

The Canadian Concussion Centre

12th Annual Concussion Research Symposium



Update on Research and Care for the Concussion Spectrum of Disorders

Friday, May 23, 2025

Hybrid: Zoom & In-Person BMO Education and Conference Centre at Toronto Western Hospital

This workshop 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 Michener Institute of Education – CPD Accreditation Office. You may claim a maximum of 4 hours 55 minutes Section 1 group learning hours (credits are automatically calculated).

Session Information

7:00 – 8:00	Registration and Breakfast
8:00 – 8:10	Canadian Concussion Centre Conference: Opening Remarks Dr. Charles H. Tator , Professor of Neurosurgery, University of Toronto, Director, (CCC) Canadian Concussion Centre
<p>Chair: Dr. Robin Green</p> <p>Clinical Neuropsychology, Saunderson Chair in Acquired Brain Injury, Founder/Director TeleRehab Centre for Acquired Brain Injury</p>	
8:10 – 8:35	Invited Speaker: Dr. Michael Alosco , Clinical Neuropsychologist, Boston University, USA Title: New Insights into the Detection of Chronic Traumatic Encephalopathy During Life
8:35 – 8:45	Q&A
8:45 – 9:10	Invited Speaker: Dr. Allen Sills (Virtual) , Neurosurgeon, Vanderbilt University, NFL's Chief Medical Officer, USA Title: How Can We Make Sport Safer?
9:10 – 9:20	Q&A
9:20 – 9:30	Podium Presentation: Hidetomo Tanaka , Lauren E. Black, Shelley L. Forrest, Carmela Tartaglia, Mozghan Khodadadi, Nusrat Sadia, Douglas H Smith, Charles Tator, William Stewart, Gabor Kovacs Title: Spinal cord quadruple misfolded proteins in chronic traumatic encephalopathy

9:30 – 9:45	Invited Speaker: Prof. Hugh Scully, MD, Surgeon, Toronto, Canada
9:45 – 9:50	Title: The Role of Doctors in Treating Motorsport Injuries (Focus on Concussion) Q&A
9:50 – 10:00	Podium Presentation: <u>Hailey Mitsubata</u>, Jeffrey S. Brooks Title: How do repetitive head impacts in varsity football players affect brain responses?
10:00 – 10:20	POSTER SESSION: Rapid Podium Presentations – (3 min/poster) Posters # 1-5
10:20– 10:45	Refreshment Break and Poster Viewing
10:45– 11:10	Invited Speaker: Dr. Carrie Esopenko, Psychologist, Mount Sinai New York, USA Title: Understanding Intimate Partner Violence-Related Brain Injury as a Distinct Brain Injury Phenotype
11:10 – 11:20	Q&A
11:20 – 11:30	Podium Presentation: <u>Judith Gargaro</u>, Arman Ali, Narhari Timilshina, Maria Santiago, Jiming Fang, Zhixing Hong, Dr. Mark Bayley Title: Does Concussion Impact Long-term Healthcare Usage in Older Adults? Examining Emergency Utilization and Fall Risk in Older Adults after mTBI/Concussion
11:30 – 11:55	Invited Speaker: Dr. Paul van Donkelaar, Clinical Neuroscientist, University of BC, Canada Title: Characterizing The Chronic Effects of a Remote History of Brain Injury in Women Who Have Experienced Intimate Partner Violence
11:55 – 12:05	Q&A
12:05 – 12:15	Podium Presentation: <u>Lian Lopes Troncoso</u>, Chloe Anastassiadis, Simrika Thapa, Nusrat Sadia, Mozghan Khodadadi, Robin Green, Charles Tator, Carmela Tartaglia Title: Neuroinflammatory Markers in Former Athletes with Repetitive Head Impacts: Associations with Cognitive Function and White Matter Hyperintensity Volume.
12:15 – 1:15	Lunch Break and Poster Viewing
<p style="text-align: center;">Chair: Dr. Carmela Tartaglia</p> <p style="text-align: center;">Marion and Gerald Soloway Chair in Brain Injury and Concussion Research, Professor, Tanz Centre for Research in Neurodegenerative Diseases, University of Toronto</p>	
1:15 – 1:50	Invited Speaker: Dr. John J. Leddy, Sports Medicine Physician, University of Buffalo, USA Title: Aerobic Exercise Treatment for Sport- Related Concussion

1:50 – 2:00	Q&A
2:00 – 2:10	Podium Presentation: <u>Yasmin Soliman</u> , Carmela Tartaglia, Charles Tator, Juan-Camilo argas-Gonzalez, Chloe Anastassiadis, Vishaal Sumra, Artee Srivastava Title: White Matter Hyperintensities in Former Professional Contact Sports Athletes with Repetitive Head Impacts
2:10 – 2:35	Invited Speaker: Dr. Gabor G. Kovacs , Neuropathologist, University of Toronto, Canada Title: Quo Vadis CTE: Critical reappraisal of neuropathology
2:35 – 2:45	Q&A
2:45 – 2:55	Podium Presentations: <u>Vishaal Sumra</u> , Shoshana Spring, Owen Botelho, Brian Nieman, Ali M Karakani, John G Sled, Gabor G. Kovacs, Carmela Tartaglia Title: Post-Mortem High-Resolution MRI – A Pilot Study
2:55 – 3:15	POSTER SESSION: Rapid Podium Presentations – (3 min/poster) Posters # 6-9
3:15 – 3:40	Refreshment Break and Poster Viewing
3:40 – 3:55	Speaker: Dr. Carmela Tartaglia , Canadian Concussion Centre (CCC) - Co-Principal Investigator Title: WSIB – Return to Work
3:55 – 4:00	Q&A
4:00 – 4:10	Podium Presentation (Virtual): <u>Tejbir Singh Deol</u> , Wyeshnavi Chitrangan, Ella Marie Bauwens Title: Evaluating Concussion Knowledge, Decision-Making, and the Call for Formal Education in grassroots university rugby
4:10– 4:20	Podium Presentations: <u>Nicholas Moser</u> , Milos R. Popovic, Sukhvinder Kalsi-Ryan Title: Effectiveness of a Customized Rehabilitation Program for Adults with Post-Concussion Syndrome - A Randomized Controlled Crossover Trial
4:20 – 4:45	Invited Speaker: Dr. Jennie Ponsford (Virtual) , Neuropsychologist, Monash University, Australia Topic: Embracing the complexities of concussion in treatment
4:45– 4:55	Q&A
4:55 – 5:00	Closing Remarks Dr. Charles H. Tator

Poster Presentations	
Poster #	Title & Presenter
1	Artee Srivastava Title: Students Throwing Balls at School is a Frequent Occupational Hazard for Their Teachers
2	Carmel Avitzur Title: What Affects Return to Driving in Mtbi: Preliminary Evaluation of Clinical Characteristics and Emotional Distress
3	Jeremy Colangelo Title: Concussion plus Persisting Concussion Symptoms in Occupants of Motor Vehicle Collisions: An Update
4	Halina (Lin) Haag Title: Building Awareness and Service Provider Capacity for Intimate Partner Violence Brain Injury (IPV-BI) in Canada
5	Chloé Buso Title: Evaluation of Computer Screen Intolerance, a Persisting Concussion Symptom
6	Jenni Diamond & Dr. Evan Lewis Title: Functional Neurological Disorder (FND) in the Context of Persisting Symptoms after Concussion: Time to Shift our Perspective?
7	Samaneh Chaychi Title: Sex Differences in Concussion Incidence Before and During the COVID-19 Pandemic: A Population-Based Study (2017–2021)
8	Davina Premraj Title: sex And Age Differences in Psychiatric and Memory-based Presentation of Concussion and Prevalence in Older Patients – A Retrospective Observational Study
9	Areeba Chaudhry Title: Enhancing Interprofessional Compassionate Concussion Care: A Cultural-Historical Activity Theory Analysis
10	Cathy Halovanic Title: Simplifying Resource Needs for Persons with a Brain Injury