

# CONGRESS PROGRAMME

# 32<sup>ND</sup> INTERNATIONAL EPILEPSY CONGRESS

BARCELONA, SPAIN 2<sup>ND</sup> - 6<sup>TH</sup> SEPTEMBER 2017

[www.epilepsybarcelona2017.org](http://www.epilepsybarcelona2017.org)



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## ACKNOWLEDGEMENTS

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

### Educational Programme Committee

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Walter Van Emde Boas (Netherlands)

#### Members

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Marco De Curtis (Italy)

Sándor Beniczky (Denmark)

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Maeike Zijlmans (Netherlands)

Sameer Zuberi (United Kingdom)

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Emilio Perucca (Italy)

### COMMITTEES

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Athanasios Covanis (Greece)

Antonio Russi (Spain)

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Sari Tervonen (Finland)

Shinichi Hirose (Japan)

Rima Nabbout (France)

Philippe Ryvlin (Switzerland)

Rafal Nowak (Spain)

Sheryl Haut (USA)

#### 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 32<sup>nd</sup> International Epilepsy Congress (IEC) in Barcelona, September 2<sup>nd</sup> – 6<sup>th</sup>, 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 32<sup>nd</sup> IEC Scientific and Organising Committee**

## 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 32<sup>nd</sup> 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

	Saturday	Sunday	Monday	Tuesday	Wednesday
Registration	09:00-19:15	07:30-18:30	07:30-18:30	07:30-18:30	07:30-12:30
Coffee break	-	11:30-12:00	11:30-12:00	11:30-12:00	11:30-12:00
Lunch	-	13:30-15:00	13:30-15:00	13:30-15:00	-
Posters	-	10:30-17:30	10:30-17:30	10:30-17:30	-
Poster Tours	-	14:00-15:00	14:00-15:00	14:00-15:00	-
Exhibition	-	09:00-16:30	09:00-16:30	09:00-16:30	-
Cloakroom	13:00-20:15	09:00-18:30	09:00-18:30	09:00-18:30	07:30-12:30
Speakers' Room	12:00-19:00	07:30-18:30	07:30-18:30	07:30-18:30	07:30-11:30

### CERTIFICATES OF ATTENDANCE

Certificates of Attendance may be collected from the Registration Area from Monday 4<sup>th</sup> 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.

## CME ACCREDITATION

The 32<sup>nd</sup> 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](http://www.uems.net).

The 32<sup>nd</sup> 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](http://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](mailto: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 6<sup>th</sup> 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 6<sup>th</sup> 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 2<sup>nd</sup> 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.

## 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 2<sup>nd</sup> 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

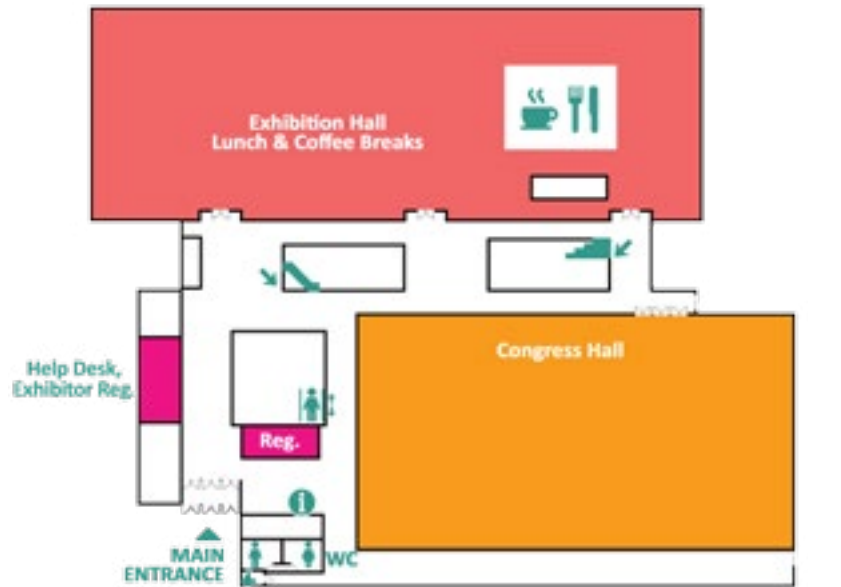
Free WIFI is available in the venue for the duration of the congress to registered delegates.

Network name: epilepsycongress2017

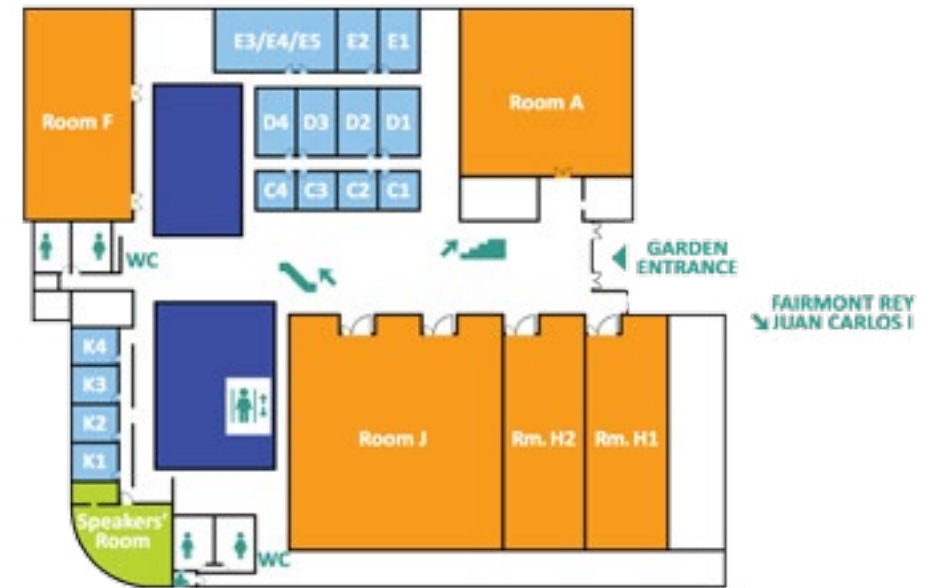
Password: 32iec2017

## CONGRESS CENTRE LAYOUT

### LEVEL 0



### LEVEL -1





# 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.

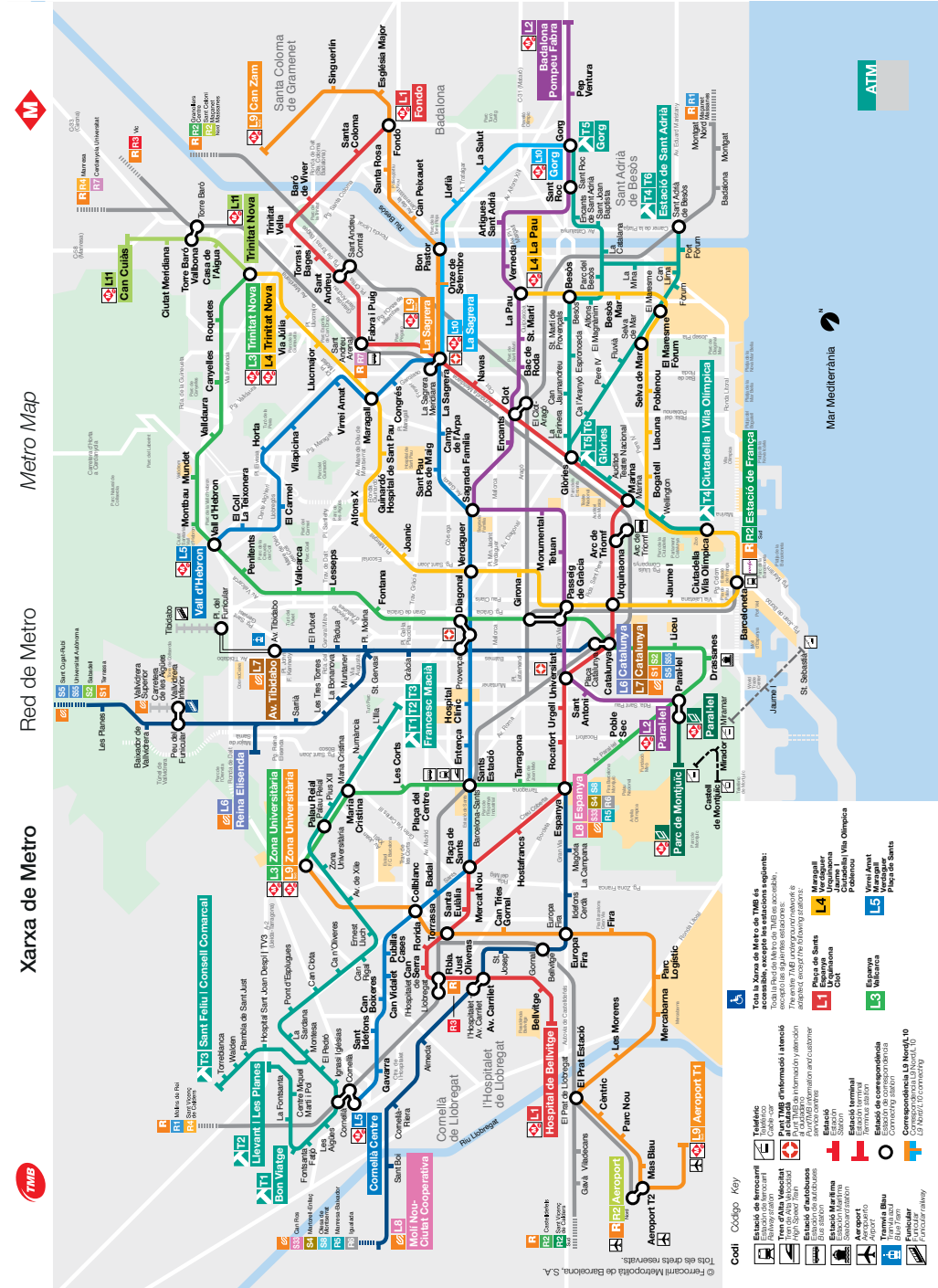
### Getting to Barcelona city from the airport:

- 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.

**Michel Baulac (France)**  
**Giuseppe Capovilla (Italy)**  
**Nathalie Jetté (Canada)**  
**Jaideep Kapur (USA)**  
**Astrid Nehlig (France)**  
**Terence O'Brien (Australia)**  
**Makiko Osawa (Japan)**

**Galo Pesantez Cuesta (Ecuador)**  
**Parthasarthy Satishchandra (India)**  
**Ivan Rektor (Czech Republic)**  
**Eugen Trinkla (Austria)**  
**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 2<sup>nd</sup> September 2017.

## 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 1<sup>st</sup> January to 31<sup>st</sup> 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 2<sup>nd</sup> September, and the winning paper will be presented during the Awards Symposium on Sunday 3<sup>rd</sup> 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 1<sup>st</sup> January to 31<sup>st</sup> 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 2<sup>nd</sup> September, and the winning paper will be presented during the Awards Symposium on Monday 4<sup>th</sup> 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 1<sup>st</sup> January to 31<sup>st</sup> 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 2<sup>nd</sup> September, and the winning paper will be presented during the Awards Symposium on Tuesday 5<sup>th</sup> 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 2<sup>nd</sup> September and the winning paper will be presented during the Awards Symposium on Saturday 2<sup>nd</sup> 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 2<sup>nd</sup> September, 19:00-20:00. Awardees will be presented during the Neurobiology Symposium which will take place on Sunday 3<sup>rd</sup> 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 31<sup>st</sup> 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 32<sup>nd</sup> International Epilepsy Congress. Almost 1,200 abstracts were received in 20 categories.

Abstracts may be viewed online on the congress website:  
[www.epilepsybarcelona2017.org](http://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 32<sup>nd</sup> 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)	Oliver Riley (United Kingdom)
Nuria Campora (Argentina)	Taha Gholipour (USA)
Ying Xu (Australia)	Manuel Couyoupetrou (Argentina)
Caroline Neuray (Austria)	Xiaosa Chi (China)
Marina Coelho Gonsales (Brazil)	Lady Diana Ladino (Colombia)
Sebastian Ruge Møller (Denmark)	Noha Tharwat (Egypt)
Devavrat Nene (India)	Lisa-Marie Neupert (Germany)
Giulia Monti (Italy)	RamshekharN Menon (India)
Marienke A.A.M. de Bruijn (Netherlands)	Lokesh Tiwari (India)
Ben Wijnen (Netherlands)	Lidia Di Vito (Italy)
Kyle H Bennett (United Kingdom)	Loretta Giuliano (Italy)
Felix Chan (United Kingdom)	Samar Abbas (Lebanon)
Gabriela Reyes Valenzuela (Argentina)	Victor Navarrete-Modesto (Mexico)
Hui Ming Khoo (Canada)	Prakash Paudel (Nepal)
Benoit Girard (France)	Annick Melanie Magnerou (Senegal)
Stefan Wolking (Germany)	Kevin Hampel (Spain)
Francesca Furia (Italy)	José David Herrera-García (Spain)
Symon Kariuki (Kenya)	Sara Baldini (Switzerland)
Youssoufa Maiga (Mali)	Natrujee Wiwattanadittakul (Thailand)
Kenia Pardo-Peña (Mexico)	Cihan Isler (Turkey)
Evelien Geertsema (Netherlands)	Müberra Tanrıverdi (Turkey)
Nicole van Klink (Netherlands)	Valeriy Cheburakhin (Ukraine)
Nadia Kafui Adotevi (New Zealand)	Yevgeniya Lekomtseva (Ukraine)
Barbara Pijet (Poland)	Rosaly Gonzalez Zerpa (Venezuela)
Lorenzo Caciagli (United Kingdom)	

# SCIENTIFIC PROGRAMME INFORMATION

## IBE Bursary Recipients

Dash Gopal Krishna (India)  
 Mauricio Olave Aguirre (Colombia)  
 Luliia 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)  
 Doga Coskun (Turkey)  
 Nihan Carack Yilmaz (Turkey)  
 Rabia Warraich (United Kingdom)  
 Stanislav Malyshev (Russia)  
 Cholpon Shambetova (Kyrgyz Republic)  
 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 (Australia)  
 Barbara Rosso (Argentina)  
 Ovidio Solano Cabrera (El Salvador)  
 Rochelle Soranzo (Canada)  
 Go Taniguchi (Japan)  
 Line Mandix Thorsen (Denmark)  
 Erwin van Vliet (Netherlands)  
 Johan Zelano (Sweden)  
 Showen Zhang (China)  
 Maeike Zijlmans (Netherlands)  
 Tianjay Josephine Kamanda (Sierra Leone)

## FULL CONGRESS TIMETABLE

32nd International Epilepsy Congress		Saturday, Sep 2		Sunday, Sep 3		Monday, Sep 4		Tuesday, Sep 5		Wednesday, Sep 6	
07:30-08:00											
08:00-08:30				Satellite Symposium	Teaching Session x 4	Teaching Session x 4	Teaching Session x 4	Teaching Session x 4	Teaching Session x 4	Teaching Session x 4	Teaching Session x 4
08:30-09:00											
09:00-09:30				Satellite Symposium	Presidential Symposium	Presidential Symposium	Main Session	Main Session	Main Session	Main Session	Main Session
09:30-10:00							Break	Break	Break	Break	Break
10:00-10:30				Parallel Session x 4	Parallel Session x 4	Parallel Session x 4	Parallel Session x 4	Parallel Session x 4	Parallel Session x 4	Parallel Session x 4	Parallel Session x 4
10:30-11:00											
11:00-11:30											
11:30-12:00											
12:00-12:30				Neurobiology Symposium	Parallel Session x 4	Parallel Session x 4	Parallel Session x 4	Parallel Session x 4	Parallel Session x 4	Parallel Session x 4	Parallel Session x 4
12:30-13:00											
13:00-13:30											
13:30-14:00	WONCEP Highlights										
14:00-14:30											
14:30-15:00											
15:00-15:30	Award Symposium										
15:30-16:00											
16:00-16:30	Satellite Symposium										
16:30-17:00											
17:00-17:30	Parallel Session x 4			Ask the Expert	Debate x 2	Debate x 2	Debate x 2	Debate x 2	Debate x 2	Debate x 2	Debate x 2
17:30-18:00	Social Session			Satellite Symposium	Satellite Symposium	Satellite Symposium	Satellite Symposium	Satellite Symposium	Satellite Symposium	Satellite Symposium	Satellite Symposium
18:00-18:30											
18:30-19:00	Welcome Ceremony										
19:00-19:30											
19:30-20:00											
20:00-20:30	Welcome Reception										
20:30-21:00											

Session topics:  
 Clinical  
 Paediatrics  
 Social  
 Translational  
 Integrated pathophysiology/clinical/social  
 Management issues (medical or surgical)

# SCIENTIFIC PROGRAMME INFORMATION

## SATURDAY 2<sup>ND</sup> SEPTEMBER

	CONGRESS HALL	ROOM A	ROOM F
13.00-13.30		WONOEP Highlights	VIREPA COURSE - EEG Basic/Advanced
13.30-14.00			
14.00-14.30			
14.30-15.00			
15.00-15.30			
15.30-16.00		Satellite Symposium	Satellite Symposium
16.00-16.30			
16.30-17.00			
17.00-17.30	Network Imaging in epilepsy	The epilepsy autism conundrum	Advances in research in PME of Lafora: searching for a cure
17.30-18.00			
18.00-18.30			
18.30-19.00			
19.00-19.30	Welcome Ceremony		
19.30-20.00			
20.00-20.30	Welcome Reception (Garden Restaurant)		
20.30-21.00			

ROOM H1	ROOM H2	ROOM J
CASE-ORIENTED SERIES - Non Psychiatric Comorbidities		VIDEO SERIES - Nocturnal events: epilepsy/parasomnia
Michael Prize Symposium		
Stronger together - advocating together for research, comprehensive care and involvement of patients with epilepsy		MicroRNA in epilepsy

## SATURDAY 2<sup>nd</sup> SEPTEMBER

13:00 – 14:30 **Teaching Session**  
Room A  
**VIREPA Course**  
  
**EEG-Basic**  
Bogdan Lorber (Slovenia)  
  
**EEG-Advanced**  
Michaelis Koutroumanidis (United Kingdom)

13:00 – 14:30 **Teaching Session**  
Room H1  
**Case Oriented Series**  
  
**Non-psychiatric comorbidities**  
Martin Brodie (United Kingdom)  
  
**Non-psychiatric comorbidities**  
Alla Guekht, (Russia)

13:00 – 14:30 **Teaching Session**  
Room J  
**Video Series**  
  
**Nocturnal events: epilepsy/parasomnia**  
Al de Weerd (Netherlands)  
  
**Nocturnal events: epilepsy/parasomnia**  
Sándor Beniczky (Denmark)

14:30 – 15:00 **Award Symposium**  
Room H1  
**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)

15:30 – 17:00 **Satellite Symposium**  
Room A  
Please see page 78 for details

15:30 – 17:00 **Satellite Symposium**  
Room F  
Please see page 78 for details

17:00 – 18:30 **Parallel Session**  
Congress Hall  
**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 2<sup>ND</sup> 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)

#### **Advocating for epilepsy and making change in social and health care policy**

Brian Hayes, Member of the European Parliament (MEP) (Ireland)

### 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)

# SCIENTIFIC PROGRAMME INFORMATION

SATURDAY 2<sup>nd</sup> SEPTEMBER

**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)

13<sup>TH</sup> EUROPEAN CONGRESS  
ON EPILEPTOLOGY | SUN 26<sup>TH</sup> - THURS 30<sup>TH</sup>  
AUGUST 2018



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# SCIENTIFIC PROGRAMME INFORMATION

## SUNDAY 3<sup>rd</sup> SEPTEMBER

	Posters	CONGRESS HALL	ROOM A	ROOM F
08:00-08:30				
08:30-09:00			VIREPA COURSE - Neuroimaging	Satellite Symposium
09:00-09:30				
09:30-10:00	Set-up	Presidential Symposium: New Classification		
10:30-10:30				
10:30-11:00	Posters			
11:00-11:30				
11:30-12:00				Break
12:00-12:30		Clinical approach to status epilepticus	Innovation in epilepsy surgery: Keeping promises?	
12:30-13:00				
13:00-13:30				
13:30-14:00				
14:00-14:30				Break &
14:30-15:00				
15:00-15:30				Epilepsia Prize Award Symposium
15:30-16:00		PAEDIATRIC EPILEPSIES 1		EPILEPSY SURGERY 1
16:00-16:30				
16:30-17:00			Satellite Symposium	
17:00-17:30				VIDEO SESSION - Seizures and epilepsies in adults
17:30-18:00				
18:00-18:30	Removal	Satellite Symposium		Satellite Symposium
18:30-19:00				
19:00-19:30				

# 32<sup>ND</sup> INTERNATIONAL EPILEPSY CONGRESS

ROOM H1	ROOM H2	ROOM J
CASE ORIENTED SERIES - Epileptic Encephalopathies	ADVANCED EEG	VIDEO SERIES - Neonatal seizures/non epileptic events
Break		
Management of epilepsy in resource-limited settings	Ketogenic therapies: state of the art	Neurobiology Symposium
Posters		
BASIC SCIENCE 1	LIVING WITH SEIZURES/EPILEPSY 1	CLINICAL NEUROPHYSIOLOGY 1
DEBATE - Pacing ictal asystole?	DEBATE - Will gene and cell therapy be clinically-relevant for epilepsy?	ASK THE EXPERT - Classification

## SUNDAY 3<sup>rd</sup> SEPTEMBER

08:00 – 09:30 **Teaching Session**  
Room A  
**VIREPA Course**

**Neuroimaging**  
Petr Marusic (Czech Republic )

**New course formats: Neuroimaging**  
Stefan Rampp (Germany)

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

**Epileptic encephalopathies**  
Rima Nabbut (France)

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

**Advanced EEG**  
Maeike Zijlmans (Netherlands)

**Advanced EEG**  
Sándor Beniczky (Denmark)

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

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

**Neonatal seizures/non-epileptic events**  
Monika Eisermann (France)

**Neonatal seizures/non-epileptic events**  
Jo Wilmshurst (South Africa)

09:30 – 11:30 **Presidential Symposium**  
Congress Hall  
**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)

12:00 – 13:30 **Parallel Session**  
Congress Hall  
**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 Trinkla (Austria)

## SUNDAY 3<sup>rd</sup> 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) (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

Boulenouar Mesraoua (Qatar)

### Management of epilepsy in resource-limited settings: establishing an epilepsy surgery program

Ali Asadi-Pooya (Iran, Islamic Republic of)

### Management of epilepsy in resource-limited settings: telemedicine

Victor Patterson (Nepal)

### Management of epilepsy in resource-limited settings: epilepsy care guidelines

Gretchen Birbeck (Zambia)

### 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)

## SUNDAY 3<sup>rd</sup> 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 Ca<sup>2+</sup> 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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## SUNDAY 3<sup>rd</sup> 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

## SUNDAY 3<sup>rd</sup> SEPTEMBER

17:00 – 18:00 **Debate**  
Room H1  
**Pacing ictal asystole?**  
**Pacing ictal asystole? – PRO**  
Rainer Surges (Germany)  
**Pacing ictal asystole? – CON**  
Felix Rosenow (Germany)

17:00 – 18:00 **Debate**  
Room H2  
**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)

17:00 – 18:00 **Video Session**  
Room F  
**Seizures and epilepsies in adults**  
**Seizures and epilepsies in adults**  
Jacqueline French (USA)  
**Seizures and epilepsies in adults**  
Sam Berkovic (Australia)

17:00 – 18:00 **Ask the Experts**  
Room J  
**Classification**  
**Classification**  
Ingrid Scheffer (Australia)  
**Classification**  
Sameer Zuberi (United Kingdom)

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

18:10 – 19:40 **Satellite Symposium**  
Room F  
Please see page 80 for details



# SCIENTIFIC PROGRAMME INFORMATION

### MONDAY 4<sup>TH</sup> SEPTEMBER

	Posters	CONGRESS HALL	ROOM A	ROOM F
08:00-08:30			VIREPA COURSE Paediatric EEG/ Sleep and Epilepsy	MISCELLANEOUS SERIES - Epilepsy and Disability
08:30-09:00				
09:00-09:30				
09:30-10:00	Set-up	Novel Technologies for epilepsy - Opportunities and pitfalls		
10:30-10:30	Posters			
10:30-11:00				
11:00-11:30				
11:30-12:00		<i>Break</i>		
12:00-12:30		Seizure detection in ambulatory patients	Myths in epilepsy and psychiatry: what is the evidence?	Neonatal Seizures from Bench to Incubator
12:30-13:00				
13:00-13:30				
13:30-14:00				
14:00-14:30		<i>Break &amp; P</i>		
14:30-15:00				
15:00-15:30			Epilepsia Prize Award Symposium	
15:30-16:00		DRUG THERAPY	GENETICS 1	EPIDEMIOLOGY 1
16:00-16:30				
16:30-17:00				
17:00-17:30	Removal	VIDEO SESSION - Seizures and epilepsies in children	ASK THE EXPERTS - Womens' Issues	DEBATE - Is ictal scalp-EEG recording mandatory for epilepsy surgery?
17:30-18:00				
18:00-18:30				
18:30-19:00				
19:00-19:30				

ROOM H1	ROOM H2	ROOM J	PRESS ROOM II
CASE ORIENTED SERIES - Surgical cases, adults	Satellite Symposium	VIDEO SERIES - Paediatric semiology: epileptic/non epileptic	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
		Stress: a key factor in epilepsy and co-morbidities	
Rare and complex epilepsies: addressing the needs of PWE and their families		Autoimmunity and inflammation in epilepsy	
NEUROIMAGING	LIVING WITH SEIZURES/EPILEPSY 2	Use of intracranial recordings in presurgical assessment: Is it worth it?	
BASIC SCIENCE 2	DEBATE - Do the cognitive benefits of temporal lobe surgery outweigh the cognitive risks?		
		Satellite Symposium	

## MONDAY 4<sup>th</sup> SEPTEMBER

08:00 – 09:30 **Teaching Session**  
Room A  
**VIREPA COURSE**  
  
**EEG-Paediatric**  
Monika Eisermann (France)  
  
**Sleep and epilepsy**  
Al de Weerd (Netherlands)

08:00 – 09:30 **Teaching Session**  
Room H1  
**Case Oriented Series**  
  
**Surgical cases, adults**  
Çigdem Ozkara, Turkey  
  
**Surgical cases, adults**  
Antonio Gil-Nagel, (Spain)

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

08:00 – 09:30 **Teaching Session**  
Room F  
**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)

08:00 – 09:30 **Teaching Session**  
Room J  
**Video Series**  
  
**Paediatric semiology: epileptic/non-epileptic**  
Dana Craiu (Romania)  
  
**Paediatric semiology: epileptic/non-epileptic**  
Lieven Lagae (Belgium)

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

09:30 – 11:30 **Main Session**  
Congress Hall  
**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)

## MONDAY 4<sup>th</sup> SEPTEMBER

### 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 Nababout (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 4<sup>th</sup> 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: Aristeia Galanopoulou (USA) Lucia Fusco (Italy)*

#### **Pathophysiology of neonatal seizures**

Mathieu Milh (France)

#### **This is a seizure, this is not: Mice pups**

Aristeia 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-GABA<sub>B</sub>R and anti-LGI1 autoimmune epilepsy**

Mariénke 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 4<sup>TH</sup> 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)

- 0048** EEG source connectivity to localize the seizure onset zone from clinical ictal EEG in refractory epilepsy patients  
Pieter van Mierlo (Belgium)
- 0049** IntraAnat Electrodes: a free software to visualize SEEG data in patient referential and initiate group studies  
Lena Trebaul (France)
- 0050** In-vivo imaging of activated NMDA receptor ion channels with the radioligand 18F-GE179  
Ali Vibholm (Denmark)

### 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)

## MONDAY 4<sup>th</sup> 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 Serratos (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)

### Risks and costs of chronic intracranial recordings

Beate Diehl (United Kingdom)

### 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)

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## MONDAY 4<sup>TH</sup> SEPTEMBER

**0054**      **The Mash1+/- 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)

**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 Trinkla (Austria)

**Satellite Symposium**

Room J

18:00 – 19:30      Please see page 81 for details

# SCIENTIFIC PROGRAMME INFORMATION

### TUESDAY 5<sup>TH</sup> SEPTEMBER

	Posters	CONGRESS HALL	ROOM A	ROOM F	
08:00-08:30			VIDEO SERIES - Paroxysmal Motor Phenomena: epilepsy or movement disorder?		
08:30-09:00					
09:00-09:30					
09:30-10:00	Posters	Precision medicine in epilepsy			
10:30-10:30					
10:30-11:00					
11:00-11:30					
11:30-12:00				<i>Brea</i>	
12:00-12:30		Precision medicine: Harnessing the power of stem cells	Infantile spasms: state of the art	Novel technology to monitor and reduce seizure-related risks	
12:30-13:00					
13:00-13:30					
13:30-14:00					
14:00-14:30					<i>Break &amp; F</i>
14:30-15:00					
15:00-15:30				Epileptic Disorder Prize Award Symposium	
15:30-16:00			ADULT EPILEPTOLOGY	GENETICS 2	EPILEPSY SURGERY 2
16:00-16:30					
16:30-17:00				<i>Brea</i>	
17:00-17:30	Removal	VIDEO SESSION - Seizures and epilepsies in neonates	DEBATE - Are we ready for testing interventions to prevent SUDEP?		
17:30-18:00					
18:00-18:30					
18:30-19:00					
19:00-19:30					

ROOM H1	ROOM H2	ROOM J	PRESS ROOM II
CASE ORIENTED SERIES - Epilepsy Case Mangement in Resource Limited settings	MISCELLANEOUS - Pediatric epilepsy surgery	VIREPA COURSE - ILAE Wikipedia project and other internet possibilities	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
		Epileptic encephalopathies: Concept, treatment and outcome	
<i>ik</i>			
Interventions for cognitive dysfunction in epilepsy	How to Publish in ILAE Journals	Cannabinoids in epilepsy: the new frontier of pharmacological treatment	
<i>Posters</i>			
BASIC SCIENCES 3	EPIDEMIOLOGY 2	PAEDIATRIC EPILEPSIES 2	
<i>ik</i>			
CLINICAL NEUROPHYSIOLOGY 2	DEBATE - Will precision medicine in epilepsy require systematic genetic screening?	ASK THE EXPERT - Managing difficult cases of epilepsy in childhood	
		Satellite Symposium	



## TUESDAY 5<sup>th</sup> 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  
Room J

08:00 – 09:30 **VIREPA Course**

**ILAE Wikipedia project and other internet possibilities**  
Kate Riney (Australia)

**ILAE Wikipedia project and other internet possibilities**  
Sam Wiebe (Canada)

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 5<sup>th</sup> 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 Vigeveno (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 Eisermann (France) & Sheffali Gulati (India)*

#### **Early diagnosis is key: can we do better?**

Monika Eisermann (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)

## TUESDAY 5<sup>th</sup> SEPTEMBER

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)

Parallel Session  
Room J

12:00 – 13:30 **Cannabinoids in epilepsy: the new frontier of pharmacological treatment**

*Co-chairs: Vicente Villanueva (Spain) & Jaime Parra (Spain)*

**Cannabis: a historical perspective in the treatment of neurological disease**  
Hari Bhathal (Spain)

**The endocannabinoid system, seizure and epilepsy**  
Istvan Katona (Hungary)

**Results of clinical trial: do they match expectations?**  
Bruria Ben-Zeev (Israel)

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 5<sup>th</sup> 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**  
Ischia 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 H2

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 5<sup>th</sup> 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)

### Platform Session

Room J

15:30 – 16:30

### Paediatric Epilepsies 2

*Co-chairs: Ronit Pressler (United Kingdom) & Solomon L. Moshé (USA)*

- 0081**      **Abnormal electrophysiological properties of A1783T mutation in SCN1A may causes SMEI**  
Yang Zeng (China)
- 0082**      **Long-term surgical outcome in paediatric patients with focal cortical dysplasia**  
Eva Martinez Lizana (Germany)
- 0083**      **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)
- 0084**      **High agreement in the evaluation of structural MRI characteristics in tuberous sclerosis complex**  
Hanna Mai Hulshof (Netherlands)
- 0085**      **Neuropsychological and behavioural disorders screening program in new-onset childhood epilepsies. Preliminary results using child behaviour checklist evaluation**  
Faustine Iliski 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 5<sup>th</sup> 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

### WEDNESDAY 6<sup>TH</sup> SEPTEMBER

	ROOM A	ROOM F		ROOM H1	ROOM H2	ROOM J
08:00-08:30	VIDEO SERIES - Testing during & after epileptic seizures	MISCELLANEOUS SERIES - Role of Diets in the management of epilepsy		CASE ORIENTED SERIES - Psychiatric/Cognitive comorbidities	MISCELLANEOUS SERIES - Participation in drug studies: Do's and Dont's	VIREPA COURSE - ILAE Educational Portal & Epileptic Disorders
08:30-09:00						
09:00-09:30						
09:30-10:00						
10:30-10:30						Understanding the nature of seizures
10:30-11:00						
11:00-11:30						
11:30-12:00						Break
12:00-12:30						Congress Highlights Session
12:30-13:00						
13:00-13:30						
13:30-14:00						

## WEDNESDAY 6<sup>th</sup> 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



## 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**

## SATELLITE SYMPOSIUM

### Satellite Symposium

Congress Hall

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**

### Satellite Symposium

Room F

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

4.9.2017

### 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

[www.epilepsybarcelona2017.org](http://www.epilepsybarcelona2017.org)

## 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 3<sup>rd</sup> to Tuesday 5<sup>th</sup> 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 32<sup>nd</sup> 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 32<sup>nd</sup> IEC website [www.epilepsybarcelona2017.org](http://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

- |      |   |
|------|---|
| 240  | Factors affecting the number of oligodendrocytes in human temporal lobe epilepsy: a clinicopathological study.<br><u>Miyata, Sugie, Kawamura, Hori.</u>                                     |
| 561  | Audit of epilepsy healthcare provision in a large UK category B prison.<br><u>Thomasson, Coyle, Reynolds, Lees, Partington, Cooper.</u>   |
| 617  | Neuronal autoantibodies are infrequently associated with mesial temporal lobe epilepsy with hippocampal sclerosis<br><u>Nobrega-Jr AW1, Gregory, Schindwein-Zanini, Wolf, Steindel, Lin</u> |
| 786  | Juvenile Myoclonic Epilepsy: Long-term prognosis and treatment withdrawal.<br><u>Vloria Alebesque, Bellosta Diago, Santos Lasaosa, Mauri Llerda.</u>  |
| 803  | Seizure semiology versus subjectivity: a linguistic approach to understanding focal aware seizures.<br><u>Sanchez-Davies.</u>   |
| 1456 | The modified Atkins diet in patients with refractory epilepsy and intellectual disability – a randomized controlled trial .<br><u>Hulshof, Jansen, Braun, Carpay.</u>                       |

### Basic Sciences

- |     |   |
|-----|---|
| 780 | Online hydrogen peroxide measurement during oxidative stress generated by seizure activity using a high temporal resolution |
|-----|---|

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

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

1050 Different mossy fiber sprouting patterns in ILAE hippocampal sclerosis types.  
Schmeiser, Li, Brandt, Zentner, Doostkam, Freiman.

1181 Perivascular PDGFR cells participate to inflammation during in vivo epileptogenesis and in vitro ictogenesis.  
Klement, Runtz, Girard, Fayd'herbe, Smith, Morin-Brureau, Bertaso, De Bock, Marchi.

## Clinical Neurophysiology

242 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, Höfler, Leitinger, Dobesberger, Kalss, Rohrer, Neuray, Wakonig, Ernst, Trink.

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

396 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.  
Brazdil, Pail, Halánek, Plešinger, Cimbálník, Roman, Klimeš P, Daniel, Chrastina, Brichtová, Rektor, Worrell, Jurák.

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, Zetehaku, Torres Corso, Visona Figueiredo, Guaranha, 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.

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, Bazil, Choi, McKhann, Pack, Sheth, Srinivasan, Schevon.

## Drug Therapy

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

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).  
Nabbout, Franz, Lawson, Curatolo, Neary, Fan, Herbst, Sully, Brohan, de Vries.

929 Perampanel in routine clinical use across Europe: pooled observational studies.  
Rohracher, Zimmermann, Villanueva, Garamendi, Sander, Shankar, Ben-Menachem, Brodie, Pensel, Wehner, Di Gennaro, Maurousset, Strzelczyk, Rheims, Rącz, Menzler, Bertol-Alegre, García-Morales, López-González, Toledo, Trinkka.

- 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.  
A-Hakam, Ali, Alfaki.

## 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, Raharivelo, Newton, Dufat, Preux.

## Epilepsy in the elderly

- 1537 Perampanel use in older people with epilepsy: pooled data from European observational studies.  
Neuray, Zimmermann, Villanueva, Garamendi, Sander, Shankar, Ben-Menachem, Brodie, Pensel, Wehner, Di Gennaro, Maurousset, Strzelczyk, Rheims, Rácz, Knake, Bertol-Alegre, García-Morales, López-González, Toledo, Trinko.

## Epilepsy Surgery

- 706 Outcome and prognostic factors of epilepsy surgery in children with focal cortical dysplasia.  
Choi, Kim, Kim, Kim, Lim, Hwang, Choi, Chae, Kim.
- 947 High frequency oscillations in tumour related epilepsy.  
van Klink, Zweiphenning, Miller, Aronica, Braun, Zijlmans.
- 979 SEEG-guided radiofrequency thermocoagulation for the treatment of intractable focal epilepsy.

- 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, Dorfmueller.
- 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.  
Wolking, Stapleton, Schulz, Nies, McCormack, Schubert, Schwab, Sander, Cavalleri, Lerche, EpiPGX Consortium.
- 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.  
Larsen, Hao, Kako, Olofsson, Mirand, Kinali, Borggräfe, Svaneby, Nielsen, Lavard, Uldall, Talvik, Talvik, Fusco, Spagnoli, Frangu, Born,

Striano, Pal, Oates, Gellert, Nikanorova, Petersen, Lautrup, Brusgaard, Dunkhase-Heinl, Rokkjær, Bayat, Petkov, Børresen, Jepsen, Marjanovic, Hjalgrim, Dahl, Møller.

- 1377 Recessive variants in VARS cause a clinical syndrome with severe developmental delay, epilepsy and microcephaly.  
Siekierska, Stamberger, Sourbron, Deconinck, Kecskes, Opreescu, Waisfisz, Helbig, Hardies, Shinde, Jähn, Muhle, Pendziwiat, Helbig, Hersh, Lakeman, Schmitt, Von Spiczak, Weiss, Weckhuysen, May, Balling, Antonellis, De Jonghe, de Witte, EuroEPINOMICS-RES consortium AR working group.
- 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.

- 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 subtracted with interictal FDG-PET for seizure onset focus localization.  
Perissinotti, Niñerola-Baizán, Rubí, Carreño, Donaire, Bargalló, Rumiá, Martí-Fuster, Pavía, 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

- 1542 Poorly controlled seizures disrupt resting state networks in patients with generalized epilepsies  
García, 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  
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 callosotomy or hemispherotomy in paediatric epilepsy patients.  
Ko, Pae, Oh, Eom, Kim, Kang, Kim, 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 Spronsen.

1606 Pathogenic variants in KCTD7 perturb neuronal K+ fluxes and glutamine transport.  
Moen MN1, Fajaer, El Hassan, El Khashab, Salih MA5, 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.  
Nguyen, Serratosa, Gonzales, Genton, Michelucci, Sinha, Chandra, Beydoun, Arabi, Kecmanovic, Whitehouse, Martinez-Juarez, Guilhoto, Salas-Puig, Ben-Menachem, Goldsmith, Duron, Medina, Bailey, Gentry M18, Minassian, Delgado-Escueta.

## 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.

- 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

- 235 Miscarriages in Pregnant Women with Epilepsy: Findings from the MONEAD Study.  
Meador, Pennell, May, McElrath, Gerard, Kalayjian, Velez-Ruiz, Gedzelman, Penovich, Cavitt, Hwang, Pack, Moore, Ippolito, Sam, MONEAD Investigator Group.

## Adult Epileptology

- 240 Factors affecting the number of oligodendrocytes in human temporal lobe epilepsy: a clinicopathological study.  
Miyata, Sugie, Kawamura, Hori.
- 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, Schlindwein-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

### Adult Epileptology

- 240 Factors affecting the number of oligodendrocytes in human temporal lobe epilepsy: a clinicopathological study.  
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- 617 Neuronal autoantibodies are infrequently associated with mesial temporal lobe epilepsy with hippocampal sclerosis  
Nobrega-Jr AW1, Gregory, Schlindwein-Zanini, Wolf, Steindel, Lin

### POSTER TOURS

Poster Tour Name	Poster Tour Date	Poster Tour Time
Adult Epileptology 1	03/09/2017	13:30-15:00
Adult Epileptology 2	03/09/2017	13:30-15:00
Adult Epileptology 3	03/09/2017	13:30-15:00
Adult Epileptology 4	04/09/2017	13:30-15:00
Adult Epileptology 5	04/09/2017	13:30-15:00
Adult Epileptology 6	05/09/2017	13:30-15:00
Adult Epileptology 7	05/09/2017	13:30-15:00
Adult Epileptology 8	05/09/2017	13:30-15:00
Basic Science 1	03/09/2017	13:30-15:00
Basic Science 2	03/09/2017	13:30-15:00
Basic Science 3	03/09/2017	13:30-15:00
Basic Science 4	03/09/2017	13:30-15:00
Basic Science 5	04/09/2017	13:30-15:00
Basic Science 6	04/09/2017	13:30-15:00
Basic Science 7	04/09/2017	13:30-15:00

Basic Science 8	05/09/2017	13:30-15:00
Basic Science 9	05/09/2017	13:30-15:00
Basic Science 10	05/09/2017	13:30-15:00
Clinical Nuerophysiology 1	03/09/2017	13:30-15:00
Clinical Nuerophysiology 2	03/09/2017	13:30-15:00
Clinical Nuerophysiology 3	03/09/2017	13:30-15:00
Clinical Nuerophysiology 4	04/09/2017	13:30-15:00
Clinical Nuerophysiology 5	04/09/2017	13:30-15:00
Clinical Nuerophysiology 6	04/09/2017	13:30-15:00
Clinical Nuerophysiology 7	05/09/2017	13:30-15:00
Clinical Nuerophysiology 8	05/09/2017	13:30-15:00
Clinical Nuerophysiology 9	05/09/2017	13:30-15:00
Comorbidities 1	03/09/2017	13:30-15:00
Comorbidities 2	04/09/2017	13:30-15:00
Comorbidities 3	05/09/2017	13:30-15:00
Drug Therapy 1	03/09/2017	13:30-15:00
Drug Therapy 2	03/09/2017	13:30-15:00
Drug Therapy 3	03/09/2017	13:30-15:00
Drug Therapy 4	03/09/2017	13:30-15:00
Drug Therapy 5	04/09/2017	13:30-15:00
Drug Therapy 6	04/09/2017	13:30-15:00
Drug Therapy 7	04/09/2017	13:30-15:00
Drug Therapy 8	04/09/2017	13:30-15:00
Drug Therapy 9	04/09/2017	13:30-15:00
Drug Therapy 10	05/09/2017	13:30-15:00
Drug Therapy 11	05/09/2017	13:30-15:00
Drug Therapy 12	05/09/2017	13:30-15:00
Drug Therapy 13	05/09/2017	13:30-15:00
Drug Therapy 14	05/09/2017	13:30-15:00

Epidemiology 1	03/09/2017	13:30-15:00
Epidemiology 2	03/09/2017	13:30-15:00
Epidemiology 3	04/09/2017	13:30-15:00
Epidemiology 4	05/09/2017	13:30-15:00
Epilepsy in the elderly	05/09/2017	13:30-15:00
Epilepsy in severely resource restricted settings 1	03/09/2017	13:30-15:00
Epilepsy in severely resource restricted settings 2	04/09/2017	13:30-15:00
Epilepsy Surgery 1	03/09/2017	13:30-15:00
Epilepsy Surgery 2	03/09/2017	13:30-15:00
Epilepsy Surgery 3	03/09/2017	13:30-15:00
Epilepsy Surgery 4	04/09/2017	13:30-15:00
Epilepsy Surgery 5	04/09/2017	13:30-15:00
Epilepsy Surgery 6	04/09/2017	13:30-15:00
Epilepsy Surgery 7	05/09/2017	13:30-15:00
Epilepsy Surgery 8	05/09/2017	13:30-15:00
Genetics 1	03/09/2017	13:30-15:00
Genetics 2	04/09/2017	13:30-15:00
Genetics 3	04/09/2017	13:30-15:00
Genetics 4	05/09/2017	13:30-15:00
Genetics 5	05/09/2017	13:30-15:00
Neuroimaging 1	03/09/2017	13:30-15:00
Neuroimaging 2	03/09/2017	13:30-15:00
Neuroimaging 3	04/09/2017	13:30-15:00
Neuroimaging 4	04/09/2017	13:30-15:00
Neuroimaging 5	05/09/2017	13:30-15:00
Neuroimaging 6	05/09/2017	13:30-15:00
Neuroimaging 7	05/09/2017	13:30-15:00
Neuropsychology 1	03/09/2017	13:30-15:00
Neuropsychology 2	03/09/2017	13:30-15:00

Neuropsychology 3	04/09/2017	13:30-15:00
Neuropsychology 4	05/09/2017	13:30-15:00
Neurostimulation 1	03/09/2017	13:30-15:00
Neurostimulation 2	04/09/2017	13:30-15:00
Neurostimulation 3	05/09/2017	13:30-15:00
Paediatric Epileptology 1	03/09/2017	13:30-15:00
Paediatric Epileptology 2	03/09/2017	13:30-15:00
Paediatric Epileptology 3	03/09/2017	13:30-15:00
Paediatric Epileptology 4	03/09/2017	13:30-15:00
Paediatric Epileptology 5	03/09/2017	13:30-15:00
Paediatric Epileptology 6	03/09/2017	13:30-15:00
Paediatric Epileptology 7	04/09/2017	13:30-15:00
Paediatric Epileptology 8	04/09/2017	13:30-15:00
Paediatric Epileptology 9	04/09/2017	13:30-15:00
Paediatric Epileptology 10	04/09/2017	13:30-15:00
Paediatric Epileptology 11	04/09/2017	13:30-15:00
Paediatric Epileptology 12	05/09/2017	13:30-15:00
Paediatric Epileptology 13	05/09/2017	13:30-15:00
Paediatric Epileptology 14	05/09/2017	13:30-15:00
Paediatric Epileptology 15	05/09/2017	13:30-15:00
Paediatric Epileptology 16	05/09/2017	13:30-15:00
Psychiatry 1	03/09/2017	13:30-15:00
Psychiatry 2	04/09/2017	13:30-15:00
Psychiatry 3	05/09/2017	13:30-15:00
Social Issues/Nursing 1	03/09/2017	13:30-15:00
Social Issues/Nursing 2	04/09/2017	13:30-15:00
Social Issues/Nursing 3	04/09/2017	13:30-15:00
Social Issues/Nursing 4	05/09/2017	13:30-15:00
Status Epilepticus 1	03/09/2017	13:30-15:00

Status Epilepticus 2	04/09/2017	13:30-15:00
Status Epilepticus 3	05/09/2017	13:30-15:00
Status Epilepticus 4	05/09/2017	13:30-15:00
Terminology and Classification	05/09/2017	13:30-15:00
Women's Issues 1	03/09/2017	13:30-15:00
Women's Issues 2	04/09/2017	13:30-15:00

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- 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**  
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- p0098** **Clinical characteristics of epileptic seizures associated with protein S deficiency**  
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- 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**  
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- p0103** **Up-regulation of autophagy and mitophagy in refractory temporal lobe epilepsy patients with hippocampal sclerosis**  
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- 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**  
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- 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**  
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- p0108** **Longitudinal bilateral hippocampal N-acetyl-aspartate values obtained using magnetic resonance spectroscopy over more than three years in patients with epilepsy**  
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- 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)

**p0111** **Sleepless in Singapore – characterization of sleep-related seizures in a tertiary institution**  
Minna Sim (Singapore)

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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**  
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**p0116** **Audit of epilepsy healthcare provision in a large UK category B prison**  
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**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**  
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**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?**  
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**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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**p0129** **Experimental model of epilepsy induced by intrahippocampal bethanechol chloride**  
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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 with focal epilepsy**  
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- p0143**     **Regulation of MnSOD activity by Sirt3 against oxidative stress after prolonged status epilepticus**  
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- p0146**     **Anticonvulsant effect of electrical stimulation of the anterior thalamic nucleus on focal cortical seizure in rats**  
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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 progression**  
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- p0149**     **Role of inter-ictal discharges: initiating or delaying seizures?**  
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- p0151**     **Simultaneous quantification of five neuroactive amino acids in different regions of rat brain by HPLC-FLD**  
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- p0152**     **The iPSC-derived neurons made by 2 unrelated protocols currently used for epileptic encephalopathy modelling reveal distinctive electrophysiology features**  
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- p0155** **Anti-oxidant intervention during epileptogenesis delays disease onset and blocks its progression in a rat model of acquired epilepsy**  
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- p0156** **Analysis of effectiveness of Hippophae rhamnoides treatment on ion channel activity in animal model of post-traumatic epilepsy**  
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- p0157** **Influence of gestational DLT exposure on seizure susceptibility and epileptogenesis in iron induced epilepsy model**  
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- p0167** **Focal EEG features and therapeutic response in patients with juvenile absence and myoclonic epilepsy**  
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Karim Tawfik (Egypt)

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- p0172** **Rapid and accurate measurement of 3D positions of high-density EEG array: a pilot study in the clinical setting**  
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- p0185**     **Using MEG-virtual electrodes at depth electrode locations to characterize the seizure onset zone in refractory epilepsy patients**  
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- p0187**     **Correlation between hypnagogic hypersynchrony variants and speech development delay in children**  
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- p0194**     **Long term mortality risk of people with epilepsy who underwent seizure monitoring**  
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- p0198**     **Epilepsy treatment in patients with comorbid anxiety and depression: ethical, clinical and social aspects**  
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- p0199**     **High prevalence of intellectual disability, autism, ADHD and diminished adaptive functioning in Doose syndrome (MAE)**  
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- p0200**     **Facial emotion perception in people with epilepsy: a systematic review with meta-analysis**  
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- p0202**     **Efficacy, safety and tolerability of lacosamide in adults with LGS in the clinical setting**  
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- p0203**     **Adverse events are the main reason for non-adherence to pharmacological treatment of epilepsy in Brazil**  
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- p0204**     **Severe apnea in newborns exposed to lamotrigine in utero, two case reports**  
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- p0206**     **Use pattern and adverse drug reaction profile of newer and conventional antiepileptic drugs in a tertiary care hospital**  
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- p0227**      **Tolerability of antiepileptic drugs**  
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- p0233**      **Lacosamide in patients with brain tumour related epilepsy: effect on seizure control and quality of life**  
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- p0235** **Adjunctive brivaracetam in patients with secondarily generalized tonic-clonic seizures at baseline: pooled results from long-term follow-up studies**  
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- p0237** **Therapeutic drug monitoring for perampanel in Japanese patients with epilepsy**  
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- p0238** **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)**  
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- p0239** **Outcomes of perampanel therapy in patients with symptomatic epilepsy against a background of glial brain tumours**  
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- p0240** **Cannabidiol (CBD) in Dravet syndrome: a randomised, dose-ranging pharmacokinetics and safety trial (GWPCARE1)**  
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- p0244** **Serotonin reuptake inhibitor use and mortality in epilepsy: findings from a contemporary linked electronic health records cohort study**  
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- p0246** **The use of antiepileptic drugs in patients with epilepsy in the Kharkiv region of Ukraine according to the developed electronic registry**  
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- p0247** **Prevalence of juvenile myoclonic epilepsy in people < 30 years of age – a population-based study in Norway**  
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- p0251** **Breakthrough seizures – further analysis of the Standard versus New Antiepileptic Drugs (SANAD) study**  
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- p0253** **A national profile of neurodevelopmental disabilities in Canadian children: data from the National Longitudinal Study of Children and Youth**  
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- p0264**    **Epilepsy surgery perceptions and knowledge in Colombia**  
Lady Diana Ladino (Colombia)

- p0265**    **Neurocysticercosis: a preventable cause of epilepsy in sub-Saharan Africa**  
Athanas Millogo (Burkina Faso)
- p0266**    **Post-traumatic seizures in a rural Nigerian neurosurgical service**  
Taophee Rabiou (Nigeria)
- p0267**    **The role of trained community health volunteer in improving adherence in children with epilepsy in rural Kenya**  
Edwin Maraga (Kenya)
- p0268**    **Posterior reversible encephalopathy syndrome in acute childhood leukemia**  
In Goo Lee (Korea, Republic of)
- p0269**    **Clinical features of seizures in HIV patients with toxoplasma encephalitis**  
Annick Melanie Magnerou- (Senegal)
- p0270**    **Reducing the epilepsy treatment gap in rural Nepal using epilepsy field workers and telephone telemedicine**  
Prakash Paudel (Nepal)
- p0271**    **Quality of carbamazepine in resource-limited settings: ancillary results from the QUAEDAf (Quality of Antiepileptic Drugs in sub-Saharan Africa) study**  
Jeremy Jost (France)
- p0272**    **A screening questionnaire for convulsive seizures: a three-stage field-validation in rural Bolivia**  
Loretta Giuliano (Italy)
- p0273**    **Sickle cell disease revealed by seizures and ischemic stroke: about two cases**  
Olivier Mukuku (DR Congo)

## Epilepsy Surgery 1

- p0274**    **History of surgery for temporal lobe epilepsy**  
Ali Asadi-Pooya (Iran, Islamic Republic of)
- p0275**    **Focal cortical dysplasia: seizure freedom and impact on quality of life after surgery**  
Jitender Chaturvedi (India)

- p0276**     **Surgical outcomes in two different age groups sharing Focal Cortical Dysplasia type II: any real difference?**  
Jorge Luis Ramirez Molina (Colombia)
- p0279**     **Epilepsy surgery in patients with genetic refractory epilepsy: a systematic review**  
Maurits W.C.B. Sanders (Netherlands)
- p0280**     **Comparison in outcomes of dominant vs non-dominant temporal lobectomy for epilepsy**  
Catherine Pringle (United Kingdom)
- p0281**     **Long-term adjustment following epilepsy surgery: the impact of maintaining epilepsy as a part of identity**  
Honor Coleman (Australia)
- p0282**     **Presurgical evaluation and seizure outcome in MRI-negative intractable neocortical epilepsy**  
Koji Iida (Japan)

## Epilepsy Surgery 2

- p0283**     **Coping capacity and quality of life in patients with drug-resistant epilepsy undergoing temporal lobectomy**  
Marilyn Zaldívar (Cuba)
- p0284**     **Integration of high density electroencephalogram source modelling in non-lesional refractory epilepsy for pre-surgical planning**  
Victor Gonzalez Montoya (USA)
- p0285**     **Diagnostic and outcome after surgical treatment of temporal epilepsy in children**  
Konstantin Abramov (Russia)
- p0286**     **Difficulties of pre-surgical epilepsy diagnostic in a case of focal cortical dysplasia type IIIa**  
Ana Miron (Romania)
- p0287**     **Surgical treatment of drug-resistant epilepsies**  
Igor Trifonov (Russia)

- p0288**     **Indirect revascularization surgery in children with symptomatic epilepsy**  
William Khachatryan (Russia)
- p0289**     **Seizure-onset mapping based on time-variant multivariate functional connectivity analysis of high-dimensional intracranial EEG**  
Octavian V Lie (USA)
- p0290**     **Anterior corpus callosotomy in adult patients with MRI-negative frontal lobe epilepsy**  
Go Seyama (Japan)
- p0291**     **Long-term invasive monitoring versus intraoperative corticography: diagnostic efficacy in symptomatic epilepsy**  
Nastasia Arkhipova (Russia)
- p0292**     **Temporal lobe encephaloceles: a surgically treatable cause of drug resistant epilepsy**  
Melissa Maguire (United Kingdom)

## Epilepsy Surgery 3

- p0293**     **Missed opportunities in the surgical management of refractory focal epilepsy: the role of magnetoencephalography**  
Ismail Mohamed (USA)
- p0294**     **Outcome after corpus callosotomy in children with intractable epilepsy**  
Magomed Mamatkhanov (Russia)
- p0295**     **Effectiveness of transcranial motor evoked potential monitoring during the surgical treatment of mesial temporal lobe epilepsy**  
Won Gu Lee (Korea, Republic of)
- p0296**     **Outcome and prognostic factors of epilepsy surgery in children with focal cortical dysplasia**  
Sun Ah Choi (Korea, Republic of)
- p0297**     **Clinical outcomes of five patients implanted with a cardiac-based Vagus Nerve Stimulator (VNS)**  
Andrea Landi (Italy)

- p0298**     **Pre-surgical features and outcomes in children with focal cortical dysplasia**  
Nicola Pietrafusa (Italy)
- p0299**     **Evaluation the results of vagal nerve stimulation in patients with drug resistant epilepsy**  
Fulya Eren (Turkey)
- p0300**     **Meaningful cognitive decline after mesial temporal lobe epilepsy surgery in Brazilian patients**  
Katia Lin (Brazil)
- p0301**     **Predictive surface Video EEG characteristics of epilepsy surgery good outcomes**  
Victoria Fernandez (Spain)

## Genetics 1

- p0304**     **The genetic characteristics of epileptic encephalopathy in children**  
Dildora Aminova (Uzbekistan)
- p0305**     **Adjustment of focal epileptic seizures treatment depending on SCN1a genotyping-preliminary results**  
Anna Siatouni (Greece)
- p0306**     **Early-onset epilepsy and severe cognitive impairment in six patients with the de novo p.Glu590Lys variant of CUX2**  
Gaetan Lesca (France)
- p0307**     **Less destructive and intronic SCN1A mutations are associated with partial epilepsy with antecedent febrile seizures**  
Lu Yu (China)
- p0308**     **Ion channel gene and epilepsy: functional alteration, pathogenic potential and mechanism of epilepsy**  
Feng Wei (China)
- p0309**     **Determining the burden of copy number variation in patients with epilepsy**  
Tânia K. de Araujo (Brazil)

- p0310**     **Epigenetic changes in the hippocampus of an epilepsy model**  
Iscia Lopes-Cendes (Brazil)
- p0311**     **Proteomic analysis of serum from patients with temporal lobe epilepsy**  
Lee Chanwoo (Korea, Republic of)

## Neuroimaging 1

- p0312**     **Diffusion weighted magnetic resonance imaging in child cerebral palsy with symptomatic epilepsy**  
Khabibulla Aminov (Uzbekistan)
- p0313**     **MR imaging in paediatric epilepsy patients with cerebral palsy**  
Khabibulla Aminov (Uzbekistan)
- p0314**     **Magnetic resonance spectroscopy in the diagnosis of symptomatic epilepsy in children**  
Khabibulla Aminov (Uzbekistan)
- p0315**     **The features of computed tomographic studies in children with symptomatic epilepsy**  
Khabibulla Aminov (Uzbekistan)
- p0316**     **Comparative analysis of neuroradiological and neurophysiological signs of symptomatic epilepsy in children**  
Dildora Aminova (Uzbekistan)
- p0317**     **Functional brain mapping with ECoG: real-time mapping of the fusiform face area**  
Arnau Espinosa (Spain)
- p0318**     **A multimodal neuroimaging study of psychosis of epilepsy (POE)**  
James Allebone (Australia)
- p0319**     **Data mining MR image features of select structures for lateralization of mesial temporal lobe epilepsy**  
Kost Elisevich (USA)



- p0320**      **Photosensitive epilepsy is associated with abnormal excitability of alpha rhythm generating networks**  
Anna Elisabetta Vaudano (Italy)

## Neuroimaging 2

- p0321**      **The added value of high-field MRI at 7T for pre-surgical evaluation of drug-resistant epilepsy**  
Taha Gholipour (USA)
- p0322**      **Is MTLE-HS a focal epilepsy syndrome? A diffusion tensor study**  
Ashalatha Radhakrishnn (India)
- p0323**      **Time is brain? A systematic review and meta-analysis on progressive atrophy in drug-resistant temporal lobe epilepsy**  
Lorenzo Caciagli (United Kingdom)
- p0324**      **Voxel based morphometry in focal epilepsy with normal conventional magnetic resonance and its useful in the locazation of the epileptogen zone**  
Juan Carlos Avalos (Argentina)
- p0325**      **Do subtle hippocampal structural changes on MRI serve as biomarkers for seizure recurrence in a prospective first seizure cohort?**  
Bernhard Pohlmann-Eden (Canada)
- p0326**      **Morphometric feature analysis of paediatric focal cortical dysplasias**  
Sophie Adler (United Kingdom)
- p0327**      **Structural abnormalities in juvenile myoclonic epilepsy: analysed by TBSS and CLASP algorithm**  
Ju-Hee Oh (Korea, Republic of)
- p0328**      **Altered structural correlation networks (SCN's) in cryptogenic localization-related epilepsy (CLRE) are associated with seizure frequency**  
Gerhard S Drenthen (Netherlands)
- p0329**      **Functional MRI of language and memory lateralisation to aid pre-surgical evaluation of paediatric epilepsy**  
Sarah Buck (United Kingdom)

## Neuropsychology 1

- p0330**      **Executive functions impairments in children with rolandic epilepsy**  
Natália Canário (Brazil)
- p0331**      **Neuropsychological findings in children with controlled focal epilepsies – Liga Central Contra la Epilepsia, Bogotá (Colombia)**  
David Garnica (Colombia)
- p0332**      **Physiological reactivity to spontaneously occurring seizure activity in dogs with epilepsy and their carers**  
Rowena Mary Anne Packer (United Kingdom)
- p0333**      **The contributions of cognitive abilities to academic profile in new-onset childhood absence epilepsy**  
Chen Qian (China)
- p0334**      **Psychogenic nonepileptic seizures: Namibian healthcare providers' perceptions and frustrations**  
Chrisma Pretorius (South Africa)
- p0335**      **Frequency and predictors of psychological distress after a diagnosis of epilepsy: a community-based study**  
Ying Xu (Australia)
- p0336**      **Home environment and executive functions in Rolandic epilepsy**  
Natália Canário (Brazil)
- p0337**      **Rolandic epilepsy: relations between clinical features and executive functions**  
Natália Canário (Brazil)
- p0338**      **Accelerated long-term forgetting in children with generalised genetic epilepsy: a longitudinal study**  
Suncica Lah (Australia)
- p0339**      **Predictors of quality of life among adults with temporal lobe epilepsy**  
Mayu Fujikawa (Japan)

## Neuropsychology 2

- p0340** **Watch the language! Language and linguistic-cognitive abilities in children with nocturnal epileptiform activity**  
Silje Systad (Norway)
- p0341** **The value of EEG in assessing children with speech and language impairments**  
Christiane Sørensen (Norway)
- p0342** **Do the temporal or frontal lobe epilepsies impair the visuospatial functions?**  
Giulia Maria Tallarita (Italy)
- p0343** **MRI-negative TLE is not cognitively benign: looking beyond lesions for causes of neuropsychological impairment**  
Genevieve Rayner (Australia)
- p0344** **Neuropsychological profile of patients with sleep-related hypermotor epilepsy (SHE)**  
Laura Licchetta (Italy)
- p0345** **Measurement invariability of a short story for typically developing children and children with epilepsy: confirmatory factor analysis (CFA)**  
Loretta van Iterson (Netherlands)
- p0346** **Examining relationships between memory scores and depression in epilepsy patients who undergo memory training**  
Zoe C. Thayer (Australia)
- p0347** **Sleepiness and cognitive performance of Brazilian patients with refractory mesial temporal lobe epilepsy**  
Katia Lin (Brazil)
- p0348** **Cognitive and behavioural impulsivity in JME: a meta-analysis**  
Anna Belinda Smith (United Kingdom)
- p0349** **The effects of seizures episodes on intellectual and episodic memory functioning in children and adolescents with tuberous sclerosis complex**  
Maria Luiza Giraldes Manreza (Brazil)

## Neurostimulation 1

- p0350** **Vagus nerve stimulation in children – when time matters**  
Gonzalo Alonso Ramos Rivera (Slovakia)
- p0351** **Cognitive profile predicts outcome in patients treated with ANT DBS for refractory epilepsy**  
Soila Järvenpää (Finland)
- p0352** **Responsive neurostimulation therapy for super-refractory focal status epilepticus: a case report**  
Marissa Kellogg (USA)
- p0353** **Autostimulation in VNS treatment: modulating neuromodulation**  
Toni Kulju (Finland)
- p0354** **Functional tractography reveals large-scale connectivity patterns**  
Lena Trebault (France)
- p0355** **Real-time suppression of temporal lobe epileptiform discharges by closed-loop optogenetic stimulation**  
Chou-Ching Lin (Taiwan, Republic of China)
- p0357** **Vagus nerve stimulation (VNS): exploratory analysis with real life data from a Belgian health insurer, 2011-2015**  
Rudy Van Tienen (Belgium)
- p0358** **Automatic bad channels detection from intracranial EEG datasets using machine learning**  
Viateur Tuyisenge (France)
- p0359** **Comparison of electrical stimulation responses to spontaneous neuronal avalanches in intracranially implanted epileptic patients**  
Etienne Hugues (France)
- p0360** **Mapping hyperexcitable neural network connections in temporal lobes in the patients with epilepsy**  
Mark Brewerton (United Kingdom)

## Paediatric Epileptology 1

- p0361** **Factors influencing the confidence of teachers in the management of epilepsy in mainstream education within the Belfast Educational Authority Area**  
Micheal Taylor (United Kingdom)
- p0362** **Posttraumatic epilepsy in children**  
Valentina Guzeva (Russia)
- p0363** **Assessment cerebral posthypoxic structural changes on base of determination transient EEG patterns in preterm infants with very low birth weight**  
Valentina Ivanovna Guzeva (Russia)
- p0364** **Long-term network effects of corpus callosotomy in patients with Lennox-Gastaut syndrome**  
Dongpyo Lee (Korea, Republic of)
- p0365** **Classification of neonatal seizures: the results from a recent test of the ILAE Commission on Classification & Terminology Proposed Neonatal Seizure Framework**  
Elissa Yozawitz (USA)
- p0366** **Serum neuron-specific enolase in children with epilepsy**  
Cornelia Calcii (Moldova, Republic of)
- p0367** **The level of intelligence in children with epileptic encephalopathy**  
Dildora Aminova (Uzbekistan)
- p0368** **Recessive early onset epileptic encephalopathies**  
Xena AlQahtani (KSA)
- p0369** **BDNF in children with epilepsy**  
Svetlana Hadjiu (Moldova, Republic of)
- p0370** **Behavioural disturbances in children with epilepsy**  
Svetlana Hadjiu (Moldova, Republic of)

## Paediatric Epileptology 2

- p0371** **U-fibre neuronal dispersion and synaptic plexi beneath epileptogenic focal cortical dysplasias in children**  
Harvey B. Sarnat (Canada)
- p0372** **The electroencephalography patterns in epileptic children with and without global developmental delay in Saiful Anwar General Hospital Indonesia**  
Made Ayu Hariningsih Sunada (Indonesia)
- p0373** **Scholar course of children and adolescents with an idiopathic epilepsy in Dakar**  
Sounga Bandzouzi Prince Eliot Galieni (DR Congo)
- p0374** **Two cases of epilepsy in Korean children with periventricular leukomalacia (PVL)**  
Jong Hwa Lee (Korea, Republic of)
- p0375** **Evolution of West syndrome in Georgia, predictors of outcome**  
Ana Kvernadze (Georgia)
- p0376** **Association between seizure frequency and fatigue levels in children with epilepsy**  
Hideaki Kanemura (Japan)
- p0377** **Betamethasone in the treatment of West Syndrome**  
Fidélie Scholastique Ngoougoure Halima (Senegal)
- p0378** **Use of cognitive interviews in the development of the caregiver impact scale for caregivers of children with epileptic encephalopathies**  
Dagmar Amtmann (USA)
- p0379** **Fast (40-150 Hz) oscillations are associated with positive slow waves in the scalp ictal EEGs of epileptic spasms in West syndrome**  
Katsuhiro Kobayashi (Japan)
- p0380** **SGCE mutation in a Chinese family with hyperekplexia**  
Li Ping Zhang (China)

## Paediatric Epileptology 3

- p0381** **Clinical features, underlying etiology and outcome of surgical treatment in 24 patients with hemimegalencephaly**  
Suad Al Yamani (KSA)
- p0382** **Clinical characteristics of paediatric provoked seizures during minor childhood infections**  
Mae Yue Tan (Singapore)
- p0383** **Are EEGs indicated for elevated behaviours in children and young people with Epilepsy?**  
Charlotte Mount (United Kingdom)
- p0384** **Ketogenic versus modified Atkins diet for paediatric epilepsy: a single centre experience from Singapore**  
Hian Tat Ong (Singapore)
- p0385** **The impact of seizure onset age on cognitive outcome in children with Sturge-Weber syndrome**  
Aimee Luat (USA)
- p0386** **Seizure outcomes of childhood epilepsy**  
Kari Modalsli Aaberg (Norway)
- p0387** **Relationship between lateralization of fast waves and direction of head version in focal spasm**  
Soichiro Ishimaru (Japan)
- p0388** **Chronic functional constipation causing recurrent “anal spasms”: a new epilepsy mimicker**  
Mohammed Jan (KSA)
- p0389** **Clinical characteristics of seizure in patients with posterior reversible encephalopathy syndrome**  
Jae Gun Park (Korea, Republic of)
- p0390** **Anoxic-epileptic seizures: new case reports**  
Alla Necahi (Ukraine)

## Paediatric Epileptology 4

- p0391** **Ketogenic Diet Centre in Kazakhstan: how to create and to be effective**  
Leila Dairbayeva (Kazakhstan)
- p0392** **Serial changes in paroxysmal discharges in rolandic epilepsy may predict seizure recurrence: a retrospective 3 year follow-up study**  
Ebru Arhan (Turkey)
- p0393** **Sleep problems and excessive daytime sleepiness in Korean children with epilepsy**  
Hyeeun Seo (Korea, Republic of)
- p0394** **Occipital lobe epilepsy secondary to ulegyria mimicking Gastaut type Benign occipital epilepsy: a case report**  
Pilar Bosque Varela (Spain)
- p0395** **Atypical presentation of pyridoxine-dependent epilepsy revisited**  
Abdulaziz Alghamdi (KSA)
- p0396** **West syndrome in Down syndrome infants**  
Antonio Sergio Antoniuk (Brazil)
- p0397** **Etiology in childhood-onset temporal lobe epilepsy**  
Walid Abdellaoui (Algeria)
- p0398** **Clinical and etiological features of childhood epilepsy at the Neuropediatric Unit in Senegal**  
Laïla Belarabi (Senegal)
- p0399** **Alternating hemiplegia of childhood in a child misdiagnosed as intractable epilepsy**  
Ozlem M. Herguner (Turkey)
- p0400** **Reduced steroidogenesis in patients with PCDH19-female limited epilepsy**  
Chiara Lucchi (Italy)

## Paediatric Epileptology 5

- p0401**     **Juvenile myoclonic epilepsy subsyndromes**  
Oleg Belyaev (Russia)
- p0402**     **Adjunctive treatment with pregabalin for partial onset seizures in paediatric patients: a randomized controlled trial**  
Jeremias Antinew (USA)
- p0403**     **Comparison of community based and hospital based epilepsy in children: a Cuban comparative study**  
Nicolás Garófalo Gómez (Cuba)
- p0404**     **Two cases of narcolepsy with unique cataplexy mimicking epileptic seizures on the long-term video electroencephalography**  
Tomoe Yanagishita (Japan)
- p0405**     **Familial predisposition in epileptic encephalopathy with continuous spike and wave during sleep: two cases from the same family**  
A. Destîná Yalçin (Turkey)
- p0406**     **Problems of diagnostic and therapeutic management of juvenile myoclonic epilepsy**  
Olga Shilkina (Russia)
- p0407**     **Discussing SUDEP as part of standard paediatric epilepsy care: paediatric healthcare professional survey and literature review**  
Nadine McCrea (United Kingdom)
- p0408**     **Autistic epileptiform regression: clinical and encephalographic correlation**  
Maria Fomina (Russia)
- p0409**     **Continuous versus standard EEG in diagnosis of neonatal seizures in neonates receiving therapeutic hypothermia**  
Ulvi Vaher (Estonia)
- p0410**     **Risk factors for epilepsy in children in the Republic of Moldova**  
Cornelia Calcii (Moldova, Republic of)

## Paediatric Epileptology 6

- p0411**     **Evaluation of minor neurological dysfunctions and mental skills in children with rolandic epilepsy**  
Yagmur Cam (Turkey)
- p0412**     **Epilepsy in autism spectrum disorder: a long-term electroclinical analysis of 36 cases**  
Serena Pellegrin (Italy)
- p0413**     **Apolipoprotein E – potential biomarker in epilepsy**  
Monika Kukuruzovic (Croatia)
- p0414**     **Efficacy and tolerability of perampanel (PER) add-on therapy in children with refractory focal epilepsies**  
Marina Nikanorova (Denmark)
- p0415**     **Ictal and peri-ictal cardiorespiratory abnormalities in paediatric seizures: possible relation with SUDEP?**  
Giovanna Randazzo (Italy)
- p0416**     **Evaluation of interleukins levels (IL) in children with epileptic encephalopathies treated with adrenocorticotrophic hormone (ACTH) by the Central League Against Epilepsy (LICCE), 2013-2015, Bogotá (Colombia)**  
Diana Carol Benitez Ramirez (Colombia)
- p0417**     **A patient with malignant migrating partial seizures of infancy considered to be associated with SCN2A mutation**  
Tetsuo Ohyama (Japan)
- p0418**     **Electroencephalographic and diffusion tensor imaging changes in idiopathic epileptic children imane**  
Imane Yassine (Egypt)
- p0419**     **Childhood absence epilepsy, cognitive outcome**  
Inna Shchederkina (Russia)
- p0420**     **EEG normalization in benign partial epilepsy of childhood with centro-temporal spikes**  
Pilar Pamplona-Valenzuela (Spain)

## Psychiatry 1

- p0421**     **Risk of suicide, affective dysphoric disorders and quality of life perception in patients with focal refractory epilepsy**  
Arlety García Espinosa (Colombia)
- p0422**     **A person-centered intervention enhances the sense of self-efficacy in patients with epilepsy: a qualitative interview-study**  
Rosa Michaelis (Germany)
- p0423**     **Study of personality traits of Japanese patients with epilepsy using NEO-PI-R and BDI-II**  
Mitsutoshi Okazaki (Japan)
- p0424**     **A study on bidirectional relationship between epilepsy and depression**  
Masumi Ito (Japan)
- p0425**     **Effects of lamotrigine on cognitive function and mood in patients with epilepsy**  
Tsugiko Kurita, Hokkaido (Japan)
- p0426**     **Psychotic states in Lennox-Gastaut syndrome**  
Shingo Yasumoto (Japan)
- p0427**     **Another look at the Milgram experiments: attempt to isolate social psychological factors, forces of double bind, removal of which can decrease psychogenic non-epileptic seizures and may be crucial in successful treatment**  
Fumisuke Matsuo (USA)

## Social Issues 1

- p0428**     **Knowledge, attitude and practice of primary school teachers towards epilepsy in Omdurman, Khartoum state 2016**  
Saria El-Amin (Sudan)
- p0429**     **Attitudes towards epilepsy and perceived stigma among a sample of patients with epilepsy in North-Eastern Iran**  
Ali Ghabeli Juibary (Iran, Islamic Republic of)

- p0430**     **Patient career involved care**  
Karim Tawfik (Egypt)
- p0431**     **Sports in purple**  
Norma Hernández (Mexico)
- p0432**     **School-aged children and parents' experiences of epilepsy and care: a qualitative study**  
Rebecca E.P. Black (United Kingdom)
- p0433**     **Defining quality of long-term epilepsy care: values from patients' perspectives**  
In Tan (Netherlands)
- p0434**     **The stigma of epilepsy from the perspective of patients with epilepsy and people from the Italian community**  
Mario Tombini (Italy)
- p0435**     **"I think she is bewitched" Siblings' experiences of living with an epileptic brother or sister in a rural community in Limpopo Province South Africa**  
Georgina Tukiso Moloantoa (South Africa)
- p0436**     **Epilepsy, stigma and family**  
Gloria Maria Tedrus (Brazil)

## Status Epilepticus 1

- p0437**     **Hypocapnea with mechanical ventilation and poor outcome of refractory status epilepticus**  
Bong Su Kang (Korea, Republic of)
- p0438**     **Mortality of status epilepticus in a Colombian hospital**  
Lady Diana Ladino (Colombia)
- p0439**     **Improved outcome on early immunotherapy in new onset refractory status epilepticus (NORSE). Experience in Qatar**  
Gayane Melikyan (Qatar)

- p0440** **New-onset refractory status epilepticus – case report and review of the literature**  
Hoe Chin Chua (Singapore)
- p0441** **Decreased allopregnanolone levels in cerebrospinal fluid of patients with status epilepticus**  
Giulia Monti (Italy)
- p0442** **Status epilepticus: clinical features, etiology, treatment and outcome in Senegal**  
Daniel Gams Massi (Senegal)
- p0443** **Prognostic factors of cefepime-induced encephalopathy**  
Han-Tao Li (Taiwan, Republic of China)
- p0444** **Efficacy and safety of perampanel oral loading in post-anoxic super-refractory status epilepticus: a case series**  
Simone Beretta (Italy)
- p0445** **Paraneoplastic limbic encephalitis or status epilepticus-induced structural changes: a case report**  
Duygu Aksoy (Turkey)
- p0446** **Aphasic status epilepticus and herpetic encephalitis: an association difficult to diagnose**  
Sara Pérez Pereda (Spain)

## Women's Issues 1

- p0447** **Sexual disorders in women with epilepsy**  
Nilufar Rashidova (Uzbekistan)
- p0448** **Monitoring of pregnancy in epileptic women**  
Gina Doinita Vanghelie (Romania)
- p0449** **Pharmacokinetic variability of valproate in women with epilepsy during pregnancy**  
Cecilie Johannessen Landmark (Norway)

- p0450** **Women with catamenial epilepsy: update and importance of clinical, neurological and neurotransmitter alterations**  
Yevgeniya Lekomtseva (Ukraine)
- p0451** **Miscarriages in pregnant women with epilepsy: findings from the MONEAD study**  
Kimford J. Meador (USA)
- p0452** **The influence of ethnic background on participation and pregnancy outcomes in the Australian Pregnancy Register**  
Nanya Hao (Australia)
- p0453** **Women with epilepsy in Kazakhstan: problems and strategy for improving care**  
Leila Dairbayeva (Kazakhstan)
- p0454** **Efficacy of consulting women with epilepsy concerning pregnancy related knowledge. Results from an internet based survey in German speaking countries**  
Carolin Dierking (Germany)
- p0455** **A cross-sectional study among women with epilepsy attending the Neurology Referral Clinic in Black Lion Hospital, Addis Ababa, (Ethiopia)**  
Hanna Belay, (Ethiopia)

## MONDAY 4<sup>th</sup> SEPTEMBER

### Adult Epileptology 4

- p0456** **Is it true refractory epilepsy or not: follow up of patients in tertiary epilepsy unit**  
Gulnihal Kutlu (Turkey)
- p0457** **Juvenile myoclonic epilepsy: long-term prognosis and treatment withdrawal**  
Alejandro Vilorio Alebesque (Spain)
- p0458** **Our experience working in the Video EEG Unit Hospital El Cruce, Néstor Kirchner**  
Brenda Giagante (Argentina)
- p0459** **Seizure semiology versus subjectivity: a linguistic approach to understanding focal aware seizures**  
Jennifer Sanchez-Davies (United Kingdom)
- p0460** **Seizure as a stroke mimic: frequency, characteristics and results of neuroimaging**  
Soo Jeong Kim (Korea, Republic of)
- p0461** **Neuronal antibodies in epilepsy patients with refractory seizures**  
Sibel Velioglu (Turkey)
- p0462** **Clinical evaluation of wearable apnoea detection device**  
Ana Bartmann (United Kingdom)
- p0463** **A case report of adult Dyke-Davidoff-Masson syndrome: a rare cause of refractory epilepsy**  
Zhongyuan Wang (China)
- p0464** **Epilepsy in Familial CLIPPERS syndrome**  
Atchayaram Nalini (India)
- p0465** **Symptomatic epilepsy in patients with developmental venous anomalies**  
Diana Dmitrenko (Russia)

- p0466** **Syncopal patients who had been treated as epilepsy**  
Yuji Ito (Japan)
- p0467** **Clinical characteristics and semiological findings of patients with psychogenic non-epileptic seizures (PNES)**  
Bárbara Rosso (Argentina)

### Adult Epileptology 5

- p0468** **EEG features of typical absence seizures in patients with idiopathic generalized epilepsy**  
Demet Kinay (Turkey)
- p0469** **Long-term prognosis of photogenic epilepsy**  
Aida Garcia Rua (Spain)
- p0470** **Performance Cognitive Potential P300 in idiopathic and symptomatic forms of epilepsy in Tashkent**  
Shokhida Gazieva (Uzbekistan)
- p0471** **Benefits of sport practice on health perception of people with epilepsy and sport professionals**  
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Andrés Perissinotti (Spain)
- p0671** Mapping of temporal lobe language regions using visual and auditory naming stimuli: a language fMRI study in temporal lobe epilepsy  
Karin Trimmel (United Kingdom)
- p0672** Semantic verbal memory outcome after surgery in drug refractory epilepsy: an fMRI based study  
Kapil Chaudhary (India)
- p0673** Specific MR-imaging patterns of neuronal-glia tumours associated with focal epilepsy in children  
Varis Khalilov (Russia)
- p0674** Network changes in patients with temporal lobe epilepsy based on hippocampal sclerosis  
Thilo Hammen (Germany)
- p0675** Brain functional connectivity in sleep-related hypermotor epilepsy  
Lorenzo Ferri (Italy)
- p0676** Partial volume corrected PET shows progressive focal hypometabolism associated with temporal lobectomy outcome  
William Theodore (USA)
- p0677** 'Imaging' memory in temporal lobe epilepsy-validation of 'within-scanner' material specific encoding-recall paradigms during memory task-based functional magnetic resonance imaging (fMRI)  
Ramshekhar N Menon (India)

## Neuroimaging 4

- p0678**     **Asymmetrical volume reduction of the hippocampal subfields in drug-resistant patients with generalized tonic-clonic seizures**  
Zhongyuan Wang (China)
- p0679**     **EpiJET: First commercially available automated injector for ictal SPECT**  
Xavier Setoain (Spain)
- p0680**     **Contribution of the values of mean diffusion and anisotropic diffusion to diagnosis in patients with childhood absence epilepsy**  
Erhan Bayram (Turkey)
- p0681**     **Pre-surgery evaluation of epilepsy using Technetium-99m (99mTc) in SPECT/CT: a case report**  
Jessica Gomide Pereira (Brazil)
- p0682**     **Multi-modal brain imaging software for guiding invasive treatment of epilepsy**  
Pauly Ossenblok (Netherlands)
- p0683**     **FDG PET in focal cortical dysplasia – correlation with ictal EEG, MRI and post-surgical outcome**  
Praveen Singa (India)
- p0684**     **Interactions between default mode network and memory performance in patients with temporal lobe epilepsy and controls**  
Tamires Zanão (Brazil)
- p0685**     **Antiepileptic medications modulate functional connectivity in mesial temporal lobe epilepsy**  
Luiz Eduardo Betting (Brazil)
- p0686**     **Characteristics of seizure-induced signal changes on MRI in patients with first seizures**  
Sung Eun Kim (Korea, Republic of)
- p0687**     **Perictal magnetic resonance in status epilepticus**  
Manuel Requena (Spain)

## Neuropsychology 3

- p0688**     **Predictive value of fMRI, selective / super-selective WADA-Test, MEG and fTCD for memory and language outcome after epilepsy surgery: a systematic review**  
Elisabeth Schmid (Austria)
- p0689**     **Indication of developmental coordination disorder in children with rolandic epilepsy and their siblings**  
Stuart Smith (United Kingdom)
- p0690**     **An emerging neuropsychological issue of temporal lobe epilepsy: social cognition**  
Anna Rita Giovagnoli (Italy)
- p0691**     **How are executive functions in patients with generalized idiopathic epilepsy (GIE)?**  
Teresa Ramirez (Spain)
- p0692**     **Can we predict the focus side of temporal lobe epilepsy in memory evaluation of the WADA test?**  
Hiroshi Hosoyama (Japan)
- p0693**     **Behavioural remediation of accelerated long-term forgetting**  
Laurie Miller (Australia)
- p0694**     **The transition of knowledge of epilepsy during transition**  
Jacqui Vinten (United Kingdom)
- p0695**     **Long-term forgetting in children with genetic generalised epilepsy: the temporal trajectory and contribution of executive skills**  
Samantha Joplin (Australia)
- p0696**     **Language outcome following dominant hemisphere laser ablation surgery for the treatment of medically refractory epilepsy**  
Maya Pinjala (USA)
- p0697**     **A systematic evaluation of cognitive rehabilitation for memory impairment in patients with epilepsy**  
Samantha Joplin (Australia)

- p0698**      **Specificities of neuropsychological changes in ethnic Kyrgyz people with idiopathic epilepsy permanently living in rural and urban area**  
Nargiza Chekeeva (Kyrgyzstan)

## Neurostimulation 2

- p0699**      **Vagal nerve stimulation (VNS): best responders (>80% seizures reduction) in a paediatric drug-resistant epileptic population**  
Daniele Grioni (Italy)
- p0700**      **Safety and Efficacy of VNS Therapy® in a population based study in France**  
Elisabeth Landré (France)
- p0701**      **High-frequency burst vagal nerve simulation therapy in a natural primate model of genetic generalized epilepsy**  
Charles Akos Szabo (USA)
- p0702**      **Causal or casual? Report of three patients with trigeminal pain and vagus nerve stimulator**  
Gabriela Ugarnes (Argentina)
- p0703**      **Transcutaneous and invasive vagal nerve stimulations engaged the same neural pathways: in vivo human evidence**  
Adriana Fallacara (Italy)
- p0704**      **Clinical outcomes of VNS therapy with AspireSR at a large UK Complex Epilepsy and Surgery Centre**  
Preci Hamilton (United Kingdom)
- p0705**      **Cathodal transcranial direct current stimulation reduces seizure frequency and modulates brain functional connectivity in drug-resistant temporal lobe epilepsy: a sham controlled study**  
Giovanni Assenza (Italy)
- p0706**      **A single centre study comparing the effectiveness of the AspireSR® 106 Vagus Nerve Stimulator model to older models in drug resistant epilepsy**  
Lauren Mecia (United Kingdom)

- p0707**      **An evaluation of seizures reduction outcomes in various duty cycles in Vagal Nerve Stimulation (VNS) therapy in Leeds General Infirmary**  
Elizabeth Wright (United Kingdom)

## Paediatric Epileptology 7

- p0708**      **Location, size of focal cortical dysplasia, and age of seizure onset in children who underwent epilepsy surgery**  
Natrujee Wiwattanadittakul (Thailand)
- p0709**      **Epilepsy in children with infantile cerebral paralysis**  
Gavhar Abdusattarova (Uzbekistan)
- p0710**      **Clinical characteristics and electroencephalographical evaluation of paediatric patients with autistic spectrum disorders**  
Ipek Polat (Turkey)
- p0711**      **Efficiency of antiepileptic therapy in children of different age groups with epilepsy**  
Olga Sukhonosova (Ukraine)
- p0712**      **Blood levels of kynurenine derivatives in children fed ketogenic diet**  
Iwona Zarnowska (Poland)
- p0713**      **Clinical and EEG features, treatment and outcome of hot water epilepsy in paediatric patients**  
Huseyin Per (Turkey)
- p0714**      **Four patients with benign partial epilepsy of childhood and childhood absence epilepsy: Just coincidence or prognosis factor?**  
Alba Díaz Baamonde (Spain)
- p0715**      **Outcomes of a proposed treatment strategy for childhood absence epilepsy**  
Won Seop Kim (Korea, Republic of)
- p0716**      **Acquired epileptiform opercular syndrome without rolandic epilepsy? A variant of LKS**  
Karen Ballaban-Gil (USA)

## Paediatric Epileptology 8

- p0717**     **Ketogenic diet in pyruvate dehydrogenase complex deficiency**  
Mahoko Furujo (Japan)
- p0718**     **Status epilepticus in children. Cases admitted at the Children Hospital Dr. O. Alassia, Santa Fe (Argentina)**  
Francisco Astorino (Argentina)
- p0719**     **Perinatal anamnestic risk factors in different type of epilepsy's development**  
Alisa Kudlatch (Belarus)
- p0720**     **Perinatal anamnestic risk factors in symptomatic epilepsy's development**  
Leanid Shalkevich (Belarus)
- p0721**     **Aggravation of epilepsy in a patient with atypical benign partial epilepsy of childhood after administration of sulthiame**  
Igor Zaitsau (Belarus)
- p0722**     **Intrathecal infusion of autologic adipose derived regenerative cells (ADRC) in an autoimmune determined refractory epilepsy in children**  
Elżbieta Szczepanik (Poland)
- p0723**     **Ring chromosome 14 syndrome: symptoms, diagnosis, treatment. A case report**  
Julita Borkowska (Poland)
- p0724**     **Efficacy and tolerability of perampanel in children with refractory epilepsy**  
Elisabetta Spezia (Italy)
- p0725**     **Tolerability of adjunctive lacosamide in paediatric patients aged 4 to < 16 years with focal seizures: an interim pooled analysis of data from open-label trials**  
Christine Taeter (Belgium)

## Paediatric Epileptology 9

- p0726**     **Is there any difference between awakening EEG in benign rolandic epilepsy and continuous spike and waves during sleep syndrome?**  
Amal Satté (Morocco)
- p0727**     **Focal interictal paroxysmal EE abnormalities in childhood absence epilepsy**  
Jamal Mounach (Morocco)
- p0728**     **Longterm electroclinical changes with the use of cannabidiol**  
Galo Pesantez Cuesta (Ecuador)
- p0729**     **Epidemiological, electroclinical and paraclinical aspects of infant's epilepsy at the neuropediatric unit in Senegal**  
Kegnide Christelle Cadnelle Affognon (Senegal)
- p0730**     **Hypsarrhythmia may indicates the patient's noncompliance – observation in two TSC patients from EPISTOP project**  
Dorota Domańska-Pakieła (Poland)
- p0731**     **Demographic and clinical profile of children with epilepsy in developing economy**  
Lokesh Tiwari (India)
- p0732**     **Review of drug resistant epilepsy children: focus on the disclosure of unnoticed epilepsy-surgery candidates**  
Ondřej Horák (Czech Republic)
- p0733**     **SCN1A mutation in a family with GEFS+: a different phenotype of a known missense mutation**  
Kerstin Alexandra Klotz (Germany)
- p0734**     **Health related quality of life in children and adolescents with well-controlled epilepsy**  
Tatjana Redzek Mudrinic (Serbia)
- p0735**     **Clinical, electroencephalografical and familiar characterization of rolandic epilepsy in paediatric population of two centres from Medellín (Colombia), from 2011 to 2016**  
Diana Marcela Cornejo-Sánchez (Colombia)

## Paediatric Epileptology 10

- p0736**      **Efficacy of phenobarbitone in children epilepsy in Dakar, Senegal**  
Marieme Soda Diop-Sene (Senegal)
- p0737**      **The role of an age appropriate FDG-PET database in paediatric clinical pathways of pre-surgical planning for the treatment of epilepsy**  
Bianca De Blasi (United Kingdom)
- p0738**      **Iron supplementation on paroxysmal non-epileptic events**  
Joon Won Kang (Korea, Republic of)
- p0739**      **Prevalence of epilepsy and other seizure disorders in a Saudi population**  
Ahmed Alrumayyan (KSA)
- p0740**      **Continuous spike-wave discharge during sleep refractory resolved with steroid therapy: a case report**  
Daniela Bezerra (Brazil)
- p0741**      **Epileptic seizures in anaplastic gangliogliomas**  
Sofiene Bouali (Tunisia)
- p0742**      **SCN8A mutation-related epilepsy responsive to low dose phenytoin**  
Cristine Cukiert (Brazil)
- p0743**      **Three cases of Rasmussen's encephalitis without brain atrophy on MR imaging**  
Juan Pablo Princich (Argentina)

## Paediatric Epileptology 11

- p0744**      **Paroxysmal non epileptic events in paediatric epilepsy clinic: a descriptive study of etiology, proportion and therapeutic implications at a tertiary health care centre**  
Rahul Badheka (India)
- p0745**      **Self-induced epileptic spasms in a 10 year old boy with MCT8 deficiency**  
Ikeda Tae (Japan)
- p0746**      **Seizures in paediatric patients with liver transplant and efficacy of levetiracetam**  
Serdal Güngör (Turkey)
- p0747**      **Chid epilepsy in mauritania: a cohort study**  
Samy Dadah ML, Mauritania
- p0748**      **The comparison between lamotrigine and oxcarbazepine as monotherapy in paediatric focal epilepsy**  
Yun Jung Hur (Korea, Republic of)
- p0749**      **EEG can predict neurologic outcome in children resuscitated from cardiac arrest**  
Hyo Jeong Kim (Korea, Republic of)
- p0750**      **A case of pheochromocytoma presenting as headache and seizure**  
Sung-Min Cho (Korea, Republic of)
- p0751**      **Early electroclinical features and outcome at 6 years of age of 61 subjects with Dravet syndrome born between 1972 and 2010**  
Francesca Darra (Italy)
- p0752**      **SCN9A mutation in two siblings with progressive myoclonic epilepsy end encephalopathy**  
Senay Haspolat (Turkey)
- p0753**      **The underlying etiology of infantile spasms in Latvia (2004 – 2017)**  
Lelde Liepina (Latvia)

## Psychiatry 2

- p0754** **Interictal dysphoric disorder and quality of life in patients with epilepsy**  
Gloria Maria Tedrus (Brazil)
- p0755** **Emotion recognition of auditory and visual stimuli in patients with resistant temporal lobe epilepsy**  
Monica Fernandez Lima (Argentina)
- p0756** **Diagnostic and treatment services for patients with psychogenic nonepileptic seizures (PNES): a survey of health professionals in urban China**  
Xin Tong (China)
- p0757** **Depression before and after epilepsy surgery**  
Takuji Nishida (Japan)
- p0758** **The use of a structured questionnaire for predicting the diagnosis of psychogenic non epileptic seizures**  
Giorgia Giussani (Italy)
- p0759** **Obsessive-compulsive personality disorder and theory of mind in temporal lobe epilepsy**  
Annalisa Parente (Italy)
- p0760** **Clinical features of post-ictal psychosis: an observational descriptive study**  
Vera Braatz (United Kingdom)
- p0761** **Comparative study of differential seizure semiology and psychiatric disorders prevalence between psychogenic non-epileptic seizures and temporal lobe epileptic seizures**  
Nicolás Robertino Lombardi (Argentina)
- p0762** **Traumatisation or retraumatisation due to sexual assault in virtual reality based social networks may be relevant for development of psychogenic seizures**  
Christoph Kurth (Germany)

## Social Issues 2

- p0763** **Association of religiosity with anxiety, depressive symptoms and quality of life in patients with epilepsy**  
Myung Ah Ko (Korea, Republic of)
- p0764** **Curated epilepsy content to foster self-management: MyEpilepsyKey**  
Carol Ireland (Australia)
- p0765** **The experience of transition for young people with epilepsy: developing an animation**  
Janine Winterbottom (United Kingdom)
- p0766** **Driving in newly diagnosed epilepsy patients: results from the SEISMIC study**  
Ying Xu (Australia)
- p0767** **"Seizure observation in a systematic format:" the development of a systematic seizure template for unclassified seizures. Perspectives from nursing practice**  
Vibeke Stubbings (Denmark)
- p0768** **A new wireless accelerometry device for motor epilepsy detection: a way to decrease economic burden of epileptic population**  
Lei Chen (China)
- p0769** **From the patients' perspective. Life impact of illness in drug-resistant epilepsy patients from Buenos Aires (Argentina)**  
Mercedes Sarudiansky (Argentina)
- p0770** **Knowledge about epilepsy and epilepsy-related stigmatization among teachers in training in the Czech Republic**  
Jiri Kohout (Czech Republic)
- p0771** **The stigma of epilepsy: prevalence and pattern among rural dwellers attending a tertiary referral hospital in South-East Nigeria**  
Birinus Adikaibe Ezeala-Adikaibe (Nigeria)

## Social Issues 3

- p0772** **Spot 'epilepsy' through canvas: a novel entry into an unduly mystified disease**  
Sanjaya Shanthiputhra Mandadige (Sri Lanka)
- p0773** **"Involved – and yet feeling outside": a nursing perspective from pediatric epilepsy surgery**  
Hanne Grønfold (Denmark)
- p0774** **'Clinic to community' program identifies school based needs of children with epilepsy**  
Mary Secco (Canada)
- p0775** **For a comprehensive identification of needs in children with epilepsy: a nursing team approach**  
Alexis Arzimanoglou (France)
- p0776** **Attitudes and epilepsy-related knowledge among primary school teachers: a study from a rural province of Sri Lanka**  
Sanjaya Shanthiputhra Mandadige (Sri Lanka)
- p0777** **A study of public attitude towards epilepsy in Greece**  
Anna Keramida (Greece)
- p0778** **The knowledge of Jamaican primary school teachers about epilepsy and asthma and their attitudes towards children with these conditions: a survey in selected primary schools in St. Andrew Jamaica**  
Shari-Ann Davis, Jamaica
- p0779** **The results of differences between mothers self and researcher reading for "impact of paediatric epilepsy scale"**  
Müberra Tanrıverdi (Turkey)

## Status Epilepticus 2

- p0780** **Pitfalls in non convulsive status epilepticus diagnosis**  
Giovanni Assenza (Italy)
- p0781** **Efficacy of continuous midazolam infusion for hyperthermia-induced seizures in Dravet syndrome**  
Susumu Ito (Japan)
- p0782** **Lacosamide in status epilepticus treatment: experience in an hospitalized adult population**  
Giada Giovannini (Italy)
- p0783** **High epileptiform burst suppression and outcome in midazolam treatment for refractory status epilepticus**  
Jirayoot Chusooth (Thailand)
- p0784** **Dysphagia of epileptic origine in patient with MELAS**  
Guillermina García Martín (Spain)
- p0785** **Predictors of outcome and refractoriness in status epilepticus: a prospective study**  
Candan Gurses (Turkey)
- p0786** **Refractory convulsive status epilepticus due to cannabinoids: a case report**  
Clara Lunardon (Italy)
- p0787** **Arteriovenous malformations and status epilepticus**  
Estevo Santamarina (Spain)

## Women's Issues 2

- p0788** **No growth-related long-term effects of prenatal exposure to topiramate**  
Jeppe Sillesen Matzen (Denmark)
- p0789** **An observational study of children of mothers with genetic generalized epilepsy exposed to antiepileptic medications during pregnancy**  
Ana Carolina Zetehaku (Brazil)



- p0790**      **Spontaneous abortions among women with epilepsy**  
Gordana Kiteva-Trenchevska (Macedonia, FYR)
- p0791**      **Pregnancy and fetal outcomes in women after surgery for drug refractory epilepsy**  
Sai Satish (India)
- p0792**      **Seizure course during pregnancy and the post-partum period: a cohort study in a tertiary epilepsy centre**  
Barbara Mostacci (Italy)
- p0793**      **Prevalence of caesarean section in pregnant Chinese women with epilepsy and its potential correlations**  
Nanya Hao (Australia)
- p0794**      **Valproate usage and pregnancy related knowledge in women with epilepsy of childbearing age in Croatia**  
Latica Friedrich (Croatia)
- p0795**      **Gender features of female epilepsy in mono- and polytherapy AEDs groups**  
Galina Odintsova (Russia)
- p0796**      **Etiology of epilepsy and antiepileptic drug use in women of childbearing age in an epilepsy reference centre in Guatemala**  
Walter Rodrigo Duarte Celada (Guatemala)

## TUESDAY 5<sup>th</sup> SEPTEMBER

### Adult Epileptology 6

- p0797**      **Qualitative analysis of direct and delayed reproduction in narrative verbal memory in patients with temporal lobe epilepsy and controls**  
D. Marjolein Hartgerink (Netherlands)
- p0798**      **Measuring cognition and cognitive reserve in patients with first seizure or new onset epilepsy**  
Benjamin P. Whatley (Canada)
- p0799**      **Clinical feature of temporal lobe seizure**  
Amarjargal Myangaa (Mongolia)
- p0800**      **Falls as a new clinical manifestation of temporal lobe epilepsy**  
Irena Doležalová (Czech Republic)
- p0801**      **Evaluation of ventricular repolarization parameters in epilepsy patients**  
Bülent Oğuz Genç (Turkey)
- p0802**      **Quality of life in adult patients with epilepsy and their family members in Tashkent**  
Shokhida Gazieva (Uzbekistan)
- p0803**      **Characteristics, evaluation and management of patients with epilepsy who attend emergency rooms for seizures**  
Juan Carlos Avalos (Argentina)
- p0804**      **Epileptic seizures as a predictor of in-hospital mortality in patients with acute ischemic stroke**  
Ljubica Vojvodic (Serbia)
- p0805**      **Low cardiovascular fitness in patients with pharmaco-resistant temporal lobe epilepsy**  
Katia Lin (Brazil)
- p0806**      **Role of emergency department (ED) physicians in identifying and managing patients who may meet the "practical clinical" definition of epilepsy**  
Brien Smith (USA)

## Adult Epileptology 7

- p0807** **Post-ictal atrial fibrillation in mesial temporal lobe epilepsy: a case report**  
Abdulrahman Bouges (KSA)
- p0808** **Effects of chronic anti-epileptic use on serum 25OH-vitamin D levels and calcium metabolism**  
Bülent Oğuz Genç (Turkey)
- p0809** **Serum and Cerebral Spinal Fluid Auto Antibodies in drug-resistant temporal lobe epilepsy**  
Sibel Canbaz Kabay (Turkey)
- p0810** **Automatic MEG data classification to epileptic and healthy subject using statistical features**  
Turky N Alotaiby (KSA)
- p0811** **Epilepsy mimicking stroke: can we manage it better? A prevalence and clinical features study**  
José David Herrera-García (Spain)
- p0812** **Use of complementary and alternative medicine among adult patients with epilepsy in Singapore**  
Pei Shieen Wong (Singapore)
- p0813** **Diagnostic value of long-term EEG monitoring as second diagnostic step in the initial diagnosis of epilepsy**  
Roland Renzel (Switzerland)
- p0814** **Treatment of status epilepticus/seizure clusters in two patients with MELAS syndrome**  
Marianne Juel Kjeldsen (Denmark)
- p0815** **The modified Atkins diet in patients with refractory epilepsy and intellectual disability: a randomized controlled trial**  
Hanna Mai Hulshof (Netherlands)

## Adult Epileptology 8

- p0816** **Clinical and electroencephalographic profile of juvenile myoclonic epilepsy in a tertiary care centre from South India**  
Malcolm Jeyaraj K (India)
- p0817** **Olfactory and gustatory dysfunction in epilepsy**  
Bengi Gul Turk (Turkey)
- p0818** **Effectiveness and safety of eslicarbazepina acetate as adjunctive treatment for refractory epilepsy: a long term retrospective study**  
Elisa Osanni (Italy)
- p0819** **Co-occurrence of anti-NMDAR antibodies in patients with TLE and hippocampal sclerosis**  
Nancy Watanabe (Brazil)
- p0820** **Peri-ictal prone position is associated with independent risk factors for sudden unexpected death in epilepsy: a controlled video-EEG monitoring unit study**  
Emel Oguz Akarsu (Turkey)
- p0821** **Long-term follow-up of ictal asystole in temporal lobe epilepsy: is permanent pacemaker therapy needed?**  
Naoki Akamatsu (Japan)
- p0822** **Differential diagnosis of visual aura in migraine and epilepsy**  
Galina Odintsova (Russia)
- p0823** **Postictal psychogenic seizure with minimal ictal manifestations: a case report**  
Nicolas Jannone-Pedro (Spain)
- p0824** **Levetiracetam modifies quantitative EEG in the anterior cortical regions in epileptic patients showing psychiatric manifestations**  
Alessio D'Elia (Italy)
- p0825** **Evaluation of cognitive functions and diffusion tensor MRI in patients with juvenile myoclonic epilepsy**  
Nirmeen Kishk (Egypt)

## Basic Science 8

- p0826**     **Repetitive epileptic seizures induce behavioural and activation changes in the hamster GASH: Sal**  
Consuelo Sancho (Spain)
- p0827**     **Alterations in the olivocochlear efferent system of the epileptic hamster GASH: Sal**  
Dolores E. López (Spain)
- p0828**     **Distribution of CB1 cannabinoid receptors in the model of epilepsy GASH: Sal**  
Dolores E. López (Spain)
- p0829**     **RNA-edited glycine receptors are a potential target for anti-epileptic drugs in temporal lobe epilepsy**  
Larissa Kraus (Germany)
- p0830**     **Spatial – temporal characteristics of thalamo-cortical oscillations after unilateral cortical spreading depression in the recovery period in WAG/Rij rats**  
Kenul Abbasova (Russia)
- p0831**     **Perivascular PDGFR cells participate to inflammation during in vivo epileptogenesis and in vitro ictogenesis**  
Wendy Klement (France)
- p0832**     **Cerebellar Purkinje cell counts in a knock-in mouse model of alternating hemiplegia of childhood**  
Elie Abdelnour (USA)
- p0833**     **The effects of levetiracetam, topiramate, lamotrigine and phenytoin on bone tissue in male albino Wistar rats**  
Julius Simko (Czech Republic)
- p0834**     **Effect of rho-kinase inhibitor Y-27632 on absence seizures in genetic absence epilepsy rats from Strasburg (GAERS)**  
Nihan Carcak Yilmaz (Turkey)

## Basic Science 9

- p0835**     **Impact of epileptogenesis on hepatic and brain nuclear receptors and metabolic CYP enzymes expression**  
Léonie Runtz (France)
- p0836**     **Changes in microseizure properties anticipate seizure clusters in tetanus toxin model of temporal lobe epilepsy**  
Jan Kudlacek (Czech Republic)
- p0837**     **Effect of sodium bromide on GABAergic transmission, synaptic plasticity and pilocarpine-induced seizures**  
Rüdiger Köhling (Germany)
- p0838**     **CX3CR1 modulation alters synaptic integration of adult born hippocampal neurons following an epileptogenic insult**  
Una Avdic (Sweden)
- p0839**     **Selective, unilateral ablation of hippocampal interneurons causes acute seizures**  
Jay Spampanato (USA)
- p0840**     **KCNQ1 gene expression in epileptic rats**  
Aikaterini Gkiaka (Greece)
- p0841**     **Does early-life kindling affect the characteristics of SWDs in adulthood in rats with genetic absence epilepsy?**  
Ozlem Akman (Turkey)
- p0842**     **Role of inflammatory mechanisms in seizures development in models of perinatal brain insult**  
Kateřina Vondráková (Czech Republic)
- p0843**     **Resveratrol attenuates oxidative stress and mitochondrial dysfunction in immature brain during epileptogenesis**  
Jaroslava Folbergrová (Czech Republic)
- p0844**     **Antioxidative treatment with MnTMPYP or resveratrol is neuroprotective in status epilepticus in immature rats**  
Jakub Otáhal (Czech Republic)

## Basic Science 10

- p0845**    **Expression of the immediate early gene Nur-related factor 1 (Nurr1) is elevated in patients with refractory epilepsy**  
Jin-Mei Li (China)
- p0846**    **Characterising EEG cortical dynamics and connectivity with responses to single pulse electrical stimulation (SPES)**  
David Martín-López (United Kingdom)
- p0847**    **The effects of ER stress induced by different dose of Thapsigargin on generalized convulsive seizure**  
Sabriye Karadenizli (Turkey)
- p0848**    **Anti-absence effect of sildenafil (5-phosphodiesterase inhibitor) in WAG/Rij rats with genetic absence epilepsy**  
Cem Onur Erdolu (Turkey)
- p0849**    **What happen in the brain during the epileptogenesis?: Analysis of single-unit activity and local field potentials on an experimental epilepsy model**  
Maria Belen Gori (Argentina)
- p0850**    **Aberrant connectivity of hippocampal mossy fibers in temporal lobe epilepsy**  
Thomas Freiman (Germany)
- p0851**    **Seizure & mortality protection by MeCF in strychnine induced seizure in rats**  
Muhammad Liaquat Raza (Pakistan)

## Clinical Neurophysiology 7

- p0852**    **High frequency oscillations detected by automatic kurtosis-based time-frequency analysis in MEG and intracranial EEG in paediatric epilepsy**  
Elaine Foley (United Kingdom)
- p0853**    **Exploring cardiac autonomic functions in eating epilepsy**  
Talakad Sathyaprabha (India)
- p0854**    **Ultra long-term EEG reveals circadian trends**  
Sirin W. Gangstad (Denmark)

- p0855**    **Utility of the EEG video in the management of pharmacoresistent epilepsy**  
Angelica Aroni (Venezuela)
- p0856**    **New LED photic stimulators can equal the Grass xenon gold standard for intermittent photic stimulation (IPS)**  
Dorothee Kasteleijn-Nolst Trenité (Netherlands)
- p0857**    **Connectivity between bilateral temporal lobe by cortico-cortical evoked potential in temporal lobe epilepsy -based on TWO case with temporal lobe epilepsy**  
Shuhua Chen (China)
- p0858**    **EEG findings in attention deficit hyperactivity disorder disease**  
Gönül Akdağ (Turkey)
- p0859**    **Multilobar epileptogenic zones but motor area: Moses's motor area skipping pathological HFO**  
Yasushi Iimura (Canada)
- p0860**    **Functional connectivity reveals postsurgical evolution in pharmacoresistant temporal lobe epilepsy patients**  
Lilia Morales Chacón (Cuba)
- p0861**    **Event-related potentials in temporal lobe epilepsy with and without hippocampal sclerosis**  
Jiyeon Kim (Korea, Republic of)

## Clinical Neurophysiology 8

- p0862**    **Alternative seizure provoking techniques at the epilepsy monitoring unit**  
Jane Palm Eriksen (Denmark)
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- p1053**      **Predicting factors and outcome of PCDH19-related epilepsy: a multicentre study of 61 Italian patients**  
Marina Trivisano (Italy)
- p1054**      **Late-onset epileptic spasms in congenital hyperinsulinism by mutation in ABCC8 gene**  
Gemma Aznar-Lain (Spain)
- p1056**      **Dietary treatment of children with epilepsy: simple interventions lead to a near threefold increase in retention rate**  
Kathrine C. Haavardsholm (Norway)
- p1057**      **Paradoxical ictal EEG lateralization in children with hemiplegic cerebral palsy with refractory epilepsy**  
Munni Ray (United Kingdom)
- p1058**      **Epilepsia partialis continua and Gliomatosis cerebri: a rare association**  
Giulia Prato (Italy)
- p1059**      **Interleukin-1beta and tumour necrosis factor-alpha in children with febrile seizures**  
Dina Salama Abd Elmagid (Egypt)
- p1060**      **Profile of epileptic seizures of adolescence according to operational classification of seizure types by the international league against epilepsy**  
Carmen Silvia Molleis Galego Miziara (Brazil)

## Paediatric Epileptology 13

- p1061**      **Reliability and validity 'impact of paediatric epilepsy scale' of Turkish version in children with epilepsy**  
Müberra Tanriverdi (Turkey)
- p1062**      **Comparison clinical characteristics of influenza associated febrile convulsion and febrile convulsions without influenza in children**  
Sung Koo Kim (Korea, Republic of)
- p1063**      **A case of Rasmussen encephalitis with positive anti-GAD antibodies treated with rituximab**  
Osama Muthaffar (KSA)
- p1064**      **Electroclinical features of epilepsy in three female patients with KIAA2022 mutation**  
Hiroko Ikeda (Japan)
- p1065**      **Characteristics of polymicrogyria-related epilepsy**  
Ara Ko (Korea, Republic of)
- p1066**      **Efficacy, acceptability and tolerability of low glycemic index diet in South Indian children with refractory epilepsy**  
Nivedita Pavithran (India)
- p1067**      **A questionnaire-based study on effect of different antiepileptic drugs (AEDs) relative to sleep problems in children with genetic epilepsy in Georgia**  
Sofia Kasradze (Georgia)
- p1068**      **Significance of functional connectivity before and after corpus callosotomy or hemispherotomy in paediatric epilepsy patients**  
Ara Ko (Korea, Republic of)
- p1069**      **Epilepsy in children with tuberous sclerosis complex: Ljubljana University Children's hospital experience**  
Jasna Oražem Mrak (Slovenia)
- p1070**      **A new computer based algorithm for calculating ketogenic parenteral nutrition in childhood epileptic encephalopathies**  
Anastasia Dressler (Austria)

- p1071**      **Drug utilization patterns in children with refractory epilepsy at a tertiary referral center in Serbia**  
Natasa Cerovac (Serbia)

## Paediatric Epileptology 14

- p1072**      **Long-term seizure and developmental outcome in surgical cases of infantile epileptic encephalopathies**  
Kenji Sugai (Japan)
- p1073**      **Intraoperative in vivo thermography in safety control of the electrical stimulation mapping**  
Radek Janca (Czech Republic)
- p1074**      **Autoimmune epilepsy in children: identification and management strategies**  
Sheffali Gulati (India)
- p1075**      **Association between LQT syndrome and epilepsy in a family with KCNQ1 variant**  
Sema Saltik (Turkey)
- p1076**      **Ketogenic diet service – spectrum of referred cases according to age**  
Carmen Sandu (Romania)
- p1077**      **Adverse effects of antiepileptic drugs reported by caregivers as a surrogate marker of quality of life and mental health in children with epilepsy**  
Laura Guilhoto (Brazil)
- p1078**      **Occipital intermittent rhythmic delta activity (OIRDA) in children**  
Anna Winczewska-Wiktor (Poland)
- p1079**      **The clinical and electroencephalographic spectrum of ESES (Encephalopathy with status epilepticus in sleep) in Indian children**  
Biswaroop Chakrabarty (India)
- p1080**      **Deletion of the SHANK3 gene and epilepsy: about 5 cases**  
Nicole Chemaly (France)
- p1081**      **Acute encephalopathy in a child with Dravet syndrome**  
Sofia Quintas (Portugal)

## Paediatric Epileptology 15

- p1082**     **Lysine restriction in pyridoxine dependent epilepsy; results after 2 years of follow-up**  
Hans Hartmann (Germany)
- p1083**     **Starting antiepileptic medications by non-specialists: what are the hazards?**  
Noha Tharwat (Egypt)
- p1084**     **Features of epilepsy and cerebral palsy in children in Uzbekistan**  
Dilshod Tolibov (Uzbekistan)
- p1085**     **Early onset epileptic encephalopathy caused by SCN2A and SPTAN1 mutations**  
Ana Boban Raguž (Bosnia and Herzegovina)
- p1086**     **Steroid therapy in West syndrome-case-series analysis**  
Ilona Kopyta (Poland)
- p1087**     **Treatment of epilepsy of infancy with migrating focal seizures associated with a novel CDKL5 mutation with potassium bromide**  
Olcay Ünver (Turkey)
- p1088**     **The prevalence of autistic spectrum disorder in children with epilepsy**  
Lamia Sfaihi (Tunisia)
- p1089**     **Pathogenic variants in KCTD7 perturb neuronal K<sup>+</sup> fluxes and glutamine transport**  
Hebatallah El Khashab (Egypt)
- p1090**     **Juvenile myoclonic epilepsy in Morocco: experience of Marrakesh third level hospital**  
Mustapha Chaqda (Morocco)
- p1091**     **Pilotage study of cannabinoids (THC and CBD) as add-on therapy in children with refractory epilepsy**  
Agata Ulatowska (Poland)

## Paediatric Epileptology 16

- p1092**     **Malformations of cortical development and epilepsy: about 20 cases**  
Lamia Sfaihi (Tunisia)
- p1093**     **Neurological complications following pertussis vaccination**  
Sergio Antoniuk (Brazil)
- p1094**     **Treatment and outcome of West syndrome: about 22 cases**  
Lamia Sfaihi (Tunisia)
- p1095**     **Auto-immune anti-N-methyl-D-aspartate receptor (anti-NMDAR) encephalitis: three case reports**  
Hebatallah El Khashab (Egypt)
- p1096**     **West syndrome: clinical characteristics, treatment and outcome**  
Evelyn Lora (Dominican Republic)
- p1097**     **Treatment approaches in pharmaco-resistant 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**  
Viet-Huong Nguyen (USA)
- p1099**     **Mathematical modelling of melatonin diurnal secretion in children with epilepsy**  
Justyna Paprocka (Poland)
- p1100**     **Angelman syndrome – mathematical modelling of melatonin secretion**  
Justyna Paprocka (Poland)
- p1101**     **Behavioural problems and psychosocial functioning in adolescents with epilepsy**  
Madhu Nayak (India)

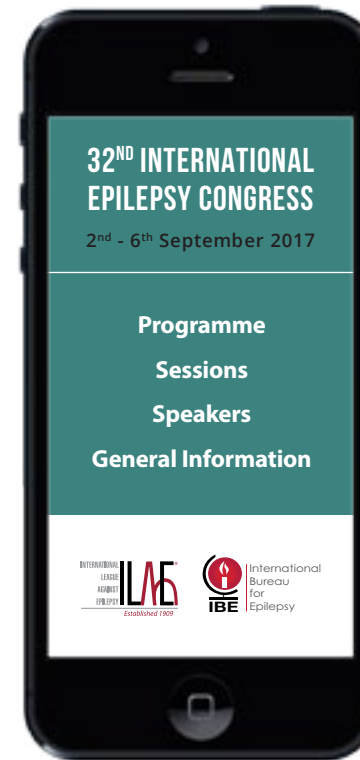


SUNDAY 3<sup>rd</sup> SEPTEMBER

## 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)

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## SPEAKERS LIST

Surname	Firstname	Country	Role	Date	Start Time	End Time	Session Type
Alarcon	Gonzalo	Qatar	Speaker	04/09/2017	15:30	17:00	Parallel
Andrzejak	Ralph	Spain	Speaker	06/09/2017	09:30	11:30	Main
Arzimanoglou	Alexis	France	Speaker	04/09/2017	12:00	13:30	Parallel
Arzimanoglou	Alexis	France	Speaker	06/09/2017	08:00	09:00	Teaching Programme
Arzimanoglou	Alexis	France	Speaker	05/09/2017	17:00	18:00	ATE
Arzimanoglou	Alexis	France	Chair	05/09/2017	15:00	15:30	Awards Symposium
Arzimanoglou	Alexis	France	Speaker	03/09/2017	16:30	18:00	Satellite Symposium
Asadi-Pooya	Ali	Iran	Speaker	03/09/2017	12:00	13:30	Parallel
Asadi-Pooya	Ali	Iran	Chair	03/09/2017	12:00	13:30	Parallel
Auvin	Stéphane	France	Speaker	02/09/2017	17:00	18:30	Parallel
Auvin	Stéphane	France	Chair	02/09/2017	17:00	18:30	Parallel
Bach Justesen	Anders	Denmark	Technician	04/09/2017	08:00	09:30	Teaching Programme
Bach Justesen	Anders	Denmark	Technician	05/09/2017	08:00	09:30	Teaching Programme
Baulac	Michel	France	Chair	04/09/2017	15:30	16:30	Platform
Baumgartner	Christoph	Austria	Speaker	04/09/2017	12:00	13:30	Parallel
Beniczky	Sandor	Denmark	Speaker	02/09/2017	13:00	14:30	Teaching Programme
Beniczky	Sandor	Denmark	Speaker	03/09/2017	08:00	09:30	Teaching Programme
Beniczky	Sandor	Denmark	Speaker	04/09/2017	08:00	09:30	Teaching Programme
Beniczky	Sandor	Denmark	Speaker	05/09/2017	08:00	09:30	Teaching Programme
Ben-Zeev	Bruria	Israel	Speaker	05/09/2017	12:00	13:30	Parallel
Berkovic	Sam	Australia	Speaker	03/09/2017	17:00	18:00	Video Series
Bernard	Christophe	France	Speaker	02/09/2017	17:00	18:30	Parallel
Bernard	Christophe	France	Chair	02/09/2017	17:00	18:30	Parallel
Bertram	Ed	USA	Chair	05/09/2017	15:30	16:30	Platform
Bhathal	Hari	Spain	Speaker	05/09/2017	12:00	13:30	Parallel
Bhathal	Hari	Spain	Chair	05/09/2017	09:30	11:30	Main
Bhathal	Hari	Spain	Chair	02/09/2017	15:30	17:00	Satellite Symposium
Birbeck	Gretchen	Zambia	Speaker	03/09/2017	12:00	13:30	Parallel
Birbeck	Gretchen	Zambia	Speaker	05/09/2017	08:00	09:30	Teaching Programme

Birbeck	Gretchen	Zambia	Chair	03/09/2017	12:00	13:30	Parallel
Blumenfeld	Hal	USA	Speaker	05/09/2017	12:00	13:30	Parallel
Bonhila	Leonardo	USA	Speaker	02/09/2017	17:00	18:30	Parallel
Boon	Paul	Belgium	Chair	03/09/2017	08:00	09:30	Satellite Symposium
Brambilla	Isabella	Italy	Speaker	02/09/2017	15:30	17:00	Satellite Symposium
Brandt	Christian	Germany	Speaker	04/09/2017	08:00	09:30	Teaching Programme
Brodie	Martin	United Kingdom	Speaker	02/09/2017	13:00	14:30	Teaching Programme
Burneo	Jorge	Canada	Chair	04/09/2017	15:30	16:30	Platform
Canuet Delis	Leonides	Spain	Speaker	03/09/2017	08:00	09:30	Satellite Symposium
Caraballo	Roberto	Argentina	Speaker	03/09/2017	12:00	13:30	Parallel
Caraballo	Roberto	Argentina	Speaker	06/09/2017	08:00	09:00	Teaching Programme
Caraballo	Roberto	Argentina	Chair	03/09/2017	12:00	13:30	Parallel
Carette	Evelien	Belgium	Speaker	03/09/2017	08:00	09:30	Satellite Symposium
Caroline	Morton	Netherlands	Chair	03/09/2017	15:30	16:30	Platform
Carreño	Mar	Spain	Speaker	05/09/2017	18:00	19:30	Satellite Symposium
Carreño	Mar	Spain	Speaker	04/09/2017	15:30	17:00	Parallel
Castillo	Eduardo.M	USA	Speaker	06/09/2017	09:30	11:30	Main
Cendes	Fernando	Brazil	Speaker	03/09/2017	12:00	13:30	Parallel
Chahnez	Charfi Triki	Tunisia	Chair	05/09/2017	15:30	16:30	Platform
Christensen	Jakob	Denmark	Chair	04/09/2017	15:30	16:30	Platform
Cook	Mark	Australia	Speaker	04/09/2017	12:00	13:30	Parallel
Cook	Mark	Australia	Chair	04/09/2017	12:00	13:30	Parallel
Craiu	Dana	Romania	Speaker	04/09/2017	08:00	09:30	Teaching Programme
Cross	Helen	United Kingdom	Speaker	03/09/2017	12:00	13:30	Parallel
Cross	Helen	United Kingdom	Speaker	06/09/2017	08:00	09:00	Teaching Programme
Cross	Helen	United Kingdom	Chair	03/09/2017	12:00	13:30	Parallel
Cross	Helen	United Kingdom	Chair	02/09/2017	14:30	15:00	Awards Symposium
Cross	Helen	United Kingdom	Chair	02/09/2017	15:30	17:00	Satellite Symposium
Cunningham	Mark	United Kingdom	Speaker	03/09/2017	18:10	19:40	Satellite Symposium

# OTHER INFORMATION

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Danzer	Steve	USA	Speaker	03/09/2017	12:00	14:00	Neurobiology Symposium
de Curtis	Marco	Italy	Chair	03/09/2017	12:00	14:00	Main
De Weerd	Al	Netherlands	Speaker	02/09/2017	13:00	14:30	Teaching Programme
De Weerd	Al	Netherlands	Speaker	04/09/2017	08:00	09:30	Teaching Programme
Delanty	Norman	Ireland	Speaker	05/09/2017	17:00	18:00	Debate
Delgado-Escueta	Antonio	Spain	Chair	02/09/2017	17:00	18:30	Parallel
Delgado-Escueta	Antonio	Spain	Speaker	02/09/2017	17:00	18:30	Parallel
Diehl	Beate	United Kingdom	Speaker	04/09/2017	15:30	17:00	Parallel
Dinkelacker	Vera	France	Speaker	06/09/2017	09:30	11:30	Main
Dong Kim	Heung	Republic of Korea	Speaker	03/09/2017	12:00	13:30	Parallel
Dong Kim	Heung	Republic of Korea	Chair	03/09/2017	15:30	16:30	Platform
Eisermann	Monika	France	Speaker	03/09/2017	08:00	09:30	Teaching Programme
Eisermann	Monika	France	Speaker	04/09/2017	08:00	09:30	Teaching Programme
Eisermann	Monika	France	Speaker	05/09/2017	12:00	13:30	Parallel
Eisermann	Monika	France	Chair	05/09/2017	12:00	13:30	Parallel
Engel	Jerome	USA	Chair	05/09/2017	15:30	16:30	Platform
Focke	Neils	Germany	Speaker	06/09/2017	09:30	11:30	Main
French	Jacqueline	USA	Speaker	05/09/2017	09:30	11:30	Main
French	Jacqueline	USA	Speaker	05/09/2017	17:00	18:00	Debate
French	Jacqueline	USA	Speaker	06/09/2017	08:00	09:00	Teaching Programme
French	Jacqueline	USA	Speaker	04/09/2017	17:00	18:00	ATE
French	Jacqueline	USA	Speaker	03/09/2017	17:00	18:00	Video Series
French	Jacqueline	USA	Chair	05/09/2017	09:30	11:30	Main
Friedman	Daniel	USA	Speaker	05/09/2017	12:00	13:30	Parallel
Friedman	Daniel	USA	Speaker	05/09/2017	17:00	18:00	Debate
Fusco	Lucia	Italy	Speaker	04/09/2017	12:00	13:30	Parallel
Fusco	Lucia	Italy	Chair	04/09/2017	12:00	13:30	Main
Galanopoulou	Aristea	USA	Speaker	04/09/2017	12:00	13:30	Parallel
Galanopoulou	Aristea	USA	Chair	04/09/2017	12:00	13:30	Parallel

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Gambardella	Antonio	Italy	Chair	05/09/2017	15:30	16:30	Platform
Garcia-Cairasco	Norberto	Brazil	Speaker	03/09/2017	12:00	14:00	Neurobiology Symposium
Garcia-Cairasco	Norberto	Brazil	Chair	03/09/2017	12:00	14:00	Main
Gattone	Phil	USA	Speaker	04/09/2017	12:00	13:30	Parallel
Gattone	Phil	USA	Chair	04/09/2017	12:00	13:30	Parallel
Genton	Pierre	France	Speaker	02/09/2017	17:00	18:30	Parallel
Gentry	Matthew	USA	Speaker	02/09/2017	17:00	18:30	Parallel
Gil Nagel	Antonio	Spain	Speaker	04/09/2017	08:00	09:30	Teaching Programme
Gil-Nagel	Antonio	Spain	Speaker	04/09/2017	15:30	17:00	Parallel
Gil-Nagel	Antonio	Spain	Chair	06/09/2017	09:30	11:30	Parallel
Gil-Nagel	Antonio	Spain	Chair	04/09/2017	18:00	19:30	Satellite Symposium
Giovannini	Giada	Italy	Speaker	03/09/2017	12:00	13:30	Parallel
Gotman	Jean	Canada	Speaker	03/09/2017	12:00	13:30	Parallel
Gotman	Jean	Canada	Chair	03/09/2017	15:30	16:30	Platform
Guekht	Alla	Russia	Speaker	02/09/2017	13:00	14:30	Teaching Programme
Guekht	Alla	Russia	Chair	04/09/2017	15:30	16:30	Platform
Guerrini	Renzo	Italy	Speaker	05/09/2017	12:00	13:30	Parallel
Guinovart	Joan	Spain	Speaker	02/09/2017	17:00	18:30	Parallel
Gulati	Shfalli	India	Chair	05/09/2017	12:00	13:30	Parallel
Gussow	Ayal	USA	Speaker	02/09/2017	17:00	18:30	Parallel
Guye	Maxime	France	Speaker	03/09/2017	12:00	14:00	Neurobiology Symposium
Hanna	Jane	United Kingdom	Speaker	05/09/2017	12:00	13:30	Parallel
Hanna	Jane	United Kingdom	Chair	05/09/2017	12:00	13:30	Parallel
Haut	Sheryl	USA	Speaker	04/09/2017	09:30	11:30	Main
Haut	Sheryl	USA	Chair	04/09/2017	09:30	11:30	Main
Hayes	Brian	Ireland	Speaker	02/09/2017	17:00	18:30	Parallel
Helmstaeder	Christoph	Germany	Chair	05/09/2017	12:00	13:30	Parallel
Helmstaedter	Christoph	Germany	Speaker	04/09/2017	17:00	18:00	Debate
Helmstaedter	Christoph	Germany	Speaker	05/09/2017	12:00	13:30	Parallel
Henshall	David	Ireland	Speaker	02/09/2017	17:00	18:30	Parallel

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Henshall	David	Ireland	Chair	02/09/2017	17:00	18:30	Parallel
Hirose	Shinichi	Japan	Speaker	05/09/2017	12:00	13:30	Parallel
Hirose	Shinichi	Japan	Chair	05/09/2017	09:30	11:30	Main
Hirose	Shinichi	Japan	Chair	05/09/2017	12:00	13:30	Parallel
Holtkamp	Martin	Germany	Speaker	05/09/2017	18:00	19:30	Satellite Symposium
Huberfeld	Gilles	France	Speaker	03/09/2017	18:10	19:40	Satellite Symposium
Ikeda	Akio	Japan	Chair	05/09/2017	17:00	18:00	Platform
Irani	Sarosh	United Kingdom	Speaker	04/09/2017	12:00	13:30	Parallel
Irani	Sarosh	United Kingdom	Chair	04/09/2017	12:00	13:30	Parallel
Isla	Julian	Spain	Speaker	04/09/2017	12:00	13:30	Parallel
Jacob	John	United Kingdom	Speaker	02/09/2017	17:00	18:30	Parallel
Jacob	John	United Kingdom	Chair	02/09/2017	17:00	18:30	Parallel
Jain	Satish	India	Chair	03/09/2017	15:30	16:30	Platform
Jain	Satish	India	Speaker	03/09/2017	09:30	11:30	Presidential Symposium
Jette	Nathalie	Canada	Speaker	04/09/2017	09:30	11:30	Main
Kakooza	Angelina	Uganda	Speaker	05/09/2017	08:00	09:30	Teaching Programme
Kälviäinen	Reetta	Finland	Speaker	02/09/2017	17:00	18:30	Parallel
Kang	Hoon-Chul	Republic of Korea	Speaker	03/09/2017	12:00	14:00	Neurobiology Symposium
Kapur	Jaideep	USA	Chair	04/09/2017	17:00	18:00	Platform
Kato	Mitsuhiro	Japan	Speaker	05/09/2017	09:30	11:30	Main
Katona	Istvan	Hungary	Speaker	05/09/2017	12:00	13:30	Parallel
Keller	Simon	United Kingdom	Speaker	02/09/2017	17:00	18:30	Parallel
Keller	Simon	United Kingdom	Chair	02/09/2017	17:00	18:30	Parallel
Kotulska- Józwiak	Katarzyna	Poland	Speaker	05/09/2017	12:00	13:30	Parallel
Koutroumanidis	Michaelis	United Kingdom	Speaker	02/09/2017	13:00	14:30	Teaching Programme
Krauss	Gregory	USA	Speaker	04/09/2017	09:30	11:30	Main
Lagae	Lieven	Belgium	Speaker	02/09/2017	17:00	18:30	Parallel
Lagae	Lieven	Belgium	Speaker	04/09/2017	08:00	09:30	Teaching Programme
Lagae	Lieven	Belgium	Chair	03/09/2017	16:30	18:00	Satellite Symposium

Lagae	Lieven	Belgium	Speaker	03/09/2017	16:30	18:00	Satellite Symposium
Lagae	Lieven	Belgium	Speaker	03/09/2017	16:30	18:00	Satellite Symposium
Lee	Byung-In	Republic of Korea	Speaker	04/09/2017	12:00	13:30	Parallel
Leijten	Frans	Netherlands	Speaker	04/09/2017	12:00	13:30	Parallel
Leijten	Frans	Netherlands	Speaker	05/09/2017	08:00	09:30	Teaching Programme
Leitjen	Frans	Netherlands	Chair	03/09/2017	15:30	16:30	Platform
Lerche	Holger	Germany	Speaker	05/09/2017	09:30	11:30	Main
Li	Zhiyuan	China	Speaker	05/09/2017	12:00	13:30	Parallel
Li	Shichuo	China	Chair	04/09/2017	15:30	16:30	Platform
Lopes-Cendes	Iscia	Brazil	Chair	04/09/2017	15:30	16:30	Platform
Lorber	Bogdan	Slovenia	Speaker	02/09/2017	13:00	14:30	Teaching Programme
Lowenstein	Daniel	USA	Speaker	05/09/2017	09:30	11:30	Main
M de la Prida	Liset	Spain	Speaker	02/09/2017	17:00	18:30	Parallel
Marikainen	Paavo	Finland	Speaker	04/09/2017	12:00	13:30	Parallel
Marusic	Petr	Czech Republic	Speaker	03/09/2017	08:00	09:30	Teaching Programme
Mathern	Gary	USA	Speaker	03/09/2017	12:00	13:30	Parallel
Mathern	Gary	USA	Speaker	05/09/2017	08:00	09:30	Teaching Programme
Mathern	Gary	USA	Chair	03/09/2017	15:30	16:30	Platform
McMurray	Rob	United Kingdom	Chair	05/09/2017	18:00	19:30	Satellite Symposium
Mesraoua	Boulenouar	Qatar	Speaker	03/09/2017	12:00	13:30	Parallel
Milh	Mathieu	France	Speaker	04/09/2017	12:00	13:30	Parallel
Minassin	Berge	Canada	Speaker	02/09/2017	17:00	18:30	Parallel
Mizrahi	Eli	USA	Speaker	05/09/2017	17:00	18:00	Video Series
Moseley	Brian D.	United States	Speaker	02/09/2017	15:30	17:00	Satellite Symposium
Moshe	Solomon	USA	Speaker	03/09/2017	09:30	11:30	Presidential Symposium
Moshe	Solomon	USA	Speaker	03/09/2017	08:00	09:30	Teaching Programme
Moshe	Nico	USA	Chair	05/09/2017	15:30	16:30	Platform
Mula	Marco	United Kingdom	Speaker	04/09/2017	12:00	13:30	Parallel
Mula	Marco	United Kingdom	Speaker	06/09/2017	08:00	09:00	Teaching Programme

# OTHER INFORMATION

## SPEAKERS LIST

Mula	Marco	United Kingdom	Chair	04/09/2017	12:00	13:30	Parallel
Nabbout	Rima	France	Speaker	03/09/2017	08:00	09:30	Teaching Programme
Nabbout	Rima	France	Speaker	05/09/2017	09:30	11:30	Main
Nabbout	Rima	France	Speaker	05/09/2017	17:00	18:00	ATE
Nabbout	Rima	France	Chair	04/09/2017	12:00	13:30	Parallel
Nabbout	Rima	France	Chair	05/09/2017	09:30	11:30	Main
Nabbout	Rima	France	Speaker	04/09/2017	18:00	19:30	Satellite Symposium
Nehlig	Astrid	France	Chair	05/09/2017	15:30	16:30	Platform
Nehlig	Astrid	France	Chair	04/09/2017	15:00	15:30	Awards Symposium
Nicola	Specchio	Italy	Chair	04/09/2017	15:30	16:30	Platform
Nowak	Rafal	Spain	Chair	06/09/2017	09:30	11:30	Parallel
O'Brien	Terrence	Australia	Speaker	04/09/2017	09:30	11:30	Main
O'Brien	Terrence	Australia	Chair	04/09/2017	09:30	11:30	Main
O'Brien	Terence	Australia	Speaker	03/09/2017	18:10	19:40	Satellite Symposium
Okano	Hideyuki	Japan	Speaker	05/09/2017	12:00	13:30	Parallel
Okumura	Akihisa	Japan	Speaker	04/09/2017	12:00	13:30	Parallel
Ouss	Lisa	France	Speaker	05/09/2017	12:00	13:30	Parallel
Ozkara	Cigdem	Turkey	Speaker	04/09/2017	08:00	09:30	Teaching Programme
Parent	Jack M	USA	Speaker	03/09/2017	17:00	18:00	Debate
Parent	Jack M	USA	Speaker	05/09/2017	12:00	13:30	Parallel
Parent	Jack M	USA	Chair	05/09/2017	12:00	13:30	Parallel
Parra	Jaime	Spain	Chair	05/09/2017	12:00	13:30	Parallel
Patterson	Victor	Nepal	Speaker	03/09/2017	12:00	13:30	Parallel
Perucca	Emilio	Italy	Speaker	06/09/2017	08:00	09:00	Teaching Programme
Perucca	Emilio	Italy	Chair	02/09/2017	14:30	15:00	Awards Symposium
Pesantez Cuesta	Galo	Ecuador	Chair	04/09/2017	15:30	16:30	Platform
Pittock	Sean	USA	Speaker	04/09/2017	12:00	13:30	Parallel
Pohlmann-Eden	Bernard	Canada	Chair	04/09/2017	15:30	16:30	Platform
Pressler	Ronit	United Kingdom	Speaker	05/09/2017	17:00	18:00	Video Series
Pressler	Ronit	United Kingdom	Chair	05/09/2017	15:30	16:30	Platform

# 32<sup>ND</sup> INTERNATIONAL EPILEPSY CONGRESS

Rampp	Stefan	Germany	Speaker	03/09/2017	08:00	09:30	Teaching Programme
Recktor	Ivan	Czech Republic	Chair	05/09/2017	17:00	18:00	Platform
Reuber	Markus	United Kingdom	Speaker	04/09/2017	09:30	11:30	Main
Riney	Kate	Australia	Speaker	05/09/2017	08:00	09:30	Teaching Programme
Roach	Peter	USA	Speaker	02/09/2017	17:00	18:30	Parallel
Rocamora	Rodrigo Albert	Spain	Chair	03/09/2017	12:00	13:30	Parallel
Rosenow	Felix	Germany	Speaker	02/09/2017	17:00	18:30	Parallel
Rosenow	Felix	Germany	Speaker	03/09/2017	17:00	18:00	Debate
Rosenow	Felix	Germany	Chair	02/09/2017	17:00	18:30	Parallel
Russi	Antonio	Spain	Chair	03/09/2017	12:00	13:30	Parallel
Ryvlin	Philippe	Switzerland	Speaker	04/09/2017	09:30	11:30	Main
Ryvlin	Philippe	Switzerland	Speaker	05/09/2017	08:00	09:30	Teaching Programme
Ryvlin	Philippe	Switzerland	Chair	04/09/2017	09:30	11:30	Main
Salas-Puig	Javier	Spain	Chair	03/09/2017	12:00	13:30	Parallel
San Antonio-Arce	Victoria	Spain	Speaker	02/09/2017	15:30	17:00	Satellite Symposium
Sander	Ley	United Kingdom	Speaker	03/09/2017	16:30	18:00	Satellite Symposium
Sankar	Raman	United States	Speaker	03/09/2017	18:00	19:30	Satellite Symposium
Satischandra	Parthasarthy	India	Speaker	05/09/2017	09:30	11:30	Main
Scheffer	Ingrid	Australia	Speaker	02/09/2017	17:00	18:30	Parallel
Scheffer	Ingrid	Australia	Speaker	03/09/2017	09:30	11:30	Presidential Symposium
Scheffer	Ingrid	Australia	Speaker	04/09/2017	08:00	09:30	Teaching Programme
Scheffer	Ingrid	Australia	Speaker	03/09/2017	17:00	18:00	ATE
Scheffer	Ingrid	Australia	Speaker	04/09/2017	17:00	18:00	Video Series
Schmidt	Dieter	Germany	Chair	05/09/2017	15:30	16:30	Platform
Schmidt	Dieter	Germany	Chair	03/09/2017	15:00	15:30	Awards Symposium
Schulz	Angela	Germany	Chair	03/09/2017	18:00	19:30	Satellite Symposium
Schulz	Angela	Germany	Speaker	03/09/2017	18:00	19:30	Satellite Symposium
Schulze-Bonhage	Andreas	Germany	Speaker	04/09/2017	12:00	13:30	Parallel
Schulze-Bonhage	Andreas	Germany	Speaker	04/09/2017	17:00	18:00	Debate

## SPEAKERS LIST

Scott	Rodney	United Kingdom	Speaker	03/09/2017	12:00	14:00	Neurobiology Symposium
Serratos	Jose	Spain	Speaker	02/09/2017	17:00	18:30	Parallel
Serratos	Jose Maria	Spain	Chair	04/09/2017	15:30	17:00	Parallel
Serratos	Jose	Spain	Chair	02/09/2017	17:00	18:30	Parallel
Shankar	Rohit	United Kingdom	Speaker	05/09/2017	12:00	13:30	Parallel
Shorvon	Simon	United Kingdom	Chair	03/09/2017	12:00	13:30	Parallel
Simon	Shorvon	United Kingdom	Speaker	03/09/2017	12:00	13:30	Parallel
Simonato	Michele	Italy	Speaker	02/09/2017	17:00	18:30	Parallel
Skaarup	Christian	Denmark	Technician	04/09/2017	08:00	09:30	Teaching Programme
Skaarup	Christian	Denmark	Technician	05/09/2017	08:00	09:30	Teaching Programme
Soffietti	Riccardo	Italy	Chair	03/09/2017	18:10	19:40	Satellite Symposium
Sofia	Francesca	Italy	Chair	02/09/2017	17:00	18:30	Parallel
Specchio	Nicola	Italy	Speaker	03/09/2017	18:00	19:30	Satellite Symposium
Specchio	Nicola	Italy	Speaker	04/09/2017	18:00	19:30	Satellite Symposium
Sperling	Mike	USA	Chair	03/09/2017	15:00	15:30	Awards Symposium
Stefan	Hermann	Germany	Speaker	03/09/2017	08:00	09:30	Satellite Symposium
Steinhoff	Bernhard J.	Germany	Speaker	04/09/2017	18:00	19:30	Satellite Symposium
Surges	Rainer	Germany	Speaker	03/09/2017	17:00	18:00	Debate
Surges	Rainer	Germany	Speaker	05/09/2017	12:00	13:30	Parallel
Surges	Rainer	Germany	Speaker	02/09/2017	15:30	17:00	Satellite Symposium
TAN	CT	Malaysia	Speaker	03/09/2017	12:00	13:30	Parallel
Tervonen	Sari	Finland	Chair	02/09/2017	17:00	18:30	Parallel
Theodore	William	USA	Chair	04/09/2017	15:30	16:30	Platform
Thompson	Pamela	United Kingdom	Speaker	04/09/2017	17:00	18:00	Debate
Thompson	Pamela	United Kingdom	Speaker	05/09/2017	12:00	13:30	Parallel
Thompson	Pamela	United Kingdom	Speaker	06/09/2017	08:00	09:00	Teaching Programme
Thompson	Pamela	United Kingdom	Chair	05/09/2017	12:00	13:30	Parallel
Tinuper	Paolo	Italy	Speaker	05/09/2017	08:00	09:30	Teaching Programme
Tomson	Torbjorn	Sweden	Speaker	05/09/2017	12:00	13:30	Parallel

Tomson	Torbjorn	Sweden	Speaker	05/09/2017	17:00	18:00	Debate
Tomson	Torbjorn	Sweden	Speaker	04/09/2017	17:00	18:00	ATE
Tomson	Torbjorn	Sweden	Chair	05/09/2017	12:00	13:30	Parallel
Trinka	Eugen	Austria	Speaker	03/09/2017	12:00	13:30	Parallel
Trinka	Eugen	Austria	Speaker	04/09/2017	17:00	18:00	Debate
Tripathi	Manjari	India	Speaker	02/09/2017	17:00	18:30	Parallel
Valente	Kette	Brazil	Speaker	04/09/2017	12:00	13:30	Parallel
Valentin	Antonio	United Kingdom	Chair	04/09/2017	15:30	17:00	Parallel
Van Campen	Jolien	Netherlands	Speaker	04/09/2017	09:30	11:30	Main
van Emde Boas	Walter	Netherlands	Speaker	06/09/2017	08:00	09:00	Teaching Programme
Veggiotti	Pierangelo	Italy	Speaker	03/09/2017	12:00	13:30	Parallel
Verrier	Richard	United States	Chair	02/09/2017	15:30	17:00	Satellite Symposium
Verrier	Richard	United States	Speaker	02/09/2017	15:30	17:00	Satellite Symposium
Vezzani	Annamaria	Italy	Speaker	04/09/2017	12:00	13:30	Parallel
Vezzani	Annamaria	Italy	Chair	04/09/2017	12:00	13:30	Parallel
Vigevano	Federico	Italy	Speaker	05/09/2017	09:30	11:30	Main
Villani	Flavio	Italy	Chair	05/09/2017	15:30	16:30	Platform
Villanueva	Vicente	Spain	Chair	05/09/2017	12:00	13:30	Parallel
Villanueva	Vicente	Spain	Speaker	05/09/2017	18:00	19:30	Satellite Symposium
Walker	Matthew	United Kingdom	Chair	03/09/2017	18:10	19:40	Satellite Symposium
Wiebe	Sam	Canada	Speaker	03/09/2017	17:00	18:00	Debate
Wiebe	Sam	Canada	Speaker	05/09/2017	09:30	11:30	Main
Wiebe	Sam	Canada	Speaker	05/09/2017	08:00	09:30	Teaching Programme
Wilmshurst	Jo	South Africa	Speaker	03/09/2017	08:00	09:30	Teaching Programme
Wilmshurst	Jo	South Africa	Speaker	04/09/2017	12:00	13:30	Parallel
Wilmshurst	Jo	South Africa	Chair	04/09/2017	12:00	13:30	Parallel
Wolf	Peter	Denmark	Chair	05/09/2017	15:30	16:30	Platform
Zijlmans	Maeike	Netherlands	Speaker	03/09/2017	12:00	13:30	Parallel
Zijlmans	Maeike	Netherlands	Speaker	03/09/2017	08:00	09:30	Teaching Programme

# OTHER INFORMATION

## SPEAKERS LIST

Zijmans	Maeike	Netherlands	Chair	03/09/2017	15:30	16:30	Platform
Zou	Li-Ping	China	Speaker	05/09/2017	12:00	13:30	Parallel
Zuberi	Sameer	United Kingdom	Speaker	03/09/2017	09:30	11:30	Presidential Symposium
Zuberi	Sameer	United Kingdom	Speaker	03/09/2017	17:00	18:00	ATE
Zuberi	Sameer	United Kingdom	Speaker	04/09/2017	17:00	18:00	Video Series
Zuberi	Sameer	United Kingdom	Chair	03/09/2017	15:30	16:30	Platform
Zuberi	Sameer	United Kingdom	Speaker	02/09/2017	15:30	17:00	Satellite Symposium

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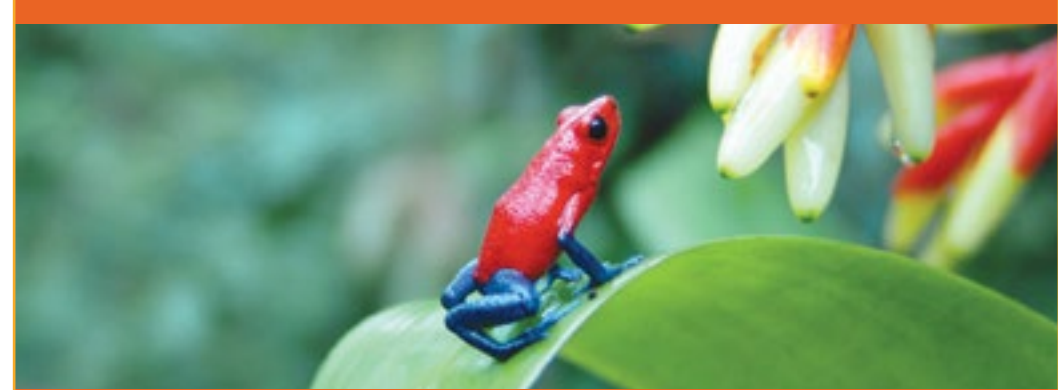
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12<sup>TH</sup> ASIAN & OCEANIAN EPILEPSY CONGRESS



[www.epilepsybali2018.org](http://www.epilepsybali2018.org)

## EXHIBITORS LIST

Exhibitor	Stand #
Empatica	1
LEMER PAX	2
Qubiotech Health Intelligence S.L.	
Holberg EEG	3
GW Pharmaceuticals	4
EURAP	5
Nihon Kohden Europe GmbH	6
Medtech SA	7
Special Products Ltd	8
AIT Austrian Institute of Technology	9
Neuralynx	10
Natus Neurology Incorporated	11
JOHN LIBBEY EUROTEXT	12
British Paediatric Neurology Association	13
Matthew's Friends Ketogenic Therapies	
The Anita Kaufmann Foundation	
Purple Day Japan	
American Clinical MEG Society (ACMEGS)	
EpiNet Study Group	
York Instruments	13a
Bial - Portela & C <sup>2</sup> ; S.A.	14
Renishaw Mayfield SA	15
UCB BIOPHARMA SPRL	16
Neurovirtual	17
CeGaT GmbH	18
Nutricia Advanced Medical Nutrition	19

g.tec medical engineering Spain	20
Lifelines Limited	21
Ad-Tech Medical Instrument Corporation	22
Zeto, Inc.	23
EB Neuro S.p.A	23a
EMS Biomedical	24
CortiCare	
BIOCODEX	25
Novartis	26
Wiley	26a
PMT Corporation	27
Encore Lab	27a
ALCIS NEURO	28
Epilog	28a
BioMarin Europe Ltd	29
Compumedics Ltd	30
Persyst Development Corporation	31
Cadwell Industries, Inc.	32
Medtronic International Trading Sarl	33
DEYMED Diagnostic	34
Electrical Geodesics, Inc. (EGI)	35
MICROMED - DIXI	36
ELEKTA Oy	37
LivaNova	38
Wisepress Medical Bookshop	39
IBE	40
ILAE	

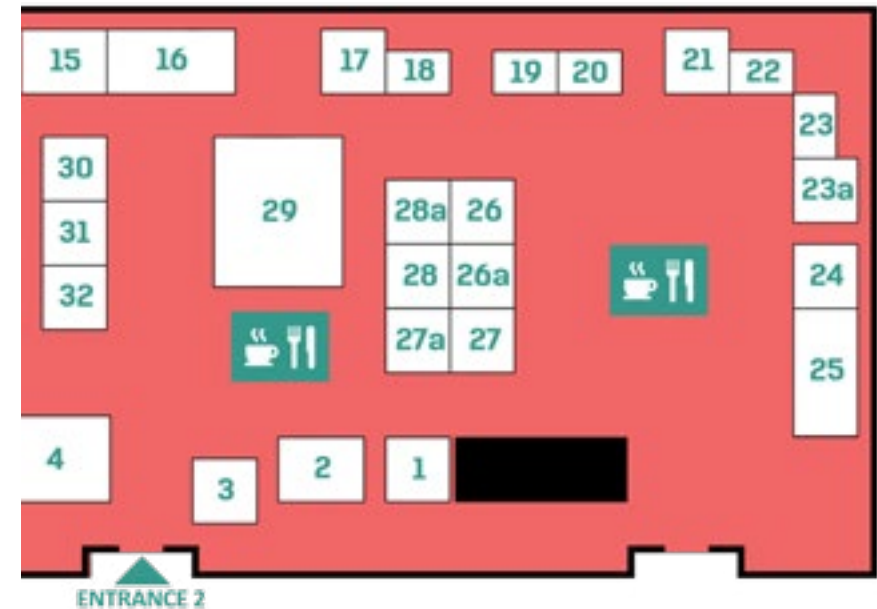


## EXHIBITION FLOOR PLANS

### Exhibition Opening Hours

Sunday 3<sup>rd</sup> September 2017: 09.00 – 16.30  
 Monday 4<sup>th</sup> September 2017: 09.00 – 16.30  
 Tuesday 5<sup>th</sup> September 2017: 09.00 – 16.30

## EXHIBITION HALL



# OTHER INFORMATION

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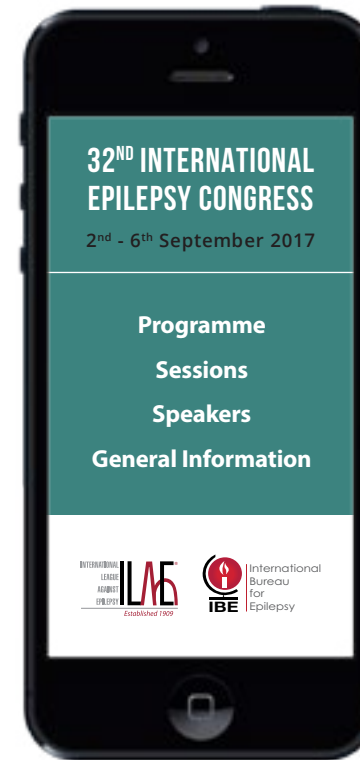


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- ✓ Decreased Seizure Severity



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**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.

**WARNINGS:** 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](http://www.VNSTherapy.com) for more information.

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