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Key app features:

- Scientific Programme
- Session Details
- Abstracts
- General Information
- Exhibition Information
- and many more . . .

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FREE WiFi for all registered delegates during the congress in the congress venue

> Network name: IEC 2013 Password: Montreal







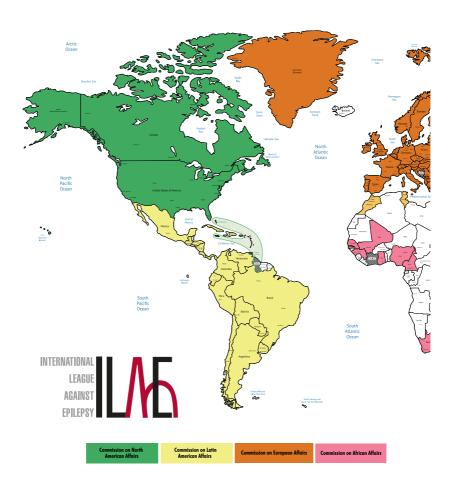




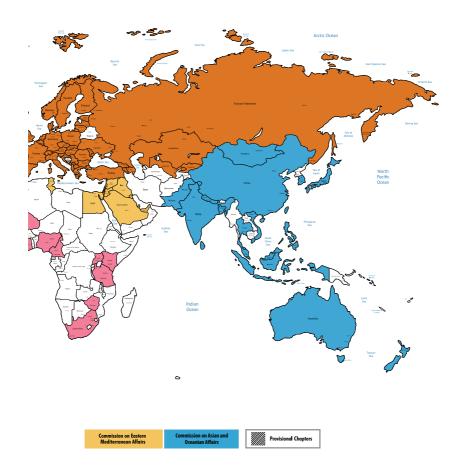
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EPILEPSY AROUND THE WORLD

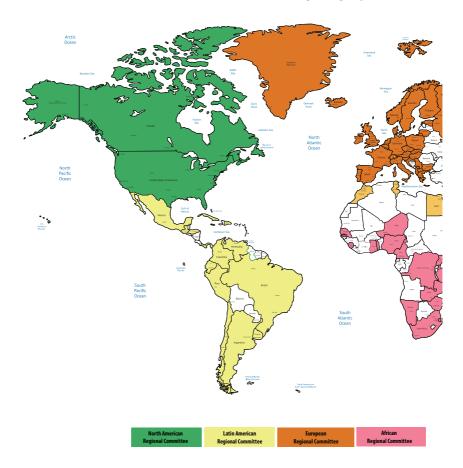


WELCOME TO THE ILAE GLOBAL COMMUNITY

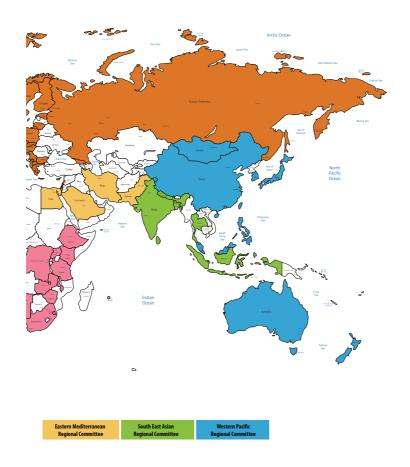




International Bureau for Epilepsy



A global network of lay epilepsy associations, supporting people with epilepsy, their families and carers, in 93 countries around the world. Are we somewhere near you?



5

ACKNOWLEDGEMENTS

Honorary Congress Chair

Frederick Andermann (Canada)

The International Organising Committee would like to thank the following people for their contribution towards the congress programme:

International Advisory Committee

Lionel Carmant (Canada), Hanneke de Boer (Netherlands), Ding Ding (China), Tarun Dua (Switzerland), Paula T. Fernandes (Brazil), Jacqueline French (USA), Sheryl Haut (USA), Frances Jensen (USA), Astrid Nehlig (France), Jeff Noebels (USA), Natela Okujava (Georgia), Sharon Whiting (Canada)

Education Committee

Malachy Bishop (USA), Susanne Lund (Sweden), Chong-Tin Tan (Malaysia), Walter van Emde Boas (Netherlands)

Abstract Review Committee

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- E. Donner (Canada), L. Bello-Espinosa (Canada), P. Federico (Canada),
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- S. Haut (USA), C. Helmstaedter (Germany), B. Hermann (USA), P. Jayakar (USA),
- N. Jetté (Canada), M. Jones-Gotman (Canada), A. M. Kanner (USA), M. Kerr (United Kingdom),
- H. D. Kim (Republic of Korea), S. Kochen (Argentina), D. Lowenstein (USA),
- M. P. McAndrews (Canada), K. J. Meador (USA), H. Mefford (USA), M. Mula (Italy),
- R. Nabbout (France), A. Nehlig (France), T. O'Brien (Australia), N. Okujava (Georgia),
- P. Osborne Shafer (USA), H. Otsubo (Canada), K. Radhakrishnan (India),
- S. Rothemeyer (South Africa), A. Sakamoto (Brazil), L. Sander (United Kingdom),
- M. Secco (Canada), H. Senties (USA), M. Simonato (Italy), T. Tomson (Sweden),
- KP Vinayan (India), S. Wiebe (Canada), J. Wilmshurst (South Africa), S. Zuberi (United Kingdom)

Poster Tours Selection Committee

Poster Tour Coordinator: José E. Cavazos (USA)

Bursary Selection Committee

Solomon L. Moshé (USA), Emilio Perucca (Italy), Samuel Wiebe (Canada)

60 abstracts have been selected for bursaries by the Bursary Selection Committee. The bursaries covering travel and/or registration and/or accommodation expenses are provided by the ILAE. The list of awardees is available on page 22-23.

WELCOME FROM THE INTERNATIONAL ORGANISING COMMITTEE

Dear Friends and Colleagues,

On behalf of the International Organising Committee, it gives us great pleasure to welcome you to the 30th International Epilepsy Congress (IEC) in the vibrant city of Montreal.

This biennial meeting is unique in that it is the first international ILAE-IBE congress held in North America in the past 30 years. The aim of this congress is to be an instructive and entertaining experience, presenting an excellent opportunity for networking and meeting colleagues from around the world.

The exciting scientific and educational programmes encompass practical and advanced knowledge on the causes and consequences of epilepsy, as well as salient developments in diagnostic and therapeutic interventions. On the causes of epilepsy, topics will include new knowledge on pathophysiology and genetics. Sessions on the consequences of epilepsy will discuss somatic, psychiatric and social comorbidity, as well as mortality. Presentations on advanced diagnostic methods will include progress on presurgical evaluation, advanced imaging, neurophysiology and multimodal co-registration. The area of treatment will explore novel medical and surgical therapies aimed at controlling seizures and improving the quality of life and psychosocial well-being of patients with epilepsy. There is also a strong focus on high quality poster presentations.

The city of Montreal is one of Canada's most unique and lively cities, offering a perfect blend of the old and new. A city steeped in tradition and home to the Montreal Neurological Institute [MNI] at McGill University, which has become an international centre for teaching, research and treatment related to diseases of the nervous system and brain disorders. The MNI was founded in 1934 by Dr. Wilder Penfield, one of Canada's foremost neurosurgeons, best known for his discovery of a surgical treatment for epilepsy. The scientific programme acknowledges Dr. Penfield in a special symposium entitled: "The pioneers at the Montreal Neurological Institute: early concepts in today's practice".

We invite you to attend the Welcome Ceremony on Sunday 23^{rd} June. The ceremony will feature the presentation of awards given jointly by ILAE and IBE: the Lifetime Achievement Award, the Award for Social Accomplishment in Epilepsy and the Ambassador for Epilepsy Awards. The Michael Prize and the Morris-Coole *Epilepsia* Prize will also be presented during the ceremony. This will be followed by the Welcome Reception, supported by a kind contribution from Tourisme Montréal.

We sincerely hope that you enjoy your time at the 30th International Epilepsy Congress in Montreal, where scientific excellence meets sheer joie de vivre!

With warm regards,

International Organising Committee



Solomon L. Moshé (USA) Congress Co-Chair



Mike Glynn (Ireland) Congress Co-Chair



Carlos Acevedo (Chile)
Congress Director



Samuel Wiebe (Canada)
Congress Director

International Organising Committee Members:

Hanneke de Boer (Netherlands), Sandy Finucane (USA), Jean Gotman (Canada), Emilio Perucca (Italy), Grace Tan (Singapore)

WELCOME MESSAGE FROM THE MAYOR OF MONTREAL

Chère participante, Cher participant,

Au nom des Montréalaises et des Montréalais, je suis heureux de souhaiter la bienvenue dans notre métropole aux participantes et participants du 30th International Epilepsy Congress.

Je suis convaincu que vous trouverez ici un environnement extrêmement propice à vos échanges car Montréal est une ville de savoir et la recherche de haut niveau y est très développée, en particulier dans les sciences de la santé. De plus, notre métropole est en train de renouveler ses équipements hospitaliers, ce qui rend cette période particulièrement propice aux questionnements et à la réflexion sur les traitements, les avancées scientifiques et technologiques ainsi que l'environnement médical le plus propice aux soins.

Par ailleurs, comptant parmi les villes les plus anciennes d'Amérique du Nord et se trouvant au carrefour des influences américaines et européennes, Montréal possède à maints égards une personnalité originale. Métropole culturelle très animée en toute saison, cosmopolite et ouverte sur le monde, la ville la plus francophone du continent a su développer un art de vivre qui lui est propre. En vous souhaitant un excellent séjour et des échanges fructueux, je vous invite donc à profiter de votre passage pour découvrir ou redécouvrir une ville qui ne cesse d'évoluer, de s'embellir et de renforcer ses atouts dans tous les domaines. Je suis convaincu que vous serez particulièrement séduits par sa gastronomie, son quartier historique inscrit au patrimoine mondial de l'UNESCO, son nouveau Quartier des spectacles, ses terrasses et ses festivals reconnus internationalement.

Mes meilleurs vœux de succès accompagnent tous ceux et celles qui ont pris part à l'organisation de cette importante rencontre.

Bon congrès!

Michael Applebaum

Maire de Montréal

Dear Participants,

On behalf of all Montrealers, I am pleased to welcome participants to the 30^{th} International Epilepsy Congress to our metropolis.

I am certain our atmosphere will prove conducive to your deliberations, since Montreal is a centre of knowledge and advanced research, particularly in the health sciences. As our city is also engaged in upgrading its leading hospital facilities, this is an excellent time to rethink treatments, scientific and technological progress and the best medical environment for care.

Furthermore, as one of North America's oldest cities, situated at a crossroads of American and European influences, Montreal has a unique character. A thriving cultural hub at any time of year, with a cosmopolitan flair and window on the world, the continent's most populous French-speaking city has developed a distinct art of living.

I wish you an excellent stay and productive discussions. I also hope will you profit from your visit by discovering or rediscovering a city that continues to evolve, grow ever more beautiful and build on its assets in all fields. I know you will be particularly delighted by our fine dining, our historic district (a UNESCO World Heritage site), our new Quartier des spectacles, our outdoor cafés and our internationally acclaimed festivals.

I wish great success to all those taking part in this important meeting.

Have an excellent event!

Michael Applebaum

Mayor of Montreal

WELCOME MESSAGE FROM TOURISME MONTRÉAL

Dear All,

On behalf of Tourisme Montréal and all of our tourism industry professionals, I would like to welcome you to Montreal for the 30^{th} International Epilepsy Congress.

Home to thriving academic, scientific and research communities, Montreal is the perfect setting for collegial encounters and stimulating exchanges of ideas during the congress. As well, with its multicultural, multilingual population and lively, welcoming atmosphere, you are sure to feel at home as you explore the streets and neighbourhoods of our city.

Montreal is internationally renowned for its fabulous festivals, gourmet food, and exciting cultural scene. And summer is a wonderful time to visit Montreal, as the festival season is in full swing and the city is alive with vast range of summer activities for every taste and interest. I hope you will consider extending your stay to take in some of the world-class musical performances at the 34th Edition of the Festival International de Jazz de Montréal, which begins on June 28th in the heart of the Quartier des spectacles, our new entertainment district.

We wish you a successful congress and invite you to take some time to discover some of the many attractions that Montreal has to offer.

Enjoy your stay!

The Honourable Charles Lapointe, P.C.

President and Chief Executive Officer

The International League Against Epilepsy (ILAE) and the International Bureau for Epilepsy (IBE) would like to thank Tourisme Montréal for their contribution to the IEC.



GENERAL CONGRESS INFORMATION

Facilities Timetable

	Sunday	Monday	Tuesday	Wednesday	Thursday
Registration	08:00-19:00	07:00-18:00	07:00-18:00	07:00-18:00	07:00-13:00
Coffee Break (Morning)	-	11:00-11:30	11:00-11:30	11:00-11:30	11:00-11:30
Coffee Break (Afternoon)	-	16:00-16:30	16:00-16:30	16:00-16:30	-
Lunch	-	13:00-14:30	13:00-14:30	13:00-14:30	-
Poster Display	-	10:00-17:00	10:00-17:00	10:00-17:00	-
Poster Tours	-	13:30-14:30	13:30-14:30	13:30-14:30	-
Exhibition	-	09:00-17:00	09:00-17:00	09:00-17:00	09:00-12:00
Internet Centre	-	09:00-17:00	09:00-17:00	09:00-17:00	09:00-12:00
Speakers' Room	08:00-19:00	07:00-18:00	07:00-18:00	07:00-18:00	07:00-12:00

Certificate of Attendance

Attending delegates are entitled to receive a Certificate of Attendance.

The Certificate (including CME details) will be provided when collecting your congress name badge or registering for the congress.

Cloakroom

A cloakroom for coats and luggage is available on Level 2 of the Palais des congrès de Montréal. The cloakroom will be open on Wednesday and Thursday.

Exhibition

The Exhibition Area is situated on Level 5 of the of the Palais des congrès de Montréal. Exhibition opening times are listed on the Facilities Timetable Overview.

IBE General Assembly

The IBE General Assembly will take place on Wednesday, 13:00 - 17:00, in room 515abc of the Palais des congrès de Montréal. The IBE General Assembly is open to IBE Member Association representatives only and all representatives are invited to attend. Lunch will be provided.

ILAE General Assembly

The ILAE General Assembly will take place on Wednesday, 17:00 - 18:30, in Hall 7 of the Palais des congrès de Montréal. The ILAE General Assembly is open to ILAE Chapter representatives only and all representatives are invited to attend.

Internet Centre

The Internet Centre is located by the Poster Area in the Exhibition Area, situated on Level 5 of the Palais des congrès de Montréal.

Please note that the information contained in this programme may be subject to change. Please check www.epilepsymontreal2013.org for the latest updates.

30th International Epilepsy Congress

Language

The official language of the congress is English; please note that translation facilities will not be 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 Montreal. It is therefore recommended that participants arrange their own personal health, accident and travel insurance

Lunches and Coffee Breaks

Lunches will be served Monday - Wednesday and Coffee Breaks Monday - Thursday morning in the Exhibition Area, situated on Level 5 of the of Palais des congrès de Montréal.

Posters

Posters are exhibited in the Poster Area, adjacent to the Exhibition Area, situated on Level 5 of the Palais des congrès de Montréal. Posters will be on display from 10:00 - 17:00 on Monday, Tuesday and Wednesday. Poster presenters are required to set up their posters between 09:00 - 10:00 each morning. Posters must be removed each evening between 17:00 - 18:00.

Registration

The Registration Area is located on Level 5 of the Palais des congrès de Montréal; congress bags can also be collected from this point. Please note that name badges must be worn at all times.

Secretariat Office

Members of the Congress Secretariat can be contacted at the Registration Area, which is located on Level 5 of the Palais des congrès de Montréal.

For queries arising after the congress, please contact:

30th IEC Montreal 2013 ILAE /IBE Congress Secretariat 7 Priory Hall Stillorgan Road Blackrock Co. Dublin

Tel: + 353 1 2056720 Fax: + 353 1 2056156

Email: montreal@epilepsycongress.org

Smoking Policy

The Palais des congrès de Montréal is a non-smoking area.

Speakers' Room

The Speakers' Room is located in room 512d on Level 5 of the Palais des congrès de Montréal (beside Hall 7). 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.

Special Displays

IBE Milestones Walkway

Since 1961, IBE has reached several important milestones in its busy history. These significant events will be celebrated with a 'Milestones Walkway' designed to allow passersby to grab a glimpse of a significant date or period in IBE's history. The Milestones Walkway is located close to the Registration Area on Level 5.

Stand Up For Epilepsy Photography Exhibition

The ILAE, through the taskforce on Sports and Epilepsy, has produced a photography exhibition entitled 'Stand Up For Epilepsy'. The collection features people with epilepsy alongside some of the biggest names from the sporting world. The collection will be on display for the duration of the congress and is located on Level 5 of the congress venue. A commemorative book, which celebrates the 'Stand Up For Epilepsy' exhibition, is available to all delegates from the ILAE-IBE exhibition booth.

Painting on display 'Epilepsy, leaving the nightmare behind' (2013)

A painting by the Mexican artist Eduardo Urbano Merino will be on display throughout the congress in the Exhibition Hall on Level 5. The painting is a contemporary art piece representing epilepsy surgery.

Scientific Exhibits

Sponsored Scientific Exhibits of posters will take place at the following times:

Company	Date & time	Room
Eisai, Inc.	Tuesday 25 th June, 08:00-13:00	515
Medtronic	Tuesday 25 th June, 14:00-17:00	514
UCB Pharma	Wednesday 26 th June, 09:00-17:00	514

30th International Epilepsy Congress

Venue

Palais des congrès de Montréal 1001 Place Jean-Paul Riopelle Montreal QC H2Z 1H2 Canada

Tel: +1 5148718122 Fax: +1 5148719389

Website: www.congresmtl.com

You can find almost everything you need right in the heart of the Palais des congrès de Montréal. Les Galeries du Palais' is a commercial mall home to approximately 20 service locations and stores, including restaurants and boutiques. The shopping promenade links directly with the city's underground pedestrian network and the Place-d'Armes metro station.

Welcome Ceremony and Reception

The Welcome Ceremony will take place on Sunday 23rd June in Hall 1, 19:00-20:00, on Level 7 of the Palais des congrès de Montréal. The ceremony will open with welcomes from representatives of ILAE and IBE 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 Michael Prize, the Morris-Coole *Epilepsia* Prize, the Social Accomplishment Award and the Lifetime Achievement Award.

All delegates are invited to join a Welcome Reception which will be held on the Terrace of the congress venue, also located on Level 7.

Wheelchair Access

All entrances of the Palais des congrès de Montréal are wheelchair accessible.

Wif

Free wifi is available to registered delegates in the Palais des congrès de Montréal, for the duration of the congress.

Network name: IEC_2013 Password: Montreal

A session planner can be downloaded from the congress website: www.epilepsymontreal2013.org, which will assist you with the planning of your schedule and accessing all scientific session information, such as dates and times of sessions.

Tourisme Montréal

For questions regarding 'where to go?' and 'what to do?' in your leisure time, please go to the Tourisme Montréal Desk located in close proximity to the Registration Area on Level 5.

MONTREAL PRACTICAL INFORMATION

Business Hours

In general, most offices operate between the hours of 09:00 and 17:00, Monday to Friday, although business hours do vary from one industry to another. Please note that Monday 24^{th} June is a public holiday in Quebec.

Communications

The international dialling code for Canada is 1 and then Montreal uses the 514 area code.

Currency, Credit Cards and Exchanging Money

The unit of currency is the Canadian dollar. Coins: 5, 10, 25 cents, \$1 and \$2. Notes: \$5 (blue), \$10 (purple), \$20 (green), \$50 (red) and \$100 (brown).

Some shops and businesses are cautious about accepting bills larger than \$20 because of counterfeits.

Most stores and restaurants accept Visa and MasterCard and some accept American Express. The most favourable exchange rate is usually available by using a credit card. Most ATMs are networked to Cirrus and Interac and accept major credit cards with a PIN.

There are many currency exchange centres throughout the downtown area. They either charge a fee or take a couple of percentage points off the exchange rate for their services. Bank branches are commonly open from 10:00 to 16:00 during the week, often with extended hours on Thursday or Friday.

Electricity

Electricity in Canada is 110V and the plugs are the same as in the USA. Delegates from a country that uses 220V electricity must have a converter for any appliances from their home country.

Language

Montreal is a bilingual city (French and English). Quebec's language laws mean there are few signs in English, but in the parts of Montreal where most travellers go, services are available in English as well as in French.

Public Holiday

Monday 24th June is a public holiday in Quebec for St-Jean-Baptiste/Fête de la Saint-Jean/Fête Nationale. Some shops open on this holiday, although banks, post offices and most offices will remain closed.

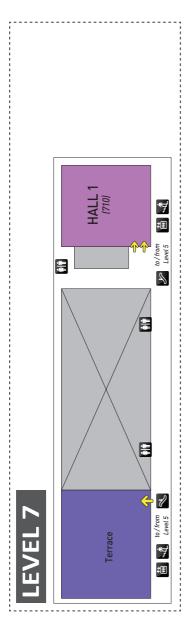
Taxes

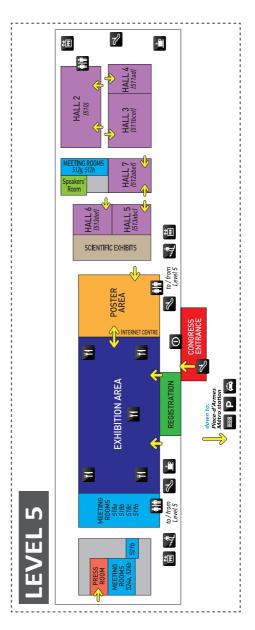
Most goods and services in Quebec are subject to two taxes, a federal Goods and Services Tax of 5% (Taxe sur les produits et services – TPS) and a provincial sales tax of 9.975% (Taxe de vente du Québec – TVQ).

Time Difference

Montreal is in the Eastern time zone of North America which is 5 hours behind Greenwich Mean Time during the summer.

CONGRESS CENTRE FLOOR PLAN





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AWARDS

Lifetime Achievement Award

The Lifetime Achievement Award is the highest award presented jointly by the IBE and the ILAE. The Award is given to an individual to recognise and honour his or her exceptional and outstanding personal contribution over a long period of time to activities that advance the cause of epilepsy.

The recipient of the Lifetime Achievement Award is: Juhn Wada (Canada).

Prof. Juhn Atsushi Wada was born in Japan in 1924 and has, over his long and illustrious career, carved a significant reputation for his research in epilepsy, including his description of the Wada Test for cerebral hemispheric dominance of language function. He worked at the University of Minnesota and the Montreal Neurological Institute, then settled at University of British Columbia in 1956, where he was Professor of Neurology. He created the first surgical epilepsy programme and seizure monitoring unit in British Columbia.

His main interest has been in human brain asymmetry and neurobiology of epilepsy, for which work he received many internationally renowned awards: Associate of the Medical Research Council of Canada 1966-1994; founding president Canadian League Against Epilepsy 1977-1979; president American Epilepsy Society 1988 and he received the Wilder Penfield Gold Medal in 1988. He was appointed Officer of the Order of Canada in 1992 and awarded the Queen Elizabeth II Diamond Jubilee Medal in 2012.

Social Accomplishment Award

Every two years one individual who has carried out outstanding activities aimed at the social benefit of people with epilepsy, is recognised by the IBE and the ILAE. The name of the recipient is added to the award winners' Hall of Fame maintained by the IBE and the ILAE.

The recipient of the Social Accomplishment Award is: Jane Hanna (United Kingdom).

Bereaved in 1990, through her partner's unexplained death from epilepsy, Jane had the vision to use her experience to highlight the unrecognised issue of epilepsy mortality. At the time she had a prestigious academic career, lecturing at Oxford University. This she sacrificed to dedicate her time to a unique problem: that SUDEP and other epilepsy deaths were not recognised nor understood and people with epilepsy were at risk of dying unnecessarily.

Jane co-founded Epilepsy Bereaved, established to support families, influence clinicians and politicians, and promote research on epilepsy-related deaths. Twenty-two years of conviction, enthusiasm and refusal to be deflected resulted in a seismic shift in thinking and practice on SUDEP and epilepsy mortality internationally. In 2010 Jane was awarded an OBE by Queen Elizabeth II for distinguished services.

Ambassador for Epilepsy Awards

The Ambassador for Epilepsy Award is given jointly by the IBE and the ILAE to individuals to recognise outstanding personal contributions to activities that advance the cause of epilepsy. These contributions and activities should either be performed at an international level or they should have an international impact or significance. The award reflects international peer recognition and it is given for the lifetime of the recipient. No more than 12 awards will be given at any one time.

The following recipients will receive their award during the Welcome Ceremony of the 30th International Epilepsy Congress:

Gretchen Birbeck (USA)
Alla Guekht (Russian Federation)
Dale Hesdorffer (USA)
Sunao Kaneko (Japan)
Byung-In Lee (Republic of Korea)
Li Li Min (Brazil)
Daniel Lowenstein (USA)
Gary Mathern (USA)
Gay Mitchell (Ireland)
Jorge Rodriguez (USA)
Ingrid Scheffer (Australia)
Matthew Walker (United Kingdom)

The 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.

The recipient of the 2013 Michael Prize is: Ding Ding (China).

The award will be presented during the Welcome Ceremony on Sunday 23rd June. The winning paper "Premature mortality risk in people with convulsive epilepsy: Long follow-up of a cohort in rural China" will be presented during the Awards Symposium on **Monday 24**th **June between 16:30 and 17:30** in Hall 1

Morris-Coole Epilepsia Prize

The Morris-Coole *Epilepsia* Prize is supported by the ILAE and the Morris-Coole Trust. The Prize is awarded to the first author of a paper published in *Epilepsia* in the previous calendar year that presents high quality research (basic or clinical) with important implications for understanding and/or treating epilepsy-related phenomena. It is designed to encourage young scientists and/or clinicians to continue their work in epilepsy research.

The winner of the 2012 Morris-Coole Epilepsia Prize is: Mark R. Bower (USA)

Dr. Bower's findings "Spatiotemporal neuronal correlates of seizure generation in focal epilepsy" [Mark R. Bower, Matt Stead, Fredric B. Meyer, W. Richard Marsh and Gregory A. Worrell, *Epilepsia* 53: 807-816, 2012] will be presented during the Awards Symposium on **Monday 24th June between 16:30 and 17:30** in Hall 1.

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SCIENTIFIC PROGRAMME INFORMATION

Presidential Symposium

This high profile symposium 'Epilepsy-beyond seizures', was carefully constructed by the Presidents of the ILAE and the IBE. The syposium investigates the issues relating to epilepsy beyond the seizures themselves, how seizures affect the patient's life, addressing questions from etiology to SUDEP, including comorbidities and issues with modelling such a complex disease.

Awards Symposium

The Awards Symposium will take place on Monday 24th June from 16:30 to 17:30 in Hall 1.

TEACHING PROGRAMME

Coordinator: Walter van Emde Boas (Netherlands)

Members: Malachy Bishop (USA), Susanne Lund (Sweden), Chong-Tin Tan (Malaysia)

VIREPA Sessions

Virepa teaching sessions take place Monday to Thursday, 07:30 to 09:00. These sessions will cover topics such as: 'Basic and paediatric EEG in epilepsy', 'Epilepsy and sleep: diagnostic and clinical interactions' and 'Difficult neuroimaging in epilepsy'.

Case Orientated Teaching Sessions

Case orientated teaching sessions, take place from Monday to Thursday, 07:30 to 09:00. They will focus on adult and paediatric cases, as well as surgical cases.

'How To' Teaching Sessions

A series of 'How to' teaching sessions take place Monday to Thursday, 07:30 to 09:00. The sessions will explore themes such as 'What to do and not to do after a first unprovoked seizure?', 'EEG and imaging in the diagnosis and management of epilepsy', 'Optimising therapy in new onset and chronic epilepsy' and 'Management of the really intractable patient'.

'What's new in diagnostics' Teaching Sessions

There will be four 'What's new in diagnostics' sessions taking place from Monday to Thursday, 07:30 to 09:00 entitled: 'What genetics test should I be ordering today in my patients?', 'The new EEG era', 'Advances in neuropsychology of epilepsy: spotlight on the right temporal lobe', and 'Practical management of seizures in the Intensive Care Unit'.

Video Sessions

Video sessions take place from 07:30 to 09:00 on Tuesday, focusing on adults, and on Thursday, focusing on paediatrics.

Teaching Courses

On Monday morning, 07:30 to 09:00, a curso hispano ALADE takes place, focusing on 'Evaluación prequirúrgica en epilepsia - abordaje práctico'.

On Wednesday morning, 07:30 to 09:00, the Asian Epilepsy Academy (ASEPA) course takes place, entitled: 'Dilemmas in the use of AEDs'.

30th International Epilepsy Congress

'MISSION IMPOSSIBLE' EPI-QUIZ

Epi-Quiz Producer: Alexis Arzimanoglou (France)

Epi-Quiz 'Sages': Solomon L. Moshé (USA) & Mike Glynn (Ireland)

Epi-Quiz Actors: Frederick Andermann (Canada), Ed Bertram (USA),
Leonor Cabral-Lim (Philippines), Peter Camfield (Canada), Fernando Cendes (Brazil),
Helen Cross (United Kingdom), Sandy Finucane (USA), Alla Guekht (Russian Federation),
Sherifa Ahmed Hamed (Egypt), Lawrence J. Hirsch (USA), Hassan Hosny (Egypt),
Johann Hotlhausen (Germany), Akio Ikeda (Japan), Angelina Kakooza (Uganda),
Byung-In Lee (Republic of Korea), Phil Lee (United Kingdom), Astrid Nehlig (France),
Ingrid Scheffer (Australia), Manjari Tripathi (India), Anthony Zimba (Zambia)

The 'Mission Impossible' Epi-Quiz will take place on Thursday 27th June, 11:30- 13:30, in Hall 2. Questions will deal with all aspects of epilepsy from scientific to social, and have been provided by prominent members of the epilepsy community worldwide.

The actors will be divided into four IMF teams (IMF = Impossible Mission Force), each including a basic scientist, an adult neurologist, a child neurologist, a neurophysiology/neuroimaging or treatment expert and a specialist on patient and social issues.

Two pairs of IMF teams will compete for 30 minutes each.

During the last 30 minutes of the 30^{th} International Epilepsy Congress the 2 winning teams will compete for the "ILAE/IBE Mr Phelps team" award.

CONTINUING MEDICAL EDUCTION (CME) ACCREDITATION

The 30th International Epilepsy Congress is approved for up to 29 credits by the Office for Continuing Health Professional Education (CHPE), Faculty of Medicine, McGill University. The CHPE is fully accredited by the Committee on Accreditation of Canadian Medical Education (CACME).

The 30th International Epilepsy Congress is an Accredited Group Learning Activity as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada.

Through a reciprocal agreement between the American Medical Association and the Royal College of Physicians and Surgeons of Canada, the Office for CHPE designates this activity for AMA PRA Category 1 credit(s) up to the maximum number of credit hours noted above. Please visit www.ama-assn.org for further details.

An international accreditation agreement between the Royal College of Physicians and Surgeons of Canada and the European Union of Medical Specialists allows European Union (EU) physicians who participate in accredited live educational activities held in Canada to convert Maintenance of Certification (MOC) - Accredited Group Learning credits to European Continuing Medical Education Credits (ECMECs). Please visit www.royalcollege.ca for further details.

Each physician should claim only credit commensurate with the extent of their participation in the activity.

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ABSTRACTS

The International Organising Committee would like to thank all of those who submitted an abstract for review for the 30th International Epilepsy Congress. Almost 1,200 abstracts were received in 18 categories.

Abstracts may be viewed online under "posters" in the interactive session planner on the congress website: www.epilepsymontreal2013.org. Abstracts are also accessible via the *Epilepsia* website: http://onlinelibrary.wiley.com/doi/10.1111/epi.2013.54.issue-s3/issuetoc

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

Platform Sessions

72 abstracts were selected for platform presentation in 12 sessions. Platform sessions will take place on Monday and Tuesday from 14:30 to 16:00.

Posters

Poster presenters are instructed to set up their posters between 09:00 and 10:00 on their assigned day. Posters must then be removed between 17:00 and 18:00. Please note that the 30th IEC does not take responsibility for unclaimed posters. The Poster Area is located adjacent to the Exhibition Area, situated on Level 5 of the Palais des congrès de Montréal.

Poster Tours (for more information see page 74)

Guided poster tours, led by a very prestigious roster of experts in the field, will take place during the congress. Presenters are asked to be available at their poster on their assigned day [13:30- 14:30]. Each presenter will have 3-5 minutes to present his/her research and answer questions.

Poster Tours Selection Committee

Poster Tour Coordinator: José E. Cavazos (USA)

TRAVEL BURSARIES

In order to encourage young investigators to participate in the 30^{th} IEC, 60 travel bursaries were awarded by the ILAE to assist with travel and/or registration and/or accommodation expenses.

Travel Bursary Awardees

First name	Last name	Country
Marlien	Aalbers	Netherlands
Elizabeth	Adams	USA
Souhad	Al Faqih	Syrian Arab Republic
Eric	Azabou	France
Patricia	Barbalho	Brazil
Laura	Bird	Australia
Dezhi	Cao	China
Gemma	Carvill	USA
Sarat	Chandra	India
Amitha	Chandra Mohan	India
Shuhua	Chen	China
Ana	Coito	Switzerland
Marios	Constantinou	Cyprus
Alessandra	Del Felice	Italy
Wan Chen	Dou	China
Tie	Fang	China
Michael	Fawale	Nigeria
Mark	Ferro	Canada
Lisa	Flinton	United Kingdom
Federica	Frigerio	Italy
Elena	Gardella	Denmark
Siby	Gopinath	India
Marcel	Heers	Canada
Sophie	Hennion	France
Divyata	Hingwala	India
Katherine	Howell	Australia
Vera	Jäger	Germany
Eun Yeon	Joo	USA
Lakshminarayanan	Kannan	India

First name	Last name	Country
Symon	Kariuki	Kenya
Michal	Kucewicz	USA
Jin-Mei	Li	China
Wei-Ping	Liao	China
Ee Tuan	Lim	United Kingdom
Helena	Maher	Ireland
Hiba	Mahmud	Pakistan
Drago Mihai	Malîia	Romania
Alexandre	Matos	Brazil
Pierre	Megevand	Switzerland
Heng	Meng	China
Barbara	Mostacci	Italy
Mikko	Muona	Finland
Amargargal	Myangaa	Mongolia
V V Chakravarthi	Narla	Canada
Marcus	Ng	USA
Laura	Noutsa	Senegal
Ahmed	Omran	China
Nahuel	Pereira de Silva	Argentina
Ruta	Praninskiene	Lithuania
Р	Praveen K Raju	India
Michal	Ryzí	Czech Republic
Shanika	Samarasekera	Australia
Shaily	Shukla	India
Maria	Siddiqi	Canada
Alba	Sierra-Marcos	Switzerland
Arvid	Suls	Belgium
Meng-Han	Tsai	Australia
Anna Elisabetta	Vaudano	Italy
Тао	Zeng	China

FULL WEEK TIMETABLE

	Sunday 23 rd June					Monda 24 th Jun	-
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SUNDAY 23RD JUNE

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14.00-14.30	MNI Composiumo			14.00-14.30
14.30-15.00	MNI Symposium: The pioneers at the	Neurobiology		14.30-15.00
15.00-15.30	Montreal Neurological	Symposium:	IBE Symposium:	15.00-15.30
15.30-16.00	Institute: early concepts in today's practice	Role of non-neuronal cells in epileptogenesis	Making the case for IBE's international advocacy	15.30-16.00
16.00-16.30	,			16.00-16.30
16.30-17.00				16.30-17.00
17.00-17.30	Parallel Session:	Parallel Session:	Parallel Session:	17.00-17.30
17.30-18.00	Emerging concepts in	Infantile spasms: from basic	Epilepsy at school	17.30-18.00
18.00-18.30	status epilepticus	neuroscience to clinic		18.00-18.30
18.30-19.00				18.30-19.00
19.00-19.30	Wolcome Coromonic			19.00-19.30
19.30-20.00	Welcome Ceremony			19.30-20.00
20.00-20.30	Walaama Basantiss			20.00-20.30
20.30-21.00	Welcome Reception			20.30-21.00

SUNDAY 23RD JUNE

14:00-16:30 MNI SYMPOSIUM

Hall 1

The pioneers at the Montreal Neurological Institute: early concepts in today's practice (supported by an educational grant from UCB)

Chairs: Jean Gotman, Canada & Tatsuya Tanaka, Japan

Epilepsy surgery at the MNI: the history André Olivier, Canada

Imaging at the MNI: the history William Feindel, Canada

Wilder Penfield: resecting the focus while preserving function *Tatsuya Tanaka, Japan*

Herbert Jasper: mapping epileptic activity *Philippe Kahane, France*

Theodore Rasmussen: red spikes, green spikes and surgical outcome André Palmini, Brazil

Brenda Milner: starting with H.M. and setting the memory stage *Mary Lou Smith, Canada*

Pierre Gloor: epilepsy is a network disease George Kostopoulos, Greece

Frederick Andermann: seeking innovative pathways to explain observation
Sam Berkovic, Australia

Concluding remarks Juhn Wada, Canada

14:30-16:30 NEUROBIOLOGY SYMPOSIUM

Role of non-neuronal cells in epileptogenesis

Chairs: Alon Friedman, Israel & Annamaria Vezzani, Italy

Open blood-brain barrier and epilepsy Uwe Heinemann, Germany

Transformation of astrocytes during epileptogenesis $\it Douglas\ Coulter,\ USA$

Role of immunity in epileptogenesis Annamaria Vezzani, Italy

Astrocytic dysfunction in temporal lobe epilepsy Christian Steinhäuser, Germany

14:30-16:30 IBE SYMPOSIUM

Making the case for IBE's international advocacy

Chair: Hanneke de Boer, Netherlands

Latin American Epilepsy Day and the PAHO Initiative Carlos Acevedo, Chile

European Epilepsy Day and the European Declaration $Ann\ Little,\ Ireland$

The Chinese International Epilepsy Day and the success of the GCAE in China Shichuo Li, China

Epilepsy Month (USA) and the advocacy impact of The Washington Walk Sandy Finucane, USA

The importance of International Days supported by WHO and UN - Autism Speaks

Andy Shih, USA

17:00-18:30 PARALLEL SESSION

Emerging concepts in status epilepticus

Chair: Daniel Lowenstein, USA

Treatment targets: illusive or real? Matthew Walker, United Kingdom

Refractory status epilepticus - etiology and management Andrea Rossetti, Switzerland

Optimising pre-hospital treatment of status epilepticus Robert Silbergleit, USA

The future: clinical trials provide definitive answers Daniel Lowenstein, USA

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Hall 2

Hall 3

Hall 1

17:00-18:30 PARALLEL SESSION

Hall 2

Infantile spasms: from basic neuroscience to clinic

Chair: Patrick Van Bogaert, Belgium

Current understanding of the causes of infantile spasms Patrick Van Bogaert, Belgium

Infantile spasms and disorders of interneurons: interneuronopathies William B. Dobyns, USA

Novel treatments based on animal models Emmanuel Raffo. France

Current therapeutic approaches of infantile spasms Jaime Carrizosa, Colombia

17:00-18:30 PARALLEL SESSION

Hall 3

Epilepsy at school

Chair: Jennifer Preston, United Kingdom

Addressing stigma in the classroom - epilepsy awareness education programmes for students Amadou Gallo Diop, Senegal

Epilepsy comorbidities and their impact on learning David W. Dunn, USA

Educating school personnel Joyce Senior, Ireland

Education: transitioning to adulthood Jennifer Preston, United Kingdom

19:00-20:00 WELCOME CEREMONY

Hall 1

Followed by the Welcome Reception at the Terrace on Level 7.



31st International Epilepsy Congress

Istanbul, Turkey



6th - 10th September 2015





STOCKHOLM
29th June - 3rd July 2014

11th European Congress on Epileptology

LM6-CEA



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MONDAY 24TH JUNE

	Poster Area	HALL 1 (710)	HALL 2 (510)	HALL 3 (511 bcef)
07.00-07.30				Matthew's Friends
07.30-08.00			Curso Hispano ALADE:	Satellite Symposium:
08.00-08.30			Evaluación prequirúrgica en epilepsia - abordaje	Ketogenic dietary therapies – cooking up a storm
08.30-09.00			práctico	3 ,
09.00-09.30	20115			
09.30-10.00	Set up	Presidential Symposium:		
10.00-10.30		Epilepsy: beyond seizures		
10.30-11.00				
11.00-11.30	4:30	Coffee	Break 11:00 - 11:30	
11.30-12.00	0 - 1		Parallel Session:	
12.00-12.30	Posters all day - Poster Tours 13:30 - 14:30		The impact of epilepsy surgery on comorbid	Parallel Session: Epileptic encephalopathy
12.30-13.00	urs		psychiatric disorders	<u> Дриорио опоорпаюранту</u>
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16.00-16.30	_	Coffee	Break 16:00 - 16:30	
16.30-17.00			Controversies:	Controversies:
17.00-17.30	T	Awards Symposium	Localization: electrophysiology vs metabolism	When does treatment work and when does it fail?
17.30-18.00	Take down			
18.00-18.30		Eisai, Inc. Satellite		
18.30-19.00		Symposium: Can AMPA receptor antagonists fill an		
19.00-19.30		unmet need in the partial onset		

HALL 4 (511 ad)	HALL 5 (513 abc)	HALL 6 (513 def)	HALL 7 (512 abef)	
				07.00-07.30
VIREPA Teaching Session:	Case Oriented Teaching	How To?	What's new in diagnostics:	07.30-08.00
Basic and paediatric	Session:	What to do and not to do after a first unprovoked	Advances in neuropsychology of epilepsy: spotlight on the	08.00-08.30
EEG in epilepsy	Adult cases	seizure?	right temporal	08.30-09.00
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	Coffee Break 11:0	00 - 11:30		11.00-11.30
Parallel Session:			Parallel Session:	11.30-12.00
Controversies in epilepsy		Parallel Session: Preclinical drug discovery	Joint symposium with the World Federation of Neurology:	12.00-12.30
due to neurocysticercosis		,	Building epilepsy care –	12.30-13.00
				13.00-13.30
	Lunch & Posters 13	3:00 - 14:30		13.30-14.00
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				14.30-15.00
Platform Session: Basic Science	Platform Session: Neuroimaging	Platform Session: Social Issues	Platform Session: Genetics	15.00-15.30
				15.30-16.00
	Coffee Break 16:00	- 16:30		16.00-16.30
Controversies:			_	16.30-17.00
Costs and consequences of AEDs				17.00-17.30
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				18.30-19.00
				19.00-19.30

MONDAY 24TH JUNE

07:00-09:00 MATTHEW'S FRIENDS SATELLITE SYMPOSIUM

Ketogenic dietary therapies - cooking up a storm

Chair: Emma Williams, United Kingdom

What, why and how to use these dietary therapies? *Helen Cross, United Kingdom*

Who should get these dietary therapies? *Ingrid Scheffer, Australia*

How does it work? Jong Rho, Canada

07:30-09:00 CURSO HISPANO ALADE

Hall 2

Hall 3

Hall 4

Evaluación prequirúrgica en epilepsia - abordaje práctico

Chair: Manuel Campos, Chile

Elementos esenciales para establecer un programa de cirugía de epilepsia *Manuel Campos, Chil*e

Evaluación extracraneal Elza Márcia Yacubian, Brazil

Electrocorticografía y estimulación cortical *Mario A. Alonso Vanegas, Mexico*

Evaluación intracraneal Americo Sakamoto, Brazil

07:30-09:00 VIREPA

VIREPA TEACHING SESSION

Basic and paediatric EEG in epilepsy Chair: Walter van Emde Boas, Netherlands

"Old fashioned EEG": why we still need it Walter van Emde Boas, Netherlands

"Alice in Wonderland": EEG in paediatric epilepsy Perrine Plouin, France

Visual assessment of EEG localisation: from scalp to brain Sándor Beniczky, Denmark

07:30-09:00 CASE ORIENTED TEACHING SESSION: ADULT CASES

Hall 5

The patient as teacher

Chair: Hermann Stefan, Germany

The patient: from case history to diagnosis and treatment Hermann Stefan, Germany

The patient with epilepsy: optimal assessment with limited means Amadou Gallo Diop, Senegal

Long trajectories in the treatment of pharmacoresistant epilepsy lvan Rektor, Czech Republic

07:30-09:00 "HOW TO" SESSION

Hall 6

What to do and not to do after a first unprovoked seizure? Chair: Sharon Whiting, Canada

First seizure in childhood and adolescence: a minimalist approach Carter Snead, Canada

Investigating and counselling the first unprovoked adult seizure - what is too little and too much?

S. Nizam Ahmed, Canada

07:30-09:00 WHAT'S NEW IN DIAGNOSTICS

Hall 7

Advances in neuropsychology of epilepsy: spotlight on the right temporal lobe

Chair: Marilyn Jones-Gotman, Canada

The elusive right temporal lobe deficit: how to demonstrate it, and fMRI confirmation of right temporal lobe role in clinical memory tasks

Marilyn Jones-Gotman, Canada

Contributions of the right temporal lobe to autobiographical memory

Laurie Miller, Australia

Prediction of memory performance after resection from the right temporal lobe Hennric Jokeit, Switzerland

09:00-11:00 PRESIDENTIAL SYMPOSIUM

Hall 1

Epilepsy: beyond seizures

Chairs: Solomon L. Moshé, USA & Mike Glynn, Ireland

Epilepsy: who really has it? Robert S. Fisher, USA

My epilepsy does not define me Rick O'Shea, Ireland

SUDEP: continuing the global conversation Rosemary Panelli, Australia

Which really matters? The etiology or the spikes? *Alicia Bogacz, Uruguay*

Modeling a many-headed monster Rod C. Scott, United Kingdom

Attacking seizures and comorbidities: a drug for each syndrome? Aristea S. Galanopoulou, USA

11:30-13:00

PARALLEL SESSION

Hall 2

The impact of epilepsy surgery on comorbid psychiatric disorders Chair: Andres M. Kanner, USA

The impact of epilepsy surgery on depression and anxiety Andres M. Kanner, USA

Does temporal lobe epilepsy increase suicidality? Marco Mula, Italy

Epilepsy surgery and behavioural disturbances in cognitively impaired patients

Mike Kerr, United Kingdom

The impact of epilepsy surgery in patients with psychosis Naoto Adachi, Japan

11:30-13:00

PARALLEL SESSION

Hall 3

Epileptic encephalopathy Chair: Gregory L. Holmes, USA

Is it genetic or is it an accident? Federico Vigevano, Italy

Modeling high function and dysfunction following seizures Gregory L. Holmes, USA

Charting the waves: loci, circuits and systems Michael Siniatchkin, Germany

Who, when, and how shall we treat? Roberto Tuchman, USA

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11:30-13:00 PARALLEL SESSION

Hall 4

Controversies in epilepsy due to neurocysticercosis

Chair: Jorge Burneo, Canada

The spectrum of neurocysticercosis-related epilepsy Marco T. Medina, Honduras

Treatment – not as clear as it seems Jorge Burneo, Canada

Does neurocysticercosis cause mesial temporal sclerosis? Gagandeep Singh, India

Neurocysticercosis: burden, prevention and control strategies Arve Lee Willingham, Switzerland

11:30-13:00 PARALLEL SESSION

Hall 6

Preclinical drug discovery

Chairs: Michele Simonato, İtaly & Terence O'Brien, Australia

Defining the clinical "gaps to care" and the "opportunities" to develop new treatment approaches for epilepsy Jacqueline French, USA

Technical and methodological issues Astrid Nehlig, France

Development of anti-epileptogenic therapies Michele Simonato, Italy

Use of biomarkers and surrogate endpoints *Matthias J. Koepp, United Kingdom*

11:30-13:00 PARALLEL SESSION

Hall 7

Joint symposium with the World Federation of Neurology: Building epilepsy care - roadmap for beginners

Chair: Chong-Tin Tan, Malaysia

Burden: the many needs of patients Samuel Wiebe, Canada

Capacity building: the essentials Hasan Aziz. Pakistan

Comprehensive care: beyond the physician Ding Ding, China

Networking, advocacy and research *Chong-Tin Tan, Malaysia*

14:30-16:00	PLATFORM SESSION Paediatric epilepsy 1 Chair: Eduardo Barragán, Mexico
001	What predicts enduring intractability in children who appear medically intractable in the first two years after diagnosis? <u>Wirrell E</u> , Wong-Kisiel L, Mandrekar J, Nickels K (USA)
002	Incidence, prevalence and clinical outcome of Rasmussen Encephalitis in children from the United Kingdom Lamb K, Scott WJ, Mensah A, Varadkar S, Robinson R, Cross HJ (United Kingdom)
003	The relationship between epilepsy severity and social activities in children with new-onset epilepsy: the role of child cognitive and behaviour problems Ferro MA, Speechley KN (Canada)
004	Validation of Liverpool Adverse Events Profile in pediatrics patients with epilepsy and its correlation with the level of quality life of children with epilepsy <u>Lara-Herguedas J</u> , Serratosa-Fernández J, García-Peñas J-J, Ruiz-Falcó Rojas M, Gutierrez-Solana LG, Cazorla-Calleja R, Gutierrez-Cruz N, Roman-Riechmann E (Spain)
005	The effect of the ketogenic diet on the developing skeleton Mackay MT, Simm P, Bicknell-Royle J, Nation J, Draffin K, Stewart KG, Cameron F, Scheffer IE (Australia)
006	Randomised clinical trial comparing prednisolone and ACTH in reversal of hypsarrhythmia in untreated epileptic spasms Wanigasinghe J, Attanapola GM, Arambepola C, Liyanage CB, Kankanamge PKSJ, Sumanasena S, Sri Ranganathan S (Sri Lanka)

14:30-16:00 **PLATFORM SESSION** Hall 3 Drug therapy Chair: Sunita Dergalust, USA 007 A combination of the 5-HTT genotypes is linked with higher 5-HTT gene expression and with worse response to pharmacotherapy in TLE patients Hecimovic H, Sajko T, Popovic Z, Rotim K, Basic Kes V (Croatia) 800 Effects of treatment response and side effects on overall quality of life and distress Simons WR, Gilliam F (USA) 009 Therapeutic drug level monitoring with levetiracetam in the treatment of epilepsy Beran RG, Stepanova D (Australia) 010 Altered cortical thickness in language cortex following prenatal exposure to sodium valproate Wood AG^{1,2}, Chen J², Barton S², Nadebaum C², Anderson VA², Reutens DC², O'Brien TJ², Vajda F² (¹United Kingdom, ²Australia) 011 Health economics of pharmacogenetic screening for newly diagnosed epilepsy: analysis of real-world data Chen Z, Liew D, Kwan P (Australia) 012 School aged IQ in children prenatally exposed to antiepileptic drugs Baker G, Bromley RL, Rooney C, Calderbank R, Shallcross R, Irwin B, Morrow J. Liverpool & Manchester Neurodevelopment Group and the UK Epilepsy and Pregnancy Register (United Kingdom)

	14:30-16:00	PLATFORM SESSION Basic science Chair: Peter Carlen, Canada
	013	Neuro-inflammtion and mesial temporal lobe epilepsy in the developing brain: from toll-like receptor 4 to inflammation related microRNAs Omran A, Peng J, Gan N, Ashhab MU, Yin F, He F, Lifen Y, Kong H (China)
MONDAY 24TH JUNE	014	Does blockade of the proinflammatory IL-1b/IL-1 receptor type 1 signaling prevent or modify epileptogenesis in two different rat models of epilepsy? Frigerio F¹, Polascheck N², Noè F¹, Bankstahl M², Ravizza T¹, Reschke C¹, Beltrame L¹, Marchini S¹, Loescher W², Vezzani A¹⟨¹Italy, ²Germany⟩
MONDA	015	Long-term outcomes in multiple-hit rat model of symptomatic infantile spasms <u>Akman O</u> , Briggs SW, Galanopoulou AS (USA)
	016	RNAi-mediated knockdown of Nav1.1 disrupts a cognitive neural network <u>Bender AC</u> ¹ , Luikart BW ¹ , Holmes GL ¹ , Scott RC ¹ , Lenck-Santini P-P ¹ (¹ USA, ² United Kingdom)
	017	Absence of neuroinflammation in human and experimental temporal lobe epilepsy <u>Aalbers MW</u> , Rijkers K, Majoie M, de Baets M, Dings J, Schijns O, Hoogland G (Netherlands)
	018	Multi-unit activity in the human neocortex as a predictor of seizure onset <u>Rozman PA</u> ¹ , Eskandar E ¹ , Madsen JR ¹ , Thesen T ¹ , Carlson C ¹ , Devinsky O1, Kuzniecky R ¹ , Doyle WK ¹ , Ulbert I ² , Halgren E ¹ , Cash SS ¹ (¹USA, ²Hungary)

14:30-16:00	PLATFORM SESSION Neuroimaging Chair: Graeme Jackson, Australia
019	Concordance of EEG-fMRI BOLD responses and magnetic source imaging (MSI) of epileptic spikes in patients with focal epilepsy Heers M, Hedrich T, An D, Gotman J, Grova C, Kobayashi E (Canada)
020	A new data-driven method detects whole-brain functional connectivity differences in idiopathic generalised epilepsy <u>Maneshi M</u> , Vahdat S, Grova C, Gotman J (Canada)
021	Functional neuroimaging features differentiate mesio-neocortical temporal lobe epilepsy from neocortical temporal lobe epilepsy <u>Joo EY</u> 1,2 , Seo DW 2 , Hong SC 2 , Hong SB 2 (1 USA, 2 Korea, Republic of)
022	Presurgical diagnosis of the epileptogenic focus using near-infrared spectroscopy mapping Watanabe E, Yokota H, Oguro K, Edison E, Dan I (Japan)
023	High resolution temporal imaging and high density EEG improves EEG-fMRI in focal epilepsy Jäger V, Dümpelmann M, Le Van P, Georgia R, Schulze-Bonhage A, Jürgen H, Jacobs J (Germany)
024	Subregional mesiotemporal patterns of disease progression in temporal lobe epilepsy <u>Bernhardt BC</u> ^{1,2} , Kim H ¹ , Bernasconi A ¹ , Bernasconi N ¹ (¹ Canada, ² Germany)

14:30-16:00	PLATFORM SESSION Social issues Chair: Athanasios Covanis, Greece
025	Medical self-reporting to transportation authorities remains low after specialist counselling for first seizure patients <u>Siddiqi M</u> , Jirsch J (Canada)
026	Marital adjustment for epilepsy patients in China Chen J^1 , Zhang Y^1 , Hong Z^1 , Sander JW^2 , Zhou D^1 (1 China, 2 Netherlands, 3 United Kingdom)
027	Stigma in epilepsy - an international perspective <u>Jetté N</u> ¹ , Ali A ² , Austin JK ³ , Birbeck GL ³ , ⁴ , de Boer H ⁵ , Braga P ⁶ , Cross JH ⁷ , Dua T ⁸ , Fernandes PT ⁹ , Lorenzetti DL ¹ , Mifsud J ¹⁰ , Moshé S ³ , Parko K ³ , Tripathi M ¹¹ , Vautour M ¹ , Wiebe S ¹ , Jacoby A ⁷ (¹ Canada, ² Jamaica, ³ USA, ⁴ Zambia, ⁵ Netherlands, ⁶ Uruguay, ⁷ United Kingdom, ⁸ Switzerland, ⁹ Brazil, ¹⁰ Malta, ¹¹ India)
028	Long-term discontinuation rates in an extension study of the AMPA receptor antagonist perampanel as an adjunctive treatment for refractory partial seizures Zhu J, Yang H, Squillacote D, Laurenza A, Satlin A, Kramer LD (USA)
029	Parental experiences during the peri-diagnostic period in
	epilepsy: a cry for help <u>Ramachandran Nair R</u> , Jack SM (Canada)
030	The relationship between adverse event burden and quality of life in patients with epilepsy in a community <u>Al Faqih SS</u> (Syrian Arab Republic)

14:30-16:00 PLATFORM SESSION

032

Hall 7

Genetics

Chair: Wei-Ping Liao, China

031 Mutations in DEPDC5: a major cause of familial focal epilepsy

<u>Dibbens LM</u>¹, de Vries B², Donatello S³, Heron SE¹, Hodgson BL¹, Chintawar S³, Crompton DE¹, Hughes JN¹, Bellows ST¹, Klein KM⁴, Callenbach PM², Corbett MA¹, Gardner AE¹, Kivity S⁵, Iona X¹, Regan BM¹, Weller CM², Crimmins D1, O'Brien T¹, Guerrero- López R⁶, Mulley JC¹, Dubeau F⁷, Licchetta L⁸, Bisulli F⁸, Cossette P⁷, Thomas PQ¹, Gecz J¹, Serratosa J⁶, Brouwer OF², Andermann F⁷, Andermann E⁷, van den Maagdenberg AM², Pandolfo M³, Berkovic SF¹, Scheffer IE¹ (l'Australia, ²Netherlands, ³Belgium, ⁴Germany, ⁵Israel, ⁶Spain, ⁷Canada, ⁸Italy)

Identification of a new causal gene for autosomal dominant focal epilepsies

<u>Baulac S</u>¹, Ishida S¹, Picard F², Rudolf G¹, Thomas P¹, Genton P¹, Marescaux C¹, Baulac M¹, Hirsch E¹, Lequern E¹ (¹France, ²Switzerland)

Defective microtubule organisation due to novel EFHC1 mutations

linked to juvenile myoclonic epilepsy

<u>Praveen K Raju P</u>, Satishchandra P, Radhakrishnan K, Anand A (India)

034 Identification of a first and major gene for acquired epileptic aphasia (Landau-Kleffner syndrome) and related childhood focal epilepsies and encephalopathies with speech and language

dysfunction

Szepetowski P¹ Lesca G¹, Rudolf G¹, Bruneau N¹, Lozovaya N¹, Labalme A¹, Boutry-Kryza N¹, Salmi M¹, Tsintsadze T¹, Addis L², Motte J¹, Wright S², Tsintsadze V¹, Michel A¹, Doummar D¹, Lascelles K², Strug L³, Waters P², de Bellescize J¹, Vrielynck P⁴, de Saint Martin A¹, Ville D¹, Ryvlin P¹, Arzimanoglou A¹, Hirsch E¹, Vincent A², Pal D², Burnashev N¹, Sanlaville D¹ (¹France, ²United Kingdom, ³Canada, "Belgium)

035 Efficient genetic diagnostic testing of patients with epileptic disorders using panel-based Next Generation Sequencing

Russ AC¹, Steiner I¹, Döcker M¹, Riesch E¹, Jüngling J¹, Scheurenbrand T¹, Sprecher A¹, Hörtnagel K¹, Lemke JR², Biskup S¹ (¹Germany, ²Switzerland)

036 Targeted resequencing in epileptic encephalopathies reveals marked genetic heterogeneity and novel genes

Carvill GL¹, Heavin SB², Yendle SC², OʻRoak BJ¹, Cook J¹, Khan A¹, Dorschner MO¹, Weaver MA¹, Calvert S², Malone S², Wallace G², Stanley T³, Bye AM², Bleasel A², Howell KB², Kivity S⁴, Mackay MT², Rodriguez-Casero V², Webster R², Korczyn A⁴, Zelnick N⁴, Lerman-Sagie T⁴, Lev D⁴, Steensbjerre Møller R⁵, Andrade DM⁶, Freeman JL², Sadleir LG³, Shendure J¹, Berkovic SF², Scheffer IE², Mefford HC¹ (¹USA, ²Australia, ³New Zealand, ⁴Israel, ⁵Denmark, ⁴Canada)

16:30-17:30 AWARDS SYMPOSIUM

Hall 1

Chairs: Philip A. Schwartzkroin, USA & Peter Wolf, Denmark

Winner of the 2012 Morris-Coole *Epilepsia Prize*: *Mark R. Bower, USA*

'Spatiotemporal neuronal correlates of seizure generation in focal epilepsy'

Winner of the 2013 Michael Prize: Ding Ding, China

The Michael Lecture: 'Premature mortality risk in people with convulsive epilepsy: Long follow-up of a cohort in rural China'

16:30-17:30 CONTROVERSIES SESSION

Hall 2

Localisation: electrophysiology vs metabolism

Chair: Jean Gotman, Canada

Seizures: EEG and MEG are the best

Akio Ikeda, Japan

Seizures: SPECT and NIRS are the best

Dang K. Nguyen, Canada

Spikes: high resolution EEG is the best Marqitta Seeck, Switzerland

Snikas, EEG fMPL is the host

Spikes: EEG-fMRI is the best Friederike Moeller, Germany

16:30-17:30 CONTROVERSIES SESSION

Hall 3

When does treatment work and when does it fail?

Chair: Jean Marc Saint Hilaire, Canada

Clinically meaningful improvement for people with epilepsy requires being seizure free: Yes Sarah Wilson, Australia

Clinically meaningful improvement for people with epilepsy requires being seizure free: No Gus Baker, United Kingdom

The definition of drug resistance can be easily applied: Yes Patrick Kwan, Hong Kong

The definition of drug resistance can be easily applied: No Jose Tellez-Zenteno, Canada

16:30-17:30 CONTROVERSIES SESSION

Hall 4

Costs and consequences of AEDs

Chair: Giuliano Avanzini, Italy

New medications are superior Martin Brodie, United Kingdom

Old medications are superior *Veriano Alexandre Jr., Brazil*

Pharmacoresistant patients become seizure free with repeated AED trials

Michel Baulac, France

Pharmacoresistant patients do not become seizure free with repeated AED trials Sylvain Rheims, France

18:00-19:30

EISAI, INC. SATELLITE SYMPOSIUM

Hall 1

Can AMPA receptor antagonists fill an unmet need in the partial onset seizures treatment algorithm?

Chair: Frederick Andermann, Canada

Unmet needs for the treatment of people with partial or focal epilepsy
Frederick Andermann. Canada

The role of AMPA receptors in excitatory neurotransmission and epileptic activity

Michael Rogawski, USA

An overview of the perampanel clinical development programme Simon Shorvon, United Kingdom

Where do recently introduced agents fit in the real world treatment paradigm?

Bernard Steinhoff, Germany

TUESDAY 25TH JUNE

	Poster Area	HALL 1 (710)	HALL 2 (510)	HALL 3 (511 bcef)	
07.30-08.00			Video Session:	Elekta Satellite	
08.00-08.30			Epileptic seizures or not: does video provide the final	Symposium: What can epileptologists	
08.30-09.00			answer?	expect from MEG?	
09.00-09.30	0-4		W . O .		
09.30-10.00	Set up	Main Session: Challenges for epilepsy	Main Session: Stigma in epilepsy - who,		
10.00-10.30		surgery in the developed and developing world	why and what to do?		
10.30-11.00		and developing world			
11.00-11.30	30	Coffee Break 11:00 - 11:30			
11.30-12.00	14:	Parallel Session:	Parallel Session:	Parallel Session:	
12.00-12.30	Posters all day - Poster Tours 13:30 - 14:30	Treating the tough epilepsies	American Epilepsy Society Symposium: Neonatal seizures	Infections, autoimmunity and epilepsy	
12.30-13.00	Tour		seizures		
13.00-13.30	ster				
13.30-14.00	/ - Po	Lunch & Posters 13:00 - 14:30			
14.00-14.30	II day				
14.30-15.00	ers a		Platform Session:	Platform Session:	
15.00-15.30	Poste		Paediatric Epilepsy 2	Epilepsy Surgery	
15.30-16.00					
16.00-16.30		Coffee Break 16:00 - 16:30			
16.30-17.00 17.00-17.30			Controversies: Guidelines: the good, the bad and the ugly	Controversies: Epilepsy and cognition	
17.30-18.00	Take down				

HALL 4 (511 ad)	HALL 5 (513 abc)	HALL 6 (513 def)	HALL 7 (512 abef)	
VIREPA Teaching Session:	Case Oriented Teaching Session:	How To,,,?	What's new in diagnostics:	07.30-08.00
Epilepsy & sleep: diagnostic and clinical interactions	Paediatric cases	Optimizing therapy in new	What genetics test should be	08.00-08.30
diffical interactions		onset and chronic epilepsy	ordering today in my patients?	08.30-09.00
				09.00-09.30
				09.30-10.00
				10.00-10.30
				10.30-11.00
	Coffee Break 11	:00 - 11:30		11.00-11.30
Parallel Session:	Parallel Session:	Parallel Session:		11.30-12.00
High frequency oscillations and GABAA receptor signaling:	Obesity and epilepsy - more	The cost of epilepsy - the		12.00-12.30
new factors for seizure initiation	than just weight	obvious and the hidden		12.30-13.00
				13.00-13.30
	Lunch & Posters	s 13:00 - 14:30		13.30-14.00
				14.00-14.30
				14.30-15.00
Platform Session: Epilepsy in the Developing	Platform Session: Clinical Neurophysiology	Platform Session: Clinical Epilepsy	Platform Session: Neuropsychology	15.00-15.30
World	γ · · · · · · · · · · · · · · · ·			15.30-16.00
Coffee Break 16:00 - 16:30				
NeuroSigma, Inc. Satellite				16.30-17.00
Symposium: External Trigeminal Nerve Stimulation				17.00-17.30
(eTNS) for the Treatment of				17.30-18.00

TUESDAY 25TH JUNE

07:30-09:00 VIDEO SESSION: ADULTS

Hall 2

Epileptic seizures or not: does video provide the final answer?

Chair: Richard S. McLachlan, Canada

Speakers:

S. Nizam Ahmed, Canada François Dubeau, Canada Richard S. McLachlan, Canada

07:30-09:00 ELEKTA SATELLITE SYMPOSIUM

Hall 3

What can epileptologists expect from MEG?

Chair: Richard Burgess, USA

Identifying the epileptogenic zone with MEG: myths and realities $\it Richard\ Burgess,\ USA$

Evoked magnetic activity for mapping of eloquent cortical functions Michael Funke, USA

Assessment of language and resting state connectivity analysis $\it Susan\,Bowyer,\,USA$

07:30-09:00

VIREPA TEACHING SESSION

Hall 4

Epilepsy and sleep: diagnostic and clinical interactions

Chair: Al de Weerd, Netherlands

How timing and vigilance state help characterise seizure syndromes Mark Quigg, USA

Sleep apnea and epilepsy: who is at risk and why does it matter? *Nancy Foldvary, USA*

Epilepsy and sleep in the elderly: new aspects of an old problem Al de Weerd. Netherlands

07:30-09:00

CASE ORIENTED TEACHING SESSION: PAEDIATRIC CASES Hall 5

Chair: Carol Camfield, Canada

Extreme danger of momentary lapses with spike and wave Carol Camfield, Canada

Partial hemimegalencephaly or extensive dysplasia? Andras Fogarasi, Hungary

Early onset epilepsia partialis continua: an often overlooked etiology Federico Vigevano, Italy

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07:30-09:00 "HOW TO" SESSION

Hall 6

Optimising therapy in new onset and chronic epilepsy

Chair: Kristina Malmgren, Sweden

Optimising therapy in new onset and chronic epilepsy in adult patients

Martin Brodie, United Kingdom

Optimising therapy in new onset and chronic epilepsy in paediatric patients

Heung Dong Kim, Republic of Korea

07:30-09:00 WHAT'S NEW IN DIAGNOSTICS

Hall 7

What genetic tests should I be ordering today in my patients?

Chair: Patrick Cossette, Canada

Primer of genetic testing for clinicians Patrick Cossette. Canada

Genetic approach to epileptic encephalopathies Ingrid Scheffer, Australia

GLUT1 and epilepsy: spectrum of phenotypes and the role of ketogenic diet *Carla Marini, Italy*

09:00-11:00

MAIN SESSION

Hall 1

Challenges for epilepsy surgery in the developed and developing world

Chair: Gary Mathern, USA

Presurgical evaluation – when is enough enough? Prasanna Jayakar, USA

Reaching for acceptable standards in low income countries Sally Rothemeyer, South Africa

How to reintegrate a person after surgery *Patricia Osborne Shafer, USA*

How to reach out to people who do not get referred Mario A. Alonso Vanegas, Mexico

Panel discussion

09:00-11:00 MAIN SESSION

Stigma in epilepsy - who, why and what to do?

Chair: Nathalie Jetté, Canada

Assessing stigma, do we know it when we see it? Paula T. Fernandes, Brazil

Stigma, why some people and not others? *Ann Jacoby, United Kingdom*

Reducing stigma: what can be done? Gretchen Birbeck, USA

A future without stigma? Nathalie Jetté, Canada

Panel discussion

11:30-13:00 PARALLEL SESSION

Treating the tough epilepsies

Chair: Emilio Perucca, Italy

Rational polytherapy in highly refractory patients *Emilio Perucca, Italy*

Innovative targets: epigenetics Mark Mehler, USA

Is there an optimum ketogenic diet? Jong M. Rho, Canada

Cut or stimulate? François Dubeau, Canada

11:30-13:00 PARALLEL SESSION

Joint symposium with the American Epilepsy Society: Neonatal seizures

Chair: Amy Brooks-Kayal, USA

Neonatal seizure monitoring and clinical outcomes *Eli M. Mizrahi, USA*

Mechanisms of and therapeutic targets for seizures in neonates Frances Jensen, USA

Molecular and cellular consequences of neonatal seizures $\it John Swann, USA$

Current and upcoming therapies for neonatal seizures Amy Brooks-Kayal, USA

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Hall 2

Hall 1

Hall 2

11:30-13:00 PARALLEL SESSION

Hall 3

Infections, autoimmunity and epilepsy Chair: Lionel Carmant. Canada

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Epidemiology of epilepsy in the tropics Pierre-Marie Preux, France

Epilepsy in falciparum malaria Angelina Kakooza, Uganda

FIRES (Febrile Infection Related Epilepsy Syndrome) and other autoimmune encephalitides *Uri Kramer, Israel*

Viral encephalitis and epilepsy Karen Wilcox, USA

11:30-13:00 PARALLEL SESSION

Hall 4

High frequency oscillations and GABAA receptor signaling: new factors for seizure initiation

Chair: Massimo Avoli. Canada

High frequency oscillations in healthy and epileptic brain *Christophe Bernard, France*

GABAergic networks at the onset of seizures Marco de Curtis, Italy

High frequency oscillations as ictogenetic determinants Massimo Avoli, Canada

A route to seizure in human tissue: when Basal GABAergic excitation meets hyperexcitability Gilles Huberfeld, France

11:30-13:00 PARALLEL SESSION

Hall 5

Obesity and epilepsy - more than just weight

Chair: Mary Lou Smith, Canada

Brain mechanisms of obesity and their potential relation to epilepsy Dana M. Small, USA

Obesity in children with epilepsy *Tracy A. Glauser, USA*

AED influence on weight in people with epilepsy Sherifa Ahmed Hamed, Egypt

Exercise programmes: what are the challenges? Ricardo Mario Arida, Brazil

11:30-13:00

PARALLEL SESSION

Hall 6

The cost of epilepsy - the obvious and the hidden

Chair: Torbjörn Tomson, Sweden

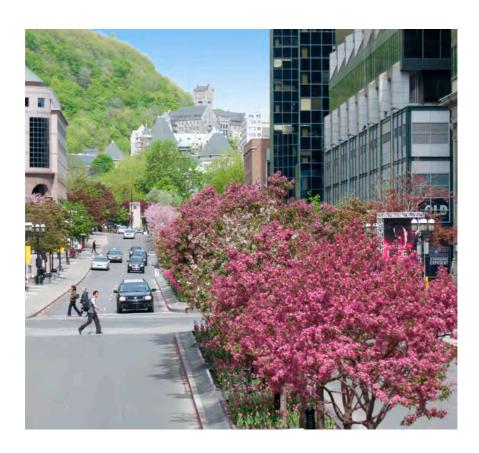
The cost of illness, what is important in epilepsy? *Mattias Ekman, Sweden*

Getting the numbers right: the importance of accurate prevalence estimates $% \left(1\right) =\left(1\right) \left(1\right)$

Christine Linehan, Ireland

Treatment and social costs Charles Begley, USA

Challenges for cost of epilepsy studies in research-poor countries $\it Charles\ Newton,\ Kenya$



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14:30-16:00	PLATFORM SESSION Hall 2 Paediatric Epilepsy 2 Chair: Elizabeth Donner, USA
037	Children with epilepsy and anxiety: subcortical and cortical differences Jones JE, Chambers KL, Jackson DC, Dabbs K, Hsu DA, Stafstrom CE, Seidenberg M, Hermann BP (USA)
038	The surgically-remediable, epileptic syndrome associated with bottom-of-the-sulcus dysplasia (BOSD) in children <u>Harvey AS</u> , Mandelstam S, Maixner WJ, Leventer RJ, Kean M, Semmelroch M, Jackson GD (Australia)
039	An ongoing open-label uncontrolled study of the efficacy and safety of ketamine in children with refractory convulsive status epilepticus Rosati A, L'Erario M, Ilvento L, Pisano T, Mirabile L, Guerrini R (Italy)
040	The adult social outcome of children with "epilepsy only" is often troubled and is amazingly similar across different types of epilepsy: a population-based study with 20-35 years follow up Camfield C, Camfield P (Canada)
041	Epilepsy surgery in paediatric intractable epilepsy with focal cortical dysplasia <u>Kwon HE</u> , Kang JW, Kang H-C, Lee JS, Kim DS, Kim HD (Korea Republic of)
042	Challenge in the treatment of status epilepticus in children; 16-years' single center experience Kravljanac R, Djuric M, Jankovic B, Pekmezovic T (Serbia)

14:30-16:00	PLATFORM SESSION Epilepsy surgery Chair: Antonio Gil-Nagel, Spain
043	Intraoperative MR imaging (iopMRI) and functional neuronavigation (FN) for surgery of lesional temporal lobe epilepsy (LTLE): long term surgical and seizure outcome Roessler K, Sommer B, Grummich P, Coras R, Kasper B, Hamer HM, Blümcke I, Buchfelder M (Germany)
044	Epileptogenicity maps of intracerebral HFO ranging from 60 to 100Hz (HFO60-100) at seizure onset: clinical relevance in epilepsy surgery candidates Kahane P, Job AS, David O, Minotti L, Chabardès S, Bartolomei F (France)
045	Bilateral hippocampal sclerosis: surgical outcomes with noninvasive presurgical evaluation Ravat S, Rao P, Shah U, Godge Y, Muzumdar D, Shah S (India)
046	The Toronto experience with regards to neurocognitive and seizure outcomes of selective amygdalohippocampectomy versus anterior temporal lobe resection for mesial temporal lobe epilepsy Mansouri A, Fallah A, Cohn M, Valiante TA (Canada)
047	Stereotactic laser ablation of hippocampus leads to better cognitive outcome than standard temporal lobe resection for the treatment of epilepsy <u>Drane DL</u> ¹ , Loring DW ¹ , Voets NL ² , Price M ¹ , Gross RE ¹ , Willie JT ¹ , Helmers SL ¹ , Ojemann JG ¹ , Phatak V ¹ , Miller JW ¹ , Meador KW ¹ ('USA, ² United Kingdom)
048	Clinically important improvement in quality of life in medically and surgically treated patients with epilepsy: results from a randomized controlled trial Fiest K', Dykeman J', Eliasziw M², Parrent A¹, Wiebe S¹ (¹Canada, ²USA)

14:30-16:00 PLATFORM SESSION Hall 4 Epilepsy in the developing world Chair: Patricia Braga, Uruguay 049 Epilepsy and HIV in the department of neurology of Fann Teaching Hospital Noutsa LK, Mbonda PCC, Ould Lemine S, Diop AG (Senegal) 050 Clinical features and consequences of active convulsive epilepsy in multiple sites in sub-Saharan Africa: a population-based study Kariuki SM¹, Matuja W², Akpalu A³, Kakooza-Mwesige A⁴, Chabi M¹, Wagner RG⁵, Cannor M⁵, Chengo E¹, Ngugi AK¹, Odhiambo R¹, Bottomley C⁶, White S⁶, Sander JW⁶, Neville BG⁶, Newton CRJ⁶ (¹Kenya, ²Tanzania, United Republic of, ³Ghana, ⁴Uganda, ⁵South Africa, 'United Kingdom') 051 Enhancing medical compliance of patients with convulsive epilepsy in rural western China: a randomised intervention trial Li J, Si Y, Liu L, Zhou D (China) 052 Drug compliance in patients at a designated tertiary epilepsycare facility Mahmud H. Mogal Z. Aziz H (Pakistan) 053 Neurocysticercosis prevalence in four South-Western provinces of the Dominican Republic Sanon NT¹, Rivera Mejia D², Santos Viloria D², Perez Then E^2 , Dario Pimentel R², Hugo Garcia H³, Carmant L¹ (¹Canada, ²Dominican Republic, 3Peru) 054 Cognitive function and academic achievement in children with idiopathic epilepsy from a developing country Melbourne-Chambers R, Chang-Lopez S, Morrison-Levy N, Tapper J, Tulloch-Reid M (Jamaica)

14:30-16:00	PLATFORM SESSION Hall 5 Clinical neurophysiology Chair: Hiroshi Otsubo, Canada
055	Effectiveness of Test-Enhanced Learning (TEL) as an instructional method for EEG courses <u>Tan N</u> , Chin HX, Loh NK, Chan DW, Rathakrishnan R, Lim SH (Singapore)
056	The relationship between the pathological types and scalp EEG features in patients with focal cortical dysplasia and intractable epilepsy <u>Chen S</u> (China)
057	Spike associated High Frequency Oscillations in Magnetoencephalography co-localize with Focal Cortical Dysplasia type IIB Heers M, Jacobs J, Hirschmann J, Duempelmann M, Aydin U, Wolters CH, Rampp S, Stefan H, Schnitzler A, Wellmer J (Germany)
058	Pathological substrates of intracranial EEG seizure-onset patterns Perucca P, Dubeau F, Gotman J (Canada)
059	Network oscillations modulate neuronal assemblies and interictal epileptiform spike frequency during human memory <u>Kucewicz M.</u> , Matsumoto J., Bower M., Stead M., Matsumoto A., Peters P., Brinkmann B., Danstrom J., Goerss S., Marsh R., Meyer F., Worrell G (USA)
060	A comparison of continuous video EEG monitoring and 30 minute EEG in an ICU setting Thadani V, Khan O, Azevedo C, Hartshorn A, Montanye J, Gonzalez J,

Arshad S, Natola M, Surgenor S, Morse R, Nordgren R, Bujarski K,

Holmes G, Jobst B, Scott R (USA)

14:30-16:00	PLATFORM SESSION Clinical epilepsy Chair: José E. Cavazos, USA
061	Analysis of risk factors for first time seizures after cerebrovascular accidents in Chinese patients Chen C, Wang G, Jia H, Lang S, Liu X, Xia C, Sun Y, Zhang J (China)
062	Seizure phenemenology inferred from clinical descriptors of caregivers and its concordance to only video and video-EEG recordings <u>Tripathi M</u> , Padma V, Chandra S, Mehta S, Bhavya G (India)
063	Utility of home-made videos in an epilepsy clinic Ojeda J, Ivanez V, López Gallardo S, Gutierrez-Gutierrez G, Miralles A (Spain)
064	Autonomic function in syncope and seizure <u>Yerdelen D</u> , Erol T (Turkey)
065	Better understanding of epilepsy-related mortality: the actions of the French Sentinel Network Picot M-C, Faucanié M, Andrès J, Larquier B, Jaussent A, Valton L, Hirsch E, Derambure P, Marchal C, Martin B, Ryvlin P, Tourniaire D, Trottier S, Allonneau-Roubertie E, Arzimanoglou A, Biraben A (France)
066	Tele-epilepsy: developing a multi-modal device for non EEG, extramural, nocturnal seizure monitoring

van Andel JM, Tele-Epilepsy Consortium (Netherlands)

14:30-16:00	PLATFORM SESSION Neuropsychology Chair: Marilyn Jones-Gotman, Canada
067	Social cognition disorders in temporal lobe epilepsy patients Hennion S, Delbeuck X, Lopes R, Tyvaert L, Derambure P, Szurhaj W (France)
068	The impact of intervention on working memory in children with intractable epilepsy: preliminary results from a repeated measure study <u>Kerr EN</u> , Alavie N, Blackwell M (Canada)
069	The nature and extent of cognitive disruption in mesial temporal lobe epilepsyrelative to unaffected siblings and healthy controls Maher H, Pender N, Delanty N, Doherty C, Burke T (Ireland)
070	Accelerated long-term forgetting in children with temporal lobe epilepsy <u>Gascoigne M¹</u> , Webster R¹, Barton B¹, Gill D¹, Smith ML², Lah S¹ (¹Australia, ²Canada)
071	Development of a home-based intervention to address cognitive dysfunction in epilepsy <u>Jobst BC</u> , Caller TA, Secore K, Ferguson RJ, Roth R, Kleen J, Scott R, Alexandre FP (USA)
072	Unilateral mesial temporal epilepsy impairs remote brain activation and social cognition <u>Toller G</u> , Broicher SD, Grunwald T, Huber D, Krämer G,

Kurthen M, Jokeit H (Switzerland)

16:30-17:30 CONTROVERSIES SESSION

Hall 2

Guidelines: the good, the bad and the ugly

Chair: Timothy A. Pedley, USA

Guidelines on epilepsy surgery of the American Academy of Neurology - inform decisions and improve outcomes: Pros Taisuke Otsuki, Japan

Guidelines on epilepsy surgery of the American Academy of Neurology - inform decisions and improve outcomes: Cons Helen Cross, United Kingdom

Choice of AEDs by the ILAE guidelines - inform decisions and improve outcomes: Pros *Carlos Guerreiro, Brazil*

Choice of AEDs by the ILAE guidelines - inform decisions and improve outcomes: Cons

Jo Wilmshurst, South Africa

16:30-17:30 CONTROVERSIES SESSION

Hall 3

Epilepsy and cognition

Chair: Ivan Rektor, Czech Republic

Spikes are bad for cognition Pierre-Pascal Lenck-Santini, USA

The effect of spikes on cognition is minimal Ivan Rektor, Czech Republic

Does epilepsy result in cognitive decline in adults? Christoph Helmstaedter, Germany

Does epilepsy result in cognitive decline in children? Bruce Hermann, USA

16:30 - 18:00

NEUROSIGMA, INC. SATELLITE SYMPOSIUM

Hall 4

External trigeminal nerve stimulation (eTNS) for the treatment of epilepsy and neuropsychiatric disorders

Chair: Christopher M. DeGiorgio, USA

The science of TNS: results from neuroanatomic, animal and PET studies
Christopher M. DeGiorgio, USA

eTNS for epilepsy: results from Phase I and II studies of eTNS for drug resistant epilepsy *Christopher M. DeGiorgio, USA*

eTNS for neuropsychiatric disorders: results from Phase I studies in depression, post-traumatic stress disorder and attention deficit-hyperactivity disorder *Ian A. Cook, USA*

WEDNESDAY 26TH JUNE

	Poster Area	HALL 1 (710)	HALL 2 (510)	HALL 3 (511 bcef)	HALL 4 (511 ad)	
07.30-08.00			AESPA Course:	Electrical Geodesics, Inc.	VIREPA Teaching Session:	
08.00-08.30			Dilemmas in the use of AEDs	Satellite Symposium: Advances in dense array EEG		
08.30-09.00			ALDS	evaluation of epilepsy	neuroimaging in epilepsy	
09.00-09.30	Catus	Mate Occasions				
09.30-10.00	Set up	Main Session: The new organisation of	Main Session: Focal cortical dysplasia –			
10.00-10.30		the epilepsies in daily practice	the latest			
10.30-11.00						
11.00-11.30	30	Cof	fee Break 11:00 - 11:30			
11.30-12.00	- 14:	Parallel Session:	Parallel Session:	Parallel Session:	Parallel Session:	
12.00-12.30	13:30	Post traumatic epilepsy new insights into an old -	SUDEP prevention - are we there yet?	Hot topics in epilepsy research	Epileptic encephalopathies and other genetic epilepsies of infancies –	
12.30-13.00	urs '	disorder	and of your		a new dawn of discovery	
13.00-13.30	Posters all day - Poster Tours 13:30 - 14:30					
13.30-14.00	Poste	Lunch & Posters 13:00 - 14:30				
14.00-14.30	ay -					
14.30-15.00	all d					
15.00-15.30	sters		Meet The Experts: Paediatrics	Meet The Experts: Adults		
15.30-16.00	Ъ					
16.00-16.30		Col	fee Break 16:00 - 16:30			
16.30-17.00						
17.00-17.30						
17.30-18.00	Take down					
18.00-18.30						

HALL 5 (513 abc)	HALL 6 (513 def)	HALL 7 (512 abef)	515 abc	
Case Oriented Teaching Session:	How To? Management of the really intractable patient	What's new in diagnostics: Practical management of seizures in the ICU		07.30-08.00
				08.00-08.30
Surgical cases				08.30-09.00
				09.00-09.30
				09.30-10.00
				10.00-10.30
				10.30-11.00
Coffee Break 11:00 - 11:30				11.00-11.30
Parallel Session:	Parallel Session: Stress and epilepsy	Parallel Session: Political advocacy: raising awareness and funding for epilepsy		11.30-12.00
Paediatric status				12.00-12.30
epilepticus				12.30-13.00
	IBE General Assembly	13.00-13.30		
Lunch & Posters 13:00 - 14:30			13.30-14.00	
			14.00-14.30	
			(IBE Member Association representatives only)	14.30-15.00
				15.00-15.30
				15.30-16.00
Coffee Break 16:00 - 16:30				16.00-16.30
				16.30-17.00
ILAF General A	ILAE General Assembly		17.00-17.30	
		(ILAE Chapter representatives only)		17.30-18.00
				18.00-18.30

WEDNESDAY 26[™] JUNE

07:30-09:00 ASIAN EPILEPSY ACADEMY (ASEPA) COURSE

Hall 2

Dilemmas in the use of AEDs

Chair: Shih-Hui Lim, Singapore

AEDs in women with JME contemplating pregnancy Shih-Hui Lim, Singapore

AEDs in patients with epilepsy associated with brain tumours $\it Karupath~Radhakrishnan, India$

AED withdrawal in symptomatic epilepsy after prolonged seizure remission *Chong-Tin Tan, Malaysia*

New onset epilepsy with cavernous angiomas: early surgery or AED treatment?

Byung-In Lee, Republic of Korea

07:30-09:00 ELECTRICAL GEODESICS, INC. SATELLITE SYMPOSIUM

Advances in dense array EEG evaluation of epilepsy

Chair: Mark Holmes, USA

Comparison of dense array EEG with simultaneous recorded intracranial EEG for interictal spike detection rate and its source localisation

Madoka Yamazaki. Japan

EEG/MEG source localization of epileptic discharges: is it possible to recover the spatial extent of the underlying generator? *Christophe Grova, Canada*

07:30-09:00 VIREPA TEACHING SESSION

Hall 4

Hall 3

I spy, I spy with my little eye: difficult neuroimaging in epilepsy Chair: Catherine Chiron, France

How to improve the detection of epileptogenic lesions on MRI Fernando Cendes, Brazil

FDG-PET: reading difficult images Catherine Chiron, France

Functional MRI: reading difficult images William Gaillard, USA

07:30-09:00 CASE ORIENTED TEACHING SESSION

Hall 5

Surgical cases

Chair: Çigdem Özkara, Turkey

Patient as a teacher may be deceptive Cigdem Özkara, Turkey

Focal or multifocal - that is the question? Helen Cross, United Kingdom

Generalised epilepsy with focal lesion Simon Harvey, Australia

07:30-09:00 "HOW TO" SESSION

Hall 6

Management of the really intractable patient

Chair: François Dubeau, Canada

Pharmacotherapy: less rather than more? Jacqueline French, USA

Managing the patient and the family Ley Sander, United Kingdom

07:30-09:00 WHAT'S NEW IN DIAGNOSTICS

Hall 7

Practical management of seizures in the Intensive Care Unit

Chair: Lawrence J. Hirsch, USA

Look and you shall find - detection and management of nonconvulsive seizures in the Intensive Care Unit Cecil Hahn, Canada

Big challenges in tiny patients - detection and management of seizures in neonates Maria Roberta Cilio, USA

Super tips for treating super refractory status epilepticus Bryan Young, Canada

09:00-11:00 MAIN SESSION

Hall 1

The new organisation of the epilepsies in daily practice Chair: Ingrid Scheffer, Australia

Polo of the new classification in deval

Role of the new classification in developing animal models $\ensuremath{\textit{Ed Dudek}}\xspace, \ensuremath{\textit{USA}}\xspace$

Listening to the community: modifications to the new organisation *Ingrid Scheffer, Australia*

How do you explain genetic epilepsy to a patient? Sameer Zuberi, United Kingdom

Immune epilepsies – an emerging new etiology *Christian Bien, Germany*

Panel discussion

09:00-11:00 MAIN SESSION

Hall 2

Focal cortical dysplasia – the latest

Chair: Eva Andermann, Canada

Impact of the new classification on patient care Ingmar Blümcke, Germany

Genetics of malformations of cortical development Christopher Walsh, USA

Can image analysis show the invisible? Andrea Bernasconi, Canada

Epileptogenicity and surgical treatment Heung Dong Kim, Republic of Korea

Panel discussion

11:30-13:00

PARALLEL SESSION

Hall 1

Post-traumatic epilepsy - new insights into an old disorder Chair: W. Allen Hauser, USA

Risk factors for post-traumatic seizures and epilepsy *W. Allen Hauser, USA*

Epileptogenesis: cells, molecules and the blood brain barrier Alon Friedman, Israel

Preventing epilepsy after TBI Asla Pitkänen, Finland

Prognosis and treatment: just another focal epilepsy? Alla Guekht. Russian Federation

11:30-13:00 PARALLEL SESSION

Hall 2

SUDEP prevention - are we there yet?

Chairs: Elizabeth Donner, Canada & Susan Axelrod, USA

SUDEP: identifying those most at risk

Elson So, USA

Discussing SUDEP: does disclosure reduce the risk? Ley Sander, United Kingdom

Epilepsy treatment for SUDEP prevention Torbjörn Tomson, Sweden

Do devices have a role in SUDEP prevention? Philippe Ryvlin, France

11:30-13:00 PARALLEL SESSION

Hall 3

Hot topics in epilepsy research Chair: Gary Mathern, USA

A novel role for Human Papilloma Virus in cortical dysplasia Peter Crino, USA

Stereotactic laser ablation in paediatric epilepsy: surgical inpovation in the age of the bloosphere

innovation in the age of the blogosphere Daniel J. Curry, USA

The nodding syndrome: a new epidemic epilepsy Angelina Kakooza, Uganda

Functional connectivity - what it can and can't tell us about the epileptic brain *R. Todd Constable. USA*

11:30-13:00

PARALLEL SESSION

Hall 4

Epileptic encephalopathies and other genetic epilepsies of infancies – a new dawn of discovery

Chair: Sam Berkovic, Australia

Dravet Syndrome and beyond: phenotypes, genetics and treatment implications

Charlotte Dravet, France

Girls only epilepsy – phenotypes and mechanism of an important new disorder Carla Marini, Italy

Novel genes for epileptic encephalopathies Heather Mefford, USA

Molecular basis of benign familial infantile epilepsy and related syndromes
Shinichi Hirose, Japan

11:30-13:00 PARAL

PARALLEL SESSION
Paediatric status epilepticus

Chair: Federico Vigevano, Italy

Age-dependent consequences of status epilepticus *Lionel Carmant, Canada*

Febrile status epilepticus Shlomo Shinnar, USA

Neonatal status epilepticus KP Vinayan, India

Treatment of status epilepticus in infants and children Rima Nabbout, France

11:30-13:00 PARALLEL SESSION

Stress and epilepsy

Chair: Sheryl Haut, USA

Is stress-induced epilepsy a reflex epilepsy? Bettina Schmitz, Germany

Can stress change brain function? *Terence O'Brien, Australia*

Post-traumatic stress disorder and epilepsy Michael Privitera. USA

Treating the stress to control the seizures Sheryl Haut, USA

11:30-13:00 PARALLEL SESSION

Hall 7

Hall 5

Hall 6

Political advocacy: raising awareness and funding for epilepsy

Chair: Mary Secco, Canada

Giving epilepsy a good name Byung-In Lee, Republic of Korea

Shaking up the European Community *Ann Little, Ireland*

Changing public health policy in North America Sandy Finucane, USA

The Americas: a continental strategy for epilepsy Carlos Acevedo, Chile

Hall 7

14:30-16:00 **MEET THE EXPERTS** Hall 2 Interactive case presentations: Paediatrics Chair: Carter Snead, Canada Expert: Renzo Guerrini, Italy Case Presenter: Rio Carla Pineda, Canada Expert: Peter Camfield, Canada Case Presenter: Aspasia Michoulas, Canada Expert: Perrine Plouin, France Case Presenter: Inge Meijer, Canada Expert: Eli Mizrahi, USA Case Presenter: Kevin Jones, Canada 14:30-16:00 **MEET THE EXPERTS** Hall 3 Interactive case presentations: Adults Chair: Jerome Engel Jnr., USA Expert: Frederick Andermann, Canada Case Presenter: Trevor Steve, Canada Expert: Christian Elger, Germany Case Presenter: Dongmei An, Canada Expert: Warren Blume, Canada Case Presenter: Colin Josephson, Canada Expert: Shih-Hui Lim, Singapore Case Presenter: Michelle-Lee Jones, Canada 13:00-17:00 **IBE GENERAL ASSEMBLY Room 515** IBE Member Association representatives only

ILAE GENERAL ASSEMBLY

ILAE Chapter representatives only

17:00-18:30

THURSDAY 27TH JUNE

	HALL 2 (510)	HALL 3 (511 bcef)	HALL 4 (511 ad)
07.30-08.00			VIREPA Teaching Session:
08.00-08.30	Video Session: Paediatrics		Why epileptologists should
08.30-09.00			know their psychiatry
09.00-09.30			
09.30-10.00	Main Session:	Main Session: Withdrawing AEDs - the	
10.00-10.30	The epileptic focus: a zone or a network?	brain, the patient a familynd the	
10.30-11.00			
11.00-11.30	Coffee Break 11:00 - 11:30		
11.30-12.00			
12.00-12.30	Epi-Quiz 'Mission Impossible'		
12.30-13.00			

HALL 5 (513 abc)	HALL 6 (513 def)	HALL 7 (512 abef)	
Case Oriented	How To? EEG and imaging in the		07.30-08.00
Teaching Session: When there is more than epilepsy	diagnosis and management	What's new in diagnostics: The new EEG era	08.00-08.30
	of epilepsy: what, when and why?		08.30-09.00
			09.00-09.30
			09.30-10.00
			10.00-10.30
			10.30-11.00
Coffee Break 11:00 - 11:30			11.00-11.30
			11.30-12.00
			12.00-12.30
			12.30-13.00

THURSDAY 27TH JUNE

07:30-09:00 VIDEO SESSION: PAEDIATRICS

Hall 2

Secrets from the silent - video EEG in the critical care unit in children

Chair: Sharon Whiting, Canada

Speakers:

Cecil Hahn, Canada Mary Connolly, Canada Sharon Whiting, Canada

07:30-09:00 VIREPEA TEACHING SESSION

Hall 4

Why epileptologists should know their psychiatry Chairs: Andres M. Kanner, USA & Marco Mula, Italy

Do psychiatric disorders predict treatment resistant epilepsy? Andres M. Kanner, USA

How to identify psychiatric disorders in epilepsy Marco Mula, Italy

How to treat psychiatric disorders in epilepsy *Mike Kerr, United Kingdom*

07:30-09:00 CASE ORIENTED TEACHING SESSION

Hall 5

When there is more than epilepsy Chair: Alla Guekht, Russian Federation

Challenges that elderly face Alla Guekht, Russian Federation

Epilepsy and comorbidities in elderly patients *Natela Okujava, Georgia*

Contraception, pregnancy and breast-feeding: one case, many lessons *Torbjörn Tomson, Sweden*

07:30-09:00 "HOW TO" SESSION

Hall 6

EEG and imaging in the diagnosis and management of epilepsy: what, when and why?

Chair: William H. Theodore, USA

EEG for diagnosis and management in epilepsies: a practical guide for clinician

Hermann Stefan, Germany

Neuroimaging in the diagnosis and management of epilepsies: a practical guide for clinicians
Fernando Cendes. Brazil

07:30-09:00 WHAT'S NEW IN DIAGNOSTICS

Hall 7

The new EEG era

Chair: Paolo Federico, Canada

Recording and interpretation of High Frequency Oscillations Julia Jacobs, Germany

Combining EEG and functional MRI-options Paolo Federico, Canada

Recording and interpreting DC shift and ultra-slow activity *Akio Ikeda, Japan*

Recording EEG and single cell activity from microelectrodes in humans

Catherine Schevon, USA

09:00-11:00 MAIN SESSION

Hall 2

The epileptic focus: a zone or a network?

Chair: Philippe Kahane, France

The interictal focus: spikes and HFOs Jean Gotman, Canada

The ictal focus: measuring spread with EEG Fabrice Bartolomei, France

The ictal focus: neurovascular coupling and seizures initiation Theodore Schwartz, USA

The lesion, the seizure onset zone and epileptogenicity Hans Luders, USA

Panel discussion

09:00-11:00 MAIN SESSION

Hall 3

Withdrawing AEDs - the brain, the patient and the family

Chairs: Kimford J. Meador, USA & Meir Bialer, Israel

The spectrum of neurobiological consequences *Ed Bertram, USA*

Debate: withdrawing AEDs (pros) Kimford J. Meador, USA

Debate: withdrawing AEDs (cons) Dieter Schmidt, Germany

What do patients and families need to know? Kurupath Radhakrishnan, India

Panel discussion

11:30-13:00

EPI-QUIZ

Hall 2

'Mission Impossible'

Producer: Alexis Arzimanoglou, France Sages: Mike Glynn, Ireland & Solomon L. Moshé, USA

Actors:

Frederick Andermann, Canada Ed Bertram, USA Peter Camfield, Canada Fernando Cendes, Brazil Helen Cross, United Kingdom Sandy Finucane, USA Alla Guekht, Russian Federation Sherifa Ahmed Hamed, Egypt Lawrence J. Hirsch, USA Hassan Hosny, Egypt Johann Hotlhausen, Germany Akio Ikeda, Japan Angelina Kakooza, Uganda Byung-In Lee, Republic of Korea Phil Lee, United Kingdom Leonor Cabral-Lim, Philippines Man Mohan Mehndiratta, India Astrid Nehlig, France Leonor Cabral-Lim, Philippines Ingrid Scheffer, Australia Manjari Tripathi, India Anthony Zimba, Zambia

POSTERS

The Poster Area is located on level 5 of the congress venue, adjacent to the Exhibition Area. Posters will be set up on Monday 24^{th} June – Wednesday 26^{th} June between 09:00 and 10:00 and will be on display between 10:00 and 17:00. Poster dismantling will take place between 17:00 and 18:00 from Monday 24^{th} June – Wednesday 26^{th} June.

GOLD STAR POSTERS

A number of posters have been selected by the International Organising Committee to receive a 'Gold Star' Poster award. The awards were based on the merit and special interest of the poster content.

Gold Star posters are also signalled with a star symbol throughout the Final Programme (page 78-171).



POSTER TOURS

The International Organising Committee has chosen to organise guided poster tours (led by experts in their field) of selected posters in each category, giving a chance to these researchers to present their work during the congress. Therefore, the selected presenters must be available at their poster on the assigned day (13:30-14:30 on Monday 24th June, Tuesday 25th June and Wednesday 26th June). Each presenter shall be given 3 - 5 minutes to illustrate their poster and answer questions.

The full poster abstracts are viewable online under "posters" in the interactive session planner which can be found on the congress website www.epilepsymontreal2013.org.

Please note: In some circumstances poster leaders may change.

The timetable below illustrates which topics are on each day:

MONDAY 24[™] JUNE

13:30-14:30 Poster Area (Level 5)

Tour Guide	Poster Session
Wei-Ping Liao	Basic sciences A
Annamaria Vezzani	Basic sciences A
Angeline Kakooza	Developing world
Manuel Campos	Developing world
Meir Bialer	Drug therapy A
Sheryl Haut	Drug therapy A
Hermann Stefan	Drug therapy A
Alla Guekht	Epilepsy in the elderly
Elizabeth Donner	Epilepsy surgery A
François Dubeau	Epilepsy surgery A
Çigdem Özkara	Epilepsy surgery A
Carol Camfield	Paediatric epileptology A
Lionel Carmant	Paediatric epileptology A
Peter Wolf	Psychiatry
Hanneke de Boer	Social issues/nursing
Sharon Whiting	Status epilepticus
Athanasios Covanis	Women's issues
Torbjörn Tomson	Adult epileptology A
Renzo Guerrini	Adult epileptology A

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TUESDAY 25TH JUNE

13:30-14:30 Poster Area (Level 5)

Tour Guides	Poster Session
Lawrence Hirsch	Adult epileptology B
Çigdem Özkara	Adult epileptology B
Giuliano Avanzini	Basic sciences B
Michele Simonato	Basic sciences B
Antonio Gil-Nagel	Clinical neurophysiology A
Richard S. McLachlan	Clinical neurophysiology A
Peter Carlen	Drug therapy B
Sunita Dergalust	Drug therapy B
Carter Snead	Epilepsy surgery B
William H. Theodore	Epilepsy surgery B
Patrick Van Bogaert	Neuroimaging A
Athanasios Covanis	Paediatric epileptology B
Kimford J. Meador	Neuropsychology A
Daniel Lowenstein	Genetics A
Tracy A. Glauser	Genetics A

WEDNESDAY 26TH JUNE

13:30-14:30 Poster Area (Level 5)

Tour Guides	Poster Session
Timothy A. Pedley	Adult epileptology C
Kimford J. Meador	Adult epileptology C
Amy Brooks-Kayal	Basic sciences C
Terence O'Brien	Basic sciences C
Philippe Kahane	Clinical neurophysiology B
Jean Marc Saint Hilaire	Clinical neurophysiology B
Walter van Emde Boas	Clinical neurophysiology B
Jorge Burneo	Epidemiology
W. Allen Hauser	Epidemiology
Patricia Braga	Epilepsy surgery C
Angelina Kakooza	Epilepsy Surgery C
Eva Andermann	Genetics B
Sam Berkovic	Genetics B
Paolo Federico	Neuroimaging B
Ingmar Bluemcke	Neuropathology
Eduardo Barragán	Paediatric epileptology C
Shlomo Shinnar	Paediatric epileptology C
Mary Lou Smith	Neuropsychology B

Poster session: Adult epileptology A

- p073 Should we substitute ILAE classification of epilepsy for Cleveland classification?

 <u>Lopez-Jimenez M</u> (Cuba)
- p074 Episodic epigastric sensations as solitary manifestations of temporal lobeepilepsy Sun L, Lin W (China)
- p075 Seizure relapses in the course of partial epilepsy with convulsive generalized seizures in adults

 Karlov V, Rokotyanskaya E
 (Russian Federation)
- p076 Visual hypersensitivity attacks: an Italian case Benna P, Montalenti E, Caprioli MG (Italy)
- p077 The therapeutic route of the epileptic patient consulted in the Epileptology Unit of Abidjan, Cote d'Ivoire

<u>Doumbia-Ouattara M,</u> Kouamé-Assouan A-E, Aka-Anghui Diarra E,Sonan-Douayoua T (Cote D`Ivoire)

p078 Correlation between hippocampal volume and sleep quality in mesial temporal sclerosis

Debona R, Souza CS, Nunes JC, Pizzatto R, Walz R, Lin K, <u>Guilhoto LMdFF</u> (Brazil)

- p079 The EpiNet database: results of a survey of EpiNet investigators <u>Bergin PS</u>, EpiNet Study Group (New Zealand)
- p080 Late onset juvenile myoclonic epilepsy: report of 13 cases Ouhabi H, Satté A, Mounach J, Zerhouni A (Morocco)

p081 Clinical features and electropysiologic studies of two families with FCMTE (Familial cortical myoclonic tremor with epilepsy) Zhang M, Zhang B, Chen Y, Wang F

(China)

- p082 Clinical utility of ictal eyes closure in the differential diagnosis between epileptic seizures and psychogenic events

 <u>Brigo F, Storti M, Bongiovanni LG, Nardone R (Italy)</u>
- p083 Importance of cardiological evaluation for first seizures Choong KH, Hanna I, Beran R |Australia|
- p084 Case report: preictal and postictal psychosis in a patient with partial complex seizures with secondary generalization and a fusiform aneurysm of the internal carotid artery

<u>Arsovska A</u>, Arsovski Z, Popovski A Macedonia, (the Former Yugoslav Republic of)

- p085 Diagnostic evaluation in patients with intractable epilepsy and normal MRI study: a decision analysis and cost-effectiveness study

 Widjaja E¹, Li B¹, Medina LS²
- 086 Prevalence of restless legs
 syndrome among the epilepsy
 patient who took carbamazepine
 or valproic acid monotherapy
 Kocaturk M, Kutlu G, Kocaturk O,
 Erdal A. Inan LE (Turkey)

(1Canada, 2USA)

p087 Operculoinsular audiogenic painful seizures

<u>Pétrin M</u>, Boucher O, Robert M, Champoux F, Lepore F, Bouthillier A, Nguyen DK (Canada)

p088 Usability testing of the CASES tool (www.epilepsycases.com): an online tool to assist physicians in identifying patients who are candidates for an epilepsy surgery evaluation

<u>Sauro K</u>¹, Holroyd-Leduc J¹, Armson H¹, Cooke L¹, Cross H², de Grood J¹, Mathern G³, Stromer J¹, Quan H¹, Wiebe S¹, Jette N¹ (¹Canada, ²United Kingdom, ³USA)

p089 Feasibility of auditory evoked magnetic fields in estimation of epileptogenic side in mesial temporal lobe epilepsy

<u>Chatani H</u>, Hagiwara K, Ogata K, Uehara T, Shigeto H, Murakami N, Morioka T, Kira J-I, Tobimatsu S (Japan)

p090 The frequency and reasons of seizure-related injuries in a large, outpatient clinic-based cohort of epileptic patients
Okumu D, <u>Bebek N</u>, Matur Z,
Baykan B, Gürses C, Gökyi it A
(Turkev)

p091 Frequency of early and late-onset seizure after stroke Demir T, <u>Aslan K</u>, Bozdemir H, Balal M (Turkey)

p092 Epilepsy in people with intellectual disabilities of different aetiologies: a survey of carer-reported seizure precipitants

|| Illingworth JL, Watson P, Ring HA (United Kingdom)|

p093 Differential diagnosis of seizures of a patient with lcohol abuse: about an event at the clinic neurological of Fann

<u>Kone Z</u>, Diop AG, Ndiaye MM

[Senegal]

p094 Duration and structure of accompanied and unaccompanied outpatient consultations in a specialist seizure clinic

Robson C, Drew P, Reuber M
(United Kingdom)

p095 Which clinical factors predict QOL in Japanese patients with localization-related epilepsy?

Yoshino A, Tatsuzawa Y, Mogi T, Suda T, Tsunoda T (Japan)

p096 Early post acute stroke seizures: clinical profile and outcome in a Nigerian stroke unit Imarhiaghe FA, Ordia WC (Nigeria)

p097 Complications of provocation of seizures by reduction of medication and sleep deprivation during long-term EEG monitoring van Regteren R, van Hemert-van der Poel JC, de Weerd AW (Netherlands)

p098 Obesity as a common comorbidity in patients with epilepsy and cognitive impairment

<u>Ladino LD</u>, Téllez-Zenteno JF, Hernández-Ronquillo L (Canada)

p099 Significance of inpatient intensive seizure monitoring for evaluation of atypical phenomena in chronic epilepsy patients with moderate cognitive impairment

Kirmani B (USA)

p100 **Emergency admission patterns** of patients presenting with paroxysmal events

Gigineishvili D (Georgia)

p101 Febrile seizure and epilepsy with hippocampal sclerosis

Hu X, Fei L, Li H, Diao F, Zhang P, Chen Q. Wu X. Zhou J. Zhu D. Shen D (China)

p102 Outcomes in a single seizure clinic. A prospective Canadian study

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> Represa A, Carabalona A, Pallesi-Pocachard E, Buhler E, Arnaud K, Bernabe-Gélot A, Watrin F, Cardoso C (France)

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> Denisenko KV, <u>Kashchenko OA</u>, Shandra OA (Ukraine)

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> <u>Carneiro JEM</u>^{1,2}, Faure J-B², Fernandes MJdS¹, Cassel J-C², Nehlig A² (¹Brazil, ²France)

- Seeking seizures: analysis p122 of depth electrode-recorded EEG in experimental post-traumatic epilepsy Reid AY, Almajano J, Cai Y, Bragin A, Giza CC, Staba RJ (USA)
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> Vexiau G, Maskali F, Poussier S, Marie P-Y, Nehlig A, <u>Raffo E</u> (France)

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> Zybina AM, Koroleva VI, Vinogradova LV, Titov SA, Davidov VI, Abbasova KR, Laboratory of General Physiology and Regulatory Peptides (Russian Federation)

p139 Consequences of early postnatal drug treatment on the expression of spike-and-wave discharges in adult Genetic Absence Epilepsy Rats from Strasbourg (GAERS)

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> <u>Manent J-B</u>, Petit LF, Jalabert M, Buhler E, Malvache A, Watrin F, Represa A (France)

p142 Interactions with ionotropic Glutamate receptor may explain anticonvulsant properties of Valeriana officinalis ethanolic extract in Danio rerio (zebrafish)

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p144 Anatomical correlates of low-voltage fast-onset (LVF) versus hypersynchronous-onset (HYP) seizures in the pilocarpine model of temporal lobe epilepsy

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p146 P75 neurotrophin receptor modulation and JAK/STAT inhibition: role in the progression of epilepsy in the pilocarpine rat model

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- Possession by Jinn as a cause p152 of epilepsy (Saraa): a study from Saudi Arabia

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- p153 Assessment of the availability of anti-epilepsy drugs in Harare city council clinics in relation to epilepsy management name of institution: Epilepsy Support Foundation, Harare, Zimbabwe Chinyanya CM (Zimbabwe)
- p154 Progressive multifocal leukoenecephalopathy presenting with seizures: a report of two cases in Uyo, southern Nigeria Ekeh BC, Uduma FU, Dike FO, Braimah J-TM, Usoroh NP, Bassey ASB, Okowi IC (Nigeria)
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- p157 Malnutrition in young adults with epilepsy and neurodisabilities Das KB, Mensah A, Havey T, Cliffe C (United Kingdom)
- p158 Evidence-based recommendations for the assessment fo Epilepsy surgery in a developing country Kochen S, Oddo S, Pereyra de Silva N, Latini F, Infandides M, Seifer G. Consalvo D. Seoane E (Argentina)
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- p160 Felt stigma among mothers of children with epilepsy Elafros M1, Sakubita-Simasiku C2, Mbewe E², Haworth A², Chomba E², Atadzhanov M², Birbeck GL^{1,2} [1USA, 2Zambia]
- p161 Determinants of treatment gap in children and adolescents with epilepsy in a rural Nigerian community Eseigbe EE, Sheikh TL, Aderinoye A, Eseigbe P, Nuhu FT, Adebayo O, Gazali YK (Nigeria)
- p162 Impact of epilepsy on the biopsychosocial status of adolescents in a rural Nigerian community: a case-control study Eseigbe EE, Sheikh TL, Aderinove A. Eseiabe P. Nuhu FT, Adebayo O, Gazali YK (Nigeria)

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<u>Oragbade AW</u>, Danesi MA, Ojini FI, Okubadejo NU, Ojo OO (Nigeria)

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> Moura LMVR¹, Almeida KT², Bezerra MP², Kilbride RD¹ [1USA. ²Brazil]

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> Moura LMVR¹, Almeida KT², Kilbride RD¹, Cole AJ¹, Hoch DB¹ (¹USA, ²Brazil)

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> Almeida KT¹, Moura LMVR², Bezerra MP¹, Kilbride RD² (¹Brazil, ²USA)

- p171 Living with epilepsy in
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- p172 Difficult-to-tackle extra-temporal epilepsy surgeries: is it worth pursuing in a recently established comprehensive epilepsy care program?

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- p173 Epilepsy disease, disabilities in poor resource countries: stigma and dilemmas Mbuqua RN (Kenya)
- p174 Stigma in epilepsy: development and validation of a culturally relevant instrument in India Krishnamoorthy ES, Anand A, Shankar S (India)

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- p175 Long term outcome of phenobarbital treatment for epilepsy in rural China: a prospective cohort study Wang W¹, Kwan P¹, Wu J¹, Li S¹, Boer HMD², Sander JW³ (¹China, ²Netherlands, ³United Kingdom)
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- p178 Pharmacokinetics,
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- p179 USL255, extended-release topiramate, demonstrates dose-proportional pharmacokinetics and tolerability over a wide dosing range in healthy subjects

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- p181 Oral loading of oxcarbazepine suspension in epilepsy patients <u>Kim DW</u>, Lee SK (Korea, Republic of)
- p182 Drug-resistant epilepsy

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 Guilavogui F¹, Cisse A¹

 (¹Guinea, ²Senegal)
- p183 The incidence and risk factors of Oxcarbazepine (OXC)-induced symptomatic hyponatremia

 Kim Y-S, Shin JW, Moon J, Byun J-I,
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- p184 Tolerance of antiepileptic drugs (AED) in children
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- p185 Evaluation of antiepileptic treatment failure foundation Central League Against Epilepsy (LICCE) in the city of Bogota, DC

 Rodriguez Clavijo BD, Lopez J, Acosta A, Moncayo S, Orozco J (Colombia)
- p186 Intravenous sodium valproate for status epilepticus

 Wu Y, Liu X, Ma M, Chen ZB, Su L
 (China)

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p188 The difference of side effects according to age during ACTH therapy

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French J¹, Franz D¹, de Vries P², Nabbout R³, Vaury A³, Berkowitz N¹, Lam D¹, Lawson J⁴, Curatolo P⁵ (¹USA, ²South Africa, ³France, ⁴Australia, ⁵Italy)

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> <u>Yamazoe T</u>, Fujimoto A, Enoki H, Yokota T, Yamamoto T (Japan)

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> <u>Nakazawa M</u>, Okumura A, Niijima S, Yamashita S, Shimono K, Hirose S, Yonetani M, Shimizu T (Japan)

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<u>Kabir A</u>, Krumholz A, Sanchez A, Aquino K (USA)

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> <u>Javed A</u>, Hirsch LJ, Ezean CC, Buchsbaum R, Detyniecki K, Cohen B, Philander S, Meyers AC, Dempsey K, Choi H (USA)

- p201 Antiepileptic drugs withdrawal after successful epilepsy surgery: utility of postoperative EEG

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- p205 Discontinuation rates across three phase III trials of the AMPA eceptor antagonist perampanel as an adjunctive treatment for refractory partial seizures

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- p212 The effect of co-medications on lamotrigine clearance in Japanese children with epilepsy Takeuchi T, Ishihara N, Yamamoto H, Azuma Y, Negoro T, Watanabe K. Natsume J (Japan)
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<u>Tsuchiya K</u>, Kobayashi A, Tsuchida K, Tachibana T, Tegushi H, Kogure S (Japan)

p217 Effect of GABAB antagonist Saclofen on the afterdischarge induced by acute kindling of the rabbit hippocampus

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p218 Long term retention of lacosamide in a large cohort of people with medically refractory epilepsy: a single centre evaluation

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p219 A post-hoc exploratory analysis of the effect of eslicarbazepine acetate as adjunctive therapy in adult patients with partial-onset seizures and comorbid clinically relevant depressive symptoms

<u>Carreño M</u>¹, Ben-Menachem E², O'Brien TJ³, Pimentel J⁴, Nunes T⁴, Sousa R⁴, Soares-da-Silva P⁴ ['Spain, ²Sweden, ³Australia, ⁴Portugal]

p220 A comparison of annual healthcare costs and utilisation between adult patients with long and short acting antiepileptic monotherapy

Cramer J, <u>Wang ZJ</u>, Chang E, Copher R, Cherepanov D, Broder M (USA)

p221 Two-year clinical experience with eslicarbazepine acetate in a tertiary hospital in Oporto, Portugal

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p222 Comparative effectiveness of perampanel in the treatment of refractory partial onset seizures results from Bayesian network meta-analysis

> Khan N¹, <u>Tongbram V</u>¹, Shah D¹, Fortier KA¹, Hawkins N² (¹USA, ²United Kingdom)

p223 ACSM 2A and CPT IA gene polymorphisms associated with valproic acid-induced hepatotoxicity in Chinese patients with epilepsy

Zhou L-M, Chen Z-J, Wang X-D, Wang H-S, Fang Z-Y, Li J-L, Chen Z-Y, Zhou J-Q, Shu W-Y, Zhang J, Zhong G-P, Zhang Y, Jin J, Huang M (China)

p224 Children (10-12 years age) of mothers with epilepsy have lower language performance

<u>Chandra Mohan A,</u> Geetha Kumari AMM, Unnikrishnan SK, Thomas SV (India)

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<u>Porschen T</u>, Stefan H, Knieß T, Schmitt FC, Hamer H (Germany)

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> Serafini A, <u>Valente M</u>, Gregoraci G, Novello S, Janes F, Gigli GL (Italy)

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<u>Mitsueda-Ono T</u>, Nakaoku Y, Hagiwara M, Manabe T, Hase Y, Matsui M (Japan)

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- p232 Surgical treatment strategy for drug-resistant epilepsies: chronotopology of neurophysiologic indicators of early and late epileptogenesis Bersnev V, Stepanova T, Kasumov V, Kravtsova S, Kasumov R, Sebelev K (Russian Federation)
- p233 Resection of frontal lobe epileptogenic foci identified after corpus callosotomy: long term results

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- p234 The surgical treatment of hemispheric lesional epilepsy Yao Y, Wang FP, Zhang X (China)
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- p236 Stereotactic treatment for bilateral temporal lobe epilepsy <u>Zhao Q</u>, Luo H, Tian Z (China)
- p237 Does the localization of the epileptogenic zone determine clinical course and clinical factors of intractable epilepsies: a retrospective investigation of surgically treated patients?

 Rohracher A, Unterberger I,
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p238 Epilepsy surgery in a 4-year old with idiopathic infantile spasm: a case report

<u>Macasaet JADC</u>, Fojas M (Philippines)

p239 Finally seizure-free after epilepsy surgery: running down phenomenon or positive influence of post-operative anti-epileptic drug (AED) treatment changes Staack AM, Wendling A-S, Wisniewski I, Scholly J, Kurth C, Saar J, Fauser S, Altenmüller D-M, Freiman TM, Schulze-Bonhage A, Zentner J, Reinshagen G, Steinhoff BJ (Germany)

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> <u>lida K</u>, Katayama J, Kagawa K, Katagiri M, Hashizume A, Kiura Y, Hanaya R, Arita K, Kurisu K (Japan)

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<u>Cukiert A</u>, Burattini J, Cukiert C (Brazil)

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p403 Reproductive health problems in woman's epilepsy

<u>Odintsova GV</u>, Koroleva NY, Guzeva VI, Saykova LA (Russian Federation)

p404 Posterior reversible encephalopathy syndrome (PRES): a case report

Yılmaz H, Mavioglu H, Kisabay A,
Oktan B (Turkey)

p405 Audit of women with an intellectual disability (ID) in Cornwall who are taking antiepileptic medication (AEDs) with concurrent use of oral contraceptive pills (OCPs)

Shankar R, Bradley M, Jory C, Olotu V, Tripp M, Cox D (United Kingdom)

p406 Hyperprolactinemia among women with epilepsy Zhidkova IA, Kaznacheeva TV (Russian Federation)

p407 Bidirectional interactions between progestins and valproate, lamotrigine and carbamazepine monotherapy in women with epilepsy

<u>Luef G</u>, Deichmann S, Pittschieler S, Rauchenzauner M, Seger C, Wildt L (Austria)

p408 Peer to peer support: normalising pregnancy for the mum-to-be with epilepsy

Crosby-McKenna NM

p409 Medication adherence in WWE via use of iPod application tracking device

(United Kingdom)

Ernst L, Llewellyn NG, French J, Pennell PB, Bartfeld E, Lau C, Lee JK, Bagiella E, Kashambwa R, Harden CL (USA)

p410 Pregnant women with epilepsy: 43 patients results in one year period Midi I, Cetinkaya DO, Ozden HO,

Midi I, Cetinkaya D0, Ozden H0, Agan K (Turkey)

p411 Periconceptional folic acid supplementation in pregnancies with antiepileptic drugs use Lindhout D, Wegner I (Netherlands)

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Poster session: Adult epileptology B

p412 Prevalence of drug resistant epilepsy in patients with symptomatic, idiopathic and cryptogenic epilepsy in a Canadian referral center

> Tellez-Zenteno J. Hernandez-Ronquillo L, Buckley S, Sahagun R (Canada)

A preliminary diagnosis of p413 epilepsy by logical disjunction following the complete listing of related epilepsies via genus and differentia using Google search engine on the Internet to make ad hoc database of working knowledge at a patient's bedside

Andreev V (Russian Federation)

Long-term prognosis of juvenile p414 myoclonic epilesy

> Pietrafusa N, La Neve A, Francavilla T. Pontrelli G. Durante V, Lisi T, Internò S, Boero G (Italy)

p415 Clinico-imaging and EEG characteristics of intractable epilepsy following closed head

Ali AS^1 , Sinha S^1 , Syed AM^1 ,

Siddiqui KA² (¹Saudi Arabia. ²United Arab Emirates1

p416 Comparison of biomakers for differentiating seizure Kim W-J, Cho Y-J, Heo K, Lee BI (Korea, Republic of)

p417 Investigation of auto-antibodies in patients diagnosed with focal epilepsy

> Ekizoglu E1, Tuzun E1, Woodhall M2, Lang B^2 , Icoz S^1 , Waters P^2 , Vincent A2, Baykan B1 (1Turkey, 2United Kingdom)

p418 Epilepsy in dementia with Lewy bodies (DLB): correlation of clinical. EEG and neuropathological findings Ogunyemi AO, Barron J, Colbert M (Canada)

p419 The causes of epilepsy in adults Hudayarov S, Mansurova N [Uzhekistan]

p420 Epilepsy associated with primary central nervous system (CNS) immunoglobulin deposition disease Ogunyemi AO, Barron J, Ang LC,

p421 **Emotional Semiology and its** localizing and lateralizing value in focal epilepsy Gutierrez C, LoPinto-Khoury C, Sperling M (USA)

Maroun F, Grewal K (Canada)

Consequences of misdiagnosing p422 obstructive sleep apnoea as epilepsy Beran RG (Australia)

p423 Young adults and epilepsy Andreev M. Pshennikova G (Russian Federation)

p424 Human herpes virus 6B and mesial temporal lobe epilepsy with hippocampal sclerosis (MTLE-HS): is there a link?

Leal B, Castelo Branco R, Rangel R, Chaves J, Carvalho C, Bettencourt A. Honavar M. Melo Pires M, Santos A, Magalhaes T, Lopes J, Ramalheira J. Martins da Silva A. Costa PP. Martins da Silva B (Portugal)

p425 Ictal unilateral eyelid blinking case report and review of the literature

Kalss G, Leitinger M,
Dobesberger J, Granbichler C,
Höfler J, Huber D, Kuchukhidze G,
Moroder T, Rohracher A, Staffen W,
Trinka E (Austria)

p426 Protective effects of vagus nerve stimulation on cardiac electrical instability assessed by T-wave alternans in patients with drug-resistant epilepsy

<u>Schomer A</u>, Nearing B,
Schachter S, Shafer P,

Sundstrom D. Verrier R (USA)

p427 Changes in sleep architecture after secondarily generalized seizures the day before

<u>Gutter T, de Weerd AW</u>
[Netherlands]

p428 Re-appraisal of causation of epilepsy in a developing African country: analysis of 342 Nigerian Africans

Ogunrin OA (Nigeria)

p429 Sex differences in anticonvulsant therapy and side effects in patients with epilepsy - a cross-sectional study

Gaus V. Kien H. Kowski A.

<u>Gaus V</u>, Kiep H, Kowski A, Holtkamp M (Germany)

p430 Neuroimmunological characteristics of epilepsy Rakhimbaeva GS, <u>Azizova Rano RB</u> (Uzbekistan)

p431 Diagnostic utility of video EEG monitoring at a tertiary epilepsy center in Denmark

<u>Moghiseh M</u>, Andersen Becser N (Denmark) p432 Natural evolution and morbimortality of 75 patients with temporal lobe epilepsy with hippocampal sclerosis at Clementino Fraga Filho University Hospital, Rio de Janeiro D'Andrea-Meira I, Pereira VCSR, Baltar AC, Viana SVB, Oliveira R, Rêgo CCDS, de Moura PM, de Souza JPBM, Alves-Leon SV (Brazil)

p433 Symptomatic epilepsy as a result of stroke

<u>Ristic ST</u>, Ristic DT, Marinkovic I (Serbia)

p434 Screening of auto-antibodies against calcium channels in patients with absence epilepsy Tekturk P, Baykan B, Ekizoglu E, Ulusoy C, Aydin-Ozemir Z, Icoz S, Kınay D, Tuzun E (Turkey)

p435 A proposal for classification of psychogenic non epileptic seizures

<u>Magaudda A</u>, Laganà A, Di Rosa G, Cornaggia CM, Beghi M, Beghi E (Italy)

p436 Inter-temporal seizure propagation <u>Abualela H, Jones M-L, Blume WT</u> (Canada)

p437 Epilepsy with grand mal on awakening: seizure outcome 40 years after onset

Holtkamp M, Merkle H, Janz D, Kowski A (Germany)

p438 Clinical characteristics and prognosis of autoimmune disease-related epilepsy

Jones M-L, AlQassmi A,

<u>Jones M-L</u>, AlQassmi A, Mirsattari S, Burneo J, McLachlan R (Canada)

p439 Relevance of seizure with mortality and neurologic prognosis of out of hospital cardiopulmonary arrest (OHCA) patients who were treated with therapeutic hypothermia after return of spontaneous circulation

<u>Park HM</u>, Lee HS, Kim JJ (Korea, Republic of)

p440 Structural analysis of epilepsy in adults in the hospital of Tashkent Medical Academy

> <u>Madjidova YN</u>, Mansurova NA, Hudayarov SR (Uzbekistan)

p441 The complex issue of vascular epilepsy: toward a definition based on anatomo-electro-clinical correlations

<u>Gasparini S</u>, Ferlazzo E, Beghi E, Bellavia MA, Cianci V, Latella MA, Arcudi L, Aquglia U (Italy)

- p442 Ecstatic seizures: a state of bliss related to a sense of subjective certainty?
 - Picard F (Switzerland)
- p443 Anti-AMPAR and anti-GAD positive limbic encephalitis and intermittent plasmapheresis therapy a case report

 Sulentic V, Bujan Kovac A, Hajnsek S, Petelin Gadze Z, Nankovic S, Kovacevic I (Croatia)

p444 The influence of anticonvulsant drugs on the maintenance of circadian chronofactor in patients with focal symptomatic and cryptogenic epilepsy

<u>Avakyan GN</u>, Oleynikova OM,

Kareva EN, Bogomazova MA,

Lagutin YV, Avakyan GG

p445 Which hand moves our patients with Temporal Lobe Epilepsy?

(Russian Federation)

López-Ferreiro A,
Rodríguez-Osorio X,
García-Sobrino T,
Santamaría-Cadavid M,
Pardo-Parrado M,
Fernández-Pajarín G, Corredera E,
Peleteiro M, López-González FJ
(Spain)

p446 Automatic movements in frontal versus temporal lobe focal epilepsy - on what extent do these two types of seizures diverge concerning their pattern of complex motor behavior?

Mlîia DM, Mîndru I (Romania)

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Poster session: Basic sciences B

- p447 The epilepsy-related protein Skywalker/TBC1D24 controls synaptic vesicle rejuvenation and restricts neurotransmitter release Maes I, Uytterhoeven V, Vilain S, Kuenen S, Verstreken P (Belgium)
- p448 Sodium selenate reduces neurodegeneration and behavioural impairments in the post-kainic acid status epilepticus rat model of temporal lobe epilepsy

Zheng P, Shultz S, Wright D, Leigh J, Hovens C, Nigel J, O'Brien TJ, Melbourne Brain Centre (Australia)

- p449 Effects of recombinant adenoassociated virus mediated neuropeptide Y gene transfection on the expression of N-methyl-Daspartate receptors in the hippocampus of epileptic rats Li W. Dong C. Zhao W (China)
- p450 Hypoxia-induced seizures affect interneuronal network maturation in the mouse hippocampus and neocortex

Chattopadhyahya B, <u>Sanon NT</u>, Dominique D-B, Lavertu MJ, Berryer M, Desgent S, Salam T, Carmant L, DiCristo G (Canada)

p451 The protective effects of AN DBS against spontaneous recurrent seizures

Amorim B0¹, Hamani C², Almeida AC¹, Cavarsan C¹, Nobrega JN², Miranda M¹, Aarão M¹, Madureira AP¹, Mello LE¹, Rodrigues A¹, Covolan L¹ (¹Brazil, ²Canada)

- p452 Hippocampal GABA transporter distribution in patients with temporal lobe epilepsy and hippocampal sclerosis

 Schijns O¹, Karaca U¹, Andrade P¹, Lemmens E², Dings J¹, Celis M¹, van Kroonenburgh M¹, Pannek H³, Ebner A³, Rijkers K¹, Visser-Vandewalle V³, Hoogland G¹ (¹Netherlands, ²Belgium, ³Germany)
- p453 Interactions of retigabine with phenytoin, lacosamide, oxcarbazepine, and topiramate in the mouse maximal electroshock-induced seizure model a type I isobolographic analysis

 Luszczki JJ, Chlebicka M, Miziak B, Zagaja M, Czuczwar SJ (Poland)
- p454 Serum brain-derived neurotrophic factor levels in epilepsy
 Hong Z, Li W, Zhou D (China)
- p455 Validation of an allylglycine model of pharmacoresistant epilepsy in zebrafish

 Afrikanova T, Buenafe OEM,
 Smolders I, de Witte PAM,
 Crawford AD, Esguerra CV
 (Belgium)
- p456
 The expression of GABAB R1a
 mRNA in experimental epilepsy
 induced by Kainic Acid
 Wang Z, Lin W, Bai J, Jiang H,
 Chen H (China)
- p457 Ionotropic GABAergic neurotransmission in the brain: a systems biology approach to idiopathic genetic epilepsy Jaworski M. Wasslen Y [Canada]

p458 Spike-and-wave discharge mediated reduction in hippocampal HCN1 channel function associates with learning deficits in a genetic mouse model of epilepsy

Phillips AM, Kim TH, Vargas E, Petrou S, <u>Reid CA</u> (Australia)

p459 The effects of eslicarbazepine on persistent Na+ current and the role of the Na+ channel subunits <u>Döser A</u>¹, Soares-da-Silva P², Beck H¹, Uebachs M¹ (¹Germany, ²Portugal)

p460 Influence of low-frequency repetitive transcranial magnetic stimulation on the expressions of KCa1.1, NaV1.6, NMDAR1, GAD65 proteins in hippocampus CA3 of SD rats

Yu J, Wang L (China)

p461 Experimental model of chronic epileptogenesis

<u>Vastyanov RS</u>, Shandra AA (Ukraine)

p462 Repeated strobe exposure facilitates dorsal hippocampal kindling in rats

Wang T, Xia Y, Guo D, <u>Luo C</u>, Yao D (China)

p463 Networking topology during pilocarpine induced epileptic seizure

Xia Y, Jin W, <u>Luo C</u>, Dong K, Wang T, Guo D, Yao D (China)

p464 Absence epilepsy regulated by basal ganglia: a modeling study
Chen M, Luo C, Xia Y, Guo D, Yao D
(China)

p465 Temporal profile of miRNA expression in hippocampal subregions during epileptogenesis in post-status epilepticus model for temporal lobe epilepsy indicates potential new antiepileptogenic targets

Gorter JA¹, lyer A¹, White J²,
Colzi A³, van Vliet E1, Sisodiya S²,
Aronica E¹ (¹Netherlands,
²United Kinadom.³Belgium)

- p466 Role of substantia nigra reticulata in kindling resistance in GAERS Onat F. Akman O (Turkey)
- p467 Garoderma lucidum
 polysaccharides improve epileptic
 behavior, increase Cav-1
 expression and inhibit NF-B
 expression in hippocampus of
 epileptic rats

Zhou S^{1,2}, Qin W-B², Wang S-Q², Ma X-R², Liu L², Liu J-X², Wang F-F², Liang Y-F², Wu J-M² (¹United Kingdom, ²China)

p468 Ganoderma lucidum
polysaccharides inhibit calcium
overload and increase the
expression of CaMKII in a model of
epileptiform discharge of
hippocampal neurons
Wang S-Q¹, Wang H¹, Di W-H¹,
Ma X-R¹, Liu L¹, Liu J-X¹,

Ma X-R¹, Liu L¹, Liu J-X¹, Wang F-F¹, Liang Y-F1, Wei Y-Z¹, Wu J-M¹, Zhou S^{1,2} (¹China, ²United Kingdom)

p469 Effect of betaine on serum homocysteine, -aminobutyric acid and its receptors in brain of an epileptic rat model

Wang H¹, Wang S-X¹, Cui G-L¹, Lu C-F¹, Liu L¹, Liu J-X¹, Ma X-R¹, Wang F-F¹, Liang Y-F¹, Wu J-M¹, Zhou S¹.², <u>Wang S-Q</u>¹ (¹China,²United Kingdom)

- p470 Inhibition of recombinant adenoassociated virus mediated neuropeptide Y gene transfection to hippocampal synaptic reconstruction in epileptic rat Zhao W, Zhang F, Dong C (China)
- p471 The antiepileptogenic and neuroprotective effects of lamotrigine and ethosuximide in temporal lobe epilepsy

 <u>Sun MZ</u>¹, Wang Q¹, Chen YJ¹,

 Luijtelaar ELJM²

 ('China. ²Netherlands)
- p472 Automated planar patch clamp reveals differential modulation of NaV1.1 and NaV1.2 sodium channels by the 1 auxiliary subunit

 Oliva M, Gazina E, Thomas E, Petrou S (Australia)
- p473 Neurosteroids modulate interictal activity and high frequency oscillations in the CA3 subfield Herrington R, Shiri Z, Lévesque M, Avoli M (Canada)
- p474 Atorvastatin ameliorates cognitive impairment subsequent to pentylenetetrazol-induced seizures in rats

 <u>Goyal A</u>, Mehla J, Gupta YK (India)
- p475 An Examination of cognitive deficits following experimental febrile status epilepticus in rat pups: neurobiology and iomarkers <u>Barry JM</u>¹, Robbins AA¹, Scott RC^{1,2}, Lenck Santini PP¹, Choy M¹, Dube C¹, Baram TZ¹, Holmes GL¹ ('USA, ²United Kingdom)

- p476 Protection against convulsive seizure after hippocampal transplantation of mesenchymal cells from adipose tissue in mice Tamura BP (Brazil)
- p477 Preventive treatment with
 Levetiracetam against the
 pathological changes in
 hippocampus of temporal lobe
 epilepsy model mice
 Higo T, Sugano H, Nakajima M,
 limura Y, Arai H, Mochizuki H
 (Japan)
- p478 ADLTE-causing LGI1 mutations impair extracellular binding of Lgi1 protein to ADAM receptors Nobile C, Dazzo E, Leonardi E, Tosatto S, Belluzzi E, Greggio E, Santulli L, Striano P, de Falco F, Striano S (Italy)
- p479 High doses of mTOR inhibitor treatment cannot suppress epileptogenesis in a mouse model of mesio-temporal lobe epilepsy

 Nitta N¹, Nozaki K¹, Suzuki F¹,
 Depaulis A² (¹Japan, ²France)
- p480 Slow and fast inactivation of hNav1.3 voltage-gated sodium channels by eslicarbazepine, oxcarbazepine and carbamazepine Hebeisen S¹, Soares-da-Silva P² ['Switzerland, 'Portugal]
- p481 Slow and fast inactivation of hNav1.3 voltage-gated sodium channels by eslicarbazepine, R-licarbazepine and lacosamide Soares-da-Silva P1, Hebeisen S2 (1Portugal, 2Switzerland)

p482 Effects of eslicarbazepine acetate on acute and chronic latrunculin A-induced seizures and extracellular amino acid levels in the mouse hippocampus Sierra-Paredes G¹, Loureiro Al², Wright LC², Sierra-Marcuño G¹, Soares-da-Silva P² (¹Spain, ²Portugal)

p483 Effects of eslicarbazepine and carbamazepine on ion transmission through Cav2.1 (P/Q-type) and Cav3.2 (T-type) calcium channels Bonifácio MJ¹, Hebeisen S², Soares-da-Silva P¹

(1Portugal, 2Switzerland)

p484 Neurosteroid modulation of synchronous activity in the piriform cortex of pilocarpinetreated epileptic and non-epileptic control rats

Shiri Z, Herrington R, Avoli M (Canada)

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Poster session: Clinical neurophysiology A

p485 EEG as a prognostic tool for absence seizure

Tawfik K (Egypt)

p486 The determination of VEP in patients with non-occipital lobe epilepsy

Yang J, Chen J (China)

p487 Spike frequency affects the occurrence of scalp-recorded high

frequency oscillations, but not their role as epileptogenicity marker

Melani F^{1,2}, Zelmann R¹, Dubeau F¹, Gotman J¹ (¹Canada, ²Italy)

p488 Electroencephalographic features of benign adult familial myoclonic epilepsy

> <u>Toyota T</u>, Akamatsu N, Tanaka A, Tsuji S, Uozumi T (Japan)

p489 Multicenter study of an automatic seizure detection system

<u>Fürbaß F'</u>, Colon AJ², Kluge T¹, Ossenblok P², Pataraia E¹, Perko H¹, Baumgartner C¹ (¹Austria. ²Netherlands)

p490 Capturing the epileptic trait: a cortical excitability study of patients and their unaffected siblings

> <u>Badawy RAB</u>, Vogrin SJ, Lai A, Cook MJ (Australia)

p491 The clinical study on the atypical presentation of benign childhood epilepsy with centrotemporal spikes

Li J, Wang J (China)

p492 Quantitative analysis of surface electromyography signals during epileptic and non-epileptic seizures Beniczky S (Denmark) p493 Source localisation of rhythmic ictal activity: a study of diagnostic accuracy following STARD criteria Beniczky S (Denmark)

p494 Epilepsy: electroencephalogram and brain maturation

<u>Bahbiti Y</u>, Moutaouakil F, Ouichou A, El Hessni A, Benazzouz B, Mesfioui A (Morocco)

p495 Slow spindles cortical generators overlap with the epileptogenic zone in temporal epileptic patients: an electrical source imaging study

<u>Del Felice A</u>, Arcaro C, Storti SF, Fiaschi A, Manganotti P (Italy)

p496 EEG seizure monitoring and nursing Yan'en LV (China)

p497 Bilateral cortical representation of orgasmic ecstasy localized by depth electrodes

<u>Surbeck W</u>¹, Bouthillier A², Nguyen DK² (¹Switzerland, ²Canada)

p498 Building a patient-specific seizure detector without expert input using user-triggered active learning strategies

<u>Buteneers P. Stroobandt D.</u>

<u>Buteneers P</u>, Stroobandt D, Schrauwen B (Belgium)

p499 Multimodal neuroimaging assessment in nonlesional temporal lobe epilepsy

> Morales Chacon LM, Trapaga Quincoses O, Bobes MA, Fuste Iglesias J, Estupiñan Diaz B, Rodriguez Rojas R, Garcia Maeso I, Sanchez Coroneaux A, Zaldivar Bermudez M (Cuba)

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p500 Effects of vagal nerve stimulation on heart rate of patients with refractory epilepsy

Gien-Lopez JA, Senties H, Estanol-Vidal B, Alonso-Vanegas M, Hernandez-Camacho M (Mexico)

p501 EEG phase relationship among electrodes for child absence epilepsy

Zhang M-Y, Jiang N, Zhang B-S, Wang F-L, Chen Y (China)

p502 A case of novel ictal phenomena: ictal events characterized by rhythmic infraslow delta originating from a frontal lobe that propagate to bilateral hemisphere

Hasegawa H, Klebs R (USA)

p503 Ictal changes in heart rate and heart rate variability in mesial temporal lobe epilepsy

Kato K, Jin K, Itabashi H, Iwasaki M, Aoki M, Nakasato N (Japan)

p504 Cortical and sub-cortical excitability during spindles and K-complexes, putative attractors of epileptic activity

Ioannides AA, <u>Liu L</u> (Cyprus)

p505 Characterization of postictal generalized EEG suppression in children

<u>Okanari K</u>, Otsubo H, Kouzmitcheva E, Ochi A, Okanishi T, Sakuma S, Donner EJ (Canada)

p506 Clinical and genetic aspects of 18 Japanese patients with hyperekplexia: how to distinguish from epilepsy

Mine J, Taketani T, Kishi K, Yamaquchi S (Japan)

p507 Phase-difference-zero gamma oscillations fluctuate preceding poly SWCs in a case with JME Kohsaka S, Kohsaka M, Shiraishi H

(Japan)

p508 Clinical significance of high-

frequency oscillations recorded by scalp electroencephalogram on children idiopathic partial pilepsy <u>Cao D</u>, Chen Y, Liao J, Zhao X, Hu Y, Chen L, Wen F, Zhang J, Hu Z, Zhu Y, Xu Y (China)

p509 Postictal generalized electroencephalography suppression is common in temporal lobe epilepsy patients with secondary generalization Jin K, Itabashi H, Kato K, Iwasaki M, Nakasato N (Japan)

p510 Transcranial magnetic stimulation and epilepsy

<u>Bayarmaa D</u>, Erdenetsetseg S (Mongolia)

p511 Accurate localisation of focal epileptic activity: validation of high density electric source imaging using intracranial recordings

Megevand P^{1,2}, Spinelli L¹, Genetti M¹, Brodbeck V^{1,3}, Schaller K¹, Michel CM¹, Vulliemoz S¹, Seeck M¹ ('Switzerland, ²USA, ³Germany)

p512 Time frequency analysis of ictal MEG signals using waveletbased maximum entropy of the mean (wMEM)

<u>Cisneros-Franco JM</u>, Lina J-M, Grova C, Kobayashi E (Canada)

p513 The changes in cyclic alternating pattern (CAP) of epilepsy patients Baklan B (Turkey)

p514 The effects of sleep deprivation on functional EEG network characteristics in children with partial epilepsy

van Diessen E, Braun KPJ, Stam CJ, Jansen FE (Netherlands)

p515 Automatic detection of epileptic crisis in EEG

<u>Aleman M</u>, Sánchez Castillo M, Valdez L (Cuba)

p516 Effect of electroencephalographic seizure patterns on heart rate variability in parietal lobe epilepsy Kinoshita M, Demura Y, Nakano H, Matsumoto R, Ikeda A (Japan)

p517 Analysis of frequency and interhemispheric time difference of MEG spikes after anterior corpus callosotomy in patients with intractable epilepsy and drop attack

> <u>Kagawa K</u>, lida K, Hashizume A, Katagiri M, Kiura Y, Hanaya R, Sugiyama K, Arita K, Kurisu K (Japan)

p518 Preictal temporal pattern of high-frequency activities and preictal discharges

Park S-C, Lee SK, Chung CK [Korea. Republic of]

p519 Induced visual cortical oscillations show altered beta and gamma power changes in photosensitive epilepsy

> <u>Hamandi K</u>, Perry G, Brindley L, Muthukumaraswamy S, Singh KD (United Kingdom)

p520 Somatosensory cortical excitability in juvenile myoclonic epilepsy

<u>Vidal-Dourado M</u>, Giuliano LP, Nunes KF, Guaranha MSB, Yacubian EMT, Manzano GM (Brazil)

p521 Is there a different EZ organisation in bilateral and unilateral MTLE ? A quantified study from SEEG signals

Aubert S, Chauvel P, Valton L, Szurhaj W, Derambure P, Rheims S, Ryvlin P, Wendling F, Carron R, Regis J, Bartolomei F (France)

p522 Epilepsy and sleep disordered breathing

<u>Yilmaz H</u>, Kisabay A, Oktan B (Turkey)

p523 Diagnostic value of video EEG PSG in epilepsy diagnosis Batum M, Kisabay A, Oktan B,

p524 A preliminary study on recognizing psychogenic nonepileptic seizures based on

Yilmaz H (Turkey)

scalp resting EEG

Xiong X, Xue Q, Xu P, Wang Z, Tian C, <u>Luo C</u>, Wang Y, Yao D (China)

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Poster session: Drug therapy B

p525 Clinical effectiveness of zonisamide in a sample of adults with epilepsy

<u>Al-Bachari S</u>, Chhetri S, Wimalaratne R, Murphy C (United Kingdom)

p526 Levetiracetam as add-on drug in intractable epilepsy: a Tunisian multicenter study

<u>Mrabet H</u>, Mrabet A, Manai R, Kefi M (Tunisia)

- p527 Effects of ezogabine/retigabine on the pharmacokinetics of digoxin in healthy subjects: results from a drug-drug interaction study

 <u>Crean C</u>¹, Tompson D², Buraglio M²

 [1USA, 2United Kingdom]
- p528 Pharmacokinetic drug interaction study between eslicarbazepine acetate 1200 mg and phenytoin 300 mg: a phase I, open-label, multiple dose administration study in healthy volunteers Falcão A, Rocha JF, Pinto R, Nunes T, Soares-da-Silva P (Portugal)
- p529 Effect of hemodialysis on the pharmacokinetics of ezogabine/ retigabine and its N-acetyl metabolite: results of an openlabel, single-dose, fixed-sequence phase I study

 <u>Crean C</u>¹, Tompson D², Buraglio M²,

<u>Crean C</u> 1 , Tompson D 2 , Buraglio M 2 , Rayner K 1 (1 USA, 2 United Kingdom)

p530 Impact of concomitant sodium channel blocker antiepileptic drugs (AEDs) on the efficacy of adjunctive perampanel for partialonset seizures: an analysis of pooled phase III data

<u>Kwan P</u>¹, Brodie M², Squillacote D³, Yang H³, Zhu J³, Laurenza A³ (¹China, ²United Kingdom, ³USA)

- p531 Adjunctive once-daily perampanel reduces seizure frequency and improves responder rates in patients with uncontrolled partial-onset seizures, irrespective of age at epilepsy diagnosis: a pooled analysis of three phase III trials Squillacote D, Yang H, Kumar D, Laurenza A (USA)
- p532 Canadian experience with extended use of over 3 years of perampanel in partial onset seizures in patients aged 12 and above
 Pillay N, Hwang P, McLachlan R

(Canada)

- p533 Assessment of pharmacokinetic linearity and relative ioavailability of a nasal diazepam formulation compared with diazepam rectal gel in healthy adult subjects Henney III HR, Rabinowicz AL, Bream G, Grinspan A, Carrazana EJ (USA)
- p534 The availability and affordability of second generation antiepileptic drugs in Chilean adult's epileptic controlled in a public tertiary Hospital in Santiago, Chile. Results of a Chilean prospective register Galdames DG, Aguilera L, González P (Chile)
- p535 Profile of patients responding to lacosamide treatment in drugresistant epilepsy

<u>Chmielewska I</u>, Donaire Pedraza A, Aparicio Calvo J, Frontera Juan G, Carreño Martínez M (Spain)

p536 Initial antiepileptic drug response for six months in patients with newly diagnosed epilepsy: significance of age of onset Park KM, Hur Y (Korea, Republic of)

p537 New onset hypertension and atherosclerosis in patients on long term anti-epileptic drugs

Bharathram SR, Lakshmi Narasimhan R, Shankar Ganesh N, Ravichandran R (India)

p538 Chronic effect of Lacosamide on interictal epileptiform activity in patients with pharmacoresistant focal epilepsy

Rysz A (Poland)

p539 Artificial neural networks may improve the prediction of outcome in adult patients with newly diagnosed localization - related epilepsies

> <u>Lukic SR</u>¹, Jovi N¹, ojbaši Ž¹, Popovi M^{1,2}, Miloševi Z¹, Spasi M¹ (¹Serbia, ²Denmark)

p540 The effects of eslicarbazepine on transient Na+ currents in pilocarpine model of temporal lobe epilepsy

> <u>Döser A</u>¹, Dickhof G¹, Uebachs M¹, Soares-da-Silva P², Beck H¹ (¹Germany, ²Portugal)

p541 Association between ABCB1 C3435T polymorphism and pharmacokinetics of carbamazepine

Sterjev Z, Kiteva Trencevska G, Tonic Ribarska J, Kuzmanovski I, Cvetkovska E, Mladenovska K, Dimovski A, Suturkova L (Macedonia, the Former Yugoslav Republic of)

p542 Lacosamide treatment - added value of plasma levels?

<u>Pedersen B</u>, Rasmussen JB [Denmark] p543 Long-term safety of perampanel: additional 10 months of data from study 307, an extension of three randomized, placebo-controlled, double-blind, phase III trials of perampanel in partial-onset seizures in patients aged 12 and above

> <u>Clément J-F</u>¹, Krauss GL², Pillay N¹, McLachlan RS¹, Hwang P¹, Bagul M³, Zhu J², Gee M³ (¹Canada, ²USA, ³United Kingdom)

p544 Lamotrigine pharmacokinetics following oral and stable-labeled intravenous administration in young and elderly epilepsy patients

> <u>Birnbaum AK</u>, Polepally AR, Brundage RC, Remmel RP, Ramsay RE, Pennell PB, Kistner BM, Leppik IE (USA)

p545 A comparison between pharmacological treatment of epileptic patients with and without intellectual disability Fridhandler JD¹, Coelho FM², Tai PC¹, Jette N¹, Andrade DM¹ (¹Canada, ²Brazil)

p546 Effect of adjunctive lacosamide on seizure-free intervals in adults with partial onset seizures: pooled analysis of double-blind, placebo-controlled clinical trials Zackheim J¹, Simontacchi K¹, Dimova S², McShea C¹, Doty P¹, Schauble B² (¹USA, ²Belgium)

p547 Comparison of body composition and lipid profile among persons with epilepsy on conventional and newer antiepileptic therapy

<u>Sarangi SC</u>, Tripathi M, Gupta YK (India)

- p548 Long-term safety and efficacy of zonisamide versus carbamazepine monotherapy for treatment of partial seizures in adults with newly diagnosed epilepsy: results of a phase III, multinational, randomised, double-blind, active-controlled study

 <u>Baulac M</u>¹, Bagul M², Patten A², Giorgi L² ("France, "United Kingdom)
- p549 Impact of long-term treatment with adjunctive once-daily zonisamide on measures of growth and development in paediatric patients with partial epilepsy

Rosati A¹, Bagul M², Giorgi L², Bradshaw K², Guerrini R¹ (¹Italy, ²United Kingdom)

- p550 Seizure freedom in adults with partial-onset seizures treated with adjunctive lacosamide: pooled analysis of three openlabel extension trials

 <u>Dimova S</u>¹, McShea C²,

 De Backer M¹ (¹Belgium, ²USA)
- p551 Violation of vascular-platelet hemostasis in children with stroke with anticonvulsant therapy

 <u>Issayeva R</u>, Pushkarev K
 [Kazakhstan]
- p552 Long-term safety of adjunctive once-daily zonisamide in paediatric patients with partial epilepsy: results of an open-label extension study of a phase III, randomised, double-blind, placebo-controlled trial <u>Guerrini R</u>¹, Bagul M², Rosati A¹, Bradshaw K², Giorgi L² ('Italy, 'United Kingdom)

- p553 Experience with retigabine treatment in pharmacotherapy resistant partial onset epilepsy patients

 Donath V, Lipovsky L, Mehesova S (Slovakia)
- p554 Long-term seizure outcomes with perampanel in refractory partialonset seizures and secondarily generalized partial seizures:
 10-months additional data from extension study 307 following 3 phase III clinical trials

 Ben-Menachem E¹, Krauss GL²,
 Bagul M³, Zhu J², Gee M³ (¹Sweden, ²USA, ³United Kingdom)
- p555 An assessment of clinical practice toward pharmacological treatment of epilepsy: a survey of adult neurologists in R. Macedonia Kuzmanovski I, Cvetkovska E Macedonia, (the Former Yugoslav Republic of)
- p556 Safety and efficacy of sustained release lamotrigine as onotherapy / add on therapy in the treatment of epilepsy

 <u>Dixit V</u>, Singh A, Pradhan S (India)
- p557 Evaluation of intranasal midazolam administration in preventing convulsive status epilepticus during partial antiepileptic drug withdrawal in the Epilepsy Monitoring Unit Velis DN, Claus S, Gaitatzis A, Zwemmer J, van Emde Boas W (Netherlands)

p558 Progesterone and allopregnanolone may have different mechanisms of anticonvulsant action

Jeffrey MA, Lang M, Burnham WM, <u>Zhang L</u> (Canada)

p559 Multicenter, open-label study evaluating tolerability, safety and efficacy outcomes of lacosamide as adjunctive therapy for patients with partial-onset seizures using a flexible dose escalation schedule and individualized maintenance doses Baulac M¹, Coulbaut S¹, McShea C², Doty P², Friedel C¹ [¹France. ²USA]

p560 Analysis of efficiency and safety of topiramate depending on patient's age and forms of epilepsy

Kholin A, Il`ina E, Zavadenko N (Russian Federation)

p561 Novel KCNQ2/3 channel opener with improved potency and channel selectivity as a potential new treatment for partial-onset seizures: pre-clinical characterization

Furuya T, Purohit A, Edwards S

(USA)

p562 Studies on vitamin E in cyclophosphamide and its utilization for the treatment of brain metabolism: randomized controlled trial

Islam T, Mollik AH1,2

(1Bangladesh, 2USA)

p563 The anticonvulsant effects of omega-3 PUFAs: data from animal and clinical studies

Trépanier M-0, Taha AY, Bazinet RP, <u>Burnham WM</u> (Canada)

p564 The clinical and demographic spectrum related to perception of adverse effects of antiepileptic drugs

<u>Andrade-Valenca L</u>, Gemir TL, Lucena P (Brazil)

p565 An extra dose of antiepileptic drug may prevent epileptic attack after exposure to triggering factors Zaidan R (Saudi Arabia)

p566 Prospective audits with new antiepileptic drugs in localizationrelated epilepsy: insights into response

<u>Brodie MJ</u>, Kelly K, Stephen LJ (United Kingdom)

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Poster session: Epilepsy surgery B

p567 Two years follow up after epilepsy surgery in patients with a history of presurgical psychosis

<u>D'Alessio L</u>, Scévola L, Fernandez Lima M, Oddo S, Konopka H, Seoane E, Kochen S (Argentina)

p568 Changes in optic radiation integrity and visual fields after three different temporal lobe epilepsy surgeries

Zhang H, Wu W-T, Fang Y, Zhou D, Lei D (China)

p569 Mesial temporal lobe epilepsy and the insula. Postsurgical evaluation Dobarro J, Bender JE (Cuba)

p570 Experience and current status of vagus nerve stimulation therapy at one institution in Japan Yamamoto T, Fujimoto A, Yamazoe T, Yokota T, Enoki H (Japan)

- p571 Seizure outcome and complications after resective epilepsy surgery in patients over 50 years in Sweden 1990-2009 Malmgren K, Bialek F, Flink R, Rydenhag B (Sweden)
- p572 Long term follow-up after callosotomy

Rydenhag B, Stigsdotter-Broman L, Ingrid O, Flink R, Malmgren K (Sweden)

p573 Effectiveness and tolerability of vagal nerve stimulation with intractable epilepsy: practical experience at Clementino Fraga Filho University Hospital in Rio de Janeiro

<u>D'Andrea-Meira I</u>, Baltar AC, Pereira VCSR, Oliveira R, Rêgo CCDS, Moura PDM, Viana SVB, de Souza JPBM, Alves-Leon SV (Brazil)

p574 The combination of stereotactic EEG and strip electrode placement Enatsu R, Gonzalez-Martinez J, Bulacio J, Serletis D, Bingaman W,

Najm I (USA)

p575 Laser ablation surgery for mesial temporal, lateral temporal, and extra-temporal foci with and without lesion; successful integration of MSI, fMRI, and EEG and Brainlab technology for non-invasive localization and destruction of epileptic foci using stereotactic laser ablation (SLA) Chez M, Ghassemi A, Ciricillo S, Lepage C, Sekhon A, Low R, Seminario-Lopez N (USA)

p576 Accuracy of frameless navigation for depth electrode implantation in sEEG patients - technical note <u>Baayen JC</u>, Klitsie MAJ, De Jonge CS, De Witt Hamer PC, Velis DN. Claus SP (Netherlands)

p577 Option grid' decision-support intervention for patients considering epilepsy surgery Kynaston J, Elwyn GJ, Smith PEM (United Kingdom)

p578 Surgical treatment of pharmacoresistant epilepsy in Thailand reduces anticonvulsant related treatment cost after two years

<u>Dejasavanong R</u>, Unnwongse K (Thailand)

p579 Seizure outcomes after bitemporal lobe epilepsy surgery: a systematic review and meta-analysis Fang Y, Zhang H (China)

p580 Gamma knife radiosurgery for treatment of failed anterior temporal lobectomy in mesial temporal lobe epilepsy with hippocamal sclerosis (MTLE-HS)

> <u>Lee EM</u>, Kang JK, Hong SH, Lee SA, Lee JK (Korea, Republic of)

p581 Vagus nerve stimulation in a patient with progressive myoclonus epilepsy: a second reported case in the world Hajnsek S, Petelin Gadze Z, Nankovic S, Mrak G, Borovecki F, Sulentic V, Kovacevic I, Bujan Kovac A (Croatia)

p582 Self-perceived changes in psychosocial functioning and quality of life in children after resective epilepsy surgery, a long-term follow-up Hallböök T, Tideman P, Rosén I, Lundgren J, Tideman E (Sweden)

p583 Epilepsy Surgical Grading Scale (ESGS): utilization in epilepsy surgery cohorts at two centres in different countries

Buiskool M1, Dugan P2,

Carney PW³, Carlson C², French J², O'Brien TJ³, Berkovic SF³, McIntosh AM³ ('Netherlands, ²USA, ³Australia) p584 Epilepsy surgery in patients with vascular destructive lesions and congenital hemiparesis

Pascoal T, Paglioli E, Torres C, Hemb M, Saute R, Menezes R, Filho JR, Palmini A (Brazil)

p585 Does multiple subpial transection influence longer term outcome in Landau Kleffner Syndrome
Neville B, Clark M, Jolleff N, Harkness W, Selway R, Greenaway R (United Kingdom)

p586 Resective surgery for paediatric intractable epilepsy associated with cortical dysplasia using 3 Tesla MRI and multimodal functional neuroimaging studies Takahashi A, Otsuki T, Kaido T, Kaneko Y, Honda R, Nakagawa E, Sugai K, Sasaki M (Japan)

p587 Epilepsy surgery in KFSHRC, Riyadh, Saudi Arabia Alsemari A, Baz S, Althubaiti I, Aldhalaan H, Alotaibi F, Alyamani S, Parrent A, Chedrawi A, Lablanc F, Girvin J, Mclean D (Saudi Arabia)

p588 Surgical outcome and predictors of temporal lobe epilepsy surgery in KFSHRC, Riyadh, Saudi Arabia <u>Baz S</u>, Althubaiti I, Alotaibi F, Aldhalan H, Yamani S, Alsemari A (Saudi Arabia)

p589 Epilepsy surgery outcomes in children with tuberous sclerosis

Yi YY, Yu R, Lee JS, Kang HC,
Kim HD (Korea, Republic of)

p590 Long term outcome in persons with drug refractory epilepsy after resection in unilateral mesial temporal sclerosis

Chandra S, Garg K, Gupta V, Goel M, Diwedi R, Chaudhary K, Padma V, Garg A, Singh M, Bal C, Sailesh G, Wadhavan A, Tripathi M (India)

- p591 Are stimulation-evoked seizures during cortical stimulation mapping detrimental to postoperative language function?

 <u>Bank AM</u>, Schevon CA, Hamberger MJ (USA)
- p592 Clinical validation of an online tool to determine appropriateness for an epilepsy surgery evaluation Lutz MT, Mayer T (Germany)
- p593 Time to stop AEDs in children following surgery: is a trial feasible?

Boshuisen K¹, Cross H², Arzimanoglou A³, van Schooneveld MM1, Uiterwaal CSPM¹, Braun KP¹, TimeToStop study group (¹Netherlands, ²United Kingdom, ³France)

p594 A review of our redo epilepsy surgery cases: does double pathology affect epilepsy surgery outcome?

> <u>Alkhalaf Y</u>, Baz S, Alotaibi F, Althobiti I, Aldhalaan H, Alsemari A (Saudi Arabia)

p595 Epilepsy surgery in mesial temporal sclerosis with ictal scalp Video-EEG topographically non-concordant: the relevance of minimally invasive records

Delgado HM, Romero C, Pinto R, Ferreira JC, Cabral P, Canas N (Portugal)

p596 Temporo-parieto-occipital disconnection in posterior quadrantic epilepsy: a case series Dorfer C, Feucht M, Mühlebner A, Gröppel G, Dressler A, Reiter-Fink E, Traub-Weidinger T, Kasprian G, Czech T (Austria)

- p597 Resective surgery for infants and young children with refractory epilepsy: do early surgical interventions result in good seizure and developmental outcomes?
 - <u>Ono T</u>, Baba H, Toda K (Japan)
- p598 Bone mineral density (BMD) in refractory epilepsy treated with epilepsy surgery outcome Tamimi AF, Al-Qudah AA, Dahbour SS, Albahou YG, Al-Masri AT, Tarawneh RM, Al-Sharif AA, Juweid ME, Abou-E-Rish DM, Saleh QA

[Jordan]

- p599 Localized, intra-tuberal epileptogenicity revealed by intraoperative electrocorticography in tuberous sclerosis

 <u>Bailey CA</u>, Maixner WJ,
 Mandelstam S, Freeman JL,
- p600 Development of focal brain cooling system for the treatment of intractable epilepsy

Harvey AS (Australia)

<u>Fujii M</u>, Inoue T, Nomura S, Maruta Y, He Y, Koizumi H, Yamakawa T, Saito T, Yamakawa T, Suzuki M (Japan)

p601 The experience of image guided operation oriented by intraoperative MRI in epilepsy surgery

<u>Kashida Y</u>, Hanaya R, Otubo T, Hosoyama H, Sugata S, Bakhtiar Y, Nakamura K, Fujimoto T, lida K, Arita K (Japan) p602 Short-term healthcare utilization in stereotactic MRI-guided laser ablation for treatment of mesial temporal lobe epilepsy

Helmers SL, Gross RE, Willie JT

(1/SA)

p603 Is additional amygdalohippcampectomy necessary for the intractable lesional temporal lobe epilepsy?

<u>Kishima H</u>, Oshino S, Tani N, Maruo T, Khoo HM, Morris S, Yoshimine T (Japan)

p604 The use of minimally invasive MR-guided laser interstitial thermal therapy in the treatment of mesial temporal lobe epilepsy of children and young adults Witcher MR, Couture D, Sam M, Popli G (USA)

p605 Results of surgical treatment with or without intraoperative ECoG in paediatric epilepsy with supratentorial brain tumours Kholin A, Khalilov V, Vasil`iev I IRussian Federation

p606 Mitochondrial disorders in neocortex of patients with refractory epilepsy

Alonso-Vanegas MA, Villeda-Hernández J, Campos-Peña V, Fernández-Valverde F, Carvajal-Aguilera K, Orozco-Suárez S, Rojas-Andrade G, Galvan-Vela DP IMexicol p607 Correlation between behavior patterns of focal seizures and localization of epileptogenic lesions

> <u>Ristic AJ</u>, Vojvodic N, Kovacevic M, Bascarevic V, Parojcic A, Brajkovic L, Sokic D (Serbia)

p608 Epilepsy surgery: 40 years' experience Garcia-Flores E (Mexico)

p609 Epileptic network analysis based on simultaneous EEG and fMRI of epilepsy surgery candidates: a comparison with invasive recordings and surgical outcome measures

<u>Ossenblok P</u>, van Houdt P, Colon A, Leijten F, Boon P, de Munck JC (Netherlands)

p610 Robotic-assisted craniotomy for selective resection in epilepsy surgery: our initial experience at the Montreal Neurological Institute and Hospital Mok K, Hoeprich M, Klein D, del Pilar Cortes M, Tampieri D, Hall J, Olivier A (Canada)

p611 Corpus callosotomy in children with Dravet syndrome and SCN1A abnormality

Ritter F, Doescher J, Wical B (USA)

TUESDAY 25TH JUNE Poster session: Genetics A

p612 Clinical spectrum of SCN2A mutations expanding to Ohtahara syndrome

Nakamura K¹, Kato M¹, Osaka H¹, Yamashita S¹, Nakagawa E¹, Haginoya K¹, Tohyama J¹, Okuda M¹, Wada T¹, Shimakawa S¹, Imai K¹, Takeshita S¹, Ishiwata H¹, Lev D², Lerman-Sagie T², Cervantes-Barragán DE³, Villarroel CE³, Ohfu M¹, Writzl K⁴, Stražišar BG⁴, Hirabayashi S¹, Chitayat D⁵, Myles Reid D⁵, Nishiyama K¹, Kodera H¹, Nakashima M¹, Tsurusaki Y¹, Miyake N¹, Hayasaka K¹, Matsumoto N¹, Saitsu H¹ (¹Japan, ²Israel, ³Mexico, ⁴Slovenia, ⁵Canada)

p613 The role of CYP2C9 polymorphisms in phenytoinrelated cerebellar atrophy Twardowschy CA, Werneck L, Scola R, De Paola L, Silvado C

(Brazil)

p614 Mutations in PRRT2 result in familial infantile seizures with heterogeneous phenotypes including febrile convulsions and probable SUDEP

> <u>Palamara G</u>, Labate A, Mumoli L, Tarantino P, Ferlazzo E, Fratto A, Pantusa M, Annesi G, Aguglia U, Gambardella A (Italy)

p615 Focal spikes in asymptomatic members of juvenile myoclonic epilepsy families with mutated epilepsy genes

Gill SN¹, Duron RM^{1,2}, Medina MT^{1,2}, Martinez-Juarez I^{1,3}, Alonso MA^{1,3}, Ochoa A^{1,3}, Jara-Prado A^{1,3}, Machado-Salas J¹, Tanaka M¹, Bailey JN¹, Delgado-Escueta A¹ (¹USA, ²Honduras, ³Mexico)

p616 Novel mutations in pyridoxine dependent epilepsy in a Chinese child

<u>Yang Z</u>, Yang X, Wang J, Jiang Y, Qin J (China)

p617 Association with ABCC2 loci for seizure control in women with epilepsy on first-line antiepileptic drugs (AEDs)

<u>Bala K</u>, Grover S, Gourie-Devi M, Sharma S, Kukriti R (India)

p618 Identifying novel progressive myoclonus epilepsy genes by exome sequencing

Muona M¹, Berkovic SF², Dibbens LM², Joensuu T¹, Oliver KL², Bayly MA², Hämäläinen E¹³, Palotie A¹³³, Lehesjoki A-E1, for the PME Consortium (¹Finland, ²Australia, ³United Kingdom, ⁴USA)

p619 CACNA1A variants as a potential genetic modifier of Dravet syndrome

<u>Ohmori I</u>, Ouchida M, Kobayashi K, Ohtsuka Y, Matsui H (Japan)

p620

Association of multidrug resistance 1 (MDR1) gene C3435CT polymorphisms with antiepileptic drug resistance in South Indian epileptic population Turaga SP, Deepika D, Munshi A (India)

p621 STOP SUDEP program: analytical algorithm to assess the diagnostic utility of archived SUDEP samples Klassen TL¹, von Döbeln U², Tomson T2, Drabek J1, Diaz-Soto M¹. Noebels JL¹. Goldman AM1, STOP SUDEP Program Network [1USA, 2Sweden]

p622 A novel mutation of M1630V in CACNA1H in idiopathic generalized epilepsies

> Bai D1, Alonso ME2, Martinez-Juarez IE², Bailey JN¹, Medina MT^3 , Tanaka M^1 , Durón R³, Wang M1, Jara-Prado A². Ochoa A². Delgado-Escueta AV1 (1USA, 2Mexico, 3Honduras)

Analysis of PRRT2 mutations in p623 Chinese families with benign



familial infantile epilepsy and infantile convulsions with paroxysmal choreoathetosis Zhang YH, Yang XL, Xu XJ, Wang S, Liu XY, Wu Y, Yang ZX, Wu XR (China)

p624 Genetic analysis in the patients with epilepsy and intellectual disability

> Nakagawa E, Takeshita E, Maruyama S, Nagai S, Goto Y-I (Japan)

p625 Spectrum of SCN1A Mutations in Chinese patients with febrile seizures related epilepsy Yu L, Shi Y-W, Gao M-M, Li B-M, Deng W-Y, He N, Liu X-R, Meng H, Yi Y-H. Liao W-P (China)

The PRRT2-related disorders: p626 further PKD and ICCA cases and review of the literature

> Becker F1, Schubert J1, Striano P2, Antonnen A-K3, Liukkonen E³. Gailv E³. Gerloff C1, Müller S1, Heussinger N¹, Kellinghaus C¹, Robbiano A², Polvi A³, Zittel S1, von Oertzen T4, Rostasy K⁵, Schöls L¹, Warner T⁴, Münchau A¹, Lehesjoki A-E³, Zara F², Lerche H¹, Weber YG¹ (1Germany, 2Italy, 3Finland, ⁴United Kingdom, ⁵Austria)

p627 Phenotype of patients with a common c.649 650C PRRT2 mutation

> Igarashi A, Okumura A, Shimada S, Shimojima K, Abe S, Ikeno M, Shimizu T, Yamamoto T (Japan)

p628 X-linked periventricular nodular heterotopia due to FLNA-mutation inherited by the father

Kasper BS1, Chang BS2, Kurzbuch K¹, Pauli E¹, Hehr U¹ [1Germanv. 2USA]

p629 Etiology of hippocampal sclerosis: further evidence for a predisposing familial morphological abnormality

Tsai M-H^{1,2}, Pardoe HR¹, Perchyonok Y1, Fitt GJ1, Scheffer IE1, Jackson GD1, Berkovic SF1 (¹Australia, ²Taiwan, Republic of China)

p630 Systems biology approach to juvenile myoclonic epilepsy: contribution of the ionotropic GABAergic system

Jaworski M, Wasslen Y (Canada)

p631 Increased CPA6 promoter methylation in focal epilepsy and in febrile seizures

Belhedi N¹, Perroud N²,

Karege F². Vessaz M².

Karege F², Vessaz M², Malafosse A², <u>Salzmann A²</u> ('Tunisia, 'Switzerland)

p632 Towards a strategy to unravel autosomal recessive encephalopathies

Hardies K¹, Weckhuysen S¹, Bariši N², Jansen A¹, De Meirleir L¹, Van Paesschen W¹, De Jonghe P¹, Suls A¹ (¹Belgium, ²Croatia)

- p633 Association of HLA-B*1502 allele and lamotrigine-induced Stevens-Johnson syndrome and toxic epidermal necrolysis in Han Chinese: a meta-analysis Zeng T, Min FL, Liao WP, Shi YW (China)
- p634 Splice-site mutations in SCN1A cause epilepsies with febrile seizures: mechanisms and correlations with clinical severity Meng H, Tang B, Yi Y-H, Liao WP (China)
- p635 Familial cortical myoclonic tremor and epilepsy (FCMTE): refinement of the FCMTE2 locus

<u>Licchetta L</u>, Bisulli F, Pippucci T, Cantalupo G, Alvisi L, Martinelli P, Naldi I, Seri M, Tinuper P (Italy)

p636 Copy Number Variant burden in a paediatric population with epilepsy Coppola A, Tostevin A, Leu C, Schoeler N, Cross HJ, Sisodiya SM (United Kingdom)

- p637 KCNQ2 and KCNQ3 abnormalities in benign neonatal epilepsy (BNE): a genetic analysis of BNE in Japan Yukiko I, Ishii A, Kaneko S, Hirose S, The Epilepsy Genetic Study Group Japan (Chairperson, SK) (Japan)
- p638 Polymorphism of the multidrug resistance 1 gene MDR1/ABCB1 C3435T and response to antiepileptic drug treatment in Temporal lobe epilepsy

 Manna I, Labate A, Mumoli L,
 Ferlazzo E, Aguglia U, Quattrone A,
 Gambardella A (Italy)
- p639 Role of rare copy number variations in malformations of human cerebral cortex

Torres FR, Souza DA, Guerreiro MM, Montenegro MA, dos Santos AC, Terra VC, Sakamato AC, Cendes F, Lopes - Cendes I (Brazil)

p640 Association between HLA-A*2402 allele and Lamotrigine-induced Stevens-Johnson syndrome in Han Chinese

> <u>Min F-L</u>, Qin B, Lv Y-D, He N, Chen Y-J, Zeng T, Gao M-M, Liu X-R, Li B-M, Liao W-P, Shi Y-W (China)

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Poster session: Neuroimaging A

p641 Neurometabolic effect of repetitive transcranial magnetic stimulation in the epileptic brain: a sham-controlled proton magnetic resonance spectroscopy study

<u>Kistsen V</u>, Evstigneev V, Bulaev I (Belarus)

p642 In vivo 4.7 tesla MRI-based manual hippocampal segmentation identifies subfield-specific volume loss in patients with mesial temporal sclerosis: results from a pilot study Steve TA, Seres P, Huang Y, Wheatley M, Wilman AH, Malykhin N, Gross DW (Canada)

p643 Peculiarities of structural white matter abnormalities and clinical aspects of epilepsy

<u>Kistsen V</u>, Evstigneev V, Bulaev I, Sakovich R (Belarus)

p644 Advanced MRI morphological study shows no atrophy in healthy individuals with hippocampal hyperintensity

Labate A. Cerasa A. Cherubini A.

<u>Labate A</u>, Cerasa A, Cherubini A Pantusa M, Borzì G, Aguglia U, Gambardella A (Italy)

p645 Diffuse cortical atrophy in extratemporal epilepsy with nondiagnostic MRI

> <u>Hong SJ</u>, Schrader D, Bernhardt BC, Bernasconi N, Bernasconi A (Canada)

p646 EEG-fMRI of the cyclic alternating pattern in human NREM sleep

Kokkinos V¹, Vulliemoz S², Koupparis AM¹, Chaudhary UJ², Rodionov R², Carmichael D², Koutroumanidis M², Kostopoulos GK¹, Lemieux L², Garganis K¹ (¹Greece, ²United Kingdom)

p647 PET/MRI surface analysis in refractory epilepsy: a feasibility study

> <u>Lenfant P</u>, Besson P, Petyt G, Jissendi P, Szurhaj W, Tyvaert L, Hossein-Foucher C, Semah F, Lejeune F (France)

p648 The impact of guidelines on the quality of MRI diagnostics in adult patients referred to a tertiary epilepsy centre

Steinhoff BJ, Bacher M, Keller L, Kornmeier R, Kurth C, Mathews K, Martin P, Scholly J, Staack AM (Germany)

p649 Quantitative MRI detects abnormalities in relatives of patients with temporal lobe epilepsy and mild focal cortical dysplasia

> <u>Trápaga Quincoses O</u>, Chacón LM, Rodriguez Rojas R, Estupiñan Diaz B, Zaldivar Bermudez M, Sanchez Coroneaux A (Cuba)

p650 FDG-PET in infancy predicts longterm outcome during adolescence in cryptogenic West syndrome

Natsume J, Maeda N, Itomi K, Ishihara N, Okumura A, Kubota T, Miura K, Aso K, Morikawa T, Kato K, Negoro T, Watanabe K (Japan)

p651 Quantitative amygdalar MR FLAIR signal analysis in mesial temporal lobe epilepsy

Elisevich K, Jafari-Khouzani K, Smith B, Soltanian-Zadeh H (USA)

p652 Non-dominant-hand sensory aura may lateralise to either cerebral hemisphere Abbott DF, Jackson GD, Carey LM

(Australia)

p653 Diagnostic value of double inversion recovery brain imaging

at 3T in the detection of focal cortical dysplasia in epilepsy patients

<u>Ding J</u>, Mao L, Chen C, Wang H, Wang X (China)

p654 Automated shape analysis improves the detection of hippocampal atrophy in patients with temporal lobe epilepsy

> Mumoli L, Labate A, Vasta R, Cherubini A, Palamara G, Fratto A, Ferlazzo E, Aguglia U, Gambardella A (Italy)

p655 Investigation of the brain



networks underlying eye closure sensitivity in Jeavons syndrome and healthy subjects: an EEG-fMRI study

<u>Vaudano AE^{1,2}</u>, Avanzini P¹, Ruggieri A¹, Cantalupo G¹, Di Bonaventura C¹, Nichelli PF¹, Benuzzi F¹, Meletti S¹ (¹Italy, ²United Kingdom)

p656 Transcranial parenchymal sonography in juvenile myoclonic epilepsy

Jovic NJ, Mijajlovic M (Serbia)

p657 FDG-PET using statistical analysis provides reliable surgical decision criteria in temporal lobe epilepsy Iimura Y, Sugano H, Nakajima M, Higo T, Arai H (Japan)

p658 Altered spontaneous lowfrequency BOLD fluctuations in mesial temporal lobe epilepsy Yin W, Luo C (China)

p659 Resting state cingulate network in idiopathic generalized epilepsy Guo Z, Luo C, Zhou D, Yao D (China)

p660 The role of 11C-Methionine positron emission tomography in evaluatiing the epileptogenic region

> <u>Hanaya R</u>, Otsubo T, Kashida Y, Hosoyama H, Sugata S, Nakamura K, Fujimoto T, Iida K, Arita K (Japan)

p661 White matter fiber diameter based optimal magnetic resonance diffusion weighted sequence

Jiang S, Zhang P, Zhao S, Liu J (China)

p662 Arterial spin labelling perfusion MRI in epilepsy surgery evaluation Stockwell LJ, Stone A, Murphy K, Hobden P, Wise R, Hamandi K (United Kingdom)

p663 Patterns of large-scale brain networks organisation in lesional and non-lesional extra-temporal epilepsy

> <u>Hong SJ</u>, Bernhardt B, Bernasconi N, Bernasconi A (Canada)

p664

Altered structural and functional connectivity of thalamocortical network in idiopathic generalized epilepsy

<u>Kim JH</u>, Kim JB (Korea, Republic of)

p665

Functional connectivity changes in absence epilepsy studied by resting-state functional magnetic resonance imaging Fang T (China)

p666 In vivo myelin content alteration in absence epilepsy revealed by T1- and T2-weighted MRI Fang T (China)

p667 NIFTE - a novel method of multimodal fusion of EEG signal - f MRI image to study neurohaemodynamic activity in epilepsy and its clinical applications

<u>Mangalore S</u>, Rajanikanth P, Bharath RD, Gupta AK (India)

p668 Assessment of dynamic effective connectivity of epileptic networks in temporal lobe epilepsy using scalp EEG

Coito A¹, Macku P¹, Tyrand R¹, Astolfi L², He B³, Seeck M¹, Michel C¹, Plomp G¹, Vulliemoz S¹ (¹Switzerland, ²Italy, ³USA)

p669 Comparison of 3T and 1.5T brain magnetic resonance imaging in the evaluation patients with drug-resistant focal epilepsy Ladino LD¹, Balaguera P², Delgado JA², Téllez-Zenteno JF¹, Hernández-Ronquillo L¹, Llano JF², Rascovsky SJ², Gómez-Arias B2, Arias JF², Bustamante C² (¹Canada. ²Colombia)

p670 MRI profiling of the transmantle sign

<u>Schrader D</u>V, Bernasconi A (Canada)

p671 Altered resting-state connectivity of the insula during interictal generalized spike-wave discharges in drug-naive childhood absence epilepsy Yang T, Luo C, Li Q, Gong Q, Zhou D (China)

p672 Extra-temporal memory encoding networks in temporal lobe epilepsy- an fMRI study
Sidhu MK, Stretton J, Winston GP,
Centeno M, Bonelli S, Vollmar C,
Symms M, Thompson PJ, Koepp MJ,
Duncan JS (United Kingdom)

p673 Altered default-mode network in benign childhood epilepsy with centrotemporal spikes
Tu S, Zhang Y, Wang X, Luo C, Yao D (China)

p674 Functional connectivity analysis in Language network in benign childhood epilepsy with centrotemporal spikes

Zhang Y, Wang X, Tu S, Luo C, Yao D (China)

p675 Imaging epileptic networks using local Canonical Correlation
Analysis: a simultaneous EEG-fMRI study
Dong L, Luo C, Yao D (China)

p676 Is there loss of volume in extrahippocampal structures in pure MTLE with HS not discernible by high resolution structural MRI?

Madhusoodanan M, Radhakrishnan A, Hassan H, Thomas B, Kesavadas C, Abraham M, Radhakrishnan K (India) p677 Focus diagnosis of mesial temporal lobe spontaneous seizures by optical topography Edison RE, Yokota H, Oguro K, Watanabe E (Japan)

p678 BOLD responses related to focal frontal spikes and widespread bilateral synchronous discharges

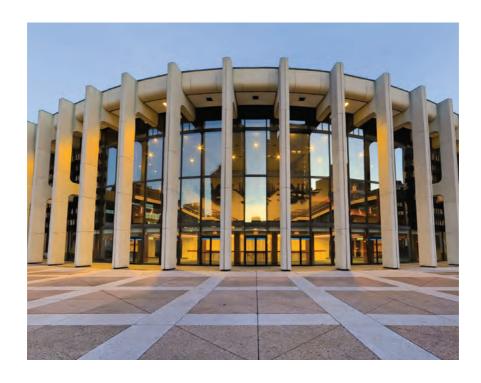
<u>An D</u>, Dubeau F, Gotman J (Canada)

p679 Temporal cortex surface morphometry in mesial temporal lobe epilepsy patients and their unaffected siblings Alhusaini S, Whelan CD, Doherty CP, Delanty N, Fitzsimons M, Cavalleri GL

(Ireland)

p680 Decreasing scanning time and increasing sensitivity in EEG-fMRI studies of epileptic patients using a new fast MRI sequence

Safi-Harb M, Proulx S, An D, Gotman J (Canada)



TUESDAY 25[™] JUNE

Poster session: Neuropsychology A

- Computer-assisted test battery p681 for neuropsychological evaluation in epilepsy: normative data Jones-Gotman M, Djordjevic J, Sziklas V, Sodums D, Bellerose J, Shuchat J (Canada)
- p682 Postoperative neuropsychological changes in patients with nondominant posterior cortex epilepsy

Otsubo T, Tsumagari N, Hanaya R, Sugata S, Hosoyama H, Arita K, Nakamura K, Yamasaki I, Fuilmoto T. lida K (Japan)

- p683 Cognitive development of benign epilepsy with centrotemporal spikes (BECTS): does the epileptic side make any cognitive difference? Mendizabal S (Canada)
- p684 Cognition, behaviour and quality of life five to ten years after childhood epilepsy surgery Smith ML, Tremblay M, Puka K, Tavares T (Canada)
- p685 Analysis of cognitive impairment and correlation with seizures variables Nadkarni VV, Acharya MK (India)
- **686** Fluent language disorders in adults with temporal lobe epilepsy Hirozane M. Murata Y. Taniguchi G. Sone D, Takeda K, Sugai C, Watanabe M (Japan)

- p687 Pre- and post-operative neuropsychological function in epileptic patients undergoing partial insulectomy Boucher O, Rouleau I, Escudier F, Malenfant A, Denault C, Charbonneau S. Lassonde M. Bouthillier A, Nguyen DK (Canada)
- 888g Blurring of the gray and white matter boundary and cognition in focal cortical dysplasia Blackmon K, Barr WB, Carlson C, Quinn BT. Kuznieckv R. Devinskv O. French J. Thesen T (USA)
- p689 Neurocognitive profiling of depression in epilepsy Rayner G, Jackson G, Wilson S [Australia]
- p690 A more realistic approach, using dynamic stimuli, to test facial emotion recognition impairment in temporal lobe epilepsy Tanaka A, Akamatsu N, Toyota T, Yamano M, Tsuji S, Kawamura M, Nakagawa M (Japan)
- p691 A protocol for the assessment of language networks using fMRI: application of different methods of data analysis and relation to Wada test results Gosar D1, Cus A1, Koritnik B1, Lorber B1, Hamer H2, Pauli E2
- p692 Profiling musical function in focal epilepsy: a case series Bird LJ, Jackson GD, Abbott DF, Wilson SJ (Australia)

(1Slovenia, 2Germany)

p693 Memory outcome after temporal lobe resection in childhood

<u>Skirrow C</u>, Cross H, Cormack F, Meierotto E, Gaiottino J, Harkness W, Vargha-Khadem F, Baldeweg T (United Kingdom)

p694 The assessment of long-term memory in temporal lobe epilepsy (TLE): the contribution of standard and extended delays of recall

<u>Cus A</u>¹, Gosar D¹, Lorber B¹, Hamer H², Pauli E² ('Slovenia, ²Germany)

p695 Subjective memory evaluation before and after temporal lobe epilepsy surgery

> Huang C-W^{1,2}, Hayman-Abello B¹, Hayman-Abello S¹, Derry P¹, McLachlan RS¹ (¹Canada, ²Taiwan, Republic of China)

p696 New methods for examining family functioning in epilepsy
<u>Wilson S, Rayner G, Lawrence JA</u>
[Australia]

p697 Contribution of hippocampal subfields to memory processes in humans: the role of CA1 and the dentate gyrus

<u>Pauli E</u>, Coras R, Schwarz M, Kasper B, Stefan H, Rössler K, Hamer H, Blümcke I (Germany)

p698 Visual novelty processing in patients with unilateral temporal lobe resection

<u>Hendriks MPH</u>, Grouls MME, Colon A, Schomaker J, Meeter M (Netherlands)

p699 Development of an abstract wordlearning test for temporal lobe epilepsy: English-French equivalence and clinical findings Sziklas V, Crane J (Canada)

p700 Neuropsychological profiles in familial periventricular nodular heterotopia

Kurzbuch K¹, Pauli E¹, Chang BS², Walker LM², Kasper BS¹ (¹Germany, ²USA)

p701 Does polytherapy or cortical resection influence the ability of people with epilepsy to benefit from a memory rehabilitation program?

Thayer ZC, Miller LA (Australia)

p702 Accelerated long-term forgetting (ALF) for new autobiographical experiences occurs in temporal lobe epilepsy (TLE) but does not explain retrograde autobiographical memory impairments

<u>Ricci M</u>, Mohamed A, Savage G,
Miller LA (Australia)

p703 Seizures (but not interictal discharges) within 24 hours cause accelerated long-term forgetting (ALF) of autobiographical experiences in patients with temporal lobe epilepsy (TLE)

<u>Ricci M</u>, Mohamed A, Boserio J,
Savage G, Miller LA (Australia)

p704 Children (10 - 12 years age) of mothers with epilepsy have lower intelligence and visual attention Gopinath N, Muneer AK, Unnikrishnan SK, Thomas SV (India)

p705 Decision making in rolandic epilepsy

<u>Lunardi L</u>, Fuentes D, Guimarães C, Boscariol M, Manreza ML, Miziara C, Guerreiro M (Brazil) p706 WISC-III-taking fatigue in children with epilepsy: no major issue van Iterson L, Augustijn PB

<u>van Iterson L</u>, Augustijn Pi (Netherlands)

p707 Empathy ability and emotion recognition in temporal lobe epilepsy and idiopathic generalized epilepsy

Zummo L, Realmuto S, Cerami C, Agrò L, Dodich A, Canessa N, Zizzo A, Daniele O (Italy) p708 Episodic and semantic memory in children with temporal lobe epilepsy: are they related to literacy skills?

<u>Lah S</u>^{1,2}, Smith ML³ (¹Austria, ²Australia, ³Canada)

p709 Hippocampal NAA as an evaluative method for memory function:
Japanese normative database
Maruyama N, Sawai Y, Kawata K,
Hirabayashi H, Hoshida T
(Japan)



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TUESDAY 25TH JUNE

Poster session: Paediatric epileptology B

p710 Delays to epilepsy diagnosis in children with early-onset epilepsy: a community-based experience

> <u>Berg AT</u>, Baca CB, Loddenkemper T (USA)

p711 Clinical characteristics of posttraumatic seizures in children

Kim JS, <u>Ryu HW</u>, Lim BC, Hwang H, Kim H, Kim KJ, Hwang YS, Chae JH (Korea, Republic of)

- p712 Resistant forms of epilepsy in children of early age
 Fomina MY (Russian Federation)
- p713 Sleep disturbances in school-aged children with and without epilepsy: prevalence and its effect on health-related quality of life Gutter T, Brouwer OF, de Weerd AW (Netherlands)
- p714 Life quality and health of adolescents and emerging adults with epilepsy during their years of transition: a scoping review

 Thomson L, Fayed N, Ronen G
 (Canada)
- p715 The efficacy of intravenous valproate compared to intravenous phenobarbital in controlling seizures among paediatric patients with benzodiazepine-refractory status epilepticus: a randomized controlled trial

 Banta-Banzali LKF, Obligar PD,

Panlilio JR. Pasco PM

(Philippines)

p716

Assessing the conceptual content in health status and quality of life measures in paediatric epilepsy using World Health Organization definitions

<u>Sadeghi S</u>, Ronen GM, Fayed N (Canada)

p717 Neurocognitive function in children with newly diagnosed epilepsy

<u>Lee KY</u>, Park SJ (Korea, Republic of)

p718 Clinical features of benign infantile convulsions with mild gastroenteritis: a retrospective study of 34 cases in a single center

<u>Chung S</u>, Lee EH (Korea, Republic of)

p719 Epilepsy evolution in focal cortical dysplasia and tuberous sclerosis complex

> Aljared T, Dudley R, Jabiri MZ, Montes J, Shevell M, Saint-Martin C, Wintrermark P, Atkinson J, Farmer J-P (Canada)

- p720 The risk of post-traumatic epilepsy in children after traumatic brain injury Diaconu G, Grigore I, Marin B (Romania)
- p721 A rare combination of the neurocutaneous melanosis and Dandy-Walker variant with drugresistant epilepsy: case report Kirilova LG, Miroshnykov OO, Lysytsa VV, Tkachuk LI, Shevchenko OA, Silaeva LY, Grabovenska IO (Ukraine)

p726

- p722 Analysis of compliance and safety of ketogenic diet treatment of children with intractable epilepsy Zhou S-Z, Yu L-F, Wang X-H, Zhang L-M (China)
- Clinical features and therapeutic p723 effecte of 30 patients with Landau-Kleffner syndrome Zhou S-Z, Chai Y-M, Guan J, Pang G, Wang X-H (China)
- p724 Efficacy of low glycemic index diet therapy in children with refractory epilepsy: a randomized controlled trial Kannan L, Gulati S, Agarwala A, Kabra M, Tripathi M, Pandey RM (India)
- p725 A genetic basis for treatment response to the Ketogenic diet Schoeler NE, Cross JH, Sander JW, Sisodiya SM (United Kingdom)
- Role of emergency CT scan as an investigative tool in children with first afebrile seizure Ramachandran Nair R, Shah C, Midia M. Haider E. Rosenbloom E. Valani R (Canada)
- p727 Variability in the diagnosis and management of electrical status epilepticus of sleep Ramachandran Nair R, Go C (Canada)
- p728 Long term outcome of Lennox-**Gastaut syndrome** Kim HJ, Kim HD, Lee JS, Lee Y-M, Kang H-C (Korea, Republic of)
- p729 Efficacy of repeated adrenocorticotropic hormone therapy in patients with intractable epileptic spasms Ikegami M, Takahashi Y (Japan)

- p730 Increased inflammatory cytokines in sera of children with acuteonset febrile seizures Yu J, Kang DS, Koh JW, Jeon JS, Kim JK (Korea, Republic of)
- p731 Characterization of epileptic seizures in the first 3 years of life of newborns at risk. Cuba Exposito Fernandez Y (Cuba)
- p732 Clinical, cognitive and behavioral outcome in females with PCDH 19 gene - related epilepsy Cusmai R, Moavero R, Terracciano A, Cappelletti S, Vigevano F, Specchio N (Italy)
- p733 High-dose oral prednisolone in West Syndrome - a viable alternative to ACTH Chong CSM, Tan JCL, Wun G, Chan DWS (Singapore)

p734

between infantile spasms and autism Bitton JY, Demos M, Carmant L. Canadian Pediatric Epilepsy Network (CPEN) (Canada)

Understanding the relationship

- p735 Clinical characteristic and treatment of epilepsy for children with tuberous sclerosis <u>Grigore I</u>, Diaconu G, Burlea M (Romania)
- p736 Dravet syndrome in Sweden: a population based study Hallböök T, Rosander C (Sweden)
- p737 Transition from paediatric to adult health care for young adults with significant cognitive impairments and epilepsy: parental perspectives Davies H, Rennick J, Majnemer A, Dubeau F, Koutsogiannopoulos S (Canada)

p738 Treatment outcome of Lennox-Gastaut syndrome

Kim JA, Lee MJ, Kang JW, Kang H-C, Lee JS, Lee Y-M, <u>Kim HD</u> (Korea, Republic of)

p739 Late-onset epilepsy in children after acute febrile encephalopathy with prolonged convulsions

<u>Saito T</u>, Saito Y, Sugai K, Nakagawa E, Komaki H, Kaneko Y, Kaido T, Takahashi A, Otsuki T, Sakuma H, Sasaki M (Japan)

p740 Clinical characteristics of epileptic seizures in a case of dihydropteridine reductase deficiency

> <u>Furujo M</u>, Kinoshita M, Shintaku H, Kubo T (Japan)

p741 Menkes disease: an important cause of early onset refractory seizures

<u>Jain P</u>, Kannan L, Kumar A, Gupta N, Kabra M, Gulati S (India)

p742 Epidemiologic, clinical and etiological aspects of epileptic encephalopathy in senegal Ouldmohamedlemine S, Ndiaye

<u>Ouldmohamedlemine S</u>, Ndiaye M, Ba EM, Diagne NS, Ben Adji DW, Seck LB, Cisse O, Diop AG, Ndiaye MM (Senegal)

p743 Focal cortical dysplasia and epilepsy in infancy: focal seizures versus epileptic spasms

<u>Serino D</u>, De Giorgi I, Ragona F, Granata T, Bernardi B, Specchio N, Fusco L, Vigevano F (Italy)

p744 Clinical features and long-term surgical outcome of children with epilepsy due to focal cortical dysplasia

> <u>Choi HW</u>, Yum MS, Kim EH, Kim SA, Kim JJ, Khang SK, Hong S, Lee JK, Ko TS (Korea, Republic of)

p745 Intravenous levetiracetam in children with acute repetitive or prolonged seizures

Yang I-Y, Kim E-H, Choi H-W, Yum M-S, Kim DW, Ko T-S (Korea, Republic of)

p746 The etiological profile of neonatal seizures and neurodevelopmental outcome

> Gürbüz G, <u>Ünalp A</u>, Ozbek E, Unal N, Calkavur S, Olukman O, Arslanoglu S (Turkey)

p747 Evaluation of efficacy of vagus nerve stimulation in 62 children with up to four years follow-up in a single center in Lebanon Hmaimess G, Sabbagh S, Sayad S, Nachanakian A (Lebanon)

p748 How many antiepileptic drugs should be tried to diagnose intractable partial epilepsies in children or young adults?

<u>Sugai K</u>, Nakagawa E, Saito Y, Saito T, Ishiyama A, Komaki H, Sasaki M, Otsuki T (Japan)

p749 European randomized controlled trial in children with electrical status epilepticus in sleep (ESES) van den Munckhof B¹, Arzimanoglou A², Perucca E³, Braun KP¹, Jansen FE¹, ESES Study Group l¹Netherlands.²France. ³Italv)

p750 White matter development in children with idiopathic localization-related epilepsy Ciumas C, Saignavongs M, Ilski F, Heckemann RA, Herbillon V, De Bellescize J, Panagiotakaki E, Hannoun S, Sappey-Marinier D, Ostrowsky-Coste K, Ryvlin P

p751 Initial EEG findings in children presenting with new-onset epilepsy

<u>Kenney DL</u>, Wong-Kisiel L,

Nickels K. Wirrell E (USA)

(France)

TUESDAY 25TH JUNE

Late breaking posters

LBP1084 BE - Beyond Epilepsy: an

education and advocacy program in Tanzania

Jurasek L, Carline S (Canada)

LBP1085 Cross-sensitivity of adverse psychiatric and behavioral

effects with antiepileptic drug

use

Chen B, Detyniecki K, Hirsch L

(USA)

LBP1086 Opportunity of using

recombinant humaninterleukin-2 in patients with epilepsy

Lipatova LV, Serebryanaya NB, Sivakova NA (Russian Federation)

LBP1087 Word-finding difficulties and retigabine: act with caution!

<u>Unterberger I</u>, Prieschl M, Walser G, Bergmann M, Luef G (Austria)

LBP1088 Pharmacokinetics and

tolerability of intranasal diazepam in adult patients with

epilepsy

Sperling M, Seif Eddeine H, Haas KF, Krauss G, <u>Henney III HR</u>, Rabinowicz AL, Bream G, Grinspan A, Carrazana EJ

(USA)

LBP1089 Epilepsy; what do health professionals in Riyadh know?

Alaqeel A, <u>Alebdi F</u>, Sabbagh A

(Saudi Arabia)

LBP1090 Voltage gated sodium channel gene polymorphisms are

associated with epilepsy

Baum L¹, Haerian BS², Ng H-K¹, Wong V¹, Ng PW¹, Lui CHT¹, Sin NC¹, Zhang C³, Tomlinson B¹, Wong WKG¹, Wong KS¹, Tan HJ², Raymond AA², Zahurin M², Kwan P¹.4(¹China, ²Malaysia, ³USA. ⁴Australial LBP1091 Mutations in GRIN2A cause idiopathic focal epilepsy with rolandic spikes

von Spiczak S¹, Lal D¹,
Reinthaler EM², Steiner I¹,
Nothnagel M¹, Laube B¹,
Schwake M¹, Hoffmann P¹,
Herms S¹, Altmüller J¹,
Toliat MR¹, Thiele H¹,
Nürnberg P¹, Wilhelm C¹,
Stephani U¹, Helbig I¹,
Lerche H¹, Zimprich F²,
Neubauer BA¹, Biskup S¹,
Lemke JR³, GRIN²A study group
[¹Germany, ²Austria, ³Switzerland]

LBP1092 Hippocampal malrotation is associated with chromosome 22q11.2 microdeletion

Andrade DM, Krings T, Chow EWC, Kiehl T-R, Bassett AS (Canada)

LBP1093 Amygdala enlargement in patients with mesial temporal lobe epilepsy without

hippocampal sclerosis

Morita ME, Coan AC, Campos BM, Yasuda CL, Cendes F (Brazil)

LBP1094 International consensus classification of hippocampal sclerosis in temporal lobe epilepsy: a task force report from the ILAE Commission

on Diagnostic Methods

Coras R¹, Blümcke l¹, Thom M², Aronica E³, Armstrong D⁴, Bartolomei F⁵, Bernasconi A⁶, Bernasconi N⁶, Bien CG¹, Cendes F², Cross HJ2, Jacques TS², Kahane P⁵, Gary MW4, Miyata H⁶, Moshe SL⁴, Oz B՞, Özkara C², Perucca E¹⁰, Sisodiya S2, Wiebe S6, Spreafico R¹⁰ (¹Germany, ²United Kingdom, ³Netherlands, ⁴USA, ⁵France, ⁴Canada, 'Brazil· ³Japan ³Turkey, ¹⁰|taly)

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LBP1095 Angiocentric glioma: seven cases report including two cases with unusual histological features Piao Y-S. Ni H-C. Chen L. Lu D-H

(China)

LBP1096 Alexithymia in epilepsy patients

Zisimopoulou V, Siatouni A, Triantafyllou N. Tavernarakis A. Sakas D, Gatzonis S (Greece)

LBP1097 Research of communication skills in patients with epilepsy

Abbas RTB. Messas CS (Brazil)

LBP1098 Are American Academy of Neurology epilepsy quality measures being followed in children?

Clarke D. Jean S. Tindall K. LeSure S. Perkins F (USA)

LBP1099 Atypic SSPE case with myoclonic ierks without EEG findings Uzun M, Cinar B (Turkey)

LBP1100 Does the sleep disturbance scale distinguish among children with different neurological disorders? Shuper A, Cohen R,

Halevi A (Israel)

LBP1101 Successful treatment two children with drug resistant myoclonicastatic epilepsy (Doose syndrome)

with ketogenic diet

Bachanski M, Wierzbicka A, Kmiec T, Rokicki D, Olszaniecka M (Poland)

LBP1102 Insight in the anterior prefrontal cortex: the patient who became Goofy and danced like Michael Jackson

> Neilson J, Snyder T, Pugh J, Wheatley M, Tang-Wai R (Canada)

LBP1103 Acute encephalitis with refractory. repetitive partial seizures (AERRPS)/febrile infectionrelated epilepsy syndrome (FIRES): a multicenter study on 13 children

Sakuma H., Kuki I., Tanuma N., Havashi M (Japan)

LBP1104 Study of etiological profile of infantile and childhood partial seizures at a tertiary care centre in south India

Vykuntaraju KN, Smitha S, Kumar P. Premalatha R (India)

LBP1105 Automated detection and video analysis for nocturnal childhood events (ADVANCE) Ng ES, Chan WSD, Eng HL,

Darsono W, Ng YL (Singapore)

LBP1106 Use of the MOXO test to evaluate the core components of ADHD in epileptic atients

Cohen R. Halevi A. Shuper A (Israel)

LBP1107 Two children with refractory occipital lobe epilepsy: the distinguishing clinical, electrographic, electrocortigraph ic features of Rasmussen's encephalitis

Tang-Wai R, Bello-Espinoza L, Johnson E, Hader W, Pugh J, Wheatley M. Starreveld Y. Datta A. Scantlebury M (Canada)

LBP1108 Complications of prolonged treatment with the ketogenic diet in treatment resistant epilepsy

Gainza M^{1,2}, Michoulas A², Connolly MB², Zanotta F², Simonson C^2 , Huh L^2 , Selby K^2 , Farrell K² (1Chile, 2Canada)

LBP1109 The evaluation of 12 patients with hippocampal malrotation: a single centre experience

Gençpınar P, Karaali K, Haspolat S, Duman Ö (Turkey)

LBP1110 KCNQ2 encephalopathy: electroclinical presentation and response to treatment in two new

<u>Numis AL</u>¹, Sullivan JE¹, Lewis AJ¹, Singhal NS¹, Casara G², Striano P², Cilio MR¹ (¹USA, ²Italy)

LBP1111 Recovery of close brain injury and acquired aphasia: a case study Golubovic SM (Serbia)

LBP1112 Randomized controlled trial of external trigeminal nerve stimulation (eTNS™) for epilepsy: impact on mood as measured by the Beck depression inventory <u>DeGiorgio C</u>, Soss J, Cook I, Kealey C, Markovic D, Heck C (USA)

LBP1113 Mental disorders of patients with epilepsy in Belarus

<u>Makhrov M</u>, Hlebokazov F, Matveichuk I, Dakukina T (Belarus)

LBP1114 Quality of life in children with epilepsy and cerebral palsy in Slovenia

<u>Jekovec- Vrhovšek M</u>, Gosar D, Kržan MJ, Vrba L, Simic S, Neubauer D (Slovenia)

LBP1115 The clinical features and prognosis of patients with non-convulsive status epilepticus in the neuro-intensive care unit of a tertiary referral center in Turkey Dericioglu N, Arsava EM, Topcuoglu MA (Turkey)

LBP1116 Intravenous levetiracetam in Thai children and adolescent with SE and acute seizures

Khongkhatithum C, Thampratankul L, Wiwattanadittakul N, Visudtibhan A (Thailand)



WEDNESDAY 26TH JUNE

Poster session: Adult epileptology C

p752 Points to keep in mind for primary care doctors in treating epilepsy patients

Asano S, Nakagomi T (Japan)

p753 Postictal extreme elevation of serum creatine kinase in combination with increased liver transaminases

König K, Schedler A, Krämer G [Switzerland]

p754 Video-Telemetry is associated with reduced health resource utilisation

> <u>Ghougassian DF</u>, Beran RG, O'Brien TJ (Australia)

p755 Walking PLEDs: a case report of "ictal" periodic lateralized epileptiform discharges <u>Peterson BW</u>, Fiore CR, Mader EC, Olejniczak PW (USA)

p756 Seizures after stroke in 12 young patients in Fann Teaching hospital

<u>Sounga Bandzouzi PEG,</u> Mbonda PCC, Noutsa LK, Ould Lemine S, Diop AG (Senegal)

p757 Long term evolution of Unverricht Lundburg disease in Tunisian patients

> <u>Gargouri-Berrechid A</u>, Hizem Y, Ben Djebara M, Kacem I, Gouider R (Tunisia)

p758 SERDAS: a new disability scale for epilepsy patients

<u>Wamil MB, Pollard JR</u>, Burakazi E, French JA (USA)

p759 Clinical management of epilepsy associated with cavernous hemangiomas and arteriovenous malformations

<u>Kiteva-Trenchevska GA</u> Macedonia, (the Former Yugoslav Republic of)

p760 Benign mesial temporal lobe epilepsy

<u>Al Qassmi A</u>, Mirsattari S, McLachlan R, Burneo J (Canada)

p761 Nocturnal seizures masquerading as catathrenia: a case report

<u>Bercovici E</u>, Mirsattari SM (Canada)

p762 Childhood-onset epilepsy predicts prolonged stay in the shadows
Fawale MB (Nigeria)

p763 Measures for improving treatment outcomes for patients with epilepsy: results from a large

survey<u>Groenewegen A</u>¹, Mitchell A²,
Dedeken P¹ ('Belgium,
²United Kinadom)

multinational physician-patient

p764 High prevalence of single small CT lesions among patients with juvenile myoclonic epilepsy: diagnostic and treatment implications

Shukla G, Gupta A, Katoch J, Garg A, Goyal V, Srivastava A, Vibha D, Behari M (India)

p765 Is classification of psychogenic nonepileptic seizures feasible in an outpatient short-term video EEG cohort?

Tan YL, Nigel Tan N (Singapore)

p766 Clinical, electroencephalographic and imaging correlates of primary and secondary Dyke David off Masson syndrome in adults with intractable epilepsy Templeton E, Das RR (USA)

Templeton E, <u>Das RR</u> (USA)

p767 Epilepsy in adult patients with Down syndrome

<u>Grimmer A</u>, Ott DVM, Holtkamp M (Germany)

p768 Ictal and postictal MRI for the localization of seizure onset

Thomas GP, Liu J, Bujarski KA, Kobylarz EJ, Richardson KR, Thadani VM, Jobst BC (USA)

p769 Identifying SCN1A mutations and treatment options in adult patients

> <u>Veendrick-Meekes MJBM,</u> Lambrechts DAJE, van Erp G (Netherlands)

p770 A case of musicogenic epilepsy

Ikeda H, Hiyoshi T, Usui K, Nishida T, Yamazaki E, Yoshimura K, Nakano T, Ikeda H, Inoue Y (Japan)

p771 Evaluation of patients with ictal kissing automatism

<u>Taskiran E</u>¹, Carpraz l¹, Bilir E¹, Demir A¹, Bora l¹, Chassoux F², Aydogdu l¹, Ozkara C¹ (¹Turkey, ²France)

p772 Some clinical features of posttraumatic epilepsy patients in Khan Uul district of Ulaanbaatar Myangaa A, Avirmed T, Guntev T (Mongolia) p773

Postictal generalized EEG suppression is not a consistent finding in people with multiple 4 convulsive seizures

Lamberts RJ¹, Gaitatzis A¹, Sander JW¹,², Elger CE³, Surges R³, Thijs RD¹,² (¹Netherlands, ²United Kingdom, ³Germany)

p774 Contribution of history and additional investigations in diagnostic allocation of new onset epileptic seizures and epilepsies

Weissinger F, von Bornstädt M,
Kowski A, Holtkamp M (Germany)

p775 Increased prevalence of electrocardiogram markers for

sudden cardiac arrest in epilepsy <u>Lamberts R</u>¹, Blom MT¹, Novy J², Belluzzo M^{2,3}, Seldenrijk A¹, Penninx BWJH¹, Sander JW^{1,2}, Tan HL¹, Thijs RD^{1,2} (¹Netherlands, ²United Kingdom, ³Italy)

p776 Sudden cardiac arrest in epilepsy: circumstances and risk factors

Lamberts R¹, Blom MT¹, Wassenaar M¹, Bardai A¹, de Haan G-J¹, Leijten FSS¹, Sander JW^{1,2}, Thijs RD^{1,2}, Tan HL¹ ('Netherlands, ²United Kingdom)

p777 Pilomotor seizures of autoimmune origin

Rocamora R, Vivanco-Hidalgo R, Becerra JL, Fossas P, Mauri JA, Albert M (Spain)

p778 Major obstacles in the management of adult epileptics in a tertiary referral hospital in Northeast Nigeria

> <u>Salawu FK</u>, Olokoba AB, Martins OF, Machunga D, Isa BM, Danburam A (Nigeria)

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p779 Nocturnal focal epilepsy: clinical, neurophysiological and radiological analysis

<u>Delil S</u>, Yavuz Demiray D, Benbir G, Yeni N, Karaa aç N, Uzan M, Ozkara C (Turkey)

p780 Cavum septum pellucidum:
association with mental
retardation, epilepsy,
macrocephaly and hypogonadism
in a 19-year old Nigerian female:
a case report

Molokwu OA, Onwuekwe IO, Ekenze OS, Ezeala BA (Nigeria)

p781 Is it head bobbing or head nodding seizures?

<u>Stewart AM</u>, Khan GQ, Bensalem-Owen M (USA)

p782 The etiologic role of calcified cysticercotic lesion in drug-resistant epilepsy: a systematic review

Escalaya AL¹, Villafuerte MV²,

Singh G³, Burneo JG¹ (¹Canada, ²Peru, ³India)

p783 Continuous EEG monitoring in critical care

<u>Uribe R</u>, Uslar W, Ciampi E, Romero G, Mellado P, Godoy J (Chile)

p784 Reversible post partum Carbamazepine induced encephalopathy Zaidan R (Saudi Arabia)

p785 Profile of patients with epilepsy at Mohamed VI University Hospital of Marrakech

Kissani N, Boujemaoui A (Morocco)



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Poster session: Basic sciences C

p786 Impact of Nav1.1 knockdown on CA1 in hippocampal function

Sakkaki S, Bender AC, Holmes GL, Scott RC, Lenck-Santini P-P (USA)

p787 Effects of DC electric field on synaptic plasticity and seizurelike activity in thalamocingulate circuitry

<u>Chang WP</u>, Shyu BC (Taiwan, Republic of China)

p788 Structure based drug design, synthesis and screening of Adenosine A2A antagonists as novel antiepileptic drugs

<u>Srikanth R, Reshma A, Sriram D, Perumal Y (India)</u>

p789 Prenatal prevention of epilepsy: maternal tubacin treatment prevents embryonic neuronal migration defects and epileptic activity caused by rat Srpx2 silencing in utero

> Salmi M¹, Bruneau N¹, Cillario J¹, Lozovaya N¹, Massacrier A¹, Buhler E¹, Cloarec R¹, Tsintsadze T¹, Watrin F¹, Tsintsadze V¹, Zimmer C¹, Villard C¹, Lafitte D¹, Cardoso C¹, Bao L², Lesca G¹, Rudolf G¹, Muscatelli F¹, Pauly V¹, Khalilov I¹, Durbec P¹, Ben Ari Y¹, Burnashev N¹, Represa A¹, Szepetowski P¹ (¹France, ²China)

p790 Severe hypoglycemia in the hippocampal CA3 circuitry induces NMDA receptor dependent seizures and CA1 synaptic failure in vitro

> Florez CM, Sugumar S, Lukankin V, Mc Ginn R, Zhang J, Zhang L, Carlen PL (Canada)

p791 Expression change of semaphorin 3f in the hippocampus of the lithium chloride-pilocarpine epilepsy mouse model and its relation with mossy fiber prouting Zhou L-M, Cai X-D, Zhou J-Q, Chen Z-Y, Yang L-B, Chen S-D, Chen Y-S, Fang Z-Y, Ni G-Z (China)

p792 STE20/SPS1-related proline/ alanine-rich kinase is involved in plasticity of GABA signaling function in mouse acquired epilepsy Zhou L-M, Yang L-B, Cai X-D,

<u>Zhou L-M</u>, Yang L-B, Cai X-D, Zhou J-Q, Chen S-D, Chen Y-S, Chen Z-Y, Wang Q, Fang Z-Y (China)

p793 Gender differences in febrile seizure outcome and sexual dimorphism to early-life stress

<u>Desgent S, Sanon NT, Duss S, Bilodeau G-A, Salam MT, Awad P, Di Cristo G, Carmant L (Canada)</u>

p794 Epileptiform activity in a mouse model of the fetal alcohol syndrome

> <u>Krawczyk M</u>, Ramani M, Florez CM, Mylvaganam S, Dian JA, Mcginn R, Carlen PL (Canada)

p795 The role of gap junctional communication in hypoglycemic and glucose reperfusion seizures Sugumar SR, Tonkikh A, Zhang J, Florez CM, Zhang L, Carlen PL (Canada)

p796 Temporal lobe epilepsy - a glial disorder?

<u>Bedner P</u>, Dupper A, Hüttmann K, Cornelissen C, Martin T, Steinhäuser C (Germany)

p797 The effects of eslicarbazepine on transient Na+ currents in chronically epileptic human hippocampus

<u>Döser A¹</u>, Dickhof G¹, Uebachs M¹, Soares-da-Silva P², Beck H¹ (¹Germany, ²Portugal)

p798 Effects of age and gender on the pharmacokinetics of valproate and phenobarbital

Peng W, <u>Li J</u> (China)

p799 Dextromethorphan attenuates seizure susceptibility in mice following systemic inflammation Wu H-M, Huang W-Y

(Taiwan, Republic of China)

p800 Attention deficit caused by early life interictal spikes is improved with ACTH

Hernan AE¹, Alexander A¹, Jenks KR¹, Barry J¹, Lenck-Santini P-P¹, Isaeva E^{1,2}, Holmes GL¹, Scott RC^{1,3} (¹USA, ²Ukraine, ³United Kingdom)

p801 Firing properties and reactivation of hippocampal place cells in rats with epilepsy during sleep

<u>Titiz AS</u>¹, Lenck-Santini P-P¹, Scott RC^{1,2}, Holmes GL¹ (¹USA, ²United Kingdom)

p802 Decrease in multifocality and spatial complexity contribute to seizure termination

<u>Jiruska P</u>^{1,2}, Cmejla R¹, Palus M¹, Janca R¹, Jefferys JGR² (¹Czech Republic, ²United Kingdom)

p803 Functional impairment of adult hippocampal neurogenesis in patients with chronic mesial temporal lobe epilepsy

<u>Claasen J-H</u>, Garthe A, Scherfeld D, Christian B, Kempermann G (Germany)

p804 Effects of a KCC2 blocker on network activity in piriform and entorhinal cortices Hamidi S, Herrington R,

<u>Hamidi S</u>, Herrington R, Avoli M (Canada)

p805 Characteristics of epileptic seizures in WAG/Rij rats with induced cortical dysplasia

<u>Sahin D</u>, Gurses C, Orhan N, Ugur Yilmaz C, Kucuk M, Ahishali B, Arican N, Ates N, Kaya M (Turkey)

p806 Effect of levetiracetam and topiramate on kynurenic acid synthesis in rat brain Kocki T (Poland)

p807 Effects of newborn transplantation of neurospheres derived from medial ganglionic eminence in adult epileptic rats Romariz SAA, Valente MF, Calcagnotto ME, Barnabé GF,

Romariz SAA, Valente MF, Calcagnotto ME, Barnabé GF, Bittencourt S, Mello LE, Longo BM (Brazil)

p808 NMDA and GABA-ergic mechanisms in the antiepileptic effect of tianeptine in experimental models of epilepsy Reeta KH, Gupta YK (India)

p809 Febrile seizures in immature mice induce a decrease in reelinpositive cells and facilitate granule cell dispersion induced by intra-hippocampal kainate

Hamelin S, Stamboulian-Platel S, Pouyatos B, Pallud J, Depaulis A

p810 Angiotensin II overexpression in the hippocampus may be responsible for the death occurring during pilocarpine induced status epilepticus

Gouveia TL, Almeida SS, Iha HA, Zetune KQ, Silva Jr JA, Santana ET, Casarini DE, Pesquero JB, Pesquero J, Cavalheiro EA, Naffah-Mazzacoratti MDG (Brazil)

p811 Long-term effects of single earlylife seizures on cortical excitability

<u>Rigas P</u>, Nikita M, Sigalas C, Tsakanikas P, Skaliora I (Greece)

p812 Current source density analysis of spontaneous interictal spikes in vivo

<u>Flynn SP</u>, Lenck-Santini P-PP, Holmes GL (USA)

p813 Postnatal transplantation of neuronal precursor cells protects adult mice from PTZ-induced seizures

<u>Calcagnotto ME</u>, Valente MF, Romariz S, Paiva DS, Frussa-Filho R, Mello LE, Longo BM (Brazil)

p814 Lacosamide reduces spontaneous excitatory and inhibitory postsynaptic potentials and is anticonvulsant in an in vitro neocortical seizure model Krawczyk M, Florez CM, Lukankin V, Stern S, Valiante T, Carlen PL (Canada)

p815 Critical slowing and increased sensitivity to perturbations precede onset of epileptic seizures in vitro Jefferys JGR¹, Cmejla R², Device M², limpto Dl²

<u>Jefferys JGR</u>1, Cmejla R2, Paulus M2 Jiruska P12 ('United Kingdom, ²Czech Republic)

p816 An oscillation-based feature set for seizure-like events in human temporal neocortical slice <u>McGinn R</u>, Florez C, Lukankin V, Sugumar S, Dian J, Carlen P,

Zhang L. Valiante TA (Canada)

p817 Calcium binding proteins in focal cortical dysplasia type la <u>Kuchukhidze G', Trinka E',</u> Unterberger I', Luef G', Ortler M', Wieselthaler-Hölzl A', Becker A², Sperk G' ('Austria, 'Germany)

p818 Quantification of leucine-rich glioma-inactivated 1 (LGI-1) protein in surgical tissue from temporal lobe epilepsy (TLE) patients

<u>Gupta T</u>, Dominguez MDC, Hall JA, Rosa-Neto P, Guiot M-C, Kobayashi E (Canada)

p819 Up-regulation of downstream targets of metabotropic glutamate receptor type 5 (mGluR5) signaling pathway in temporal lobe epilepsy (TLE) hippocampal surgical tissue

<u>Dominguez MDC</u>, Guiot M-C, Hall JA, Rosa-Neto P, Kobayashi E (Canada)

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Poster session: Clinical neurophysiology B

p820 The origins of magnetism and its evolution into a non-invasive brain stimulation tool

<u>Rodrigues AM</u>¹, Lara Sanchez N² (¹United Kingdom, ²Spain)

p821 Diagnostic accuracy of the color density spectral array (CDSA) and amplitude-integrated electroencephalography (aEEG) for seizure identification in the adult neurology intensive care unit

<u>Yudan L</u>, Zan W, Hongmei M (China)

- p822 Cognitive effects of interictal epileptiform discharges in adult patients with epilepsy in China Yudan L, Hongmei M, Li C (China)
- p823 MEG can resolve paradoxical EEG lateralization: a case study
 <u>Gavaret M</u>, Badier J-M, Régis J,
 Bartolomei F, Bénar CG, Chauvel P
 (France)
- p824 Prediction of postoperative memory decline in patients with temporal lobe epilepsy using parahippocampal high gamma activity

 Kunii N. Kawai K. Kamada K. Ota

<u>Kunii N</u>, Kawai K, Kamada K, Ota T, Saito N (Japan)

p825 Discriminating preictal and interictal states using time irreversibility of the intracerebral EEG in patients with mesial temporal lobe epilepsy

<u>Gadhoumi K</u>, Lina J-M, Gotman J [Canada]

p826 Relationship between initial EEG and prognosis of acute encephalitis

<u>Nam S-O</u>, Oh J-M, Kong S-G, Lee Y-J, Yeon G-M, Kim Y-M (Korea, Republic of)

- p827 Evaluation of the EEG pattern of spike and slow wave discharges: spatiotemporal analysis Sobieszek A (Poland)
- p828 Semi-automatic detection of high frequency oscillations on scalp EEG of epileptic subjects Beaudry J, Melani F, Gotman J, Lina J-M (Canada)
- p829 Spatio-temporal features of rhythmic cortical activity in epilepsy due to chromosome ring 20

 Avanzini P, Vaudano AE, Vignoli A, Ruggieri A, Benuzzi F, Darra F, Mastrangelo M,
 Dalla Bernardina B, Nichelli PF, Canevini MP, Meletti S (Italy)
- p830 Interictal high frequency oscillations correlating with seizure outcome in patients with wide spread epileptic networks in tuberous sclerosis complex

<u>Okanishi T</u>¹, Akiyama T¹.², Ochi A1, Otsubo H¹ (¹Canada, ²Japan)

p831 Cardiac autonomic activity changes during electroconvulsive therapy

<u>Suzuki Y</u>, Miyajima M, Ohta K, Yoshida N, Okumura M, Nakamura M, Sasano T, Kawara T, Matsuura M, Matsushima E (Japan)

p832 Lateralization of generalized paroxysmal fast activity in children with intractable localization-related epilepsy Otsubo H1, Mohammadi M2,

Otsubo H¹, Mohammadi M², Okanishi T¹, Ochi A¹, Go ^c1, Snead C¹(¹Canada, ²Iran, Islamic Republic of)

p833 Postsurgical quantitative electroencephalograms in refractory temporal lobe epilepsy patients

Estrada Vinajera G, Morales Chacon L, Trapaga O, Bender del Busto J, Garcia Maeso I, Zaldivar Bermudez M, Sanchez Coroneaux A (Cuba)

p834 Focal electroencephalographic features in patients with idiopathic generalized epilepsy

<u>Hizem Y</u>, Ben Djebara M, Kacem I, Abdelkefi I, Gargouri-Berrechid A, Gouider R (Tunisia)

p835 Dual array EEG-fMRI

Klovach I¹, Medvedovsky M^{1,2}, Gazit T¹, Tsirelson B¹, Fahoum F¹, Aizenstein O¹, Ben-Bashat D¹, Artzi M¹, Kipervasser S¹, Veschev I¹, Ben-Zeev B¹, Kramer U¹, Neufeld M¹, Fried I^{1,3}, Hendler T¹ (¹Israel, ²Finland, ³USA)

p836 Are afterdischarges by cortical stimulation at seizure onset zones similar to clinical seizures? A study by subdural electrodes in partial epilepsy patients

<u>Kanazawa K</u>, Matsumoto R, Matsuhashi M, Kunieda T, Miyamoto S, Takahasi R, Ikeda A (Japan)

p837 The best event-related potential paradigm to detect pre-attentive abnormality in patients with temporal lobe epilepsy Hirose Y, Hara K, Miyajima M,

<u>Hirose Y</u>, Hara K, Miyajima M, Ohta K, Matsuda A, Maehara T, Hara M, Matsushima E, Matuura M (Japan)

p838 Automatic detection reveals that sleep state increase of HFO rates

*

depends on anatomic region

<u>Dümpelmann M</u>, Jacobs J,

Schulze-Bonhage A (Germany)

p839 Clinical and video-EEG study of a family with infantile convulsions



family with infantile convulsions and paroxysmal choreoathetosis (ICCA): neurophysiological considerations

<u>Gardella E</u>^{1,2}, Gellert P¹, Brix Kjelgaard D¹, Terney D¹, Steensbjerre Møller R¹, Hjalgrim H¹, Alving J¹, Beniczky S¹ (¹Denmark·²Italy)

p840 Changes of frontal lobe functions in patients with JME

Yao X, Sun W (China)

p841 Improved EEG source localization using a novel 3D sensor

Rampp S, Dalal SS, Willomitzer F, Arold O, Fouladi-Movahed S, Häusler G, Stefan H, Ettl S (Germany)

p842 Hippocampography and hippocampectomy in dominant lesional extrahippocampal temporal lobe epilepsy Ng MC, Kilbride R, Simon MV,

Eskandar E. Cole AJ (USA)

p843 Impact of sleep on localizing value of video EEG in patients with refractory focal seizures - a prospective video-EEG-polysomnography study Shukla SM, Shukla G, Behari M, Goyal V, Srivastava AK, Vibha D, Singh MB (India)

p844 Evaluation of automatic detection of high frequency oscillations (80-450Hz) in multiple types of recordings

Zelmann R¹, Jacobs J², Wu J³, Perucca P¹, Chatillon C-E¹, Mader M², Dubeau F¹, Mathern GW³, Gotman J¹ (¹Canada, ²Germany, ³USA)

p845 Wide-band detection and localization of normal high frequency oscillations in evoked response magnetic fields

Mosher JC, Hämäläinen MS, Nair DR, Alexopoulos AV, Burgess RC, So NK, Najm IM (USA)

p846 Analysis of ictal magnetoencephalography using Gradient magnetic-field topography (GMFT)

<u>Shirozu H</u>, Murakami H, Masuda H, Ito Y, Hashizume A, Kameyama S (Japan)

p847 Different clinical forms of eyelid myoclonia with and without absences: analysis of eyelid movements

Conceição PO, Uchida C, Guaranha M, Carvalho K, uilhoto L, Carrete H, Araújo Filho G, Caboclo LO, Yacubian EMT (Brazil)

p848 Network characteristics of spikeand-wave discharge in patients with juvenile myoclonic epilepsy <u>Jung K-Y, Kim S-M, Lee C</u> (Korea, Republic of)

p849 Patterns of brain connectivity in epileptic patients

Christodoulakis M, Papathanasiou ES, Hadjipapas A, Anastasiadou M, Papacostas SS, Mitsis GD (Cyprus)

p850 Stimulus amplitude effect in time and frequency on responses to single pulse electrical stimulation in stereoelectroencephalographic studies

> <u>Donos C</u>¹, Mindruta I¹, Ciurea J¹, Rasina A¹, Balanescu B¹, Barborica A^{1,2} [¹Romania. ²USA]

p851 The utility of ictal MEG as a complement to ictal EEG in epilepsy patients

<u>Ito S</u>^{1,2}, Alexopoulos AV¹, Wang ZI¹, Mosher JC¹, Burgess RC¹ (¹USA, ²Japan)

p852 Effect of cognitive stimulation on hippocampal ripples in epileptic patients

<u>Brazdil M</u>¹, Cimbalnik J¹, Roman R¹, Stead M², Daniel P¹, Halamek J¹, Jurak P¹ (¹Czech Republic, ²USA)

p853 Single unit recordings during a virtual water-maze navigation task

Robbins AA¹, Titiz AS¹, Jobst BC1, Scott RC^{1,2}, Lenck-Sentini P-P¹, Holmes GL¹ (¹USA, ²United Kingdom)

p854

Seizure source imaging by means of dipole localization to differentiate mesial and

neocortical temporal lobe epilepsy

<u>Lim ET</u>, Kovac S, Wehner T, Lemieux L, Diehl B (United Kingdom)

p855 Seing the invisible: a simultaneous EEG-SEEG recordings study of medial temporal lobe interictal epileptic generators

> Koessler L, Cecchin T, Jonas J, Vignal J-P, Colnat-Coulbois S, Vespignani H, <u>Maillard LG</u> (France)

p856 Usefulness of video-EEG monitoring in children

Espinosa AN, Marina A, Brenda G, Comas B, Maxit C, Vaccareza M, Agosta G, Silva W (Argentina)

p857 Lateralising value of barbiturate suppression tests in childhood epilepsies

<u>Tan HJ</u>, Clark M, Neville B, White S (United Kingdom)

p858 Utility of the photo-paroxysmal response in clinical practice and proof of concept research; stability of the photoparoxysmal response over the day

<u>Kasteleijn-Nolst Trenité D</u>^{1,2},
Timmings P³, Holford N³,
Reed RC⁴ ['Italv. 2Netherlands.

³New Zealand, ⁴USA)

p859 Simultaneous recording of intracranial EEG, scalp EEG and MEG: initial case study

<u>Dubarry A-S</u>, Badier J-M, Trébuchon-Da Fonseca A, Gavaret M, Bartolomei F, Caron R, Liégeois-Chauvel C, Régis J, Chauvel P, Alario F-X, Bénar C (France)

p860 Infraslow activity and Ictal onset baseline shifts: report of five paediatric cases

> <u>Bello-Espinosa LE</u>, Buchhalter J, Rho J, Scantlebury M, Datta A, Hader W (Canada)

p861 Comparison of photoparoxysmal responses during intermittent photic stimulation with increasing and decreasing frequencies

<u>Kendirli MT</u>, Tekeli H, Senol MG, Togrol E, Ozdag F (Turkey)

p862 Photosensitivity and cardiovascular abnormalities El-Hagrassy MM, Beach R (USA)

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Poster session: Epidemiology

p863 Is parental consanguinity a risk factor for epilepsy? A case control study assessing epilepsy risks in southern Saudi Arabia

<u>Babtain F</u>', Al Shahrani A', Assiri ^{K1}, Al Kahaili ^{A1}, Bhatia H1, Velmurugan M¹, Al Kuwari M² ('Saudi Arabia, ²Qatar)

p864 Early recurrent seizures and death in HIV+ Zambian adults with new onset seizure

> Birbeck GL^{1,2}, Siddiqi O^{1,2}, Elafros M¹, Sikazwe I¹, Theodore W¹, Kalungwana L⁴, Koralnik IJ¹, Bositis C¹ (¹USA, ²Zambia)

p865 Prehospital Epilepsy Emergency Score (PEES) for differential diagnosis in emergency care Knieß T, Ziegler V, Kippnich U, Griewing B, Stefan H (Germany)

p866 Prevalence and risk factors for active convulsive epilepsy in sub-Saharan Africa: cross-sectional and case control studies

Ngugi AK, SEEDS group (Kenya)

p867 The epilepsy register in Tibet, China and a related epidemiological survey

> Yuhua Z¹, D'Souza W², Qin Z¹, Jianzhong W¹, Xuejun H¹, Shichuo L¹, Dong Z¹ (¹China, ²Australia)

p868 Predicting the presence of family history of epilepsy in patients with epilepsy

<u>Babtain F</u>, Bhatia H, Velmurugan M (Saudi Arabia)

p869 Canadian longitudinal study of aging-epilepsy algorithm: a proposed tool for detecting epilepsy in population-based studies

<u>Keezer MR</u>, Pelletier A, Jette N, Wolfson C (Canada)

p870 Long-term mortality in poor health and low income Americans with epilepsy

> <u>Kaiboriboon K</u>, Schiltz N, Bakaki P, Lhatoo S, Koroukian S (USA)

p871 Epilepsy prevalence in Adana Centrum

<u>Balal M</u>, Aslan K, <u>Bozdemir H</u>, Demir T (Turkey)

p872 A systematic review of screening tools for the identification of subjects with epilepsy in population-based research

<u>Keezer MR</u>, Wolfson C (Canada)

p873 Comorbidities and group comparisons of epilepsy-caused mental disability in China

Yang R, Zheng X, Tian D, Chen G, Chen S (China)

p874 Prevalence and treatment gap
of active convulsive epilepsy:
a large community-based survey
in rural West China
Si Y, Hu J, Liu L, Zhou D (China)

p875 Prevalence of depression and its impact on quality of life in patients with refractory focal epilepsy (IMDYVA Study)

<u>Gil-Nagel A</u>, Garcia-Morales I, Garcia-Garcia E (Spain)

p876 Epilepsy: analysis of nutritional status and serum vitamin D level (vit D)

<u>Godet B</u>, Jésus P, Pouchard L, Villeuneuve O, Marcon C, Lebeau F, Gimenez L, Preux P-M, Desport J-C, Couratier P (France)

p877 Somatic comorbidities of epilepsy: what are the risk factors?

Novy J¹, Bell GS¹, Sisodiya SM¹, Sander JW^{1,2} (¹United Kingdom, ²Netherlands)

p878 Epidemiologic profile of acute symptomatic seizures in the medical wards of a tertiary health facility in southeast Nigeria Nwani PO, Nwosu CM, Asomugha LA, Enwereji KO (Nigeria)

p879 Temporal trends of paediatric epilepsy surgery in the USA: 1997-2009

<u>Pestana Knight EM</u>, Schiltz NK, Bakaki P, Koroukian SM, Kaiboriboon K (USA)

p880 Obesity and epilepsy: possible factors affecting co-morbidity

<u>Risse GL</u>¹, Penovich PE¹, Jones-Gotman M² (¹USA, ²Canada)

p881 The health status of adults with epilepsy and intellectual disability in Quebec

<u>Kerr M</u>¹, Merineau-Cote J², Morin D², Tasse M³, Ouellette-Kuntz H² (¹United Kingdom, ²Canada, ³USA)

p882 Epilepsy and co-morbid disorders in Canadian children: data from the National Longitudinal Study of Children and Youth Prasad AN, Burneo J, Corbett B [Canada]

p883 Prevalence of nocturnal frontal lobe epilepsy in adults in two provinces of Northern Italy Mostacci B, Vignatelli L, Bisulli F, Giovannini G, Broli M, Leta C, Provini F, Tinuper P, Meletti S (Italy)

p884 The spontaneous remission of untreated epilepsy in rural areas in Tibetan areas <u>Mu</u> J, Liu L, Zhao Y, Zhou D, Li S, Wu J (China)

p885 Visits for seizures to an emergency room in a large community hospital: demographic and clinical characteristics Friedman DE, Ye S, Patrick P, Rosenthal B (USA)

p886 Epilepsy in the era of HIV/AIDS <u>Mbugua RN, Bukusi EA,</u> Waqura AW, Benson EB (Kenya)

p887 Prevalence of epilepsy in a cohort of patients with multiple sclerosis <u>Uribe R, Ciampi E, Suarez F, Godoy J, Cárcamo C (Chile)</u>

p888 Serological analysis of Toxocara canis antibodies in children with epilepsy

<u>Huerta R</u>, Hernández J, Caballero MDL, Benjamín N, Jimenez E (Mexico)

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Poster session: Epilepsy surgery C

p889 Localization value of periictal vegetative signs in focal epilepsies: a nonivasive video-EEG study

Vojvodic NM, Ristic AJ, Bascarevic V, Parojcic A, Jankovic S, Kovacevic M, Brajkovic L, Zovic L, Sokic D (Serbia)

p890 Direct cortical stimulation: a tool for resection of brain lesions in eloquent cortex

Zorro O (Colombia)

p891 Stereotactic MRI-guided laser ablation of epileptogenic foci in children

Wilfong AA, Shetty A, Curry DJ [USA]

p892 Calcified neurocysticercus lesions (CNL) and drug resistant epilepsy: surgically remediable syndrome?

Rathore C, Thomas B, Kesavadas C, Abraham M, Radhakrishnan K (India)

p893 Efficacy of MRI-guided stereotactic radiofrequency thermocoagulation for 82 intractable epilepsy patients with hypothalamic hamartoma Murakami H, Kameyama S, Masuda H, Shirozu H, Ito Y (Japan)

p894 Long-term prognosis after resective epilepsy surgery failure Ryzí M, Brázdil M, Novák Z, Chrastina J, Hemza J, Ošlejšková H, Rektor I, Kuba R (Czech Republic)

p895 The role of intraoperative electrocorticography in detection of focal cortical dysplasia associated with hippocampal sclerosis

Elisak M, Krysl D, Janca R,Jezdik P, Zamecnik J, Mohapl M, Jiruska P, Marusic P (Czech Republic)

p896 Epilepsy surgery in paediatric intractable epilepsy with destructive encephalopathy Park SY, Yu R, Kang JW, Kwon HE, Kim DS, Kang H-C, Lee JS, Kim HD (Korea, Republic of)

p897 Diagnostic benefit of invasive EEG recordings to clarify mesiotemporal epileptogenesis

Schulze-Bonhage A, Altenmüller D-M, Fauser S, Trippel M, Freiman T, Staack AM, Steinhoff B, Bast T, Wiegand G, Chatzikonstantinou A, Leonhardt G, Hammen ET, Ramantani G, Gierschner C, Wagner K, Zentner J (Germany)

p898 Surgical outcome in patients with MRI-negative, PET-positive temporal lobe epilepsy Yıldırım Capraz I, Bilir E, Kurt G, Akdemir O, Hirfanoglu T, Serdaroglu A, Kapucu O, Oner Y (Turkey)

p899 Lateralizing value of temporal neocortical apparent diffusion co-efficient (ADC) and T2 relaxometry values in mesial temporal lobe epilepsy with hippocampal sclerosis Hingwala D, Rathore C, Jagtap S, Gautam N, Abraham J, Kesavadas C, Radhakrishnan K (India)

p900 Safety and efficacy of intracranial EEG monitoring: the Queen Square experience from 2008 -2012

Chinnasami S, Rydzewski S, Scott C, Curtis C, McEvoy A, Rugg-Gunn F, Eriksson S, Sander L, Sisodiya S, Walker M, Shorvon S, Duncan JS, Diehl B, Wehner T (United Kingdom)

p901 Preoperative estimation of seizure control after resective surgery for the treatment of epilepsy

Alarcon G1,2, Valentin A1, Kumar A¹, Humayon D¹, Lonbottom A1. Mullatti N1. Elwes RDC¹, Bodi I¹, Honavar M¹, Jarosz J¹, Selway RP¹, Polkey CE¹, Malik I¹ (¹United Kingdom, ²Spain)

p902 Value of magnetoencephalography to guide electrode implantation in epilepsy

Seri S1, Agirre-Arrizubieta Z1, Thai JN¹, Furlong PL¹, Selway RP1, Elwes RD1, Alarcon G1,2 (1 United Kingdom, ²Spain)

p903

Immediate improvement of motor function after epilepsy surgery for congenital hemiparesis: plasticity versus release of function

Pascoal TA, Paglioli Neto E, Torres C, Hemb M, Paglioli E, Palmini A (Brazil)

Interictal estimation of p904 intracranial seizure onset in temporal lobe epilepsy

Valentin A¹, Alarcon G¹, Barrington S¹, García Seoane JJ², Martín-Miguel MC², Selway RP¹, Koutroumanidis M¹ (1United Kingdom, 2Spain)

p905 Late onset amnesia after temporal lobectomy

Salmon A, Hayman-Abello B, Connolly B. McLachlan R (Canada)

p906 Cortical dysplasia along with another pathology: surgical temporal lobe epilepsy series Buentello García RM, Daniel SJO, Horacio SM. Juana VH. Carlos CM. Jesus CM, Mauricio MP, Erika BM, Alonso Vanegas MA (Mexico)

p907 Surgical treatment of intractable paediatric epilepsy using thermal laser ablation

Miller I, Ragheb J, Hyslop A, Bhatia S, Jayakar P, Resnick T, Duchowny M (USA)

p908 Depth electrode investigation and focused laser thermal therapy for primary insular seizures Wang Q1,2, Hogan RE2 [1China, 2USA]

p909 Seizure and developmental outcomes after hemispherotomy for refractory epilepsy in childhood and adolescence

Ramantani G, Kadish NE, Brandt A, Strobl K, Stathi A, Wiegand G, Schubert-Bast S, Mayer H. Wagner K. Korinthenberg R, Stephani U, van Velthoven V. Zentner J. Schulze-Bonhage A, Bast T (Germany)

p910 Epilepsy surgery in the hospital San Juan de Dios in Guatemala

Garcia Bautista VG, Stokes H, Sanchez Bravo W (Guatemala)

- p911 Effect of deep brain stimulation in epilepsy (DBS-E) on sleep quality and sleep structure; stimulation of the anterior nucleus thamalicus, ANT, using the stimulatersystem "ACTIVA" by MEDTRONIC, USA Voges B, Epilepsy Study Group Hamburg (Germany)
- p912 Intracranial electrographic patterns at seizure onset as prognostic factors for epilepsy surgery

<u>Jimenez-Jimenez D^{1,2}</u> Nekkare R¹, Valentin A¹, Selway RP¹, Alarcon G^{1,3} (¹United Kingdom, ²Ecuador, ³Spain)

p913 The effects of vagal nerve stimulation on generalized-partial seizure count and medical treatment in adult drug resistant epilepsy patients

Ozdogan S, Nurhat RH,
Duzkalir AH, Sabuncuoqlu H,

Gokcil Z, Erdogan E (Turkey)

p914 Impact of seizure frequency on improvement in quality of life in medically and surgically treated patients with epilepsy: results from a randomized controlled trial Wiebe S¹, Fiest K1, Dykeman J¹, Parrent A¹, Eliasziw M²

[1Canada, 2USA]

p915 A surgical method for safely implanting large subdural electrode arrays in children

Baumgartner JE, Lee KH, Waller A,
Chen P, Korostenskaja M,
Westerfeld M, Salinas C, Cook J
(USA)

- p916 Vertical perithalamic
 hemispherotomy in paediatric
 catastrophic epilepsy: a single
 center experience of 38 children
 Dorfer C, Czech T, Mühlebner A,
 Gröppel G, Dressler A,
 Reiter-Fink E, Traub-Weidinger T,
 Kasprian G, Feucht M (Austria)
- p917 Surgery for extratemporal focal cortical dysplasia following a non-invasive presurgical protocol: the Porto Alegre series

 Palmini A, Paglioli Neto E,
 Camargo D, Pascoal TA, Filho JR,
 Torres C, Hemb M, da Costa JC,
 Paglioli E (Brazil)
- p918 "From the back": posterior
 callosotomy for the treatment of
 drop attacks the first 30 patients
 undergoing a novel surgical
 approach
 Paglioli Neto E, Pinos L,
 Salles C, Hemb M, Severino RF,

<u>Paglioli Neto E</u>, Pinos L, Salles C, Hemb M, Severino RF, Azambuja N, Paglioli E, da Costa JC, Palmini A (Brazil)

p919 Temporal lobe tumours with refractory epilepsy: seizure and neuropsychologycal surgical outcome

Marinho MM, Noffs MHS, Comper SM, Carrete Jr H, Sandin G, Caboclo LO, Yacubian EM, Cavalheiro S, Centeno RS (Brazil)

p920 Epilepsy surgery in Guatemala: our experience in six years Lara JC, Pérez JM, Galvez H, Ramirez G, Leon J, Jerez A, Pineda V. Rodenas G (Guatemala)

p921 A randomized controlled trial of cathodal transcranial direct current stimulation in patients with multifocal epilepsy refractory to pharmacological treatment

<u>San-Juan D¹</u>, Maldonado LB¹, Garduño AJO¹, González-Aragón MF¹, Pathmanathan JS², Trenado C³, Fregni F² (¹Mexico, ²USA, ³Germany)

p922 Prognosis and morbimortality in epilepsy surgery using grid (ECoG) or depth (SEEG) electrodes or both (ECoG +SEEG)

> Comas B, Benech D, Aberastury M, Besocke A, Maineri C, Ciraolo C, Garcia M, Silva W (Argentina)

- p923 Multicenter experience with minimally invasive stereotactic laser thermal amygdalohippocampotomy for mesial temporal lobe epilepsy Willie JT, Gross RE, Mehta A, Sharan A, Sperling MR, Curry DJ, Wilfong A, Marsh WR, Danish SF, Wong S, Weinand M, Langevin JP, Labiner D, Couture D, Tandon N, Kalamangalam G (USA)
- p924 Clinical results in surgical treatment of refractory epilepsy in San Ignacio Hospital: 3 year retrospective study

 Zorro OF, Nariño D, Diaz LC,
 Acevedo JC, Berbeo M, Feo O,
 Diaz R (Colombia)

p925 Clinical outcome during sequential chronic stimulation of the nucleus accumbens and the anterior thalamus for pharmacoresistant epilepsy - 1st part: 6 month stimulation of the nucleus accumbens

Schmitt FC, Voges J, Buentjen L, Zaehle T, Bohlmann K, Stefan H, Oltmanns F, Heinze H-J, Holtkamp M, Kowski A (Germany)

p926 Report of 9 clinical cases: functional Hemispherectomy for epilepsy refractory to medical management Zorro OF, Nariño D, Diaz LC, Acevedo JC, Diaz R, Berbeo M,

p927 Epilepsy surgery in the Dominican Republic

Feo O (Colombia)

<u>Santos Viloria D</u>, Bido J, Tusen L, Llorente G, Paliza J, Cabrera J (Dominican Republic)

- p928 Provocative test by electrical stimulation of the entorhinal area predicts memory impairment following mygdalohippocampectomy Khoo HM, Kishima H, Tani N, Oshino S, Maruo T, Yanagisawa T, Hirata M, Katou A, Yoshimine T (Japan)
- p929 Experience in epilepsy surgery in paediatric patients with refractary epilepsy in Mexico

 <u>Alva EM</u>, Soledad RF, Antonio GG [Mexico]
- p930 Surgical resection of highfrequency oscillation regions predicts favorable outcome in neocortical epilepsy Hong SB¹, Cho JR¹, Kim JH¹, Hong SC¹, Jiruska P², <u>Hwang KJ¹</u> [¹Korea, Republic of, ²Czech Republic]

WEDNESDAY 26TH JUNE

Poster session: Genetics B

p931 Pitfalls in diagnostic sequencing: the story of SCN1A mutations being missed in Dravet syndrome

Suls A¹, Jaehn J², Carvill GL³, Djémié T¹, Weckhuysen S¹, von Spiczak S², Lehesjoki A-E⁴, Linnankivi T⁴, Anttonen A-K4, Serratosa JM⁵, Guerrero-López R⁵, Giraldez BG⁵, Lemke J⁴, Møller RS², Hjalgrim H², Mc Mahon J˚, Hämäläinen E⁴, Gormley P˚, Palotie A⁴, Mefford HC³, Scheffer IE˚, De Jonghe P¹, Helbig I², EuroEPINOMICS RES CRP (¹Belgium, ²Germany, ³USA, ⁴Finland, ⁵Spain, ⁴Switzerland, ²United Kingdom)

p932 Autosomal dominant nocturnal frontal lobe epilepsy confirmed genetically in ten patients

<u>Hanakova P</u>, Kuba R, Chovancikova M, Fajkusova L, Ošlejšková H (Czech Republic)

p933 Evidence pointing to failure in neuroglial differentiation in focal cortical dysplasia (FCD) type II

Avansini SH, Torres FR, Dogini DB, Rogério F, Coan AC, Secolin R, Queiroz LS, Oliveira EPL, Tedeschi H, Cendes F, Lopes-Cendes I (Brazil)

p934 Epilepsy-aphasia spectrum disorders are caused by mutations in GRIN2A

Carvill GL¹, Regan BM², Yendle SC², OʻRoak BJ¹, Khan A¹, Cook J¹, Sadleir LG³, Turner SJ², Tsai M-H², Webster R², Ouvrier R², Damiano J², Berkovic SF², Shendure J¹, Hildebrand M², Scheffer IE², <u>Mefford HC</u>¹ (¹USA, ²Australia, ³New Zealand)

p935 Treatment outcome of genetic 7p21.3 deletion with EEG abnormalities and autism phenotype in a 5-year old male Chez M, Lepage C, Caffery S (USA)

p936 Whole exome sequencing identifies the novel gene

(Myoclonin 4) in childhood absence epilepsy with eyelid myoclonia evolving to juvenile myoclonic epilepsy

Tanaka M¹, Bailey JN¹, Alonso ME², Martinez-Juarez l², Ochoa A², Jara-Prado A², Medina M³, Duron R³, Bai D¹, Ferreira-Guilhoto LM⁴, Yacubian EM⁴, Delgado-Escueta AV¹ l¹USA. ²Mexico. ³Honduras ⁴Brazil)

p937 Identification of ATP1A3 mutations by exome sequencing as the cause of alternating hemiplegia of childhood in Japan

<u>Ishii A</u>, Saito Y, Mitsui J, Ishiura H, Yoshimura J, Arai H, Yamashita S, Kimura S, Oguni H, Morishita S, Tsuji S, Sasaki M, Hirose S (Japan)

p938 The clinical and genetic features of autosomal dominant lateral temporal lobe epilepsy in Italy

Michelucci R, Pasini E,
Malacrida S, Striano P,
Di Bonaventura C, Bisulli F,
Gambardella A, Parmeggiani A,
Coppola G, Giallonardo AT,
Mecarelli O, Tinuper P,
Fanciulli M, Nobile C (Italy)

p939 Single nucleotide polymorphisms in genes related to inflammation molecules in Mexican patients with drug-resistant epilepsy Toral-Rios D, Alonso-Vanegas M, Villeda-Hernández J.

Campos-Peña V (Mexico)

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p940 Investigating the role of microglial activation mediated by microRNA-124 in the pilocarpine epilepsy model

<u>Matos AHB</u>, Charret TS, Pascoal VDB, Vieira A, Gilioli R, Lopes-Cendes I (Brazil)

p941 Deep brain stimulation for the management of seizures in MECP2 duplication syndrome Nascimento FA^{1,2}, Faghfoury H²,

Krings T², <u>Ali A</u>², Fridhandler JD², Lozano A², Wennberg R², Andrade DM² ('Brazil, 'Canada)

p942 CLN6 mutations cause teenageonset progressive myoclonus epilepsy

Andrade DM¹, Paton T¹, Turnball J¹, Klein C², Marshall CR¹, Scherer SW¹, Minassian BA¹ (¹Canada, ²Germany)

p943 Dravet syndrome: seizure control and gait in adults with different SCN1A mutations

Rilestone J¹, Coelho FM^{1,2}, Minassian BA¹, <u>Andrade DM</u>¹ (¹Canada,²Brazil)

p944 Mesial temporal lobe epilepsy and serotonin: the role of HTR2A receptor

Chaves J, Leal B, Carvalho C, Bettencourt A, Bras S, Barreira A, Boleixa D, Martins da Silva A, Costa PP, Martins da Silva B (Portugal)

p945 Hemimegalencephaly: adult evolution

Wu N, <u>Ali A</u>, Krings T, Andrade DM (Canada)

p946 Aicardi syndrome: long-term evolution

<u>Ali A</u>, Wu N, Andrade DM (Canada)

p947 Extending the spectrum of KCNQ2 encephalopathy: description of 11 additional patients

Weckhuysen S^{1,2}, Ivanovic V³, Hendrickx R¹, Van Coster R¹, Hjalgrim H⁴, Møller RS⁴, Grønborg S⁴, Schoonjans A-S¹, Ceulemans B¹, Heavin S⁵, Eltze C⁶, Horvath R⁶, Pisano T⁷, Casara G⁷, Crompton DE5, Giordano L⁷, Guerrini R⁷, Angriman M⁷, Scheffer I⁵, Striano P⁷, Marini C⁷, Suls A¹, De Jonghe P¹, EuroEPINOMICS RES CRP (¹Belgium, ²Netherlands, ³Croatia, ⁴Denmark, ⁵Australia, ⁶United Kingdom, ⁷Italy)

p948 Nocturnal frontal lobe epilepsy (NFLE): clinical and genetic characterization of a large cohort

<u>Bisulli F</u>¹, Licchetta L¹, Berkovic S², Marini C¹, Heron S², Dibbens L², Naldi I¹, Di Vito L¹, Conti V¹, Giuseppe P¹, Provini F¹, Tinuper P¹ (¹Italy, ²Australia)

p949 APOE isoforms in focal epilepsies: an association study in a Portuguese population

Martins da Silva A, Leal B, Chaves J, Carvalho C, Bettencourt A, Branco RC, Ferreira J, Costa PP, Martins da Silva B (Portugal)

p950 The role of SCL2A1 in myoclonic astatic epilepsy and severe absence epilepsy with variable onset

Møller RS¹, Larsen J¹, von Spiczak S², Neubauer BA², Kleiss R², Muhle H², Nikanorova M1, Jepsen B¹, Tommerup N¹, Stephani U², Helbig I², Hjalgrim H¹ (¹Denmark, ²Germany)

p951 Extending the phenotypic spectrum associated with PCDH19 mutations: description of six affected females

<u>Hjalgrim H</u>¹, Nikanorova M¹, Nielsen JEK¹, Søndergård M¹, Dibbens LM², Scheffer IE², Møller RS¹ ('Denmark, ²Australia)

p952 Epilepsy associated with rare chromosomal abnormalities

Budisteanu M, Tutulan-Cunita A, Papuc SM, Craiu D, Iliescu C, Minciu I, Barca D, Burloiu C, Arghir A (Romania)

p953 Clinical and genetic aspects in children with Dravet syndrome. Romanian experience of 3 years of research

Craiu D¹, Budisteanu M¹, Dica A¹, Barca D¹, Iliescu C¹, Motoescu C¹, Tarta-Arsene O¹, Bacos I¹, Vintan M1, Deconinck T², Arvid S², Weckhuisen S², De Jonghe P², Barbarii L¹, Iancu D¹, Iancu B¹, Minciu I¹, Burloiu C¹, Butoianu N¹, Leanca M¹, Anghelescu C¹, Sandu C¹, Neagu E¹, Moisa G¹, Cardas R¹, Costea R¹, Huniadi D¹, Romanian Research Group for Rare Genetic Epilepsies, Romanian Epilepsy Network, RES Consortium EuroEpinomics (¹Romania, ²Belgium)

p954 Polymorphisms in genes of TAU protein, GSK3 and Hsp70, as potential markers of risk in the development of temporal lobe epilepsy and mesial sclerosis

Alonso-Vanegas M, Bravo-Ávila HE, Toral-Rios D, Villeda-Hernández J, Campos-Peña V (Mexico)

p955 Clinical phenotypes, epilepsy and genetics in a cohort of 52 patients with non syndromic and syndromic polymicrogyria

Amrom DR¹, Michaud J¹,
Mitchell G¹, Lemyre E¹, Poduri A²,
Partlow J², Ganesh V², Dan B³,
Kuchukhidze G⁴, Unterberger I⁴,
Trinka E⁴, Deconinck N³,
Christophe C³, Pichon B³,
Heshmati Moghaddam M¹,
Dubeau F¹, Tampieri D¹,
Décarie J-C¹, Dobyns WB²,
Walsh CA¹, Andermann F¹,
Andermann E¹ (¹Canada, ²USA,
³Belgium, ⁴Austria)

p956 Some cases of juvenile myoclonic epilepsy are genetically related to progressive myoclonic epilepsy <u>Jaworski M, Wasslen Y</u> [Canada]

p957 QARS: a candidate gene in familial malignant migrating partial seizures of infancy

Barcia G¹, Ville D¹, Coppola G², Kaminska A¹,Nitschke P¹, Casanova JL3, Munnich A¹, Dulac O¹, Colleaux L¹, Nabbout R¹ (¹France, ²Italy, ³USA)

p958 A novel heterozygous mutation in sodium channel subunit beta-1 (SCN1B) involved in generalized epilepsy with febrile seizures plus (GEFS+) patient

Zahoor MY, Waseem M (Pakistan)

WEDNESDAY 26TH JUNE

Poster session: Neuroimaging B

p959 In vivo and ex vivo MR relaxometry changes in TLE are associated with tissue astrogliosis

<u>Peixoto-Santos JE</u>, Velasco TR, Assirati JA, Carlotti CG, Scandiuzzi RC, Salmon CEG, Santos AC, Leite JP (Brazil)

p960 A resting state fMRI study in nonlesional epilepsy patients Fu X (China)

p961 Hippocampal subfield segmentation on sub-millimetric MRI at 3 Tesla

<u>Kulaga-Yoskovitz J</u>, Bernasconi N (Canada)

p962 Intermittent light stimulationdependent CBF changes in photosensitive and control baboon Salinas FS, <u>Szabó CÁ</u>, Franklin C, Leland MM, Fox PT, Narayana S (USA)

p963 Voxel-based morphometry analysis in partial epilepsy: significance of thalamic involvement in medial temporal lobe epilepsy Kim SE, Hwang TG

(Korea, Republic of)

p964 To what extent is incomplete hippocampal inversion related to epilepsy?

<u>Sasso E</u>, Mutti C, Delaj L, Cerasti D, Florindo I, Crisi G (Italy)

p965 Reliability of fMRI test-retest findings during verbal and nonverbal learning in healthy subjects

> Sodums D¹, Jones-Gotman M¹, Banks SJ², Sziklas V¹ (¹Canada, ²USA)

p966 Functional Near Infrared Spectroscopy-EEG study of interictal spikes

<u>Peng K</u>, Nguyen DK, Tayah T, Vannasing P, Tremblay J, Sawan M, Lesage F, Pouliot P (Canada)

- p967 Occurence of epileptic seizures after the administration of iv contrast media in neuroimaging Papaliagkas V, Kazis DA, Lialias I, Vlaikidis N (Greece)
- p968 Development of tools for brain mapping of eloquent cortex: data from healthy subjects and patients with epilepsy

 Moulton E, Mok K, Chen J-K, Hall J, Olivier A, Klein D (Canada)
- p969 Asymmetry of planum temporale predicts language lateralization in children with left-sided symptomatic focal epilepsy Pahs G¹, Rankin P², Cross JH², Croft L², Vargha-Khadem F², Baldeweg T² (¹Austria, ²United Kinadom)
- p970 Retrospective quantitative analysis of MRI from nonlesional epilepsy surgery candidates

 Tremblay N-S, Tucholka A,
 Leroux J-M, Guillon-Létourneau L,
 Nguyen DK (Canada)
- p971 Comparison of two normalization methods of epilepsy patients MRI after surgery

Shida CS, Santos ACD, Salmon CEG, Leite JP, <u>Ide JS</u> (Brazil)

p972 Surface-based mapping of local structure-function relationships in temporal lobe epilepsy

<u>Bernhardt BC</u>^{1,2}, Bernasconi N¹

[¹Canada, ²Germany]

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p973 Brain functional modularity in temporal lobe epilepsy

<u>Laurs H</u>^{1,2}, Rodionov R², Brodbeck V¹, Thornton R², Duncan JS², Lemieux L², Tagliazucchi E¹ (¹Germany, ²United Kingdom)

p974 Methodological procedure to identify anatomical location of depth electrodes in the clinical evaluation of epilepsy surgery candidates based on open source software

> <u>Princich J</u>¹, Wassermann D², Kochen S¹ (¹Argentina, ²USA)

p975 The dorsal hippocampal commissure in temporal lobe epilepsy

Becerra Zegarra A, Khan A, De Ribaupierre S, Burneo J, Terry P, Steven D (Canada)

p976 Reorganisation of memory circuits in temporal lobe epilepsy (TLE) demonstrated on pre-and postoperative functional MRI

study: right TLE does better <u>Limotai C</u>, McLachlan R, Hayman-Abello S, Hayman-Abello B, Brown S, Bihari F, Mirsattari S (Canada)

p977 Graph analysis of resting state fMRI data reveals reduced connectivity from bilateral phonological analysis regions and right inferior frontal gyrus in focal epilepsy patients with reading difficulties

Tailby C, Jackson GD (Australia)

p978 Regional differences in thalamic involvement in Lennox Gastaut syndrome

<u>Archer J</u>, Warren A, Abbott DF, Masterton R, Jackson G (Australia)

p979 Automatic dissection and structural connectivity of the limbic system

Lacerda L^{1,2}, Dell'Acqua F², Manaças R¹, Gonçalves-Pereira P¹, Henriques R¹, Andrade A¹, Nunes R¹, Ferreira H¹ (¹Portugal, ²United Kingdom)

p980 Magnetization transfer ratio can lateralize hippocampal sclerosis

<u>Santos AC</u>, Diniz PRB, Salmon CEG, Escorsi-Rosset SR, Velasco TR, Leite JP, Sakamoto AC (Brazil)

p981 Comparative study of 4-ExSo-MUSIC, s(w)LORETA, and MUSIC performances for distributed EEG source localization (ESL) Birot G, Albera L, Nica A,

Birot G, Albera L, Nica A, Biraben A, Wendling F, <u>Merlet I</u> (France)

p982 Focal cortical dysplasia: MRI and histopathology of 83 cases

<u>Santos AC</u>, Simao GN, Velasco TR, Ozaki JTR, Escorsi-Rosset SR, Pittella JEH, Serafini LN, Sakamoto AC (Brazil)

p983 Motor system hyper-excitability in siblings of patients with juvenile myoclonic epilepsy Wandschneider B, Centeno M, Vollmar C, Symms M, Thompson P, Duncan JS, Koepp MJ

(United Kingdom)

aura"

p984 Mapping and volumetry of Heschl's gyrus by voxel based morphometry aids in planning temporal lobe resection in patients with "TLE with auditory

> Radhakrishnan A, James JS, Madhusoodanan M, Thomas B, Kesavadas C, Abraham M, Radhakrishnan K (India)

p985 Tractography-based cortical clustering

<u>Besson P</u>, Carrière N, Leclerc X, Derambure P, Tyvaert L (France)

p986 Mapping fiber density on subcortical structure surface models

<u>Besson P</u>, Carrière N, Leclerc X, Derambure P, Tyvaert L (France)

p987 Contribution of magnetic resonance imaging in research of etiology of epilepsy

Abed A, Ba S, Seck LB, Ouldmohamedlemine S, Diop AN, Diop AD, Niang E (Senegal)

p988 Diffuse gray matter atrophy differs in right and left mesial temporal lobe epilepsy

<u>Oliveira MC</u>, Coan AC, Campos B, Yasuda CL, Cendes F (Brazil)

p989 In vivo metabotropic glutamate receptor type 5 (mGluR5) abnormalities in patients with periventricular heterotopia

<u>Dubois J</u>, Rowley J, Rosa-Neto P, Kobavashi E (Canada)

p990 T2 hypersignal in patients with mesial temporal lobe epilepsy with and without hippocampal

sclerosis

Kubota BY, Coan AC, <u>Cendes F</u> [Brazil]

p991 Finding the occult: surface-based morphometry and machine learning aids in the detection of "MRI-negative" focal cortical dysplasia

Thesen T, Ahmed B, Carlson C, Kuzniecky R, Quinn B, Blackmon K, Brumm J, Khan O, Chao C, Devinsky O, French J, Brodley CE (USA)

p992 White matter integrity in TLE patients with and without family history of epilepsy

Yasuda C¹, Beltramini GC¹, Liu M², Campos BM¹, Morita ME¹, Coan AC¹, Araujo PV¹, Lopes-Cendes I¹, Cendes F¹, Beaulieu C², Gross DW2 (¹Brazil, ²Canada)

p993 Evaluation of effective connectivity of language network in patients with temporal lobe epilepsy

Xiao F, Chen Q, Gao Q, Huang X, Lui S, Tang H, Wu X, Yu X, Gong Q, Zhou D (China)

p994 Regional and functional connectivity alterations in temporal lobe epilepsy after

(China)

(NLRICE)

surgery: a longitudinal restingstate fMRI study Chen Q, Yu X, Zhou B, Tang Y, Wang Y, Tang H, Gong Q, Zhou D

p995 Value of automated cortical thickness analysis in detection of occult epileptogenic lesions in MRI of patients with nonlesional refractory insular cortex epilepsy

> <u>Jamali S</u>, Tucholka A, Leroux J-M, Bouthillier A, Guillon-Létourneau L, Dang Khoa N (Canada)

p996 Progressing the White matter changes associated with surgery on temporal lobe epilepsy

Yu X, Chen Q, Zhou B, Tang Y, Wang Y, Tang H, Xiao F, Huang X, Gong Q, Zhou D (China)

p997 Resting state functional connectivity predicts post-surgical cognitive outcome in anterior temporal lobectomy patients

Winstanley FS, Arora J, Komondoros S, Kamzik JS, Spencer DD, Constable RT (USA)

WEDNESDAY 26[™] JUNE

Poster session: Neuropathology

p998 Astrocytic P2Y receptors: contribution to epileptogenesis

Sukigara S, Otsuki T, Nabatame S, Honda R, Takahashi A, Kaido T, Nakagawa E, Sugai K, Sasaki M, Saito Y, Goto Y, Koizumi S, Itoh M (Japan)

p999 Expression of HMGB1 and Tolllike receptors in the hippocampus of human intractable temporal lobe epilepsy

> <u>Nakajima M</u>, Sugano H, Higo T, limura Y, Arai H (Japan)

p1000 First autopsy report of a patient with acute encephalitis with refractory, repetitive partial seizures

> <u>Ogawa C</u>, Natsume J, Takeuchi T, Yamamoto H, Azuma Y, Kidokoro H, Ishihara N, Miura K, Watanabe K (Japan)

p1001 Maldistribution of interneuron between cortex and basal ganglia in focal cortical dysplasia: consideration of epileptogenesis

<u>Sakakibara T</u>, Sukigara S, Otsuki T, Takahashi A, Kaneko Y, Kaido T, Saito Y, Sato N, Nakagawa E, Sugai K, Sasaki M, Goto Y, Itoh M (Japan)

p1002 Precocious and delayed neocortical synaptogenesis in fetal holoprosencephaly Sarnat HB, Flores-Sarnat L

(Canada)

p1003 Low hippocampal GABA
concentration in the epileptic rat
brain precedes the onset of
spontaneous seizures in the
pilocarpine model of TLE
Soukupova M, Roncon P, Binaschi A,
Falcicchia C, Zucchini S, Rodi D,
Cifelli P, Simonato M (Italy)

p1004 Human herpesvirus-7 (HHV-7) in brain tissues from adults with intractable epilepsy: a pathological role in some cases of hippocampal sclerosis? <u>Li J-M</u>, Huang C, Zhou D (China)

p1005 Increased oligodendroglial like cells correlates with intractable focal epilepsy in children

Sakuma S, Halliday WC, Ochi A,
Otsubo H (Canada)

p1006 Role of inflammation on gene expression in a murine mouse model of Temporal Lobe Epilepsy

<u>Genovesi S, Cerri C, Caleo M,</u>

Bozzi Y (Italy)

p1007 Cell injury and premature neurodegeneration in focal malformations of cortical development

> <u>Iyer A</u>, Prabowo A, Anink J, Spliet WGM, van Rijen P, Aronica E (Netherlands)

p1008 Proliferative oligodendroglial hyperplasia in epilepsy (POGHE): a novel diagnostic entity

> Coras R¹, Schurr J¹, Pieper T¹, Kudernatsch M¹, Holthausen H¹, van Landeghem F¹, Grunwald T², Fischer I², Rössler K¹, Hamer H¹, Blümcke I¹ (¹Germany, ²Switzerland)

p1009 Association between human herpes virus 6B and apolipoprotein E4 in patients with refractory mesial temporal lobe epilepsy

Huang C, Li J, Si Y, Zhou D (China)

p1010 Hippocampal histopathology in a kindling refractory epilepsy Sprague-Dawley rat model induced by Coriaria Lactone Li Y, Zeng T, Chen L, Zhou D (China)

p1011 Lafora bodies type II: origin and potential functional significance. Observations made in a K-O laforin-deficient mice model

> <u>Machado-Salas J</u>¹, Avila-Costa MR², Tanaka M¹, Bai D¹, Duron R¹, Yamakawa K³, Delgado-Escueta A¹ (¹USA, ²Mexico, ³Japan)

p1012 Chronic low-level viral replication in refractory epilepsy following Herpes simplex virus encephalitis Howell KB, Katanyuwong K, Mackay MT, Bailey CA, Chow CW, Cook MJ, Harvey AS (Australia)

p1013 Angiocentric gliomas are characterized by unmethylated MGMT-promoter and do not harbor BRAF or IDH1/2 mutations Capper D¹, Felsberg J¹, Hainfellner J², Pannek HW¹, Preusser M², Hans VH¹ (¹Germany, ²Austria)

p1014 The neuropathological basis of polymicrogyria

Jansen AC¹, Robitaile Y², Honavar M³, Mullatti N³, Andermann E², Andermann F², Squier W³ (¹Belgium, ²Canada, ³United Kingdom)



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Poster session: Neuropsychology B

p1015 Adaptive independence difficulties in children with intractable epilepsy on the scales of independent behavior - revised (SIB-R)

Kerr EN, Blackwell M (Canada)

p1016 Abstract verbal learning using visual or auditory administration: does modality matter?

Crane J, Berthiaume C, Sziklas V

p1017 Memory and cognition 20plus years after surgical treatment of temporal lobe epilepsy

(Canada)

Jones-Gotman M¹, Banks S² (¹Canada, ²USA)

p1018 Improving the readiness of epilepsy surgery candidates during electrical stimulation through invasive EEG

> <u>Solis P</u>, Medel N, Lomlomdjian C, Múnera C, Valeriano L, Terpiluk V, Kochen S (Argentina)

- p1019 Clinical utility of the Leonard
 Tapping Test in epilepsy patients
 Crane J, Sziklas V, Leonard G
 (Canada)
- p1020 Frontal lobe dysfunction in chronic mesial temporal lobe epilepsy in patients of tertiary care centre of South Indian population

<u>Turaga SP</u>, Nemali HL, Sirineni D [India]

- p1021 The relationship between nuclear medicine examinations and the results of pre- and postoperative evaluation of neuropsychological tests in patients with medial temporal epilepsy on non-dominant hemisphere for memory Hosoyama H, Otsubo T, Hanaya R, Sugata S, Tsumagari N, Nakamura K, Fujimoto T, Iida K, Arita K (Japan)
- p1022 An exploratory qualitative analysis of the psychological processes underlying nonepileptic seizures

 <u>Macleod L</u>K, Montague A,

 Mcintosh AM, Scheffer IE,

 Berkovic SF, Wilson SJ (Australia)
- p1023 Lack of concordance between dichotic listening and Wada test in evaluation of language lateralization

 Gramstad A, Engelsen BA (Norway)
- p1024 Correlation between cognitive complaint, quality of life and cognitive assessment in patients with epilepsy

<u>Pereira de Silva NF</u>, Medel N, Solis P, Kochen SS, Saidon P (Argentina)

p1025 Jeavons Syndrome: variabilty of cognitive function in Covanis group five of eyelid myoclonia with juvenile myoclonic epilepsy Carvalho KC, Tudesco ISS, Conceição PO, Uchida C, Yacubian EM (Brazil)

p1026 Short term memory deficits are accountable for modalityspecific cognitive impairments following hippocampal sclerosis in epileptic patients

Schmidt CS^{1,2}, Gallagher A¹, Sauerwein HC¹, Carmant L¹, Lepore F¹, Lassonde M1 (¹Canada, ²Netherlands)

p1027 Mindfulness-based psychological treatment and social support intervention for drug-resistant epilepsy: a randomized, assessorblinded, controlled trial

Tang V¹, Kwan P^{1,2}, Poon WS¹
('Hong Kong, ²Australia)

p1028 Effect of epileptic seizures on the function of speech and writing in children and their medical treatment

> Kamenova SU, Kondybayeva AM, Kuzhybaeva KK, Aydabulova BD, Habdina D, Mukasheva T, Aralbaeva A, Taurbekova A, Turmambetova A, Sharaphanova A [Kazakhstan]

p1029 Predicting long-term
neuropsychological outcome of
late-onset Rasmussen
Encephalitis (RE) in children
treated via left hemispherectomy:
a case in point

<u>Snyder TJ</u>, Sinclair DB, Wheatley BM, Tang-Wai R, Pugh J, Edgerton J, Jurasek L (Canada)

p1030 Neuropsychological evaluation of patients with familial cortical tremor and epilepsy
Yu P, Zhu G, Ding D, Tang X, Shi Y,

Hong Z (China)

p1031 Assessment of syntactic and semantic sentences comprehension in children with Rolandic epilepsy and investigation of cognitive and behavioral aspects

Malfait D, Tucholka A, Lortie A, Carmant L, Major P, Lippé S
(Canada)

p1032 Rey complex figure test:
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 Jamus D, Mäder-Joaquim MJ,
 Souza L, De Paola L, Silvado CE (Brazil)

p1033 Quality of life outcome across years after anterior temporal lobectomy for drug resistant temporal lobe epilepsy
<u>Alexander A</u>, Radhakrishnan A,
Varma R, Radhakrishnan K (India)

p1034 Working memory performance in temporal lobe epilepsy patients after corticoamygdalohippocampectomy

<u>Tudesco ISS</u>, Pompeia S,

Centeno RS, Yacubian EMT,

Bueno OFA (Brazil)

p1035 Children with a history of atypical febrile seizures show abnormal steady-state visual evoked potentials

Sheppard E, Birca A, Lassonde M, Lippé S (Canada)

p1036 Autobiographical memory in drug resistant epilepsy patients <u>Munera CP</u>, Lomlomdjian C, Solis P, Medel N, Terpiluk V, Valeriano L, Kochen S (Argentina)

p1037 Memory and language outcome in preserved patients submitted to surgical treatment

<u>Gaça LB</u>, Comper SM, Tudesco ISS, Noffs MHS, Centeno RS, Marinho MM, Caboclo LOSF, Yacubian EMT, Bueno OFA (Brazil)

p1038 Duration of epilepsy versus age at surgery in predicting postoperative cognitive outcome <u>Adams EN</u>, Ritter FJ, Opperman CL (USA)

p1039 Comparative study of quality of life of male and female epileptic patients receiving treatment in The General Hospital San Juan de Dios, Guatemala

Stokes Brown HB (Guatemala)

p1040 Resting state functional connectivity and executive functioning in temporal lobe epilepsy patients

Haynes-Robinson TS^{1,2}, Komondoros S¹, Kamzik J¹, Arora J¹, Winstanley FS¹, Spencer DD¹, Constable RT¹ (¹USA, ²Jamaica)

p1041 Subjcective prospective and retrospective memory failures of epilepsy patients: preliminary questionnare study

Kim KK (Korea, Republic of)



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p1042 Low-dose versus high-dose ACTH therapy in patients with West syndrome

> <u>Horák O</u>, Ošlejšková H, Ryzí M (Czech Republic)

p1043 Long-term video-EEG monitoring for evaluation of paroxysmal events in children

<u>Krajnc N</u> (Slovenia)

p1044 Seizures and mental disorders in patients with tuberous sclerosis complex

> <u>Belacevic MM</u>, Babic M, Jovic NJ, Karaklic D (Serbia)

p1045 Sleep disorders and melatonin system in children with epilepsy Praninskiene R¹, Jucaite A² ('Lithuania. ²Sweden)

p1046 Methylprednisolone for the treatment of children with refractory epilepsy

<u>Judickiene A</u>, Praninskiene R (Lithuania)

p1047 Sensory modulation dysfunction in childhood- onset generalized epilepsy

<u>Shahar E</u>, Zlotnik S, Ravid S, Engel-Yeger B (Israel)

p1048 Absence seizures from the perspective of children and adolescents with this condition <u>Figueroa-Duarte AS</u>, Campbell-Araujo OA (Mexico)

p1049 Efficacy and safety of intravenous lacosamide in children: a pilot evaluation in eight children with refractory non-convulsive status epilepticus/seizure clusters

Smeyers PM (Spain)

p1050 The comorbidity of attention deficit hyperactivity disorder in children with epilepsy

<u>Kim W-S</u>, Sim GY, Son J-W (Korea, Republic of)

p1051 Bilateral insular epilepsy

Ostrowsky-Coste K¹, Montavont A¹, Guenot M¹, Gil-Nagel A², Cohen A³, Ryvlin P¹ (¹France, ²Spain, ³Netherlands)

p1052 Hemifacial paroxysmal events related to a hamartoma of the IVth ventricle: a drug-resistant entity that can be a candidate to surgery <u>De Palma L</u>^{1,2}, Panagiotakaki E1, Ramírez-Camacho A¹, Blauwblomme T¹, Bourgeois M¹, Sainte-Rose C¹, Arzimanoglou A¹ l¹France. ²Italvl

p1053 Intravenous levetiracetam in children with status epilepticus: experience from a children's hospital in Turkey Isguder R, <u>Guzel O</u>, Agın H, Karaarslan U, Akarcan SE (Turkey)

p1054 Heterogenous spectrum of
Epileptic syndrome with electrical
status epilepticus during sleep.
Experiences with 20 cases
Ouhabi H, Satte A, Mounach J,
Zerhouni A, Ouahmane Y (Morocco)

p1055 What makes the amygdala talk? EEG in acute emotional distress Ravnik IM, Verdnik M, Krko V, Grmek M, Peari N (Slovenia)

p1056 Severe hypoglycemia in juvenile diabetic rats: presence and severity of seizures predictive for mortality Maheandiran M, Mylvaganam S, Wu C, El-Hayek Y, Sugumar S, del Campo M, Giacca A, Zhang L, Carlen PL (Canada)

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p1057 Impaired sleep quality in epileptic children and implication of antiepileptic drugs

<u>Azabou E</u>, Cheliout-Heraut F, Racaru V, Essid N, Pinard J-M (France)

p1058 Epilepsy in children with mitochondrial diseases: diagnostic and treatment features. Clinical case of MELASsyndrome Myrzaliyeva B (Kazakhstan)

p1059 Developmental outcome in children with infantile spasms after treatment with Adrenocorticotropic hormone: effect of demographic and seizure related variables - does seizure control imply a better developmental outcome?

Thota AS, Malhi P, Singhi P (India)

p1060 Jeavons Syndrome - seizing the light

<u>Tuxhorn IE</u>, Abdul Rhaman M, Franco S (USA)

p1061 Efficiency of ethosuximide in the treatment of benign epileptiform discharges of childhood (BEDC) in EEG in children with focal forms of epilepsy

(Russian Federation)

p1062 Efficacy and safety of felbamate in children with refractory epilepsy

Heyman E, Levin N, Epstein O,
Lahat E, Gandelman-Marton R

(Israel)

Sivkova S, Mukhin K, Zaykiva F

p1063 Epilepsy characteristics in patients with type 1 diabetes mellitus

Ramírez-Camacho A, Bendelac N, De Bellescize J, Arzimanoglou A (France)

p1064 Epilepsy and PCDH19 mutation: electrophysiological features



Chemaly N, Kaminska A, Chiron C, An I, Pinard JM, Gautier A, Arbues AS, Dulac O, Nabbout R (France)

p1065 Primary hypomagnesaemia with seizures in neonates

<u>Toffa DH</u>, Fogang Y, Mbonda PCC, Ndiaye M, Gueye L, Diop AG (Senegal)

p1066 The temporal lobe in West syndrome (WS) shows aberrant structural remodelling and is functionally impaired:

electrophysiological and quantitative magnetic resonance imaging evidence

<u>Fosi T</u>, Boyd S, De Haan M, Clark CA, Scott RC, Neville BG (United Kingdom)

p1067 Preliminary report on treatment response to anti epileptic drugs in childhood epilepsies

Wanigasinghe J, Jayamanne C, Dissanayake M, Ratnayake P, Padeniya A, Wijesekera S (Sri Lanka)

p1068 Comparative assessment of families experience of patients with Dravet syndrome on the use of rectal valium and oral midazolam Coqué N, Chemaly N, Nabbout R

p1069 Risk factors associated with a poor response to the first-line treatment in neonatal seizures: case-control study

Penagos Vargas NE, Forero Sanchez EF, Uscategui Daccarett AM, Espitia Segura OM, Benitez Ramirez DC, Ramirez Rodriguez SM, Vargas Niño AC, Izquierdo Bello AH (Colombia)

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p1070 Use of new antiepileptic drugs for the treatment of neonatal seizures

<u>Vázquez C</u>, Aberastury M, Denzler I, Comas B, Vaccarezza M, Maxit C, Silva W, Agosta G (Argentina)

p1071 Cessation of farmacoresistant early epileptic encephalopathy with the use of ketogenic diet

<u>Pazo CA</u>, Omaña I, Contreras G, Sosa B (Venezuela)

p1072 Network analysis of generalized spike-and-wave discharges occurring in both animal models as well as in children

Ossenblok P, van Houdt P, Luttjohann A, van Luijtelaar G (Netherlands)

p1073 Refractory newly diagnosed epilepsy in children during 2011: a Chilean multicentric study

Andrade L, <u>Acevedo K</u>, Aránguiz JL, Venegas V, Cuadra L, Jeldres E, Bustos A, Jorge R (Chile)

p1074 Use of IVIG in Dravet syndrome: report of two cases

<u>Nguyen The Tich S</u>, Pellier I, Savagner C, Garcia M, Chemally N, Nabbout R (France)

p1075 FDG-PET/CT with EEG recording in children with frequent daily seizures

Rener-Primec Z, Grmek M, Perkovi-Benedik M, Kržan M (Slovenia)

p1076 Quality of life in Childhood Epilepsy Questionnaire: factor structure and predictors in newly diagnosed children

<u>Goodwin SW</u>, Lambrinos AI, Ferro MA, Speechley KN (Canada)

p1077 Myoclonic absence in patients with distinct pathology

<u>Ikeda H</u>, Imai K, Ikeda H, Shigematsu H, Takahashi Y, Inoue Y (Japan)

p1078 Classification of epilepsy by etiology, semiology and complexity level in children. Annual series study 2011 in Instituto de Salud del Niño del Perú (INSN)

p1079 Parry-Romberg syndrome associated with epilepsy: a case report Zahlane S, Kissani N (Morocco)

Caro-Kahn I (Peru)

p1080 Diazepam useful in ESES treatment

El-Hagrassy MM, Eksioglu Y (USA)

p1081 Influence of CYP1A1, CYP2C9, CYP2C19, CYP2D6, GSTM1, GSTT1, NAT2 genotypes on side effects developing in children with

epilepsy receiving valproic acid <u>Globa O</u>, Averiyanova NS, Andreenko NV, Podkletnova TV, Kuzenkova LM, Pinelis VG (Russian Federation)

p1082 The clinical course of seizure control in PCDH19 mutation related epilepsy

<u>Sugai M</u>, Matsuoka T, Hiyane M, Matsuoka T, Higurashi N, Hirose S, Ohfu M (Japan)

p1083 Effectiveness of valproate on Alice in wonderland syndrome associated with Panayiotopoulos syndrome

<u>Ohfu M</u>, Sugai M, Matsuoka T, Hiyane M, Matsuoka T (Japan)

WEDNESDAY 26TH JUNE

Late breaking posters

LBP1117 Admission to a seizure monitoring unit reduces health care utilization in patients with epilepsy in a large health region Lowerison M, Jette N, Sauro K,

Macrodimitris S, Dean S,
De Coster C, Wiebe S (Canada)

LBP1118 Zonisamide monotherapy in adult patients with partial, generalised and combined seizures: interim analysis of an open label, non comparative, observational study Dash A, Rawat S, Kiran A, Mathur V, Shah S, Jain SS, Ghatule R (India)

LBP1119 Adult onset seizure disorder associated with anti voltage-gated potassium channel antibody in China: a case report

Wang W, Zheng H-B, Xiao J,
Chen L, Zhou D (China)

LBP1120 Assessment and outcome of status epilepticus in elderly patients admitted at the Neurology Intensive Care Unit in First MHAT-Sofia, Bulgaria Maslarov D (Bulgaria)

LBP1121 Trigeminal nerve stimulation
(eTNS™) for epilepsy: long term
followup at 3 and 6months after
completion of the phase
II randomized trial

<u>DeGiorgio CM</u>, Soss J, Markovic D,
Kealey C, Heck C (USA)

LBP1122 Pulling bed linen up during seizures: an exploratory analysis of its semiological value

Rocha H. Reao R (Portugal)

LBP1123 Case with isolated vertigo attacks and temporal lobe arachnoid cyst: is it epilepsy?

<u>Genç E</u>, Apaydın Dogan E, Genç B0 (Turkey)

LBP1124 Circadian patterns of seizures in adults with focal refractory epilepsy

Nzwalo H, Cordeiro I, Santos AC, Peralta R, Paiva T, <u>Bentes C</u> (Portugal)

LBP1125 Disturbed vascular response during status epilepticus: a possible role for bloodbrain barrier dysfunction

Prager 0¹, Schoknecht K²,
Chassidim Y¹, Kamintsky L¹,
Dreier JP², Friedman A¹
(¹Israel, ²Germany)

LBP1126 Opposite effects of anti-seizure and pro-seizure drugs on IL-1 and TNF- mRNA expression in the hippocampus

<u>Gómez CD</u>, Buijs RM, Sitges M (Mexico)

LBP1127 Sertraline inhibits pre-synaptic
Na+ channel-mediated responses
in hippocampus isolated nerve
endings
Aldana BI, Sitges M (Mexico)

LBP1128 Seizure-related genomic DNA methylation changes in chronic rat TLE

Kobow K¹, Kaspi A², Harikrishnan KN², Kiese K¹, Ziemann M², Khurana l², Fritzsche l¹, Hauke J¹, Hahnen E¹, Coras R¹, Mühlebner A³, El-Osta A², Blümcke l¹[l¹Germany, ²Australia, ³Austria]

LBP1129 Human iPS cells in hyperexcitable hippocampal tissue

Andersson MS¹, Avaliani N¹, Toft-Sorensen A¹, Ledri M¹, Koch P², Brüstle O², Deisseroth K³, Kokaia M¹ ('Sweden, 'Germany, 'USA)

LBP1130 Preventing injury-induced epilepsy by attenuating astrocytic TGF- signaling Bar-Klein G1, Cacheaux LP², Kaufer D², Friedman

LBP1131 Is focal polymorphic delta slowing a pathological form of focal sleep?

A modeling study Boro A (USA)

A1 [1Israel, 2USA]

LBP1132 Treatment of symptomatic epilepsy by transplantation

of autologous mesenchymal <u>Mahrov M</u>, Hlebokazov F, Dakukina T, Misyuk N, Korolevich P, Marchuk S (Belarus)

LBP1133 Effects of kindling stimulations on tyrosine hydroxylase immunoreactivity in substantia nigra pars reticulata of GAERS and Wistar rats

<u>Gulcebi MI</u>¹, Akman O², Carcak N¹, Eryigit T¹, Onat F¹ (¹Turkey, ²USA)

LBP1134 The anticonvulsant triheptanoin shows anaplerotic activity in the pilocarpine model of temporal lobe epilepsy in mice <u>Smeland OB</u>¹, Hadera M¹,

Smeland OB¹, Hadera M¹, McDonald T², Sonnewald U¹, Borges K² (¹Norway, ²Australia)

LBP1135 Exposure to caffeine during pregnancy increases network excitability and seizure susceptibility in offspring

<u>Fazeli W</u>¹, Ghestem A², Cunha R³, Esclapez M², Istbrandt D¹, Bernard C² (¹Germany, ²France, ³Portugal)

LBP1136 Anticonvulsant effects of a new germanium (IV) xylarate complexe with potassium to acute seizure models in mice Varbanets OI, Godovan VV, Kresyun VY (Ukraine)

LBP1137 Activation clinic as a prior step to telemetry

<u>Agirre-Arrizubieta Z</u>, Moran N (United Kingdom)

LBP1138 Clinical significance of nonhabitual seizures during intracranial EEG monitoring Kovac S, Rodionov R, Chinnasami S, Wehner T, Scott CA, Miserocchi A, McEvoy AW, Diehl B

LBP1139 Fronto-parietal functional interhemispheric interactions in patients with epilepsy

<u>Selitskii GV, Sorokina ND</u>

[Russian Federation]

(United Kingdom)

LBP1140 Classification of high-frequency oscillations in search of a preictal state

<u>Malinowska U</u>, Bergey GK, Cervenka MC, Jouny CC (USA)

LBP1141 A low-cost and robust photogrammetry method for determining electrode positions von Ellenrieder N, Beltrachini L, Blenkmann A, Fernandez-Corazza M, Kochen S, Muravchik CH (Argentina)

LBP1142 YouTube and seizures: can we really make an online diagnosis?

<u>Brna PM</u>¹, Dooley JM¹, Esser MJ¹, Perry MS², Gordon KE¹ (¹Canada, ²USA)

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LBP1143 Single pulse electrical stimulation and surgical outcome in a series of 86 patients

<u>Sanchez-Sanchez V</u>, Valentin A, Selway R, Alarcon G [United Kingdom]

LBP1144 A critical review of epilepsy surgery across two decades

Jehi L¹, Friedman D¹, Carlson C¹, Cascino G¹, Dewar S¹, Elger C², Engel, Jr J¹, Knowlton R¹, Kuzniecky R¹, McIntosh A³, O'Brien T³, Spencer D¹, Sperling M¹, Worrell G¹, French J¹ (¹USA, ²Germany, ³Australia)

LBP1145 Lesionectomy of the contralateral epileptogenic focus may help epilepsy control

Mahmoud AA, <u>Alghamdi FA</u> (Saudi Arabia)

LBP1146 Seizure outcome following posterior quadrant epilepsy surgery in correlation with neuroimaging and histopathology studies in Arabia

AL Tawari A, Baz S, AL Thubaiti I, AL Otaibi F, AL Dhalaan H, AL Semari A (Saudi Arabia)

LBP1147 Cognitive and behavioral findings in pre- and post-surgical children with hypothalamic hamartoma

<u>Cappelletti</u> S, Specchio N, Gentile S, Fusco L, Marras CE, Delalande O, Vigevano F (Italy)

LBP1148 Use of MRI guided laser ablation of epileptic focus in paediatric patients with intractable epilepsy: the SUNY Upstate preliminary experience

<u>Tovar Spinoza ZS</u>, Carter DA, Eksioglu Y, Huckins S (United States)

LBP1149 Is a mini-craniotomy for temporal lobe epilepsy surgery safe and useful?

Alahmari A, Sabbagh A, Bamugaddam F, Sinha S, Siddiqui K, Alshardan M, Alhameed M, Soualmi L (Saudi Arabia)

LBP1150 Temporal lobotomy vs. lobectomy for temporal lobe epilepsy

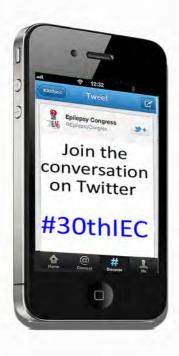
Sabbagh A, Alahmari A, Bamugaddam F, Siddiqui K, Sinha S, Alshardan M, Alhameed M, Soualmi L (Saudi Arabia)



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Adachi N (Japan)	Parallel session	June 24	11:30	Hall 2	Speaker
Ahmed SN (Canada)	Teaching session	June 24	07:30	Hall 6	Speaker
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AlexandreJr V (Brazil)	Controversies	June 24	16:30	Hall 4	Speaker
Alonso Vanegas M (Mexico)	Curso Hispano ALADE	June 24	07:30	Hall 2	Speaker
Alonso Vanegas MA (Mexico)	Main session	June 25	09:00	Hall 1	Speaker
An D (Canada)	Meet the experts	June 26	14:30	Hall 3	Speaker
Andermann E (Canada)	Main session	June 26	09:00	Hall 2	. Chair
Andermann F (Canada)	Satellite symposium	June 24	18:00	Hall 1	Chair
Andermann F (Canada)	Satellite symposium	June 24	18:00	Hall 1	Speaker
Andermann F (Canada)	Meet the experts	June 26	14:30	Hall 3	Speaker
Andermann F (Canada)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Arida RM (Brazil)	Parallel session	June 25	11:30	Hall 5	Speaker
Arzimanoglou A (France)	Epi-Quiz	June 27	11:30	Hall 2	Chair
Avanzini G (Italy)	Controversies	June 24	16:30	Hall 4	Chair
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Avoli M (Canada)	Parallel session	June 25	11:30	Hall 4	Speaker
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Aziz H (Pakistan)	Parallel session	June 24	11:30	Hall 7	Speaker
Baker G (United Kingdom)	Controversies	June 24	16:30	Hall 3	Speaker
Barragán E (Mexico)	Platform session	June 24	14:30	Hall 2	Chair
Bartolomei F (France)	Main session	June 27	09:00	Hall 2	Speaker
Baulac M (France)	Controversies	June 24	16:30	Hall 4	Speaker
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Benickzy S (Denmark)	Teaching session	June 24	07:30	Hall 4	Speaker
Berkovic S (Australia)	Special symposium	June 23	14:00	Hall 1	Speaker
Berkovic S (Australia)	Parallel session	June 26	11:30	Hall 4	Chair
Bernard C (France)	Parallel session	June 25	11:30	Hall 4	Speaker
Bernasconi A (Canada)	Main session	June 26	09:00	Hall 2	Speaker
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Bertram E (USA)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Bialer M (Israel)	Main session	June 27	09:00	Hall 3	Chair
Bien C (Germany)	Main session	June 26	07:00	Hall 1	Speaker
Birbeck G (USA)	Main session	June 25	07:00	Hall 2	Speaker
Blümcke I (Germany)	Main session	June 26	07:00	Hall 2	Speaker
Blume W (Canada)	Meet the experts	June 26	14:30	Hall 3	Speaker
Bogacz A (Uruguay)	Presidential symposium	June 24	09:00	Hall 1	Speaker
Bower MR (USA)	, ,	June 24 June 24	16:30	Hall 1	
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Brodie M (United Kingdom)	Teaching session	June 25	07:30	Hall 6	Speaker
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Burgess R (USA)	Satellite symposium	June 25	07:30	Hall 3	Chair
Burgess R (USA)	Satellite symposium	June 25	07:30	Hall 3	Speaker
Burneo J (Canada)	Parallel session	June 24	11:30	Hall 4	Chair

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Camfield C (Canada)	Teaching session	June 25	07:30	Hall 5	Cha
Camfield C (Canada)	Teaching session	June 25	07:30	Hall 5	Speake
Camfield P (Canada)	Meet the experts	June 26	14:30	Hall 2	Speak
Camfield P (Canada)	Epi-Quiz	June 27	11:30	Hall 2	Speak
Campos M (Chile)	Curso Hispano ALADE	June 24	07:30	Hall 2	. Cha
Campos M (Chile)	Curso Hispano ALADE	June 24	07:30	Hall 2	Speak
Carlen P (Canada)	Platform session	June 24	14:30	Hall 4	. Cha
Carmant L (Canada)	Parallel session	June 25	11:30	Hall 3	Cha
Carmant L (Canada)	Parallel session	June 26	11:30	Hall 5	Speak
Carrizosa J (Colombia)	Parallel session	June 23	17:00	Hall 2	Speak
Cavazos JE (Canada)	Platform session	June 25	14:30	Hall 6	. Cha
Cendes F (Brazil)	Teaching session	June 26	07:30	Hall 4	Speak
Cendes F (Brazil)	Teaching session	June 27	07:30	Hall 6	Speak
Cendes F (Brazil)	Epi-Quiz	June 27	11:30	Hall 2	Speak
Chiron C (France)	Teaching session	June 26	07:30	Hall 4	Cha
Chiron C (France)	Teaching session	June 26	07:30	Hall 4	Speak
Cilio M R (USA)	Teaching session	June 26	07:30	Hall 7	Speak
Connolly M (Canada)	Video session	June 27	07:30	Hall 2	Speak
Constable R T (USA)	Parallel session	June 26	11:30	Hall 3	Speak
Cook IA (USA)	Satellite symposium	June 25	16:30	Hall 4	Speak
Cossette P (Canada)	Teaching Session	June 25	07:30	Hall 7	Cha
Cossette P (Canada)	Teaching session	June 25	07:30	Hall 7	Speak
Coulter D (USA)	Special symposium	June 23	14:30	Hall 2	Speak
Covanis A (Greece)	Platform session	June 24	14:30	Hall 6	Cha
Crino P (USA)	Parallel session	June 26	11:30	Hall 3	Speak
Cross H (United Kingdom)	Satellite symposium	June 24	07:00	Hall 3	Speak
Cross H (United Kingdom)	Controversies	June 25	16:30	Hall 2	Speak
Cross H (United Kingdom)	Teaching session	June 26	07:30	Hall 5	Speak
Cross H (United Kingdom)	Epi-Quiz	June 27	11:30	Hall 2	Speak
Curry DJ (USA)	Parallel session	June 26	11:30	Hall 3	Speak
De Boer H (Netherlands)	Special symposium	June 23	14:30	Hall 3	Cha
De Curtis M (Italy)	Parallel session	June 25	11:30	Hall 4	Speak
DeGiorgio CM (USA)	Satellite symposium	June 25	16:30	Hall 4	Cha
DeGiorgio CM (USA)	Satellite symposium	June 25	16:30	Hall 4	Speak
DeGiorgio CM (USA)	Satellite symposium	June 25	16:30	Hall 4	Speak
Dergalust S (USA)	Platform session	June 24	14:30	Hall 3	Cha
De Weerd A (Netherlands)	Teaching session	June 25	07:30	Hall 4	Cha
De Weerd A (Netherlands)	Teaching session	June 25	07:30	Hall 4	Speak
Ding D (China)	Parallel session	June 24	11:30	Hall 7	Speak
Ding D (China)	Awards symposium	June 24	16:30	Hall 1	Speak
Diop A G (Senegal)	Parallel session	June 23	17:00	Hall 3	Speak
Diop A G (Senegal)	Teaching session	June 24	07:30	Hall 5	Speak
Dobyns WB (USA)	Parallel session	June 23	17:00	Hall 1	Speak
Donner E (Canada)	Platform session	June 25	14:30	Hall 2	Cha
Donner E (Canada)	Parallel session	June 26	11:30	Hall 2	Cha
Dravet C (France)	Parallel session	June 26	11:30	Hall 4	Speak
Dubeau F (Canada)	Video session	June 25	07:30	Hall 2	Speak
Dubeau F (Canada)	Parallel session	June 25	11:30	Hall 1	Speak

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Name	Session Type	Date	Time	Room	Chair/Speaker
Dubeau F (Canada)	Teaching session	June 26	07:30	Hall 6	Chair
Dudeck E (USA)	Main session	June 26	09:00	Hall 1	Speaker
Dunn D W (USA)	Parallel session	June 23	17:00	Hall 3	Speaker
Ekman M (Sweden)	Parallel session	June 25	11:30	Hall 6	Speaker
Elger C (Germany)	Meet the experts	June 26	14:30	Hall 3	Speaker
Engel Jr. J (USA)	Meet the experts	June 26	14:30	Hall 3	Chair
Federico P (Canada)	Teaching session	June 27	07:30	Hall 7	Chair
Federico P (Canada)	Teaching session	June 27	07:30	Hall 7	Speaker
Feindel W (Canada)	Special symposium	June 23	14:00	Hall 1	Speaker
Fernandes PT (Brazil)	Main session	June 25	09:00	Hall 2	Speaker
Finucane S (USA)	Special symposium	June 23	14:30	Hall 3	Speaker
Finucane S (USA)	Parallel session	June 26	11:30	Hall 7	Speaker
Finucane S (USA)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Fisher R S (USA)	Presidential symposium	June 24	09:00	Hall 1	Speaker
Fogarasi A (Hungary)	Teaching session	June 25	07:30	Hall 5	Speaker
Foldvary N (USA)	Teaching session	June 25	07:30	Hall 4	Speaker
French J (USA)	Parallel session	June 24	11:30	Hall 6	Speaker
French J (USA)	Teaching session	June 26	07:30	Hall 6	Speaker
Friedman A (Israel)	Special symposium	June 23	14:30	Hall 2	Chair
Friedman A (Israel)	Parallel session	June 26	11:30	Hall 1	Speaker
Funke M (USA)	Satellite symposium	June 25	07:30	Hall 3	Speaker
Gaillard W (USA)	Teaching session	June 26	07:30	Hall 4	Speaker
Galanopoulou AS (USA)	Presidential symposium	June 24	09:00	Hall 1	Speaker
Gil-Nagel A (Spain)	Platform session	June 25	14:30	Hall 3	Chair
Glauser TM (USA)	Parallel session	June 25	11:30	Hall 5	Speaker
Glynn M (Ireland)	Presidential symposium	June 24	09:00	Hall 1	Chair
Glynn M (Ireland)	Epi-Quiz	June 27	11:30	Hall 2	Chair
Gotman J (Canada)	Special symposium	June 23	14:00	Hall 1	Chair
Gotman J (Canada)	Controversies	June 24	16:30	Hall 2	Chair
Gotman J (Canada)	Main session	June 27	09:00	Hall 2	Speaker
Grova C (Canada)	Satellite symposium	June 26	07:30	Hall 3	Speaker
Guekht A (Russian Federation)	Parallel session	June 26	11:30	Hall 1	Speaker
Guekht A (Russian Federation)	Teaching session	June 27	07:30	Hall 5	Chair
Guekht A (Russian Federation)	Teaching session	June 27	07:30	Hall 5	Speaker
Guekht A (Russian Federation)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Guerreiro C (Brazil)	Controversies	June 25	16:30	Hall 2	Speaker
Guerrini R (Italy)	Meet the experts	June 26	14:30	Hall 2	Speaker
Hahn C (Canada)	Teaching session	June 26	07:30	Hall 7	Speaker
Hahn C (Canada)	Video session	June 27	07:30	Hall 2	Speaker
Hamed SA (Egypt)	Parallel session	June 25	11:30	Hall 5	Speaker
Hamed SA (Egypt)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Harvey S (Australia)	Teaching session	June 26	07:30	Hall 5	Speaker
Hauser WA (USA)	Parallel session	June 26	11:30	Hall 1	Chair
Hauser WA (USA)	Parallel session	June 26	11:30	Hall 1	Speaker
Haut S (USA)	Parallel session	June 26	11:30	Hall 6	Chair
Haut S (USA)	Parallel session	June 26	11:30	Hall 6	Speaker
Heinemann U (Germany)	Special symposium	June 23	14:30	Hall 2	Speaker
Helmstaeder C (Germany)	Controversies	June 25	16:30	Hall 3	Speaker
Hermann B (USA)	Controversies	June 25	16:30	Hall 3	Speaker
HEHMANN D (UJA)	COLLUNCTOLES	Julie 20	10.50	Hall 3	Speaker

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Name	Session Type	Date	Time	Room	Chair/Speaker
Hirsch LJ (USA)	Teaching session	June 26	07:30	Hall 7	Chair
Hirsch LJ (USA)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Holmes GL (USA)	Parallel session	June 24	11:30	Hall 3	Chair
Holmes GL (USA)	Parallel session	June 24	11:30	Hall 3	Speaker
Holmes M (USA)	Satellite Symposium	June 26	07:30	Hall 3	Chair
Holthausen J (Germany)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Hosny H (Egypt)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Huberfeld G (France)	Parallel session	June 25	11:30	Hall 4	Speaker
Ikeda A (Japan)	Controversies	June 24	16:30	Hall 2	Speaker
Ikeda A (Japan)	Teaching session	June 27	07:30	Hall 7	Speaker
Ikeda A (Japan)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Jackson G (Australia)	Platform session	June 24	14:30	Hall 5	Chair
Jacobs J (Germany)	Teaching session	June 27	07:30	Hall 7	Speaker
Jacoby A (United Kingdom)	Main session	June 25	09:00	Hall 2	Speaker
Jayakar P (USA)	Main session	June 25	09:00	Hall 1	Speaker
Jensen F (USA)	Parallel session	June 25	11:30	Hall 2	Speaker
Jetté N (Canada)	Main session	June 25	09:00	Hall 2	. Chair
Jetté N (Canada)	Main session	June 25	09:00	Hall 2	Speaker
Jokeit H (Switzerland)	Teaching session	June 24	07:30	Hall 7	Speaker
Jones K (Canada)	Meet the experts	June 26	14:30	Hall 2	Speaker
Jones ML (Canada)	Meet the experts	June 26	14:30	Hall 3	Speaker
Jones-Gotman M (Canada)	Teaching session	June 24	07:30	Hall 7	Chair
Jones-Gotman M (Canada)	Teaching session	June 24	07:30	Hall 7	Speaker
Jones-Gotman M (Canada)	Platform session	June 25	14:30	Hall 7	Chair
Kahane P (France)	Special symposium	June 23	14:00	Hall 1	Speaker
Kahane P (France)	Main session	June 27	09:00	Hall 2	Chair
Kakooza A (Uganda)	Parallel session	June 25	11:30	Hall 3	Speaker
Kakooza A (Uganda)	Parallel session	June 26	11:30	Hall 3	Speaker
Kakooza A (Uganda)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Kanner AM (USA)	Parallel session	June 24	11:30	Hall 2	Chair
Kanner AM (USA)	Parallel session	June 24	11:30	Hall 2	Speaker
Kanner AM (USA)	Teaching session	June 27	07:30	Hall 4	Chair
Kanner AM (USA)	Teaching session	June 27	07:30	Hall 4	Speaker
Kerr M (United Kingdom)	Parallel session	June 24	11:30	Hall 2	Speaker
Kerr M (United Kingdom)	Teaching session	June 27	07:30	Hall 4	Speaker
Kim HD (Korea)	Teaching session	June 25	07:30	Hall 6	Speaker
Kim HD (Korea)	Main session	June 26	09:00	Hall 2	Speaker
Koepp MJ (United Kingdom)	Parallel session	June 24	11:30	Hall 6	Speaker
Kostopoulos G (Greece)	Special symposium	June 23	14:00	Hall 1	Speaker
Kramer U (Israel)	Parallel session	June 25	11:30	Hall 3	Speaker
Kwan P (Hong Kong)	Controversies	June 24	16:30	Hall 3	Speaker
Lee BI (Korea, Republic of)	ASEPA teaching course	June 26	07:30	Hall 2	Speaker
Lee BI (Korea, Republic of)	Parallel session	June 26	11:30	Hall 7	Speaker
Lee BI (Korea, Republic of)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
	Epi-Quiz	June 27			
Lee P (United Kingdom)			11:30	Hall 2	Speaker
Lenck-Santini PP (USA)	Controversies	June 25	16:30	Hall 3 Hall 3	Speaker Speaker
Li S (China)	Special symposium	June 23	14:30		
Liao W (China)	Platform session	June 24	14:30	Hall 7	Chair
Lim SH (Singapore)	ASEPA teaching course	June 26	07:30	Hall 2	Chair
Lim SH (Singapore)	ASEPA teaching course	June 26	07:30	Hall 2	Speaker
Lim SH (Singapore)	Meet the experts	June 26	14:30	Hall 3	Speaker

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Name	Session Type	Date	Time	Room	Chair/Speaker
Linehan C (Ireland)	Parallel session	June 25	11:30	Hall 6	Speaker
Little A (Ireland)	Special symposium	June 23	14:30	Hall 3	Speaker
Little A (Ireland)	Parallel session	June 26	11:30	Hall 7	Speaker
Lowenstein D (USA)	Parallel session	June 23	17:00	Hall 1	Chair
Lowenstein D (USA)	Parallel session	June 23	17:00	Hall 1	Speaker
Luders H (USA)	Main session	June 27	09:00	Hall 2	Speaker
Malmgren K (Sweden)	Teaching session	June 25	07:30	Hall 6	Chair
Marini C (Italy)	Teaching session	June 25	07:30	Hall 7	Speaker
Marini C (Italy)	Parallel session	June 26	11:30	Hall 4	Speaker
Mathern G (USA)	Main session	June 25	09:00	Hall 1	Chair
Mathern G (USA)	Parallel session	June 26	11:30	Hall 3	Chair
McLachlan R (Canada)	Video session	June 25	07:30	Hall 2	Chair
McLachlan R (Canada)	Video session	June 25	07:30	Hall 2	Speaker
Meador KJ (USA)	Main session	June 27	07:30	Hall 3	Chair
Meador KJ (USA)	Main session	June 27 June 27	09:00	Hall 3	
					Speaker
Medina M (Honduras)	Parallel session	June 24	11:30	Hall 4	Speaker
Mefford H (USA)	Parallel session	June 26	11:30	Hall 4	Speaker
Mehler M (USA)	Parallel Session	June 25	11:30	Hall 1	Speaker
Meijer I (Canada)	Meet the experts	June 26	14:30	Hall 2	Speaker
Michoulas A (Canada)	Meet the experts	June 26	14:30	Hall 2	Speaker
Miller L (Australia)	Teaching session	June 24	07:30	Hall 7	Speake
Mizrahi E (USA)	Parallel session	June 25	11:30	Hall 2	Speake
Mizrahi E (USA)	Meet the experts	June 26	14:30	Hall 2	Speaker
Moeller F (Germany)	Controversies	June 24	16:30	Hall 2	Speaker
Moshé SL (USA)	Presidential symposium	June 24	09:00	Hall 1	Chair
Moshé SL (USA)	Epi-Quiz	June 27	11:30	Hall 2	Chair
Mula M (Italy)	Parallel session	June 24	11:30	Hall 2	Speaker
Mula M (Italy)	Teaching session	June 27	07:30	Hall 4	Chai
Mula M (Italy)	Teaching session	June 27	07:30	Hall 4	Speake
Nabbout R (France)	Parallel session	June 26	11:30	Hall 5	Speaker
Nehlig A (France)	Parallel session	June 24	11:30	Hall 6	Speaker
Nehlig A (France)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Newton C (Kenya)	Parallel session	June 25	11:30	Hall 6	Speake
Nguyen DK (Canada)	Controversies	June 24	16:30	Hall 2	Speake
O'Brien T (Australia)	Parallel session	June 24	11:30	Hall 6	Chai
O'Brien T (Australia)	Parallel session	June 26	11:30	Hall 6	Speake
Okujava N (Georgia)	Teaching Session	June 27	07:30	Hall 5	Speake
Olivier A (Canada)	Special Symposium	June 23	14:00	Hall 1	Speake
O'Shea R (Ireland)	Presidential symposium	June 24	09:00	Hall 1	Speake
Otsubo H (Canada)	Platform Session	June 25	14:30	Hall 5	Chai
Otsuki T (Japan)	Controversies	June 25	16:30	Hall 2	Speake
Özkara Ç (Turkey)	Teaching session	June 26	07:30	Hall 5	Chai
Özkara Ç (Turkey)	Teaching Session	June 26	07:30	Hall 5	Speake
Palmini A (Brazil)	Special Symposium	June 23	14:00	Hall 1	Speake
Panelli R (Australia)	Presidential symposium	June 24	09:00	Hall 1	Speake
Pedley TA (USA)	Controversies	June 25	16:30	Hall 2	Chai
Perucca E (Italy)	Parallel session	June 25	11:30	Hall 1	Chai
Perucca E (Italy)	Parallel session	June 25	11:30	Hall 1	Speake
Pineda RC (Canada)	Meet the experts	June 26	14:30	Hall 2	Speake
Pitkänen A (Finland)	Parallel session	June 26 June 26	14:30	Hall 1	Speakei Speakei
	ד מו מנוכו כל כלוטוו	Julie 20	11:30	i idll l	Sueake
Plouin P (France)	Teaching session	June 24	07:30	Hall 4	Speake

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Name	Session Type	Date	Time	Room	Chair/Speaker
Plouin P (France)	Meet the experts	June 26	14:30	Hall 2	Speaker
Preston J (United Kingdom)	Parallel session	June 23	17:00	Hall 3	. Chair
Preston J (United Kingdom)	Parallel session	June 25	17:00	Hall 3	Speaker
Preux PM (France)	Parallel session	June 25	11:30	Hall 3	Speaker
Privitera M (USA)	Parallel session	June 26	11:30	Hall 6	Speaker
Quigg M (USA)	Teaching session	June 25	07:30	Hall 4	Speaker
Radhakrishnan K (India)	ASEPA teaching course	June 26	07:30	Hall 2	Speaker
Radhakrishnan K (India)	Main session	June 27	09:00	Hall 3	Speaker
Raffo E (France)	Parallel session	June 23	17:00	Hall 2	Speaker
Rektor I (Czech Republic)	Teaching session	June 24	07:30	Hall 5	Speaker
Rektor I (Czech Republic)	Controversies	June 25	16:30	Hall 3	Chair
Rektor I (Czech Republic)	Controversies	June 25	16:30	Hall 3	Speaker
Rheims S (France)	Controversies	June 24	16:30	Hall 4	Speaker
Rho JM (Canada)	Parallel session	June 25	11:30	Hall 1	Speaker
Rho JM (Canada)	Satellite symposium	June 24	07:00	Hall 3	Speaker
Rogawaski M (USA)	Satellite symposium	June 24	18:00	Hall 1	Speaker
Rossetti A (Switzerland)	Parallel session	June 23	17:00	Hall 1	Speaker
Rothemeyer S (South Africa)	Main session	June 25	09:00	Hall 1	Speaker
Ryvlin P (France)	Parallel session	June 26	11:30	Hall 2	Speaker
Saint Hilaire JM (Canada)	Controversies	June 24	16:30	Hall 3	Chair
Sakamoto A (Brazil)	Curso Hispano ALADE	June 24	07:30	Hall 2	Speaker
Sander L (United Kingdom)	Teaching session	June 26	07:30	Hall 6	Speaker
Sander L (United Kingdom)	Parallel session	June 26	11:30	Hall 2	Speaker
Scheffer I (Australia)	Satellite symposium	June 24	07:00	Hall 3	Speaker
Scheffer I (Australia)	Teaching session	June 25	07:30	Hall 7	Speaker
Scheffer I (Australia)	Main session	June 26	09:00	Hall 1	Chair
Scheffer I (Australia)	Main session	June 26	09:00	Hall 1	Speaker
Scheffer I (Australia)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Schevon C (USA)	Teaching session	June 27	07:30	Hall 7	Speaker
Schmidt D (Germany)	Main session	June 27	09:00	Hall 3	Speaker
Schmitz B (Germany)	Parallel session	June 26	11:30	Hall 6	Speaker
Schwartz T (USA)	Main session	June 27	09:00	Hall 2	Speaker
Schwartzkroin P (USA)	Awards symposium	June 24	16:30	Hall 1	Chair
Scott RC (United Kingdom)	Presidential symposium	June 24	09:00	Hall 1	Speaker
Secco M (Canada)	Parallel session	June 26	11:30	Hall 7	Chair
Seeck M (Switzerland)	Controversies	June 24	16:30	Hall 2	Speaker
Senior J (Ireland)	Parallel session	June 23	17:00	Hall 3	Speaker
Shafer PO (USA)	Main session	June 25	09:00	Hall 1	Speaker
Shih A (USA)	Special symposium	June 23	14:30	Hall 3	Speaker
Shinnar S (USA)	Parallel session	June 26	11:30	Hall 5	Speaker
Shorvon S (United Kingdom)	Satellite symposium	June 24	18:00	Hall 1	Speaker
Silbergleit R (USA)	Parallel session	June 23	17:00	Hall 1	Speaker
Simonato M (Italy)	Parallel session	June 24	11:30	Hall 6	Chair
Simonato M (Italy)	Parallel session	June 24	11:30	Hall 6	Speaker
Singh G (India)	Parallel session	June 24	11:30	Hall 4	Speaker
Siniatchkin M (Germany)	Parallel session	June 24	11:30	Hall 3	Speaker
Small DM (USA)	Parallel session	June 25	11:30	Hall 5	Speaker
Smith ML (Canada)	Special symposium	June 23	14:00	Hall 1	Speaker
0 111 111 (0 1)	Parallel session	June 25	11:30	Hall 5	Chair
Smith ML (Canada) Snead C (USA)	raiallel session	June 24	07:30	Hall J	Cildii

Name	Session Type	Date	Time	Room	Chair/Speaker
Snead C (USA)	Meet the experts	June 26	14:30	Hall 2	Chair
So E (USA)	Parallel session	June 26	11:30	Hall 2	Speaker
Stefan H (Germany)	Teaching session	June 24	07:30	Hall 5	Chair
Stefan H (Germany)	Teaching session	June 24	07:30	Hall 5	Speaker
Stefan H (Germany)	Teaching session	June 27	07:30	Hall 6	Speaker
Steinhäuser C (Germany)	Special symposium	June 23	14:30	Hall 2	Speaker
Steinhoff B (Germany)	Satellite symposium	June 24	18:00	Hall 1	Speaker
Steve T (Canada)	Meet the experts	June 26	14:30	Hall 3	Speaker
Swann J (USA)	Parallel session	June 25	11:30	Hall 2	Speaker
Tan CT (Malaysia)	Parallel session	June 24	11:30	Hall 7	. Chair
Tan CT (Malaysia)	Parallel session	June 24	11:30	Hall 7	Speaker
Tan CT (Malaysia)	ASEPA teaching course	June 26	07:30	Hall 2	Speaker
Tanaka T (Japan)	Special symposium	June 23	14:00	Hall 1	. Chair
Tanaka T (Japan)	Special symposium	June 23	14:00	Hall 1	Speaker
Tellez-Zenteno J (Canada)	Controversies	June 24	16:30	Hall 3	Speaker
Theodore WH (USA)	Teaching session	June 27	07:30	Hall 6	Chair
Tomson T (Sweden)	Parallel session	June 25	11:30	Hall 6	Chair
Tomson T (Sweden)	Parallel session	June 26	11:30	Hall 2	Speaker
Tomson T (Sweden)	Teaching session	June 27	07:30	Hall 5	Speaker
Tripathi M (India)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Tuchman R (USA)	Parallel session	June 24	11:30	Hall 3	Speaker
Van Bogaert P (Belgium)	Parallel session	June 23	17:00	Hall 2	Speaker
Van Bogaert P (Belgium)	Parallel session	June 23	17:00	Hall 2	Speaker
Van Emde Boas W (Netherlands)	Teaching session	June 24	07:30	Hall 4	Chair
Van Emde Boas W (Netherlands)	Teaching session	June 24	07:30	Hall 4	Speaker
Vezzani A (Italy)	Special symposium	June 23	14:30	Hall 2	Chair
Vezzani A (Italy)	Special symposium	June 23	14:30	Hall 2	Speaker
Vigevano F (Italy)	Parallel session	June 24	11:30	Hall 3	Speaker
Vigevano F (Italy)	Teaching session	June 25	07:30	Hall 5	Speaker
Vigevano F (Italy)	Parallel session	June 26	11:30	Hall 5	Chair
Vinayan KP (India)	Parallel session	June 26	11:30	Hall 5	Speaker
Wada J (Canada)	Special Symposium	June 23	14:00	Hall 1	Speaker
Walker M (United Kingdom)	Parallel session	June 23	17:00	Hall 1	Speaker
Walsh C (USA)	Main session	June 26	09:00	Hall 2	Speaker
Whiting S (Canada)	Teaching session	June 24	07:30	Hall 6	Chair
Whiting S (Canada)	Video Session	June 27	07:30	Hall 2	Chair
Whiting S (Canada)	Video Session	June 27	07:30	Hall 2	Speaker
Wiebe S (Canada)	Parallel session	June 24	11:30	Hall 7	Speaker
Wilcox K (USA)	Parallel session	June 25	11:30	Hall 3	Speaker
Williams E (United Kingdom)	Satellite symposium	June 24	07:00	Hall 3	Chair
Willingham L (Switzerland)	Parallel session	June 24	11:30	Hall 4	Speaker
Wilmshurst J (South Africa)	Controversies	June 25	16:30	Hall 2	Speaker
Wilson S (Australia)	Controversies	June 24	16:30	Hall 3	Speaker
Wolf P (Denmark)	Awards symposium	June 24	16:30	Hall 1	Chair
Yacubian E M (Brazil)	Curso Hispano ALADE	June 24	07:30	Hall 2	Speaker
Yamazaki M (USA)	Satellite symposium	June 26	07:30	Hall 3	Speaker
Young B (Canada)	Teaching session	June 26	07:30	Hall 7	Speaker
Zimba A (Zambia)	Epi-Quiz	June 27	11:30	Hall 2	Speaker
Zuberi S (United Kingdom)	Main session	June 26	09:00	Hall 1	Speaker

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SCIENTIFIC EXHIBITS

Sponsored Scientific Exhibits of posters will take place at the following times:

Company	Date & time	Room
Eisai, Inc.	Tuesday 25 th June, 08:00-13:00	515
Medtronic	Tuesday 25 th June, 14:00-17:00	514
UCB Pharma	Wednesday 26th June, 09:00-17:00	514

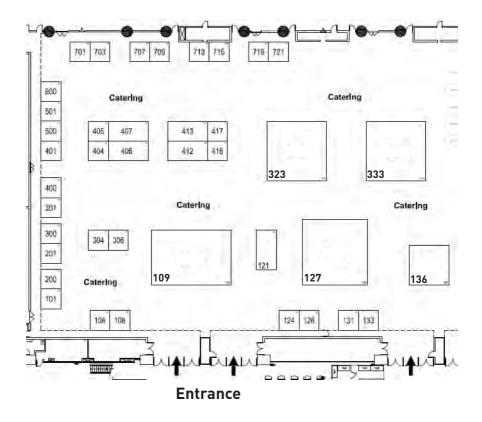
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EXHIBITOR LIST

EXHIBITION OPENING HOURS

Exhibitor	Stand no.
Ad-Tech Medical Instrument Corporation	131
American Epilepsy Society	407a
Blackrock-Micromed	715
Brain Products & Brain Vision LLC	126
Cadwell	124
Compumedics USA, Inc.	133
Courtagen Diagnostics Laboratory	707
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Dixi Medical	306
Dravet.ca	405
EB Neuro	709
Eisai Inc.	109
Electrical Geodesics, Inc.	304
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The John Hopkins University Press	713
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EXHIBITION FLOOR PLAN





Eisai is hosting a Perampanel Scientific Exchange Room

Tuesday, June 25, 2013 8:00 AM - 1:00 PM Palais des congrès de Montréal Room 515

This event is open to health care professionals only

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30th International Epilepsy Congress

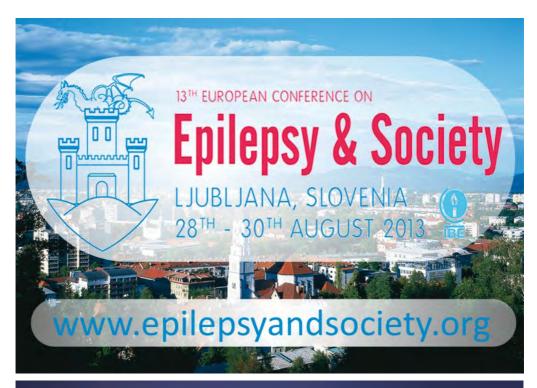
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PRESCRIBING INFORMATION

Please refer to the SPC before prescribing.

Presentation: Film-coated tablets: 2 mg, 4 mg, 6 mg, 8 mg, 10 mg, 12 mg perampanel.

Indication: Adjunctive treatment of partial-onset seizures with or without secondarily generalised seizures in patients with epilepsy aged 12 years and older.

Dose and administration: Adults and Adolescents: Starting dose is 2 mg daily. Dose should be titrated based on clinical response and tolerability by increments of 2 mg/day to a maintenance dose of between 4 mg/day to 12 mg/day. Dose should be taken orally once daily before bedtime. Patients who are taking concomitant medicinal products that do not shorten the half-life of perampanel should be titrated no more frequently than at 2-week intervals. Patients who are taking concomitant medicinal products that shorten the half-life of perampanel should be titrated no more frequently than at 1-week intervals. Withdraw gradually.

Elderly and patients with renal or hepatic impairment: Dosage adjustments not required in elderly patients. Dosage adjustments not required in mild renal impairment, not recommended in patients with moderate or severe renal impairment or patients undergoing haemodialysis. Caution in mild or moderate hepatic impairment, titration should not be faster than every 2 weeks and maximum daily dosage not exceeding 8 mg. Not recommended in severe hepatic impairment.

Children and adolescents under 12 years: No data available.

Contra-Indications: Hypersensitivity to perampanel or any excipient.

Pregnancy: Not recommended.

Lactation: Unknown if excreted into breast milk. A decision whether to discontinue breastfeeding or to discontinue/ abstain from Fycompa therapy taking into account the benefit of breastfeeding for the child and the benefit of therapy for the woman.

Warnings and Precautions: Monitor for signs of suicidal ideation and behaviours and consider appropriate treatment. Perampanel may cause dizziness and somnolence and therefore may influence the ability to drive or use machines. At doses of 12 mg/day, Fycompa may decrease the effectiveness of progestative-containing hormonal contraceptives. There appears to be an increased risk of falls, particularly in the elderly. Cases of aggression have been reported and dose titration should be followed; a dose reduction should be considered in case of persistence of aggressive symptoms. Caution should be exercised in database of 143 adolescents, the frequency, type, and patients with a history of substance abuse and the patient severity of adverse reactions in adolescents are expected to should be monitored for symptoms of perampanel abuse. be the same as in adults.

Patients should be closely monitored for tolerability and clinical response when adding or removing cytochrome P450 inducers or inhibitors, or switching from concomitant non-inducer anti-epileptic medicinal products to enzyme inducing medicinal products and vice versa, since perampanel plasma levels can be decreased or increased; the dose of perampanel may need to be adjusted accordingly. There are no data regarding the effects of withdrawal of concomitant anti-epileptic medicinal products to achieve monotherapy with perampanel. Fycompa contains lactose, therefore patients with rare hereditary problems of galactose intolerance, the Lapp lactase deficiency or glucose-galactose malabsorption should not take this medicine.

Drug Interactions: The possibility of decreased efficacy of progestative-containing oral contraceptives should be considered for women needing Fycompa 12 mg/day and an additional reliable method (intra-uterine device (IUD), condom) is to be used. Carbamazepine, phenytoin, oxcarbazepine and topiramate have been shown to increase perampanel clearance and consequently to decrease plasma concentrations of perampanel. Fycompa did not affect in a clinically relevant manner the clearance of clonazepam, levetiracetam, phenobarbital, phenytoin, topiramate, zonisamide, carbamazepine, clobazam, lamotrigine and valproic acid. The effect of perampanel on monohydroxycarbazepine concentrations is not known. Fycompa (6 mg once daily for 20 days) decreased midazolam AUC by 13% in healthy subjects. Strong inducers of cytochrome P450, such as rifampicin and hypericum, are expected to decrease perampanel concentrations. Felbamate has been shown to decrease the concentrations of some drugs and may also reduce perampanel concentrations. Ketoconazole, a CYP3A4 inhibitor, increased perampanel AUC by 20% and prolonged perampanel half-life by 15%. Strong inhibitors of other cytochrome P450 isoforms could potentially also increase perampanel concentrations. Fycompa, used in combination with other central nervous system (CNS) depressants such as alcohol, can increase levels of anger, confusion, and depression. The effects of perampanel on tasks involving alertness and vigilance, such as driving ability, were additive or supra-additive to the effects of alcohol.

Side effects: Adverse reactions most commonly lead to discontinuation of perampanel were dizziness and somnolence. Refer to SPC for all side effects. Very common effects (≥1/10): dizziness, somnolence. Common effects (≥1/100, <1/10: decreased appetite, increased appetite, aggression, anger, anxiety, confusional state, ataxia, dysathria, balance disorder, irritability, diplopia, vision blurred, vertigo, nausea, back pain, gait disturbance, fatigue, weight increased, falls. Based on the clinical trial

Date of preparation: May 2013 Perampanel-FYCEVMS-0027

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For the adjunctive treatment of partial-onset seizures...

FIGHT NEURONAL **HYPEREXCITATION**

New Fycompa¹

- The first and only licensed postsynaptic AMPA* receptor antagonist
- Demonstrated efficacy across all partial-onset seizure types, including complex partial and secondarily generalised seizures
- Simple, once-daily oral dosing at bedtime

Adverse events: In clinical trials, adverse reactions occurring in ≥5% of total patients included dizziness (32%), somnolence (15%), fatigue (9%), irritability (8%), falls (6%), and nausea (6%).2

Special Warnings and Precautions for use1:

Suicidal Ideation: A small risk of suicidal ideation and behaviour has been shown with antiepileptic medicines. The mechanism is not known, and the available data do not exclude the possibility of an increased risk for perampanel.

Nervous system disorders: Perampanel may cause dizziness and somnolence and therefore influence the ability to drive or operate machinery. Falls: There appears to be an increased risk of falls, particularly in the elderly. The mechanism is not known.

Aggression: Cases have been reported with perampanel, with the frequency increasing at higher doses. Most cases were mild to moderate and recovered either spontaneously or with dose adjustment. Some reports of aggression were severe however, and led to discontinuation. Dose reduction should be considered in cases of persistent aggressive symptoms.

The information contained herein does not necessarily reflect the content of the approved Canadian product monograph. FYCOMPA (perampanel) is indicated in Canada as adjunctive therapy in the management of partial-onset seizures in adult patients with epilepsy who are not satisfactorily controlled with conventional therapy. For Canada-specific information on warnings and precautions, adverse reactions and dosing, please refer to the FYCOMPA product monograph.

FYCOMPA IS NOW APPROVED[†]

For the adjunctive treatment of partial-onset seizures with or without secondary generalisation in patients aged 12 years and older.‡

PLEASE SEE PRESCRIBING INFORMATION ON ADJACENT PAGE

- *AMPA: α-amino-3-hydroxy-5-methyl-4-isoxazole-propionic acid.
 †Fycompa is approved for use in the European Union.
 †This indication is based on the European Union label.

References: 1. Fycompa Summary of Product Characteristics. Eisai Europe Limited; 2013. 2. Perampanel data on file PER016, August 2012.



NEW TARGET. NEW POTENTIAL.



CNS-PRM-022331-052013