

2024 Western Epilepsy Research Day Agenda

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Sign in and Coffee	9:00 am-9:30 am
Welcome & Acknowledgement	9:30 am-9:35 am
Recognition Dr. Michael Jurkiewicz	9:35 am-9:40 am
Epilepsy Patient's Voice: Epilepsy Representative	9:40 am-9:55 am
Key Speaker: Dr. Jonathan Lau	9:55 am-10:40 am "Revisiting the anatomical, electrical, clinical approach: stereoelectroencephalography for epilepsy and neuroscientific investigation"
Coffee Break	10:40 am-11:00 am
Research Talks & Discussion	11:00 am-12:40 pm 11:08 am-11:16 am: Investigation of Cortical Thickness Changes in First Time Unprovoked Seizure Subjects presented by <u>Keza Motlana</u> 11:16 am-11:24 am: Sex Differences in Stroke-Related Epilepsy Risk Associated with Post-Stroke Statin Use presented by <u>Tresah Antaya</u> 11:24 am-11:32 am: Prediction of Functional Recovery Post-Cardiac Arrest Using an Ensemble of Extreme Gradient-Boosted Trees presented by <u>Matthew Kolisnyk</u> 11:32 am-11:40 am: Structural connectivity across datasets and species reveals community structure in cortex with specific connection features presented by <u>Esther Yartey</u> 11:40 am-11:48 am: PAGE – Pediatric Autoimmune and Genetic Testing in Epilepsy: A Novel Paradigm in the Rapid Diagnosis of Drug-Resistant Epilepsy presented by <u>Dr. Tugce Balci</u> 11:48 am-11:56 am: Improving Epilepsy Care in Ontario presented by <u>Dr. Jorge Burneo</u> 11:56 am-12:04 pm: Status Epilepticus Prognosis (STEP) Study (ICU) presented by <u>Hannah Gray</u>

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	<p>12:04 pm-12:12 pm: Evaluating Quality-of-Life in Neuromodulation Devices presented by <u>Ezgi Coskun</u></p> <p>12:12 pm-12:20 pm: Mental Health in Epilepsy Patients After Neuromodulation Therapy presented by <u>Tara Newman</u></p> <p>12:20 pm-12:28 pm: Clinic to Community Program for Adults with Epilepsy Admitted to Emergency Departments: A Randomized Controlled Trial presented by <u>Mary Secco</u></p> <p>12:28 pm-12:36 pm: Women with Epilepsy Across the Lifespan presented by <u>Carmela Redhead</u></p>
Lunch	12:40 pm-1:40 pm
Research Talks & Discussion	<p>1:40 pm-3:40 pm</p> <p>1:45 pm-1:50 pm: Utility of SPECT in Presurgical Evaluation of Drug-Resistant Epilepsy presented by <u>Dr. Naif Alzahrani</u></p> <p>1:50 pm-1:55 pm: Outcomes of drug-resistant childhood-onset epilepsy following the transition program at LHSC presented by <u>Dr. Ana Ramos</u></p> <p>1:55 pm-2:00 pm: Transient Splenial Lesions of the Corpus Callosum in Patients with Epilepsy presented by <u>Dr. Ashah Aldawehi</u></p> <p>2:00 pm-2:05 pm: Comparing awake mapping and monitoring of language during epilepsy surgery to Intraoperative language monitoring under general anesthesia using cortico-cortical evoked potential presented by <u>Dr. Khalid Alorabi</u></p> <p>2:05 pm-2:10 pm: Severity scales in epilepsy: A systematic review presented by <u>Layya Almalouf</u></p> <p>2:10 pm-2:18 pm: Training Deep Learning with Long Short-Term Memory to Discern Sharp Wave Ripples from Interictal Epileptiform Discharges and High Frequency Oscillations presented by <u>Dr. Milad Khaki</u></p> <p>2:18 pm-2:26 pm: iEEGPrep and iEEGQC: standard preprocessing tools for the analysis of intracranial EEG recordings presented by <u>Mauricio Cespedes Tenorio</u></p> <p>2:26 pm-2:34 pm: The Effect of High-frequency Cortical Stimulation on SEEG-recorded Interictal Epileptiform Discharges presented by <u>Ahdyie Ahmadi</u></p>

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	<p>2:34 pm-2:42 pm: Normative Modelling of Hippocampal Morphology in Epilepsy presented by <u>Mohamed Yousif</u></p> <p>2:42 pm-2:50 pm: Assessment of excitation/inhibition (E/I) from resting state magnetoencephalography (MEG) and its relationship with cortical thickness in temporal lobe epilepsy (TLE) patients presented by <u>Dr. Giovanni Pelligrino</u></p> <p>2:50 pm-2:58 pm: Investigating the correlation between sharp wave-ripples and eye movements during memory consolidation and retrieval in the human hippocampus presented by <u>Nasim Mortazavi</u></p> <p>2:58 pm-3:06 pm: Longitudinal structural connectivity, functional connectivity, structure-function coupling, and cognition in pediatric focal epilepsy presented by <u>Mary Taylor</u></p> <p>3:06 pm-3:14 pm: Statistical learning in the hippocampus and neocortical regions: Evidence from intracranial neural entrainment presented by <u>Daniela Herrera-Chaves</u></p> <p>3:14 pm-3:22 pm: Identifying the Purpose of Sentinel Electrodes in Patients with Drug- Resistant Epilepsy presented by <u>Mahima Bijji</u></p> <p>3:22 pm-3:30 pm: Disrupting the Epileptogenic Network with Stereoecephalography-guided Radiofrequency Thermocoagulation presented by <u>Dr. Hellen Kreinter</u></p> <p>3:30 pm-3:38 pm: Practical considerations for scanning patients using 7-Tesla MRI: Experience in a prospective cohort scanned at the Western CFMM presented by <u>Homa Vahidi</u></p>
Coffee Break	3:40 pm-4:00 pm
Western Epilepsy Research Group Updates & Future Directions	4:00 pm-4:45 pm
Closure & Awards	4:45 pm-5:00 pm