

DRAFT

**2014 BIENNIAL CANADIAN EPILEPSY MEETING
PROGRAM**

CANADIAN LEAGUE AGAINST EPILEPSY

OCTOBER 17-19, 2014

LONDON, ONTARIO

LONDON CONVENTION CENTER

2014 CANADIAN BIENNIAL EPILEPSY MEETING

The Canadian League Against Epilepsy (CLAE) is one of 98 chapters of the International League Against Epilepsy (ILAE). The CLAE is an organization of medical and basic sciences professionals counting more than 125 members, including physicians, basic scientists, nurses, neuropsychologists, neuroradiologists, students and other health professionals. Our members are all keen to take advantage of their passions and their knowledge in their respective fields to better respond to various basic needs of the epilepsy population, present and future. We also work in collaboration with several organizations such as the Canadian Epilepsy Alliance, the American Epilepsy Society and the North American Commission for Epilepsy. The Canadian Biennial Epilepsy Meeting is the largest Canadian meeting of those who share the common scientific and clinical interests of epilepsy and clinical neurophysiology.

MISSION STATEMENT

Our goal is to develop, through research, innovative therapeutic and preventative strategies to avoid the consequences of epilepsy. We also want to translate these discoveries into applicable therapies for all Canadians. Finally, we want to promote national awareness and educate all Canadians about epilepsy and its consequences with the help of the Canadian Epilepsy Alliance.

MEETING OBJECTIVES

The main objectives of the meeting are to:

- Learn about the latest and emerging basic science and clinical research discoveries in the field of epilepsy.
- Learn about the different advances in neuroimaging techniques in the assessment of patients with epilepsy.
- Discuss the up-to-date management of epilepsy
- Discuss the barriers encountered by patients and treating physicians regarding stigma and driving.
- Enhance interactions among health professionals and researchers of the different disciplines of epilepsy
- Learn about the current situation of epilepsy care across the country.

POLICY ON COMMERCIAL SUPPORT AND CONFLICT OF INTEREST

All faculty and planners are required to disclose any conflict of interest during their presentations.

CONTINUING PROFESSIONAL DEVELOPMENT

The Department of Continuous Medical Education at the Schulich School of Medicine, Western University has approved an Accredited Group Learning Activity under section 1 of the Framework of Continuing Professional Development options for the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

EXHIBITS

Meeting participants will have an ideal opportunity to learn about the latest in pharmaceutical, publications, scientific equipment and technology relevant to the field of epilepsy and neurophysiology. The commercial exhibits will take place on Saturday October 18th from 0800-1700 and Sunday October 19th from 0800 – Noon.

HOTEL INFORMATION

The Hilton London Ontario hotel is located in the heart of downtown London, Ontario. This London, ON hotel is located just 15 km from the London International Airport (YXU), three blocks from Via Rail Station, the Greyhound Bus Terminal, and minutes from the 401 Highway. This hotel in London, Ontario is connected to the London Convention Center via heated skywalk and is only three blocks from Budweiser Gardens.

With 18 meeting rooms, the Hilton London Ontario hotel is the perfect base to enjoy a productive stay. Relax in the fitness center, pool, sauna and whirlpool, and visit nearby Ontario attractions. With 18 meeting rooms, a Grand Ballroom, and a total of 30,000 sq. ft. of meeting space, the Hilton London Ontario is the ideal location to host corporate functions, conferences and social events. The Grand Ballroom makes the perfect wedding venue in London, Ontario, and the onsite pool and whirlpool are ideal for relaxing after a hectic day. Guests can also unwind with an HDTV in every bedroom.



Day 1: October 17th 2014 (FRIDAY)

5:00 pm: Annual General Meeting

6:00 pm: Dr. Nizam Ahmed (CLAE President)

6:15 pm: Presidential Lecture: Dr. Nathalie Jette (Incoming CLAE President)

6:45 pm: Dr. Michael Poulter: Improving the relationship between Basic Scientists and Clinicians

7:00 pm: Dr. Gregory Worrell (Mayo Clinic)

8:00 pm: Wrap up for the day

Day 2: October 18th, 2014 (SATURDAY)

7:00 am: Breakfast

8:00 am: PLENARY SESSION:

Title: **Epilepsy in Canada: How are we doing?** (Chair: Dr. Sharon Whiting, University of Ottawa)

Learning Objectives:

- To discuss the state of epilepsy in Canada from a provincial lens.
- What strategies are being used, what are working, what could be adopted by others.

Target audience: Epileptologists, Epilepsy Surgeons, Nurses, Administrators, Residents, Fellows.

Topics and Speakers:

- Update on epilepsy in Ontario* (Dr. Carter Snead, University of Toronto)
- Update on epilepsy in Alberta* (Dr. Sam Wiebe, University of Calgary)
- Update on epilepsy in Quebec* (Dr. Lionel Carmant, University of Montreal)

10:00 am: Break

10:15 am: BREAKOUT SESSIONS

Session 1 Epileptic Encephalopathies (Chair: Dr. Rajesh RamachandranNair, MacMaster University)

Learning Objectives:

- To understand the concept of epileptic encephalopathy, and appreciate with examples that all epilepsies, if severe enough, can produce an encephalopathy.
- To understand the link between infantile spasm and autism, the role of mTor in synaptic functions, and mTor as a target for infantile spasm and co-morbidity therapy.
- To recognize the clinical presentations and management options of childhood onset epileptic encephalopathies in the adults, and the associated comorbidities.

- To understand the challenges associated with the traditional definition of encephalopathy associated with ESES, and need for a better assessment tool to aid optimal therapy.
- To understand the role of dietary therapy in the treatment of epileptic encephalopathy.

Target Audience: Epileptologists, Neurologists, Residents, Fellows, Neuropsychologists, Neurogeneticists, Dieticians, and Basic science investigators.

Topics and Speakers:

- Epileptic encephalopathy* (Dr. Peter Camfield, Dalhousie University)
- Infantile Spasms: what is new in treatment?* (Dr. Lionel Carmant, University of Montreal)
- Encephalopathy associated with ESES: Counting beyond spikes* (Dr. Rajesh Ramachandran Nair, McMaster University)
- Epileptic Encephalopathy: Frightening pediatric disorders that often persist into adulthood* (Dr. Danielle Andrade, University of Toronto)
- Epileptic Encephalopathy: Is there a role for dietary therapy?* (Dr. Morris Scantlebury, University of Calgary)

Session 2 Video-EEG Monitoring in critically-ill patients (Chair: Dr. Dang K Nguyen, University of Montreal)

Learning Objectives:

- To review the nomenclature of commonly encountered EEG patterns in critical ill patients.
- To review the cellular mechanisms underlying commonly encountered EEG patterns in critically ill patients such as burst-suppression, periodic discharges and SIRPIDS.
- To review and compare the different definitions of non-convulsive status epilepticus in the literature.
- To review the different criteria used to diagnose non-convulsive status epilepticus.
- To review the intra-rater, inter-rater ratio for diagnosing non-convulsive status epilepticus.
- To review the evidence whether non-convulsive status epilepticus results in additional brain injury.
- To review the evidence whether treatment of non-convulsive status epilepticus is beneficial.

Target Audience: Neurologists, Epileptologists, Residents, Fellows, Basic scientists.

Topics and Speakers:

- Common video-EEG patterns during continuous video-EEG monitoring in critically ill patients* (Dr. Nathalie Jette, University of Calgary)
- Pathophysiology of common video-EEG patterns seen in critically ill patients* (Dr. Florin Amzica, University of Montreal)
- What is non-convulsive status epilepticus?* (Dr. G Bryan Young, Western University)
- Is there any evidence that the treatment of non-convulsive status epilepticus is beneficial?* (Dr. Cecil Hahn, University of Toronto)

12:15 pm: Satellite Symposium- Sponsored by NOVARTIS (Lunch provided)

1:00 pm: Poster Tour (Authors to stand by their posters)

2:00 pm: BREAKOUT SESSIONS

Session 1: SIG: Surgical Failures (Chair: Dr. Andrew Parrent, Western University)

Learning Objectives:

- To identify cases of medically-refractory epilepsy who are candidates for surgery.
- To discuss the different techniques of non-invasive and invasive evaluation in cases of medically refractory epilepsy.
- To discuss the surgical approaches for epilepsy surgery.
- To identify commonalities in cases with failure to epilepsy surgery.
- To discuss cases with experts from different Canadian epilepsy centers.

Target Audience: Neurosurgeons, Epileptologists, Epilepsy fellows, Neurosurgery and Neurology residents.

Topics and speakers:

- a. *Case from London, ON* (Dr. Jorge Burneo/Dr. Andrew Parrent, Western University)
- b. *Case from Halifax, NS* (Dr. Mark Sadler, Dalhousie University)
- c. *Case from Calgary, AB* (Dr. Walter Hader, University of Calgary)
- d. *Case from Montreal, QC* (Dr. Dang Nguyen/Dr. Alain Boutillier, University of Montreal)

Session 2: Stigma, Barriers and Driving (Chair: Dr. Jeffrey Jirsch, University of Alberta)

Learning Objectives :

- To discuss the epidemiology, predictors and causes of stigma in epilepsy.
- To discuss the impact of social factors upon the quality of life of our patients.
- To identify institutionalized barriers to employment and driving that impact the social integration of people with epilepsy.
- To discuss the wider implications of psychosocial factors upon the clinical management of people with epilepsy.

Target Audience: Neurologists, Epileptologists, Residents, Nurses and Other Allied Health Professionals.

Topics and Speakers:

- a. *Stigma in Epilepsy – Who, where and why?* (Dr. Nathalie Jette, University of Calgary)
- b. *The Importance of Social Factors upon Quality of Life in People with Epilepsy* (Dr. Kathy N Speechley, Western University)
- c. *Barriers to Employment in Epilepsy* (Dr. Jose Tellez-Zenteno, University of Saskatchewan)

- d. *Driving Restrictions in Seizure Patients: Are they effective?* (Dr. Jeffrey Jirsch, University of Alberta)

4:00 pm: Break

4:15 pm: **BREAKOUT SESSIONS**

Session 1: SIG: Basic Science (Chair: Dr. Michael Poulter, Western University)

Session 2: Genetic Counseling in Epilepsy (Chair: Dr. Eva Andermann, McGill University)

6:15 pm: Wrap up for the day

6:30 pm: **Social hour:** A Tour/visit to The Canadian Hall of Fame

7:00 pm: Dinner (London Convention Center)

Day 3: October 19th, 2014 (SUNDAY)

7:30 am: Breakfast

8:30 am: **PLENARY SESSION: Special Session from the Canadian Epilepsy Alliance**

Title: **Working together to improve epilepsy care in Canada** (Moderator: Gail Dempsey, CAE President)

Learning Objectives:

- A greater appreciation of the complexity of epilepsy from the perspective of individuals and their families will help clinicians to provide a more person-centred approach to their care.
- The goal of the session is to understand epilepsy from the perspective of the family that lives with the condition on a daily basis.
- It is also to look at opportunities for enhanced CLAE/CEA collaboration to improve epilepsy care in Canada.

Topics and speakers:

- a. *Ultimate success in Epilepsy: A Patient's perspective* (Person living with epilepsy)
- b. *Improving access to medications* (Dr. Suzanne Nurse, Epilepsy Ontario)
- c. *From clinic to community: A self-management program* (Mrs. Mary Secco, Epilepsy Support Centre, London)
- d. *Political Advocacy: Provincial and National Initiatives* (Dianne McKenzie)
- e. *How can the CLAE/CEA collaborate to improve Epilepsy Care in Canada?* (Round Table)

10:00 am: Break

10:15 am: BREAKOUT SESSIONS

Session SIG: NeuroImaging in Epilepsy (Chair: Dr. Donald Gross, University of Alberta)

Session 2: Ictal Semiology (Chair: Dr. Jorge Burneo, Western University)

Learning Objectives:

- To discuss ictal seizure semiology, focusing on seizure onset and patterns of seizure propagation.
- To compare seizure semiology with presurgical investigation results, including data from invasive recordings (if available) and outcome following surgical intervention.

Target Audience: Neurologists, Neurosurgeons, Residents, Nurses, Medical and Nursing Students.

Topics and Speakers:

- a. *A case from the maritimes* (Dr. Mark Sadler, Dalhousie University)
- b. *French Canadians seize too?* (Dr. Richard Debiens, Quebec City)
- c. *Experience from the prairies* (Dr. Jose Tellez-Zenteno, Saskatoon)
- d. *A case from Ontario* (Dr. Jorge Burneo, Western University)

12 noon: Wrap up

POSTERS

Display: Posters will be on displayed Saturday October 18th from 0800 to 1700

Titles and Presenters:

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