

# The Canadian Concussion Centre

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

9:30 – 9:45	<b>Invited Speaker: Prof. Hugh Scully, MD, Surgeon, Toronto, Canada</b>
9:45 – 9:50	<b>Title:</b> The Role of Doctors in Treating Motorsport Injuries (Focus on Concussion) <b>Q&amp;A</b>
9:50 – 10:00	<b>Podium Presentation: <u>Hailey Mitsubata</u>, Jeffrey S. Brooks</b>
	<b>Title:</b> How do repetitive head impacts in varsity football players affect brain responses?
10:00 – 10:20	<b>POSTER SESSION: Rapid Podium Presentations – (3 min/poster) Posters # 1-5</b>
10:20– 10:45	<b>Refreshment Break and Poster Viewing</b>
10:45– 11:10	<b>Invited Speaker: Dr. Carrie Esopenko, Psychologist, Mount Sinai New York, USA</b>
	<b>Title:</b> Understanding Intimate Partner Violence-Related Brain Injury as a Distinct Brain Injury Phenotype
11:10 – 11:20	<b>Q&amp;A</b>
11:20 – 11:30	<b>Podium Presentation: <u>Judith Gargaro</u>, Arman Ali, Narhari Timilshina, Maria Santiago, Jiming Fang, Zhixing Hong, Dr. Mark Bayley</b>
	<b>Title:</b> 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	<b>Invited Speaker: Dr. Paul van Donkelaar, Clinical Neuroscientist, University of BC, Canada</b>
	<b>Title:</b> Characterizing The Chronic Effects of a Remote History of Brain Injury in Women Who Have Experienced Intimate Partner Violence
11:55 – 12:05	<b>Q&amp;A</b>
12:05 – 12:15	<b>Podium Presentation: <u>Lian Lopes Troncoso</u>, Chloe Anastassiadis, Simrika Thapa, Nusrat Sadia, Mozhgan Khodadadi, Robin Green, Charles Tator, Carmela Tartaglia</b>
	<b>Title:</b> Neuroinflammatory Markers in Former Athletes with Repetitive Head Impacts: Associations with Cognitive Function and White Matter Hyperintensity Volume.
12:15 – 1:15	<b>Lunch Break and Poster Viewing</b>
<p style="text-align: center;"><b>Chair: Dr. Carmela Tartaglia</b></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	<b>Invited Speaker: Dr. John J. Leddy</b> , Sports Medicine Physician, University of Buffalo, USA <b>Title:</b> Aerobic Exercise Treatment for Sport- Related Concussion
1:50 – 2:00	<b>Q&amp;A</b>
2:00 – 2:10	<b>Podium Presentation: <u>Yasmin Soliman</u></b> , Carmela Tartaglia, Charles Tator, Juan-Camilo argas-Gonzalez, Chloe Anastasiadis, Vishaal Sumra, Artee Srivastava <b>Title:</b> White Matter Hyperintensities in Former Professional Contact Sports Athletes with Repetitive Head Impacts
2:10 – 2:35	<b>Invited Speaker: Dr. Gabor G. Kovacs</b> , Neuropathologist, University of Toronto, Canada <b>Title:</b> Quo Vadis CTE: Critical reappraisal of neuropathology
2:35 – 2:45	<b>Q&amp;A</b>
2:45 – 2:55	<b>Podium Presentations: <u>Vishaal Sumra</u></b> , Shoshana Spring, Owen Botelho, Brian Nieman, Ali M Karakani, John G Sled, Gabor G. Kovacs, Carmela Tartaglia <b>Title:</b> Post-Mortem High-Resolution MRI – A Pilot Study
2:55 – 3:15	<b>POSTER SESSION: Rapid Podium Presentations – (3 min/poster) Posters # 6-9</b>
3:15 – 3:40	<b>Refreshment Break and Poster Viewing</b>
3:40 – 3:55	<b>Speaker: Dr. Carmela Tartaglia</b> , Canadian Concussion Centre (CCC) - Co-Principal Investigator <b>Title:</b> WSIB – Return to Work
3:55 – 4:00	<b>Q&amp;A</b>
4:00 – 4:10	<b>Podium Presentation (Virtual): <u>Tejbir Singh Deol</u></b> , Wyeshnavi Chitrangan, Ella Marie Bauwens <b>Title:</b> Evaluating Concussion Knowledge, Decision-Making, and the Call for Formal Education in grassroots university rugby
4:10– 4:20	<b>Podium Presentations: <u>Nicholas Moser</u></b> , Milos R. Popovic, Sukhvinder Kalsi-Ryan <b>Title:</b> Effectiveness of a Customized Rehabilitation Program for Adults with Post-Concussion Syndrome - A Randomized Controlled Crossover Trial
4:20 – 4:45	<b>Invited Speaker: Dr. Jennie Ponsford (Virtual)</b> , Neuropsychologist, Monash University, Australia <b>Topic:</b> Embracing the complexities of concussion in treatment
4:45– 4:55	<b>Q&amp;A</b>

4:55 – 5:00	<b>Closing Remarks</b> <b>Dr. Charles H. Tator</b>
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Poster Presentations	
Poster #	Title & Presenter
1	<b>Artee Srivastava</b> <b>Title:</b> Students Throwing Balls at School is a Frequent Occupational Hazard For Their Teachers
2	<b>Carmel Avitzur</b> <b>Title:</b> What affects return to driving in mTBI: Preliminary evaluation of clinical characteristics and emotional distress
3	<b>Jeremy Colangelo</b> <b>Title:</b> Concussion plus Persisting Concussion Symptoms in Occupants of Motor Vehicle Collisions: An Update
4	<b>Halina (Lin) Haag</b> <b>Title:</b> Building Awareness and Service Provider Capacity for Intimate Partner Violence Brain Injury (IPV-BI) in Canada
5	<b>Chloé Buso</b> <b>Title:</b> Post-Concussive Vision Symptoms: Evaluation of Computer Screen Intolerance
6	<b>Jenni Diamond</b> <b>Title:</b> Functional Neurological Disorder (FND) in the Context of Persisting Symptoms after Concussion: Time to Shift our Perspective?
7	<b>Samaneh Chaychi</b> <b>Title:</b> Sex Differences in Concussion Incidence Before and During the COVID-19 Pandemic: A Population-Based Study (2017–2021)
8	<b>Davina Premraj</b> <b>Title:</b> Sex and age differences in psychiatric and memory-based presentation of concussion and prevalence in older patients – a retrospective observational study
9	<b>Areeba Chaudhry</b> <b>Title:</b> Enhancing Interprofessional Compassionate Concussion Care: A Cultural-Historical Activity Theory Analysis