



CANADIAN LEAGUE AGAINST EPILEPSY SCIENTIFIC MEETING PROGRAM

SEPTEMBER 20-22, 2019
THE FORT GARRY HOTEL, SPA AND CONFERENCE CENTRE
WINNIPEG, MANITOBA

LIGUE CANADIENNE CONTRE L'ÉPILEPSIE PROGRAMME, RÉUNION SCIENTIFIQUE

20-22 SEPTEMBRE 2019
L'HÔTEL FORT GARRY, SPA ET CENTRE DE CONFÉRENCE
WINNIPEG, MANITOBA



WELCOME FROM THE DIRECTOR OF EDUCATION

Dear CLAE members and friends,

Welcome to the 2019 Canadian League Against Epilepsy Meeting!

The CLAE Education Committee has organized an exciting and diverse program for this year's meeting in Winnipeg! Our keynote speaker is Dr. Jorge Gonzalez-Martinez, who will talk about Laser Interstitial Thermal Therapy for Epilepsy. This year's plenary sessions will highlight neuromodulation and epilepsy, and discuss the latest clinical database research in epilepsy. Additional sessions will include topics relevant to basic science, neuroimaging, paediatric and clinical epilepsy.

We will also host platform presentations from the four top-ranked trainee abstracts.

Thank you to the Education committee who has worked hard to develop content with speakers, review proposals and abstracts and develop this program.

We expect that this year's meeting program will be of interest to a broad audience, including neurologists, neurosurgeons, neuropsychologists, nurses, other allied health professionals, and basic scientists. I hope that you will enjoy the meeting. I look forward to seeing you there.

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Sincerely,



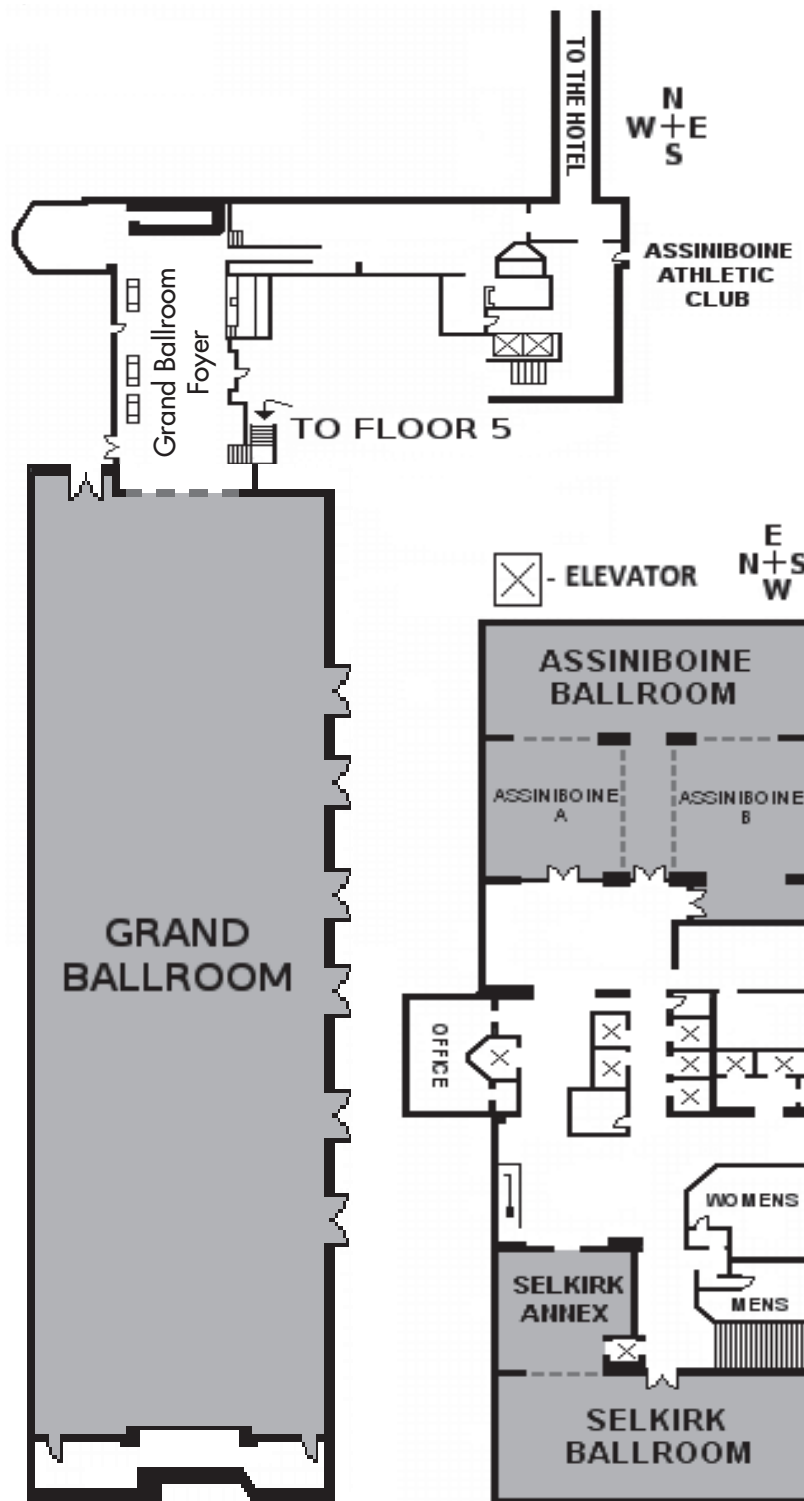
Mark Keezer MDCM, PhD
Director of Education, CLAE

CLAE 2019 Education Committee

Mark Keezer, Chair

- David Dufresne
- Paolo Federico
- Steve Gibbs
- Walter Hader
- Linda Huh
- Mary Pat McAndrews
- Aylin Reid
- Gillian Reid-McDonald
- Tiffany Townsend

HOTEL FLOOR PLAN / PLAN DE L'HÔTEL



The AGM and plenary sessions will take place in the Grand Ballroom (4th floor). Breakout sessions will be held in the Grand Ballroom (4th floor) and Assiniboine ballroom (5th floor) and the poster session will be held in the Selkirk Ballroom (5th floor). Please ensure you take the time to visit the exhibit booths in the Grand Ballroom foyer!

L'assemblée générale et les sessions plénières se tiendront dans la salle 'Grand Ballroom' (4^e étage). Les sessions en petits groupes se tiendront dans la salle 'Grand Ballroom' (4^e étage) et la salle 'Assiniboine Ballroom' (5^e étage). La session des affiches aura lieu dans la salle 'Selkirk Ballroom' (5^e étage). Réservez-vous du temps pour visiter les kiosques d'exposition dans le foyer du 'Grand Ballroom'!

FLOOR 4

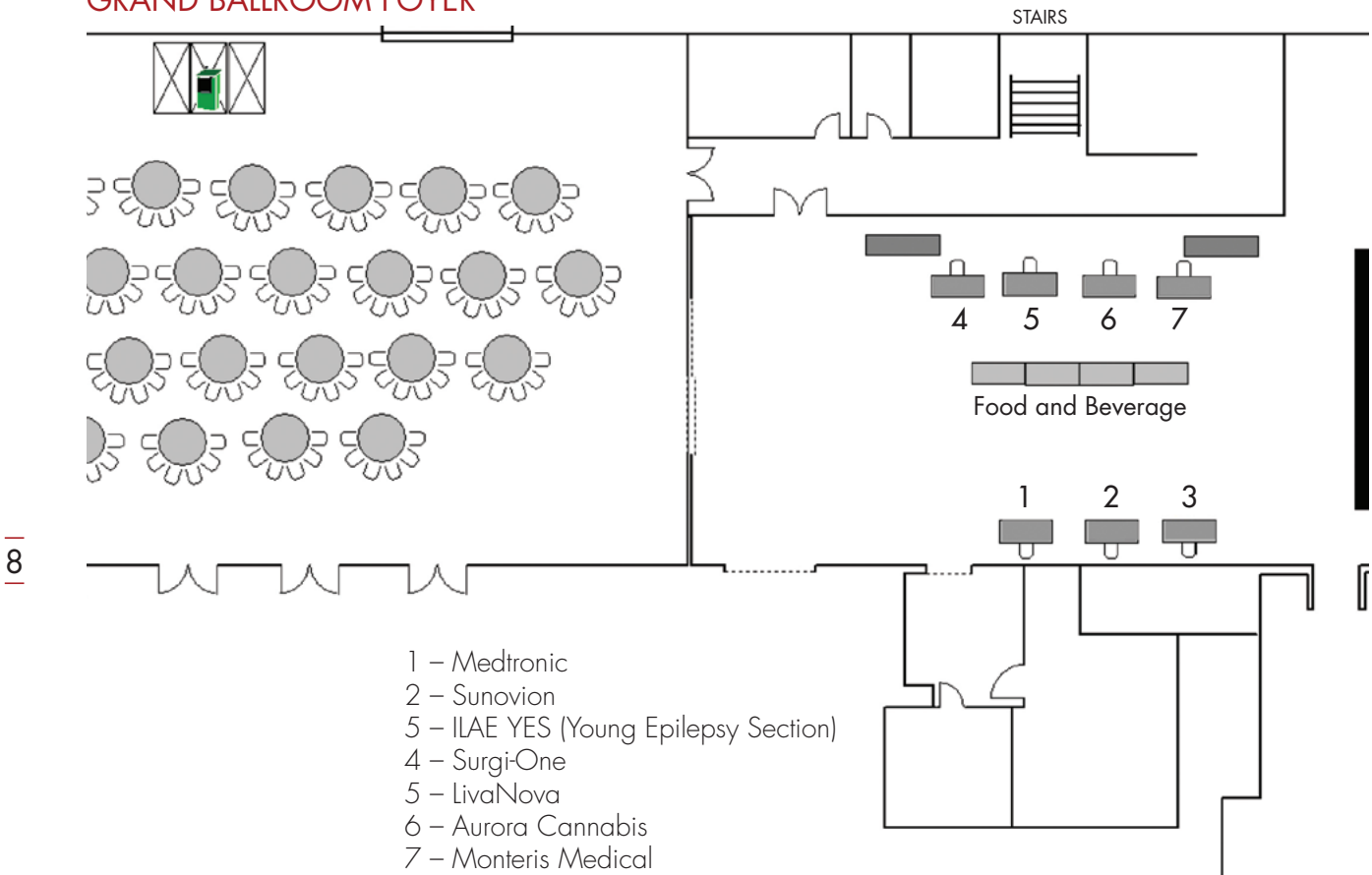
FLOOR 5



@CLAE_LCCE
#CLAE2019

EXHIBIT HALL / HALL D'EXPOSITION

GRAND BALLROOM FOYER



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EXHIBITS / EXPOSANTS

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 Friday, September 20 from 4:00 p.m. to 6:00 p.m., Saturday, September 21 from 7:30 a.m. to 5:15 p.m. and Sunday, September 22 from 7:30 a.m. to 12:30 p.m.



We invite all delegates to participate in the exhibit hall passport contest! By visiting all of the exhibitors, delegates are eligible to win prizes. Please see the registration desk onsite for more information!

Les participants au congrès auront l'occasion de découvrir les plus récents développements au niveau pharmaceutique, équipement scientifique et technologie en lien avec l'épilepsie et la neurophysiologie. Les kiosques commerciaux se tiendront le vendredi 20 septembre de 16h à 18h, le samedi 21 septembre de 7h30 à 17h15 et le dimanche 22 septembre de 7h30 à 12h30.

Nous invitons tous les délégués à participer au concours du passeport dans la salle d'exposition. En visitant tous les exposants, les délégués sont éligibles à des prix. Pour plus d'informations, venez nous voir au kiosque d'inscription.

2019 CLAE FUN RUN/WALK: DID YOU REGISTER YET?

The CLAE is holding its 4th Annual Fun Run/Walk to raise funds for CLAE awards and projects! If you have not already registered and would like to participate please see the registration desk!

- When: Saturday, September 21 at 6:15 a.m.
- Location: Meet in the lobby of the Fort Garry Hotel, Spa and Conference Centre at 6:15 a.m.
- Details: 3 km walk or 5 km run
- Entry Fee: \$35.00

Did you know that 80% of funds are raised within the first and last 3 days?

WE CAN'T FUNDRAISE WITHOUT YOU!

The CLAE is on a mission to enable people with epilepsy to live their lives fully despite the constraints of this neurological disorder. Your donations are essential to fuel the research required to improve patient care. With your generosity, people with epilepsy and members of the Canadian league will have a new breath of hope and courage to pursue their dreams – thanks to your help where it's needed.

Together, we can make a difference in the future of Epilepsy.

Please help us reach our goal of \$5,000 to surpass previous years' funding and achieve a new milestone by donating today!

Visit claegroup.org/2019-Fundraising to make a donation today or see the registration desk!

3 km BLUE ROUTE
for walkers

5 km RED ROUTE
for runners

CLAE 2019 Fun Run/Walk
Saturday, September 21 at 6:15 AM
The Fort Garry Hotel, Spa & Conference Centre

Scan the QR Codes to get the interactive map directly onto your phone.

Run Route Walk Route

For more information on how to participate or donate, please see the registration desk.

LA COURSE/MARCHE 2019 DE LA LCCE: ÊTES-VOUS INSCRITS?

La LCCE tiendra la 4^e édition de la Course/Marche annuelle pour lever des fonds pour financer les prix et projets de la LCCE. Si vous n'êtes pas encore inscrits et désirez participer, vous êtes priés de vous présenter au kiosque d'enregistrement.

Quand: Samedi le 21 septembre 2019 à 6h15 (AM).

Où: Point de rencontre dans le hall d'entrée du Fort Garry Hotel, Spa and Conference Centre.

Distance: Marche de 3 km ou course de 5 km

Prix d'entrée: \$35

Savez-vous que 80% des fonds sont levés dans les 3 premiers et derniers jours?

NOUS AVONS BESOIN DE VOUS!

La mission de la LCCE est de permettre aux personnes épileptiques de vivre pleinement leur vie malgré les contraintes de leur condition neurologique. Vos dons sont essentiels pour appuyer la recherche requise pour améliorer leurs soins. Votre générosité insufflera un vent d'espoir et de courage aux personnes épileptiques et les membres de la LCCE dans la poursuite de leurs rêves.

Ensemble, nous pouvons faire une différence pour l'avenir de l'épilepsie.

Donnez dès aujourd'hui pour que nous puissions atteindre notre objectif de \$5,000 et ainsi surpasser nos éditions antérieures.

Pour faire votre don, rendez-vous au claegroup.org/2019-Fundraising ou présentez-vous au kiosque d'enregistrement.

3 km BLUE ROUTE for walkers
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Run Route
Walk Route

For more information on how to participate or donate, please see the registration desk



CANADIAN LEAGUE AGAINST EPILEPSY SCIENTIFIC MEETING

The 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 175 members including physicians, basic scientists and other researchers, nurses, neuropsychologists, students and other health professionals. Our members are all keen to take advantage of their passion and knowledge in their respective fields to better respond to various basic needs of the epilepsy population, both present and future. We also work in collaboration with several organizations such as the Canadian Epilepsy Alliance (CEA), the American Epilepsy Society and the North American Commission of the ILAE. The CLAE Scientific 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.

POLICY ON COMMERCIAL SUPPORT AND CONFLICT OF INTEREST

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

OVERALL LEARNING OBJECTIVES

- Integrate a deeper understanding of alternative surgical therapies for epilepsy, including laser interstitial thermal therapy and neuromodulation.
- Apply the most advanced imaging techniques as well as appreciate instructive complications and failures in epilepsy surgery.
- Recognize the advances in epilepsy care and research of the Prairie Provinces.
- Describe a number of growing areas of interest in epilepsy, including: novel mechanisms, targets, and biomarkers in epilepsy; the impact of childhood epilepsy on outcomes; controversies in experimental models in epilepsy; clinical database research in epilepsy; autonomic dysfunction in epilepsy.

ACCREDITATION

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by the CPD Medicine Program, University of Manitoba for a maximum of 12.0 hours. Participants should only claim credit for the actual number of hours attended. The University of Manitoba CPD Medicine Program is fully accredited by the Committee on Accreditation of Continuing Medical Education (CACME).



RÉUNION SCIENTIFIQUE DE LA LIGUE CANADIENNE CONTRE L'ÉPILEPSIE

La Ligue Canadienne Contre l'Épilepsie (LCCE) est l'une des 98 sections de la Ligue Internationale Contre l'Épilepsie (LICE). La LCCE est un organisme regroupant plus de 175 professionnels de la santé et des sciences fondamentales, notamment des médecins, des cliniciens-chercheurs, des chercheurs en sciences fondamentales, des infirmières, des neuropsychologues, des étudiants et d'autres professionnels de la santé. Nos membres ont tous à cœur d'utiliser leurs connaissances dans leurs domaines respectifs pour mieux répondre aux divers besoins actuels et futurs de la population atteinte d'épilepsie. Nous travaillons aussi en collaboration avec plusieurs organisations, dont l'Alliance canadienne de l'épilepsie (ACE), l'American Epilepsy Society et la Commission nord-américaine de la LICE. La réunion scientifique annuelle de la LCCE est le plus grand rassemblement canadien des personnes qui s'intéressent à l'épilepsie et à la neurophysiologie clinique d'un point de vue scientifique et clinique.

ÉNONCÉ DE MISSION

Notre but est de développer, via la recherche, des stratégies thérapeutiques et préventives novatrices pour éviter les conséquences de l'épilepsie. Nous voulons aussi transformer ces découvertes en des thérapies pouvant être offertes à tous les Canadiens. Enfin, nous voulons promouvoir la sensibilisation nationale et éduquer tous les Canadiens sur l'épilepsie et ses conséquences en collaboration avec l'Alliance canadienne de l'épilepsie.

POLITIQUE SUR L'APPUI COMMERCIAL ET LES CONFLITS D'INTÉRÊTS

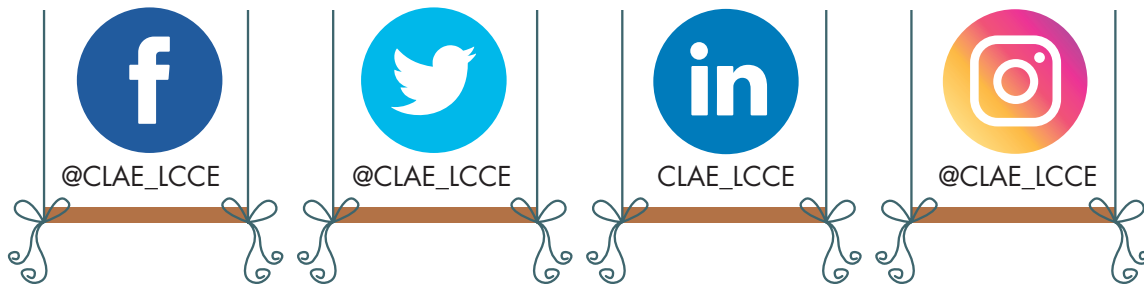
Tous les présentateurs et organisateurs doivent divulguer leurs conflits d'intérêts au début de leurs présentations.

OBJECTIFS D'APPRENTISSAGE GÉNÉRAUX

- Intégrer une compréhension approfondie des thérapies chirurgicales alternatives pour l'épilepsie, incluant la thermothérapie interstitielle au laser et la neuromodulation.
- Appliquer les nouvelles techniques d'imagerie pour la chirurgie d'épilepsie; apprendre des échecs et des complications de la chirurgie d'épilepsie.
- Reconnaître les avancées en soins et recherche dans les Prairies canadiennes.
- Décrire des champs d'intérêts grandissant en épilepsie incluant : nouveaux mécanismes, cibles et biomarqueurs en épilepsie; l'impact de l'épilepsie de l'enfance sur le fonctionnement cognitif, comportemental et socio-affectif, controverses sur divers modèles expérimentaux d'épilepsie; base de données cliniques pour la recherche en épilepsie; dysfonction autonome en épilepsie.

Get in the SOCIAL SWING! @CLAE_LCCE

You can now connect with us on the following official CLAE social media pages:



Hangout with us on social media for all the latest news and highlights!
We hope to talk to you there. Don't forget to turn on post notifications so you never miss a post!

*JOIN US!
Become a member!*



MEMBERSHIP WITH CLAE

On all occasions, we want to ensure that the content we create and deliver is beneficial to you. For that reason, please don't hesitate to reach out to us at CLAE@secretariatcentral.com with any ideas you may have and what you'd like to see. We are always looking for ways to expand Benefits of Membership – and what better way than to hear from you!

To our members, thank you for continuing to renew your membership with CLAE. Together, we can make a difference in the future of Epilepsy.

If you are not yet a member...we hope you'll join our community! We welcome interdisciplinary members to diversify our knowledge and provide platforms whereby healthcare professionals and researchers can network; have access to award opportunities, conference discounts, important communications within the Epilepsy community, newsletters and much more! Visit claegroup.org/members and become a member of CLAE today!

PROGRAM

SATURDAY, SEPTEMBER 21, 2019

TIME	DESCRIPTION	ROOM
3:15 p.m.	BREAKOUT SESSIONS (cont'd)	
Session 2-B	BIOMARKERS IN EPILEPSY (cont'd) TOPICS AND SPEAKERS: (cont'd) Local Field Potential Dynamics During Epileptogenesis Prior to the Onset of Epilepsy Dr. Olga Bukhtiyarova, Université Laval Mechanism-based Blood-brain Barrier Imaging in Post-injury Epileptogenesis: Predictive, Diagnostic and Pharmacodynamic Biomarkers Ellen Parker, Dalhousie University LEARNING OBJECTIVES: <ul style="list-style-type: none"> • Describe the changes of interictal events during epileptogenesis in an extended kindling mouse model. • Assess the changes in blood flow and oxygen dynamics during and following seizures. • Identify the use of local field potentials to predict the development of epilepsy after severe brain trauma. • Distinguish the roles of biomarkers in epileptogenesis and epilepsy, and how novel imaging may help. TARGET AUDIENCE: Basic scientists, trainees, neurologists, neurosurgeons, allied health professionals	Assiniboine Ballroom, 5 th floor
5:00 p.m.	BREAK AND EXHIBITOR AND DELEGATE NETWORKING	Grand Ballroom Foyer, 4 th floor
5:15 p.m.	BREAKOUT SESSIONS (ends at 7:00 p.m.)	
Session 3-A	ADVANCED IMAGING FOR EPILEPSY SURGERY Chairs: Dr. Alexander G. Weil, Université de Montréal and Dr. Jonathan C. Lau, Western University TOPICS AND SPEAKERS: Structural MRI Post-processing Methods Dr. Andrea Bernasconi, McGill University Identifying the Seizure Focus Using Imaging: Beyond MRI Dr. Kristin Ikeda, Dalhousie University Image Processing Methods for Patients Undergoing Intracranial EEG: A Primer Dr. Jonathan C. Lau, Western University Use of Brain Structural Connectivity to Predict Seizure Response to VNS Dr. George Ibrahim, The Hospital for Sick Children	Grand Ballroom, 4 th floor

PROGRAM

SUNDAY, SEPTEMBER 22, 2019

TIME	DESCRIPTION	ROOM
8:30 a.m. Plenary	<p>DREAM BIG! CLINICAL DATABASE RESEARCH IN EPILEPSY (cont'd)</p> <p>LEARNING OBJECTIVES (cont'd):</p> <ul style="list-style-type: none"> Comprehend a novel approach to establishing a Canadian national clinical database using the standardized collection of core data elements, and how these data can be linked to EEG, MRI, and genetic sources of data to create a truly national 'big data' repository. <p>TARGET AUDIENCE: Physicians, basic scientists, neuropsychologists, nurses and nurse practitioners, graduate students and research assistants</p>	Grand Ballroom, 4 th floor
10:15 a.m.	BREAK AND EXHIBITOR AND DELEGATE NETWORKING	Grand Ballroom Foyer, 4 th floor
10:45 a.m.	BREAKOUT SESSIONS	
Session 4-A	<p>COMPLICATIONS, FAILURES AND OTHER UNEXPECTED OUTCOMES FOLLOWING EPILEPSY SURGERY</p> <p>Chair: Dr. Jorge Burneo, Western University</p> <p>SPEAKERS: Dang K. Nguyen, Université de Montréal Dr. Andrew Parrent, Western University Dr. Walter Hader, University of Calgary</p> <p>LEARNING OBJECTIVES:</p> <ul style="list-style-type: none"> Relate the pre-surgical assessment of patients with intractable epilepsy and the process of thinking prior to surgery. Assess the different surgical procedures. Assess different outcomes following epilepsy surgery. <p>TARGET AUDIENCE: Epileptologists, epilepsy surgeons, general neurologists, fellows, residents, medical students, neuropsychologists, allied health professionals</p>	Grand Ballroom, 4 th floor
Session 4-B	<p>AUTONOMIC DYSFUNCTION IN PEOPLE WITH EPILEPSY</p> <p>Chair: Dr. Ken Myers, Montreal Children's Hospital</p> <p>TOPICS AND SPEAKERS:</p> <p>What is Heart Rate Variability and How Does it Relate to Autonomic Function or Dysfunction? Dr. Ken Myers, Montreal Children's Hospital</p> <p>Interictal Heart Rate Variability Abnormalities in People with Epilepsy Dr. Ken Myers, Montreal Children's Hospital</p> <p>Cardiorespiratory and Autonomic Changes During Epileptic Seizures Dr. Shobi Sivathamboo, Monash University</p>	Assiniboine Ballroom, 5 th floor

PROGRAM

SUNDAY, SEPTEMBER 22, 2019

TIME	DESCRIPTION	ROOM
10:45 a.m.	BREAKOUT SESSIONS (cont'd)	
Session 4-B	<p>AUTONOMIC DYSFUNCTION IN PEOPLE WITH EPILEPSY (cont'd):</p> <p>TOPICS AND SPEAKERS (cont'd):</p> <p>SUDEP – Does Autonomic Dysfunction Play a Role? Dr. Elizabeth Donner, The Hospital for Sick Children</p> <p>Autonomic Function in Neonates with Hypoxic Ischemic Encephalopathy Samantha Latremouille, Montreal Children's Hospital</p> <p>Future Directions for Autonomic Function Research in Epilepsy Dr. Ken Myers, Montreal Children's Hospital</p> <p>LEARNING OBJECTIVES:</p> <ul style="list-style-type: none"> Describe heart rate variability and the relationship to autonomic function. Summarize the evidence for altered interictal autonomic function in people with epilepsy. Understand the autonomic changes that may be seen during seizures in people with epilepsy. Appreciate the evidence for autonomic dysfunction as a factor in SUDEP. <p>TARGET AUDIENCE:</p> <p>Health care professionals involved in the clinical care of people with epilepsy, researchers studying epilepsy using animal models</p>	Assiniboine Ballroom, 5 th floor
12:30 p.m.	ON-THE-GO LUNCH	Grand Ballroom Foyer, 4 th floor

ABSTRACTS / AFFICHES

Posters will be on display throughout the conference in the Selkirk Ballroom (5th floor). The poster tour will be held Saturday, September 21, 10:15 a.m. – 11:15 a.m. Authors are required to stand by their posters for a Q&A during this time. For the complete abstract, please refer to the 2019 CLAE Book of Abstracts available online (<https://claegroup.org/2019Program>).

Les affiches seront exposées pendant toute la durée de la conférence dans la salle 'Selkirk Ballroom' (5^e étage). La visite guidée des affiches aura lieu samedi le 21 septembre de 10:15 à 11:15. Les auteurs des affiches sont donc priés d'être présents durant cette période pour répondre aux questions. Pour une liste complète des affiches, veuillez-vous référer au recueil des affiches du congrès annuel 2019 de la LCCE disponible en ligne à (<https://claegroup.org/2019Program>).

ABSTRACT # NEUROIMAGING

-
- 5 **BRAIN MRI AND VIDEO EEG PATTERNS IN CHILDREN WITH DRUG RESISTANT EPILEPSY (DRE) AND STRUCTURAL ETIOLOGIES**
Andrea Andrade¹, Camila Lancefield¹, Michelle Gratton², Ahmad Alanezi¹, Michael Jurkiewicz¹, Maryam Nabavi Nouri¹, Asuri Narayan Prasad¹
¹Western University
²London Health Sciences Centre
-
- 6 **INDIVIDUAL DIFFERENCES IN RESTING-STATE MEMORY NETWORK CONNECTIVITY PREDICTS MEMORY DECLINE AFTER TEMPORAL LOBE RESECTION**
Mary Pat McAndrews¹, Samantha Audrain², Alexander Barnett³
¹Krembil Research Institute
²University of Toronto
³UC Davis
-
- 7 **IMPLEMENTATION OF VOXEL BASED MORPHOMETRIC ANALYSIS TO THE MANITOBA EPILEPSY PROGRAM PRESURGICAL EVALUATION PIPELINE: A PROPOSAL**
Joshua Dian, Demitre Serletis
University of Manitoba
-
- 8 **MULTISCALE PROFILING OF THALAMO-CORTICAL CONNECTOPATHY IN GENERALIZED AND FOCAL EPILEPSIES**
Yifei Weng^{1, 2}, Sara Lariviere¹, Lorenzo Caciagli³, Reinder Vos de Wael¹, Neda Bernasconi¹, Andrea Bernasconi¹, Zhiqiang Zhang², Boris Bernhardt¹
¹McGill University
²Nanjing University
³University of Pennsylvania
-
- 9 **ASYMMETRICAL LOSS OF HIPPOCAMPAL DIGITATIONS IN MRI-NEGATIVE FOCAL TEMPORAL LOBE EPILEPSY AT 7T: AN MRI MARKER OF THE SEIZURE FOCUS**
Nickolas Christidis, Michael Jurkiewicz, Jonathan Lau, Jorge Burneo, David Steven, Ali Khan
Western University
-
- 10 **IMPACT OF TEMPORAL AND FRONTAL LOBE EPILEPSY ON CEREBRAL ORGANIZATION OF LANGUAGE NETWORKS IN CHILDREN**
Alejandra Hüsser, Phetsamone Vannasing, Julie Tremblay, Philippe Major, Anne Lortie, Paola Diadori, Lionel Carmant, Anne Gallagher
Université de Montréal – CHU Sainte-Justine
-

POSTERS

ABSTRACT # BASIC SCIENCE / ENGINEERING

19	THE ROLE OF BLOOD-BRAIN BARRIER PATHOLOGY IN POST-TRAUMATIC EPILEPSY (PTE) <i>Olumide Adegunna</i> Dalhousie University
20	IN VIVO IMAGING OF POSTICTAL VASOCONSTRICTION IN FREELY-MOVING MICE REVEALS AN ENDURING CA2+ INCREASE IN VASCULAR SMOOTH MUSCLE BUT NOT ASTROCYTE ENDFEET <i>Antis George</i> University of Calgary, Cumming School of Medicine
21	THE KETOGENIC DIET ATTENUATES POST-ICTAL HYPOXIA <i>Renaud Gom¹, Dhyey Bhatt¹, Jong Rho^{1 2}, Richelle Mychasiuk^{1 3}, Cam Teskey¹</i> ¹ Hotchkiss Brain Institute, University of Calgary ² Alberta Children's Hospital Research Institute ³ Department of Neuroscience, Monash University
22	DYNAMIC CHANGES IN HIPPOCAMPAL OXYGEN LEVELS FOLLOWING FEBRILE SEIZURES <i>Sydney Harris, Antis George, Karlene Barrett, Morris Scantlebury, G. Campbell Teskey</i> University of Calgary
23	INFLUENCE OF INFLAMMATION ON BEHAVIORAL FUNCTION AND SEIZURE SUSCEPTIBILITY AFTER TRAUMATIC BRAIN INJURY <i>Yuqi Lin¹, Chiping Wu², Jackie Liu², Aylin Reid^{1 2}</i> ¹ Institute of Medical Science, University of Toronto ² University Health Network, Toronto
24	TGF-BETA INHIBITION AS A TREATMENT FOR BLOOD-BRAIN BARRIER DYSFUNCTION AND CORTICAL NETWORK SLOWING IN A RODENT MODEL OF REPETITIVE MILD TRAUMATIC BRAIN INJURY <i>Griffin Mumby¹, Ellen Parker¹, Pooyan Moradi¹, Olumide Adegunna¹, Dan Milikovskyy³, Noa Hacohen¹, Erez Hanael², Alon Friedman^{1 3}</i> ¹ Department of Medical Neuroscience, Dalhousie University ² The Hebrew University, Koret School of Veterinary Medicine Veterinary Teaching Hospital ³ Departments of Physiology and Cell Biology, Cognitive and Brain Sciences, Zlotowski Center for Neuroscience, Ben-Gurion University of the Negev, Beer Sheva
25	REGION-SPECIFIC EPILEPTOGENICITY IN A MOUSE MODEL OF NEUROFIBROMATOSIS TYPE 1 <i>Azadeh Sabetghadam, Chipping Wu, Jackie Liu, Hong Mei Song, Liang Zhang, Aylin Reid</i> University Health Network, Toronto
26	TARGETED DELETION OF MITOCHONDRIAL CYCLOPHILIN D MEDIATES NEUROPROTECTION IN EPILEPTIC BRAIN <i>Bianca R. Villa, Cezar N. Gavrilovici, G. Campbell Teskey, Jong M. Rho</i> University of Calgary
27	IMPAIRED TUNING OF AFFERENT EXCITATORY SYNAPSES OF HIPPOCAMPAL FAST-SPIKING INTERNEURONS BY ACUTE EARLY LIFE SEIZURES <i>Ting Ting (Tina) Wang, Hongyu Sun</i> Carleton University

POSTERS

ABSTRACT # PAEDIATRIC EPILEPSY

- 28 **MECP2 IS REDUCED IN DRAVET SYNDROME**
David Dymont, Sarah Schock, Kevin Ban, Minh Tran
CHCO Research Institute
- 29 **CANNABIS-BASED PRODUCTS FOR THE TREATMENT OF PAEDIATRIC EPILEPSY: A SYSTEMATIC REVIEW**
Jesse Elliott¹, Deirdre DeJean², Tammy Clifford¹, Doug Coyle¹, Beth Potter¹, Becky Skidmore, Christine Alexander, Alexander Repetski, Bláthnaid McCoy³, George A. Wells¹
¹School of Epidemiology and Public Health, University of Ottawa
²CADTH
³Division of Neurology, the Hospital for Sick Children Toronto
- 30 **RISK FACTORS FOR EPILEPSY IN NEONATES WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY AND SEIZURES**
William April¹, Simon Frédérick Richard¹, Brigitte Martin², Nicolas Déom¹, Béatrice Desnous¹, Zamzam Mahdi¹, Josianne Malo², Ala Birca¹
¹Sainte-Justine Hospital Research Center, Université de Montréal
²Sainte-Justine Hospital

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ABSTRACT # CLINICAL EPILEPSY / EEG / ANTIEPILEPTICS

- 31 **UNDERSTANDING THE PATIENT PERSPECTIVE OF EPILEPSY TREATMENT THROUGH TEXT MINING OF ONLINE PATIENT SUPPORT GROUPS**
Samuel Lapalme-Remis¹, Lixia Yao², Kai He³, Na Hong², Yangyang Lan³, Ming Huang², Chen Li³
¹Centre hospitalier de l'Université de Montréal
²Mayo Clinic
³Xi'an Jiaotong University
- 32 **DEVELOPING A LOCAL PAEDIATRIC EPILEPSY PROGRAM WEBSITE TO IMPROVE INFORMATION ACCESS FOR FAMILIES AND HEALTH CARE PROVIDERS**
Michelle Gratton, Armela Hadzic, Rochelle Sorzano, Maryam Nabavi Nouri, Andrea Andrade
Western University
- 33 **LATE ONSET FOCAL EPILEPSY WITH EXTENSIVE WHITE MATTER ABNORMALITIES**
Ana Suller Marti, Richard McLachlan, David Diosy, Jorge Burneo
Western University
- 34 **POLYMORPHISM ON KCNQ2 GENE SUSCEPTIBILITY IN EPILEPTIC PATIENTS OF PAKISTAN**
Nadeem Sheikh, Mavra Irfan, Maryam Mukhtar, Saira Kainat Suqaina, Tayyaba Saleem
University of the Punjab
- 35 **POLYMORPHISM ON GABRG2 GENE SUSCEPTIBILITY IN EPILEPTIC PATIENTS OF PAKISTAN**
Nadeem Sheikh, Tayyaba Saleem, Maryam Mukhtar, Saira Kainat Suqaina, Mavra Irfan
University of the Punjab
- 36 **VITAMIN D RECEPTOR GENE POLYMORPHISM: AN IMPORTANT RISK FACTOR OF EPILEPSY DEVELOPMENT**
Nadeem Sheikh, Saira Kainat Suqaina, Maryam Mukhtar, Tayyaba Saleem, Mavra Irfan
University of the Punjab

POSTERS

ABSTRACT # CLINICAL EPILEPSY / EEG / ANTIEPILEPTICS

- 37 **EFFICACY AND SAFETY OF ADJUNCTIVE PERAMPANEL 4 MG/DAY FOR THE TREATMENT OF PARTIAL-ONSET SEIZURES: POOLED ANALYSIS OF FOUR RANDOMIZED PHASE III STUDIES**
Bernhard Steinhoff¹, Alejandro Salah², Anna Patten³, Manoj Malhotra²
¹Kork Epilepsy Center
²Eisai Inc
³Eisai Ltd
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