

## The Canadian Concussion Centre Presents:

# 9<sup>th</sup> Annual Concussion Research Symposium

Update on Research and Care of the Concussion Spectrum of Disorders  
Saturday, April 30, 2022 | Virtual Event via Zoom

Session Information	
8:00 – 8:10	<b>Canadian Concussion Centre Conference: Opening Remarks</b> Dr. Charles H. Tator
Chair: Dr. Carmela Tartaglia	
8:10 – 8:50	<b>Invited Speaker</b> <b>Topic: Return to Work after Concussion</b> Dr. Hana Rytter, <i>Associate Professor in Cognitive Neuroscience and Neuropsychology at the Department of Psychology, University of Copenhagen, Denmark</i>
8:50 – 9:05	<b>Submitted Abstract Presentation</b> The Toronto Concussion Study: Impact of Pre-Injury Depression and Anxiety on Acute Post-Concussion Psychological Symptom Expression and Recovery Lesley Ruttan (Presenter), T. Chandra, E. Foster, P. Comper, L. Langer, M. Bayley
9:05 – 9:45	<b>Invited Speaker</b> <b>Topic: Concussion and Intimate Partner Violence</b> Dr. Eve Valera, <i>Associate Professor of Psychiatry at the Department of Psychiatry, Massachusetts General Hospital, USA</i>
9:45 – 10:00	<b>POSTER SESSION: Rapid Podium Presentations – (2 min/poster) Posters # 1-4</b>
10:00 – 10:30	<b>Refreshment Break and Poster Viewing</b>
10:30 – 11:10	<b>Invited Speaker</b> <b>Topic: Concussion Research in Pediatrics</b> Dr. Erin Bigler, <i>Professor of Psychology and Neuroscience, at Brigham Young University, USA</i>
11:10 – 11:30	<b>CCC Speaker</b> <b>Topic: Imaging Techniques for Concussion Patients</b> Dr. David Mikulis, <i>Neuroradiologist, Professor and Co-Director of Medical Imaging Research in the Dept. of Medical Imaging at the University of Toronto</i>
11:30 – 11:45	<b>Submitted Abstract Presentation</b> Brain structural and functional imaging in mTBI with biomarkers of neurodegeneration Indira Garcia Cordero (Presenter), A. Vasilevska, F. Taghdiri, M. Khodadadi, CH. Tator, D. Mikulis, A. Tarazi, A. Mushtaque, B. Colella, R. Green, C. Tartaglia
11:45 – 12:00	<b>Submitted Abstract Presentation</b> Repetitive low-level blast exposure is associated with dysregulated structural and functional brain connectivity: a pilot DTI and MEG imaging study Benjamin T Dunkley (Presenter), SG. Rhind, R. Jetly
12:00 – 1:00	<b>Lunch Break and Poster Viewing</b>

The Canadian Concussion Centre Presents:

**9<sup>th</sup> Annual Concussion Research Symposium**  
**Update on Research and Care of the Concussion Spectrum of Disorders**  
 Saturday, April 30, 2022 | Virtual Event via Zoom

Session Information	
Chair: Dr. Robin Green	
1:00 – 1:40	<p><b>Invited Speakers</b></p> <p><b>Topic: Concussions in the Military</b>                      Dr. Sean Rhind, <i>Senior Defense Scientist in the Military Operational Health and Performance Section at Defence Research and Development Canada (DRDC) and Associate Professor at the University of Toronto</i>                      Dr. Oshin Vartanian, <i>Assistant Professor Cognition and Cognitive Neuroscience, Department of Defence, University of Toronto</i></p>
1:40 – 2:00	<p><b>CCC Speaker</b></p> <p><b>Topic: Analysis of Patients with Persisting Concussion Symptoms Caused by Motor Vehicle Crashes with Respect to Vehicle Safety Systems 2000-2020</b>                      Dr. Charles Tator, M. Khodadadi, U. Muhammad, B. Elkin, E. Prentice</p>
2:00 – 2:15	<p><b>Submitted Abstract Presentation</b></p> <p>The Toronto Concussion Study: Injury and Recovery Characteristics and Prognostic Indicators in a Naturalistic Cohort of Adults with Acute Concussion                      Dr. Paul Comper/ Evan Foster (Presenter), T. Chandra, L. Langer, L. Ruttan, M. Bayley, C. Wiseman-Hakes</p>
2:15 – 2:30	<p><b>POSTER SESSION: Rapid Podium Presentations – (2 min/poster) Posters # 5-8</b></p>
2:30 – 3:00	<p><b>Refreshment Break and Poster Viewing</b></p>
3:00 – 3:40	<p><b>Invited Speaker</b></p> <p><b>Topic: Concussion in Children</b>                      Dr. Keith Yeates, <i>Professor and Head of the Department of Psychology at the University of Calgary</i></p>
3:40 – 3:55	<p><b>Submitted Abstract Presentation</b></p> <p>Local Network Architecture in Children with Mild TBI                      Sonja Stojanovski (Presenter), GI. Guberman, E. Nishat, J-C. Houde, M. Descoteaux, AL. Wheeler</p>
3:55 – 4:10	<p><b>Submitted Abstract Presentation</b></p> <p>Tau-PET in retired contact sport athletes.                      Anna Vasilevskaya (Presenter), F. Taghdiri, N. Multani, M. Ozzoude, A. Tarazi, M. Khodadadi, R. Wennberg, P. Rusjan, S. Houle, R. Green, B. Colella, K. Blennow, H. Zetterberg, T. Karikari, D. Mikulis, K. Davis, CH. Tator, C. Tartaglia</p>
4:10 – 5:00	<p><b>Concussion Experts Panel</b></p> <p>Drs. Keith Yeates, Eve Valera, Sean Rhind, and Oshin Vartanian</p>
5:00	<p><b>Closing Remarks</b></p> <p>Dr. Charles H. Tator</p>

**The Canadian Concussion Centre Presents:  
9<sup>th</sup> Annual Concussion Research Symposium  
Update on Research and Care of the Concussion Spectrum of Disorders**

Poster Presentations	
Poster #	Title
1	<b>Development of a Standardized Pathway of Care for Patients After Concussion in Ontario</b> J. Gargaro, M. Joner Wiest, OD. Habib Perez, M. Bayley
2	<b>Future Direction of Concussion Education Development</b> A. Kam
3	<b>Direct Physician Costs Associated with the Diagnosis and Treatment of Concussion in Ontario: a Population Based Study</b> L. Langer, M. Bayley, C.A. Levy, A. Tam, S. Munce, D. Lawrence, C. de Oliveira
4	<b>Characterizing Acute Versus Chronic Concussion Patients' Profiles in Ontario</b> M. Bubna, O. Scott, E. Boyko, V. Kristman, C. Hunt, J. Gargaro, M. Khodadadi, C. Tartaglia
5	<b>Evaluation of The Impact of a Concussion Assessment Pathway for Children Presenting with Acute Concussion to a Pediatric Emergency Department</b> S. McFarland, S. Ratnapalan, N. Perera, J. Murphy
6	<b>An Interrupted Time Series Analysis of the Influence of a Concussion Public Policy on Rates of Concussion-Related Visits to Emergency Departments and Primary Care Providers' Offices by Children and Youth in Ontario, Canada</b> S. Mylabathula, R. Saskin, A. Guttmann, A. Colantonio, C. Macarthur, CH Tator
7	<b>Improving Patient Outcomes- Living Guideline for Pediatric Concussion Care</b> J. Dawson, A.A Ledoux, C. Provvidenza, N. Reed, R. Zemek
8	<b>Intrinsic and Motor-Related Neural Bursting Dynamics are Disrupted by Mild Traumatic Brain Injury</b> B. T Dunkley, L. Rier, M. Brookes
9	<b>Vestibular Rehabilitation Therapy to Treat Persisting Concussion Symptoms: A Narrative Review</b> M. Hanna, H. Ly
10	<b>A System Evaluation of the Current Pathway of Care for People with Mild Traumatic Brain Injuries</b> O.D. Habib Perez, J. Gargaro, M.J. Weist, M. Bayley
11	<b>Effects of Pre-Injury Migraine Frequency on Post-Traumatic Headache and Post-Concussion Symptoms in the General Adult Population: The Toronto Concussion Study</b> L. Langer, M. Bayley, P. Comper, A. Kam, D. Lawrence, A. Tam, L. Ruttan
12	<b>Association of Fatigue with Severity of Post-Concussion Symptoms in the General Adult Population: The Toronto Concussion Study</b> M. Bayley, E. Foster, T. Chandra, P. Comper, L. Ruttan, A. Kam, D. Lawrence
13	<b>Cognitive Functioning Following Acute Concussion in the General Population: The Toronto Concussion Study</b> P. Comper/T. Chandra (Presenter), E. Foster, L. Langer, Lesley Ruttan, M. Bayley, C. Wiseman-Hakes, L. Inness, G. Mochizuki
14	<b>Barriers and Facilitators to the Uptake of Clinical Practice Guidelines for Pediatric Concussion by Community-Based PCPs: A Qualitative Descriptive Study Based in Toronto.</b> S. Diaz/ M. Fereig (Presenter), A. Di Meo, B. Tong, R. Foty
15	<b>Female Concussions: New Interventions and New Information: Considering Best Practice for Supporting Females Recovering from Concussion from a Social Work and Occupational Therapy Perspective</b> E. Dales, L. Okell
16	<b>Treating Social Communication Difficulties Secondary to Concussion Using Acceptance and Commitment Therapy (ACT).</b> S. Friedman

**The Canadian Concussion Centre Presents:  
9<sup>th</sup> Annual Concussion Research Symposium  
Update on Research and Care of the Concussion Spectrum of Disorders**

This event is presented by:



This event is sponsored by:



Register Online at:

<https://events.myconferencesuite.com/ConcussionSym2022>