial EEG recordings and awake surgery.
      Hendriks, Flachs, Bremm, Colon, Tousseyn, Wagner, Vaessen.

1568 Cognitive outcomes following Radiofrequency-Thermocoagulation in Temporal Lobe Epilepsy (TLE): Preliminary Data.
      Pérez-Enríquez, Manero, Peña-Casanova, Principe, Ley-Nacher, Delgado-Martinez, Conesa, Rocamora.

Neurostimulation

580  Real-time suppression of temporal lobe epileptiform discharges by closed-loop optogenetic stimulation
      Lin, Ju, Lin.

984  Clinical outcomes of VNS therapy with AspireSR at a large UK Complex Epilepsy and Surgery Centre
      Hamilton, Dhahri, Leat, Hughes, Toghill, Bagary, McCorry, Soryal, Chelvarajah.
1099 A single centre study comparing the effectiveness of the AspireSR® 106 Vagus Nerve Stimulator model to older models in drug resistant epilepsy.  
*Mecia, Sheikh, Maguire, Wright, Sivakumar.*

1318 Ventral anterior cingulate gyrus: integration of body position and complex motor responses  
*Centeno, Jha, Nachev, Diehl.*

**Paediatric Epileptology**

832 Electroencephalographic and Diffusion Tensor Imaging Changes in Idiopathic Epileptic Children Imane.  
*Yassine, Hosny, Ashour, ElDeeb, Gad.*

1321 Sleep disorders in children and adolescents with epilepsy: an observational study.  
*Furia, Zambrelli, Turner, Malanchini, Vignoli, La Briola, Mingarelli, Canevini.*

1471 Significance of functional connectivity before and after corpus callosootomy or hemispherotomy in paediatric epilepsy patients.  
*Ko, Pae, Oh, Eom, Kim, Kang, Kim, Park, Lee.*

1461 Efficacy, Acceptability and Tolerability of Low Glycemic Index Diet in South Indian Children with Refractory Epilepsy.  
*Pavithran.*

1571 Lysine Restriction in Pyridoxine Dependent Epilepsy; Results after 2 years of follow-up  
*Hartmann, de Rooy, Bok L3, van Karnebeek, Lunsing, van Rijn, van Wegberg, van Sprosen.*

1606 Pathogenic variants in KCTD7 perturb neuronal K+ fluxes and glutamine transport.  
*Moen MN1, Fajaer, El Hassan, El Khashab, Salih MAS, Chaudhry.*

1656 Updates to the Lafora Epilepsy Cure Initiative (LECI) Clinical Centre: Development of a data collection tool for measurement of Lafora Epilepsy Disease Progression.  

**Psychiatry**

511 Emotion recognition of auditory and visual stimuli in patients with resistant temporal lobe epilepsy.  
*Fernandez Lima, Oddo, Pereira de Silva, Giagante, Solis, Princich, Gori, Munera, Kochen, D’Alessio.*

**Status Epilepticus**

274 DECREASED ALLOPREGNANOLONE LEVELS IN CEREBROSPINAL FLUID OF PATIENTS WITH STATUS EPILEPTICUS.  
*Monti, Giovannini, Lucchi, Bedin, Trenti, Rustichelli, Biagini, Meletti.*

*www.epilepsybarcelona2017.org*
1553 Re-evaluation of the Critically Ill Patients with Non-convulsive Status Epilepticus by Using Salzburg Consensus Criteria. Gungor Tuncer, Altindag, Nalbantoglu, Acik, Tavukcu Ozkan, Baykan.

Women’s Issues


32nd International Epilepsy Congress

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561 Audit of epilepsy healthcare provision in a large UK category B prison. Thomasson, Coyle, Reynolds, Lees, Partington, Cooper.

617 Neuronal autoantibodies are infrequently associated with mesial temporal lobe epilepsy with hippocampal sclerosis Nobrega-Jr AW1, Gregory, Schindwein-Zanini, Wolf, Steindel, Lin.

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POSTER TOURS

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### POSTERS

#### Adult Epileptology 1

- **p0091** Association between environmental ozone levels and increased epileptic seizures in patients with epilepsy in a hospital in Mexico City  
  Victor Gomez-Arias (Mexico)

- **p0092** A case of N-methyl-D-aspartate receptor antibodies associated autoimmune temporal lobe epilepsy with amygdala enlargement  
  Go Taniguchi (Japan)

- **p0093** Portosystemic shunt: an important differential diagnosis of consciousness disturbance in middle age  
  Shunsuke Kajikawa (Japan)

- **p0094** Predictors of outcome in patients with acute symptomatic seizure  
  Gopal Krishna Dash (India)

- **p0095** Headaches associated with symptomatic epilepsy in adults  
  Sanja Atic (Serbia)

- **p0096** Temporal lobe epilepsy with amygdala enlargement: a clinical study  
  Masanaka Takeda (Japan)

- **p0097** Epilepsy and neuropsychiatric lupus: case report and literature review  
  Guadalupe Bonilla Mejia (Ecuador)

- **p0098** Clinical characteristics of epileptic seizures associated with protein S deficiency  
  Masako Kinoshita (Japan)

- **p0099** Musicogenic epilepsy – an autoimmune-mediated condition?  
  Anke Maren Staack (Germany)

- **p0100** Factors affecting the number of oligodendrocytes in human temporal lobe epilepsy: a clinicopathological study  
  Hajime Miyata (Japan)

#### Adult Epileptology 2

- **p0101** A closer look at burn injuries and epilepsy: an experience in a rural area  
  Naluca Mwendaweli (Zambia)

- **p0102** Internal-external locus of control and self-perception of auras  
  Katia Lin (Brazil)

- **p0103** Up-regulation of autophagy and mitophagy in refractory temporal lobe epilepsy patients with hippocampal sclerosis  
  Jin-Mei Li (China)

- **p0104** Hippocampal sclerosis in LGI1 and CSPR2 positive limbic encephalopathy: a case report  
  Ammar Taha Abdullah Abdulaziz (China)

- **p0105** Relation between gender, psychiatric and cognitive disorders and experiential auras in patients with temporal lobe epilepsy  
  Vanessa Benjumea-Cuartas (Argentina)

- **p0106** Seizure outcomes in patients with anti-NMDAR encephalitis: a 6-year follow-up study  
  Xu Liu (China)

- **p0107** Non-dipping nocturnal blood pressure in patients with epilepsy  
  Sungjin Park (Korea, Republic of)

- **p0108** Longitudinal bilateral hippocampal N-acetyl-aspartate values obtained using magnetic resonance spectroscopy over more than three years in patients with epilepsy  
  Tohru Hoshida (Japan)

- **p0109** Occurrence and predictors of post stroke epilepsy. A prospective study and meta-analyses  
  Feruzjon Rakhimov (Uzbekistan)

- **p0110** A patient with complex partial seizures and insulinoma  
  Magdalena Bosak (Poland)

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Sleepless in Singapore – characterization of sleep-related seizures in a tertiary institution  
Minna Sim (Singapore)

**p0112**  
Focal and generalized epilepsy: which seizure-modulatory factors are most frequent?  
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**p0113**  
How common are exogenous modulators in epilepsy and migraine?  
Juliane Sauter Dalbem (Brazil)

**p0114**  
Interleukins interictal data and tau-protein in patients with long-standing pharmaco-resistant epilepsy  
Yevgeniya Lekomtseva (Ukraine)

**p0115**  
A pilot study on relationship between plasma haptoglobin and posttraumatic epilepsy  
Hyungkook Park (Korea, Republic of)

**p0116**  
Audit of epilepsy healthcare provision in a large UK category B prison  
Rachel Thomasson (United Kingdom)

**p0117**  
Eyelid myoclonia with absences of an old female  
Zhang Meiyun (China)

**p0118**  
Neuronal autoantibodies are infrequently associated with mesial temporal lobe epilepsy with hippocampal sclerosis  
Katia Lin (Brazil)

**p0119**  
Seizure associated with autoimmune encephalitis: seizure characterization, EEG manifestation, follow-up observation and prognostic factors  
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**p0120**  
Could adult temporal lobe epilepsy predict cognitive decline?  
Vanessa Adell Ortega (Spain)

**p0121**  
Epilepsy and habitual physical activity in Brazil: a case-control study  
Katia Lin (Brazil)

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Sulfasalazine as a treatment for acquired epilepsy  
Oscar Alcoreza (USA)

**p0123**  
Effect of low frequency stimulation of Schaffer collaterals on the electrophysiological properties of the CA1 pyramidal cells during epileptiform activity  
Zahra Ghasemi (Iran, Islamic Republic of)

**p0124**  
The normative values of diffusion-weighted sequence of magnetic resonance imaging in healthy children  
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**p0126**  
Effect of chronic administration of krill oil in the expression of connexin 36 and 43 in the hippocampus of adult rats with generalized seizures induced by pentylenetetrazole and neonatal febrile seizures  
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**p0127**  
Epigenetic regulation of functional networks in focal cortical dysplasia  
Katja Kobow (Germany)

**p0128**  
Protective effects of potocatechuic acid (PCA) on seizure-induced neuronal death  
Hong Ki Song (Korea, Republic of)

**p0129**  
Experimental model of epilepsy induced by intrahippocampal bethanechol chloride  
José Cláudio da Silva (Brazil)

### Basic Science 2

**p0130**  
Effect of lacosamide on epileptiform activity induced in human neocortical and hippocampal slices  
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**p0131**  
Nav1.2 is expressed in reelin-positive interneurons  
Kazuhiro Yamakawa (Japan)
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p0132  Assessment of serotonergic system in formation of memory and learning
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p0133  Analysis of ion channel properties and rhythmic oscillatory activity in the
thalamocortical system following demyelination
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p0134  Impaired baroreflex sensitivity after bilateral convulsive seizures in patients
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p0135  Increased expression of SNX27 in patients with temporal lobe epilepsy and a
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p0136  Mitophagy in refractory temporal lobe epilepsy patients with hippocampal
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p0137  Inhibition of glutamate decarboxylase (GAD) by ethyl ketopentenoate (EKP)
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p0138  NR4A1 knockdown suppresses seizure activity by regulating surface
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p0139  Physical exercise during pregnancy attenuates the negative effects of PTZ-
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p0141  New model of drug resistant seizures: validation, ABC transporters
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p0142  The role of the cholinergic system in animal models of temporal lobe epilepsy
Sebastian Meller (Germany)

p0143  Regulation of MnSOD activity by Sirt3 against oxidative stress after prolonged
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p0144  In vitro antineoplastic effects on human glioblastoma cells of lacosamide and
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p0146  Anticonvulsant effect of electrical stimulation of the anterior thalamic
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p0147  Electroencephalographic features after intrahippocampal microinjection of
bethanechol
José Cláudio da Silva (Brazil)

p0148  Ablation of new-born granule cells after epilepsy onset halts disease
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p0149  Role of inter-ictal discharges: initiating or delaying seizures?
Jaroslav Hlinka (Czech Republic)

Basic Science 4

p0150  Effects of Ro 53-1908 AND Ro 04-5595 intrahippocampal microperfusion on
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p0151  Simultaneous quantification of five neuroactive amino acids in different
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Sandra Ventura (Portugal)

p0152  The iPSC-derived neurons made by 2 unrelated protocols currently used for
epileptic encephalopathy modelling reveal distinctive electrophysiology
features
Filip Rosa (Germany)
**32nd International Epilepsy Congress**

**POSTERS**

**Clinical Neurophysiology 1**

- **p0153** Whole genome sequencing the genetic absence epilepsy rat from Strasbourg, its related non-epileptic strain and their F2 progeny
  Pablo M. Casillas-Espinosa (Australia)

- **p0154** The acute and long term toxicity of dextromethorphan in the developing brain
  Jordan Richardson (USA)

- **p0155** Anti-oxidant intervention during epileptogenesis delays disease onset and blocks its progression in a rat model of acquired epilepsy
  Alessia Salamone (Italy)

- **p0156** Analysis of effectiveness of Hippophae rhamnoides treatment on ion channel activity in animal model of post-traumatic epilepsy
  Stanzin Ladol (India)

- **p0157** Influence of gestational DLT exposure on seizure susceptibility and epileptogenesis in iron induced epilepsy model
  Kamendra Kumar (India)

- **p0158** Investigating the short-term effects of ketogenic medium-chain triglyceride (MCT) supplement on canine epilepsy in drug-non-responders
  Benjamin-Andreas Berk (United Kingdom)

- **p0159** Further evidence for a differential site of action of the anticonvulsants brivaracetam and levetiracetam on the SV2A protein
  Martyn Wood (Belgium)

**Clinical Neurophysiology 2**

- **p0164** Electroclinical study of temporal epilepsy in Fann Teaching Hospital, DakarSenegal
  Maouly Fall (Senegal)

- **p0165** MRI abnormalities and EEG patterns of symptomatic epilepsy in children with brain anomalies
  Khabibulla Aminov (Uzbekistan)

- **p0166** Recruiting rhythm and clinically evident seizure pattern in benign infantile convulsions associated with mild gastroenteritis
  Vasily Nogovitsyn (Russia)

- **p0167** Focal EEG features and therapeutic response in patients with juvenile absence and myoclonic epilepsy
  Giorgi Japaridze (Georgia)

- **p0168** EEG as a prognostic tool for typical absence
  Karim Tawfik (Egypt)

- **p0169** Intracranial metallic body artifact in routine scalp EEG: a case series
  Karim Tawfik (Egypt)

- **p0170** Clinical and eeg features of patient with ictal EEG pattern
  Akhmad Syahrir (Indonesia)

- **p0171** A systematic review on diagnostic accuracy and clinical value of non-invasive long term video-EEG monitoring in pre-surgical evaluation of patients with epilepsy
  Teia Kobulashvili (Austria)

- **p0172** Rapid and accurate measurement of 3D positions of high-density EEG array: a pilot study in the clinical setting
  Anders Bach Justesen (Denmark)

- **p0173** Two patterns of 3Hz waveform of ictal EEG for child absence epilepsy
  Meiyun Zhang (China)
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<td>Nicole Rommens (Netherlands)</td>
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<td>Disturbances of reactivity of cerebral vessels in patients with posttraumatic epilepsy</td>
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p0970  Prolonged reversible neurological dysfunction in neurosurgical patients
        Seo-Young Lee (Korea, Republic of)

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p0973  Seizure freedom after corpus callosotomy
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p0976  Robotic stereoelectroencephalography without head-frame and computed tomography – analysis of accuracy
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p0977  Testing quality indicators for adult epilepsy monitoring unit in the Centre for Treatment of Refractory Epilepsy (CETER), a new epilepsy monitoring unit in Brazil
        Marino Muxfeldt Bianchin (Brazil)

p0978  Good outcome of resective epilepsy surgery in patients with non-lesional focal epilepsy after invasive evaluation with stereotactically implanted depth electrodes
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p0979  Hemispheric disconnection in paediatric patients with refractory epilepsy secondary to diffuse, unilateral disease. Long term results in a tertiary centre
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p0980  The effectiveness of transcranial motor evoked potential monitoring during epilepsy surgery in patients with medically refractory temporal lobe seizures
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p0983  Developmental regression preceding seizure onset: a guide for SLC6A1 mutation testing in children with atypical myoclonic astatic epilepsy
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p0984  Epilepsy and sleep disorders improve in adolescents and adults with Angelman syndrome: a multicentre study of 46 patients
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p0985  Discovery and pathogenicity assessment of neuropathology-associated gene variants
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p0986  Novel mutations in SLC2A1 gene: phenotype variability of GLUT1 deficiency syndrome in a small case series
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<td>Dalia Alvarez-Morujo de Sande (Spain)</td>
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<td>Güneş Altıokka-Uzun (Turkey)</td>
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<td>Francesca Bisulli (Italy)</td>
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<td>Maria Eugenia Caligiuri (Italy)</td>
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**p1007**
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Da Eun Jung (Korea, Republic of)

**p1008**
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**p1009**
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**p1010**
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**p1012**
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Canan Güvenç (Belgium)

**p1014**
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**p1015**
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**p1016**
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Boris Bernhardt (Canada)

**p1017**
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Ana Coito (Switzerland)

**p1018**
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**p1019**
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David Kala (Czech Republic)

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**p1022**
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<td>Temporal lobe epilepsy: qualitative reading of 1H MR spectroscopic images for pre-surgical evaluation in Uzbekistan</td>
<td>Jasurjon Fokhirov (Uzbekistan)</td>
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<td>Marc Hendriks (Netherlands)</td>
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<td>Psychomotor development of patients with KCNQ2 epileptic Encephalopathy</td>
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<td>Natalia Manfredi (Italy)</td>
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p1086  Steroid therapy in West syndrome-case-series analysis
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p1087  Treatment of epilepsy of infancy with migrating focal seizures associated with a novel CDKL5 mutation with potassium bromide
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p1090  Juvenile myoclonic epilepsy in Morocco: experience of Marrakesh third level hospital
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p1091  Pilotage study of cannabinoids (THC and CBD) as add-on therapy in children with refractory epilepsy
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p1094  Treatment and outcome of West syndrome: about 22 cases
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p1095  Auto-immune anti-N-methyl-D-aspartate receptor (anti-NMDAR) encephalitis: three case reports
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p1096  West syndrome: clinical characteristics, treatment and outcome
Evelyn Lora (Dominican Republic)

p1097  Treatment approaches in pharmacoresistant childhood epilepsies
Oksana Globa (Russia)

p1098  Updates to the Lafora Epilepsy Cure Initiative (LECI) clinical centre: development of a data collection tool for measurement of Lafora Epilepsy Disease Progression
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p1099  Mathematical modelling of melatonin diurnal secretion in children with epilepsy
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p1100  Angelman syndrome – mathematical modelling of melatonin secretion
Justyna Paprocka (Poland)

p1101  Behavioural problems and psychosocial functioning in adolescents with epilepsy
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**p0092**
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**p0093**
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Shunsuke Kajikawa (Japan)

**p0094**
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Gopal Krishna Dash (India)

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Sanja Atic (Serbia)

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Masanaka Takeda (Japan)

**p0097**
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Anke Maren Staack (Germany)

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Factors affecting the number of oligodendrocytes in human temporal lobe epilepsy: a clinicopathological study
Hajime Miyata (Japan)
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<td>Chair</td>
<td>03/09/2017</td>
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<td>United Kingdom</td>
<td>Speaker</td>
<td>02/09/2017</td>
<td>15:30</td>
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<td>Satellite Symposium</td>
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**Exhibition Opening Hours**

- Sunday 3rd September 2017: 09.00 – 16.30
- Monday 4th September 2017: 09.00 – 16.30
- Tuesday 5th September 2017: 09.00 – 16.30
Join the Medtronic Symposium
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FOR DRUG-RESISTANT EPILEPSY PATIENTS
MRI-Guided Laser Ablation and Deep Brain Stimulation.

For drug-resistant epilepsy patients

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Deep Brain Stimulation

4 September 2017
08:00-09:30 Room: H2 (level -1)
Treat them like family!
Improve patient wellbeing with VNS Therapy®

- Fewer Seizures
- Shorter Seizures
- Faster Recovery
- Decreased Seizure Severity
- Fewer Medications
- Improved Alertness, Mood and Memory
- Improved Quality of Life

VNS THERAPY EUROPEAN INDICATION FOR USE
VNS Therapy is indicated for use as an adjunctive therapy in reducing the frequency of seizures in patients whose epileptic disorder is dominated by partial seizures (with or without secondary generalization) or generalized seizures that are refractory to seizure medications. The Model 106 AspireSR® (Seizure Response) features the Automatic Stimulation Mode, which is intended for patients who experience seizures that are associated with cardiac rhythm increases known as ictal tachycardia.

CONTRAINDICATIONS: The VNS Therapy system cannot be used in patients after a bilateral or left cervical vagotomy. Do not use short-wave diathermy, microwave diathermy, or therapeutic ultrasound diathermy on patients implanted with the VNS Therapy system. Diagnostic ultrasound is not included in this contraindication. Cardiac arrhythmia (Model 106 only) — The AutoStim Mode feature should not be used in patients with clinically meaningful arrhythmias or who are using treatments that interfere with normal intrinsic heart rate responses.

WARNING: Physicians should inform patients about all potential risks and adverse events discussed in the VNS Therapy Physician Manuals, including information that VNS Therapy may not be a cure for epilepsy. Since seizures may occur unexpectedly, patients should consult with a physician before engaging in unsupervised activities, such as driving, swimming, and bathing, or in strenuous sports that could harm them or others. A malfunction of the VNS Therapy system could cause painful or direct current stimulation, which could result in nerve damage. Removal or replacement of the VNS Therapy system requires an additional surgical procedure. Patients who have pre-existing swallowing, cardiac, or respiratory difficulties (including, but not limited to, obstructive sleep apnea and chronic pulmonary disease) should discuss with their physicians whether VNS Therapy is appropriate for them since there is the possibility that stimulation might worsen their condition. Postoperative bradycardia can occur among patients with certain underlying cardiac arrhythmias. MRI can be safely performed; however, special equipment and procedures must be used.

ADVERSE EVENTS: The most commonly reported side effects from stimulation include hoarseness (voice alteration), paresthesia (prickling feeling in the skin), dyspnea (shortness of breath), sore throat and increased coughing. The most commonly reported side effect from the implant procedure is infection.

*The information contained here represents partial excerpts of important prescribing information from the product labeling. Patients should discuss the risks and benefits of VNS Therapy with their healthcare provider. Visit www.VNSTherapy.com for more information.

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