



TAC Trauma Association of Canada



Annual Scientific Meeting & Conference

Rising Tide: Innovations in Practice & Care



Westin Nova Scotian, Halifax, NS, May 8-10th, 2024

Program



Annual Scientific Meeting & Conference

**Rising Tide:
Innovations in Practice & Care**

Westin Nova Scotian, Halifax, NS
May 8-10th, 2024

Pre-Conference Day, Wednesday, May 8, 2024

	Item / Talk	Room
0730-1600	Interdisciplinary Trauma Network of Canada (ITNC) Meeting	Harbour Suites
0730-1600	Trauma Registry Information Specialists of Canada (TRISC) Meeting	Lunenburg Room
	Committee Meetings	
0800-1200	Research	Elements
1300-1500	Trauma Directors	Elements
1500-1700	Trauma Team Leaders	Elements
1730-1930	SEA SHANTY SOIREE WELCOME RECEPTION & POSTER JUDGING	Commonwealth Ballroom B & Foyer

**REGISTER FOR
THE CONFERENCE HERE**



Day ONE, Thursday, May 9, 2024

	Item / Talk	Speaker	Room
0700-0800	BREAKFAST		Exhibit Hall Atlantic Ballroom
0800-0810	WELCOME	<i>Cheryl Connors, TAC Executive Director Dr Rob Green & Dan Cashen, Conference Co-Chairs</i>	Plenary Commonwealth Ballroom
0810-0850	TAC PRESIDENT'S ADDRESS A Rising Tide Lifts All Boats: A New Era in Canadian Trauma Centre Accreditation	<i>Dr Andrew Beckett</i>	Plenary Commonwealth Ballroom
0850-0945	OPENING KEYNOTE (International Speaker) The Story of the Scottish Trauma Network – Delivering the Future: From Roadside to Rehabilitation	<i>Dr Martin McKechnie</i>	Plenary Commonwealth Ballroom
0945-1015	VISIT EXHIBITS, VIEW POSTERS & REFRESHMENT BREAK		Exhibit Hall Atlantic Ballroom





Day One, Thursday, May 9, 2024 – STREAMS

1015-1115

1 Surgical 1 Moderators:

Dr Robert Leeper, Dan Cashen

Commonwealth Ballroom

In Situ Trauma Simulation
Dr Brad Moffat

Overcoming the Barriers to Medical Device Innovation in Trauma
Dr Adam Power

2 Performance Improvement/ Trauma Systems Moderators:

*Dr Lynne Moore,
Dr Sean Hurley, Deanna Fong, Fran Priestap*

Elements

Trauma Performance Improvement Across Canada: Current Approaches and Future Directions

Panel: Lakshmi Mani, BC
Chinyere Nwafor-Okoli, AB
Dr Jagadish Rao, SK
Markus Ziesmann, MB
Amanda McFarlan, ON
Fran Priestap, ON
Dr Lynne Moore, QC
Nicholas MacLean, NB
Dan Cashen, NS

3 TTA/TTL Moderators:

Dr James Gould, Sarah Sturge

Harbour Suites

Preparing to Perform in Trauma Team Activations
Dr James Gould

Trauma Team Triumphs in The Bay: Can We Do Better?
Dr Luis Da Luz

Clinical Debrief: Improving Team Education and Performance
Dr Winny Li

1120-1220

4 Military Moderators:

Dr Graeme McBride, Joann Hnatiuk

Elements

STRIVE to Lead with Confidence and Compassion
Captain Stephanie Smith CCFP

Current Management for Penetrating Traumatic Brain Injury
Dr Darrell Boone

5 Trauma Patient Journey Moderators:

Dr Mélanie Bérubé, Nasira Lakha

Commonwealth Ballroom

Developing a Lexicon for Psychological Trauma: Theoretical Foundations and Implications for Trauma Care
Logan J. Nealis PhD

Supporting the Trauma Response: From Brief Intervention through Referral
*Meghan Fyke RN MN
Gurpreet Saini RP MACP*

6 Paediatrics Moderators:

Melanie Doyle RN BScNMN

Harbour Suites

Paediatric Pain in Trauma: From Time Zero and Beyond

Panel:
*Dr Jason Emsley
Nicole MacKenzie,
Stuart Wright
Holly Murphy RN BScN MN CPMHN(c)*



Day One, Thursday, May 9, 2024

	Item / Talk	Speaker	Room
1220-1300	LUNCH/VISIT EXHIBITS		Exhibit Hall Atlantic Ballroom
1300-1400	INDUSTRY SYMPOSIUM		Plenary Commonwealth Ballroom





Day One, Thursday, May 9, 2024 – OPEN PAPER SESSION 1

	1A Pre-Hospital Transfusion Harbour Suites	1B Early Trauma Care Commonwealth Ballroom	1C Paediatrics Lunenburg Room	1D Quality Elements
1400-1410	ID 69 Comparative analysis of out-of-hospital transfusion protocols among Canadian critical care transport organizations Pierre-Marc Dion	ID 3 Outcomes of resuscitative thoracotomy with aortic cross clamping for cardiac injuries Alexandra MacHugh	ID 78 Clinical practice guideline recommendations in pediatric mild traumatic brain injury: A systematic review Lynne Moore	ID 15 Development and usability testing of a theory, evidence and interested parties-informed multifaceted intervention to reduce low-value injury care Mélanie Bérubé
1410-1420	ID 40 State of the evidence for prehospital plasma infusion for patients with suspected traumatic hemorrhage: A rapid review by the Prehospital Evidence-Based Practice Jehad Ateek	ID 6 Performance metrics of the Extended Focused Assessment with Sonography for Trauma (eFAST) in blunt and penetrating truncal trauma: reliable and accurate? Eddie Rodriguez	ID 21 Clinical characteristics of upper cervical spine injuries in children: a retrospective case series Dayae Jeong	ID 115 Analyzing adverse events in trauma resuscitation: implementing a data-driven approach for improved patient care and safety Anisa Nazir
1420-1430	ID 8 SWIFT in Canada: Study of Whole blood in Frontline Trauma Brodie Nolan	ID 25 Assessing the impact of magnetic resonance imaging on cervical spine clearance in obtunded patients: A retrospective review William Davalan	ID 29 Time to physician initial assessment for CTAS 3 pediatric patients with cervical collars: Is geography destiny? A retrospective chart review from August 2022-August 2023 Liane Boisvert	ID 50 Quality improvement initiative to support timely fibrinogen administration in massive hemorrhage: moving to automatic dispensing and bedside reconstitution Danica Friesen
1430-1440	ID 70 Blood transfusion training for prehospital providers: A scoping review Pierre-Marc Dion	ID 60 Time from injury to definitive care: predictor for the need for operative management in penetrating trauma patients AbdulAziz AlKhanhal	ID 56 Shocking stories: using triage narratives to identify and describe button battery related emergency presentations Christopher Picard	ID 55 Adherence to clinical practice guideline recommendations on pediatric trauma care in Canada: a retrospective cohort study Lynne Moore
1440-1450	Q&A	ID 49 Reinforcing the role of rural trauma laparotomy Cohen Chauk	ID 16 Effects of high acuity cases on pediatric emergency department flow: a combined quantitative and qualitative analysis Casey Jones	ID 101 Identifying a set of quality indicators for older adults hospitalized for injuries: an expert consensus study Marianne Giroux
1450-1500		Q&A	Q&A	Q&A
1500-1530	VISIT EXHIBITS, VIEW POSTERS & REFRESHMENT BREAK			Exhibit Hall Atlantic Ballroom



Day One, Thursday, May 9, 2024, **OPEN PAPER SESSION 2**

	2A Pre-Hospital Harbour Suites	2B Transfusion Elements	2C Emergency Department Commonwealth Ballroom	2D Access to Trauma Care Lunenburg Room
1530-1540	ID 11 Assessing rates of over-triaging with local prehospital trauma team activation protocols. Kevin Durr	ID 7 Initial fibrinogen levels in massively bleeding trauma patients: A single centre, retrospective cohort study. Fayad Al-Haimus	ID 27 National scoping review and survey of trauma team activation criteria and team membership across Canada Melanie Elhafid	ID 26 Trauma in the Cree territories, James Bay: epidemiology, transfers, and patient outcomes (2012-2022) Hamad Alsuwaidi
1540-1550	ID 41 Prehospital care of major trauma in older adults: effect of scene time on outcomes Kavish Chandra	ID 76 A whole lot better: Increased survival and decreased transfusions with a whole blood protocol for major trauma patients Jay Doucet	ID 31 Adoption of a Trauma Team Activation Protocol in a Newly Designated Level 3 Trauma Centre: First Steps Towards an Inclusive Trauma System In Ontario Elizabeth Shih	ID 24 Assessing barriers to accessing quality trauma care in Northern Malawi through a community perspective: novel application of focus groups and photo voice for rapid injury care health system assessment. John Whitaker
1550-1600	ID 5 Mapping urban trauma to improve prehospital care - project update. Johannes von Vopelius-Feldt	ID 33 Viscoelastic testing at Canadian trauma centres: A cross sectional survey of current practices, barriers, and facilitators to implementation Kara Tastad	ID 42 Resuscitative transesophageal echocardiography during the acute resuscitation of trauma: a retrospective observational study Eric Walser	ID 47 Social determinants of health and disparities in pediatric trauma care: systematic review and meta-analysis. Lynne Moore
1600-1610	ID 53 Effectiveness of pre-hospital critical care for major trauma: a systematic review Jeremy Penn	ID 37 Adherence to regional rotational thromboelastometry standards in the care of trauma patients - a retrospective cohort study Brodie Nolan	ID 85 Creating a level III trauma activation process Brittany Gillard	ID 112 A scoping review of measures of rurality appropriate for use in the evaluation of access to care in regionalized trauma systems. Irena Zivkovic
1610-1620	ID 91 Association between updated 2021 Field Trauma Triage Standard and need for trauma center care: A single center retrospective cohort study Ian Beamish	ID 10 Early predictors of achieving the critical administration threshold in trauma patients at a level one trauma center. Kevin Durr	ID 107 Post-intubation analgesia and sedation for injured patients in the emergency department: introduction of an education intervention Kavish Chandra	ID 32 Exploring global military-civilian trauma care cooperation John Whitaker
1620-1630	Q&A	Q&A	Q&A	Q&A
1630-1700	ANNUAL GENERAL MEETING		Plenary Commonwealth Ballroom	

FREE EVENING FOR DELEGATES



Day Two, Friday, May 10, 2024

Item / Talk	Speaker	Room
0730-0830	BREAKFAST	Exhibit Hall Atlantic Ballroom
0830-0915	Dr Fraser Gurd Lecture New Paradigms in Global Health: A Canadian Trauma Systems Perspective	<i>Dr S Morad Hameed</i> Plenary Commonwealth Ballroom
0915-0930	Dr Charles Burns Award & Honourary Membership	Plenary Commonwealth Ballroom
0930-1000	VISIT EXHIBITS, VIEW POSTERS & REFRESHMENT BREAK	Exhibit Hall Atlantic Ballroom





Day Two, Friday, May 10, 2024, **OPEN PAPER SESSION 3**

	3A Operative Care Commonwealth Ballroom	3B Injury Prevention Harbour Suites	3C Health Services Elements	3D Trauma Epidemiology Lunenburg Room
1000-1010	ID 2 Does preperitoneal pelvic packing increase venous thromboembolism risk among trauma patients? A prospective national analysis of 17 level I trauma centers. Lisa Marie Knowlton	ID 105 Falls and seriously injured patients in New Brunswick: a seven-year registry review Allison Chisholm	ID 12 Effectiveness of pediatric trauma centers compared to adult or mixed trauma centers for improving outcomes in children admitted to hospital following trauma: a systematic review and meta-analysis Lynne Moore	ID 52 Comparison of out-of-hospital mortality following injury in Canadian provinces Alexandra Lapierre
1010-1020	ID 34 Current state of intraoperative resuscitation of bleeding trauma patients Sarah McWilliam	ID 46 Using Artificial Intelligence to Automate and Streamline Public Health Reporting of Emergency Department Cases for Injury Reporting and Prevention Evangeline Zhang	ID 23 Artificial intelligence predicts length of stay and discharge disposition of trauma surgery patients at a major Canadian centre Olivia Hunter	ID 57 Enhancing trauma care surveillance in British Columbia: building a real-time dashboard for accelerated access and quality improvement Christopher Picard
1020-1030	ID 92 Management of traumatic duodenal injuries with pyloric exclusion versus primary repair: A systematic review and meta-analysis Qian Shi	ID 106 Penetrating trauma in New Brunswick emergency departments: a seven-year registry review Kavish Chandra	ID 68 Does a dedicated trauma consult service improve patient flow? An assessment of major trauma outcomes and related healthcare costs. Robert Green	ID 14 Injury severity bias in missing prehospital vital signs: identifying and addressing trauma registry missingness. Melissa O'Neill
1030-1040	ID79 In-hospital outcomes with autologous versus synthetic repair of traumatic abdominal vascular injuries: a 10-year review of the PROOVIT registry. Negar Nekooei	ID 94 Impact-detecting helmets as indicators of concussion and traumatic microvascular injury in university football players Abdulla Alshanti	ID 100 Analysis of secondary trauma transfers within an urban trauma network Johannes von Vopelius-Feldt	ID 48 Prevalence of spinal cord injury in major trauma patients: A cross sectional view of Alberta trauma system Chinyere Nwafor-Okoli
1040-1050	ID 39 Intraoperative factors associated with unplanned return to the operating room after emergent hemorrhage control surgery Kayla Wilson	ID 44 Non-powdered firearms: a synthesis of their governance and injury rates across high-income countries. Rachel Strauss	ID 20 Definitive care destination guidelines: determining predictable patterns for admission of injured patients in a large health authority in British Columbia. Allyson Thomas	ID 104 Seriously injured pedestrians and patients involved in motor vehicle crashes in New Brunswick: a seven-year registry review Allison Chisholm
1050-1100	Q&A	Q&A	Q&A	Q&A



Day Two, Friday, May 10, 2024 – **STREAMS**

7 Pre-Hospital & Transport Medicine (PTM)
Moderators: *Dr Nick Sowers, Crystal Upshaw, Joelle Grant, Justin Smith*
Elements

8 Injury Prevention
Moderators: *Joanne Sadler, Brandy Tanenbaum*
Harbour Suites

9 Surgical 2
Moderators: *Dr James Gould, Sarah Sturge*
Commonwealth Ballroom

1105-1205 **From Innovation To Implementation: A Toolbox For Navigating Change**
Justin Smith

Critical Care in the Field: A New Piece to Nova Scotia Trauma Care *Chris Renaud*

Prehospital Blood Matters: Data and Trends Following Implementation of a Prehospital Blood Product Program for Critical Care Transport in Nova Scotia
Crystal Upshaw RN

Does Injury Prevention Have a PR Problem?
Dr Kristin Weerdenburg

Fixing the Unseen: Pathophysiology, Guidelines, and the Future of Rib Fracture Treatment
Dr Daniel French

Disruptive Technology: Integrating Thromboelastometry into the Trauma Team Activation
Dr Nori L Bradley

Item / Talk	Speaker	Room
1205-1315 LUNCH & VISIT EXHIBITS		Exhibit Hall Atlantic Ballroom
1315-1400 Dr Murray Girotti Injury Prevention Lecture	It's Time to Redefine "Success" In Geriatric Trauma: Improving Long-Term Outcomes and Reducing Re-Injury Among Injured Older Adults <i>Dr Barbara Haas</i>	Plenary Commonwealth Ballroom
1400-1415 REFRESHMENT BREAK		Exhibit Hall Atlantic Ballroom



Day Two, Friday, May 10, 2024, OPEN PAPER SESSION 4

	4A Hemorrhage & Miscellaneous Elements	4B In-Hospital Trauma Care Harbour Suites	4C Injury Surveillance Lunenburg Room	4D Interdisciplinary Trauma Care Commonwealth Ballroom
1415-1425	ID 1 Does Early Transfusion of Whole Blood Reduce the Need for Component Therapy in Trauma Patients? A Systematic Review Fran Priestap	ID 35 Retrospective review of current Canadian practice patterns and aspirin dosing in the treatment of blunt cerebrovascular injury Jovana Momic	ID 51 Off-road vehicle major injury and death in New Brunswick: an eight-year review. Liam Priest	ID 22 Structures that impact interprofessional collaboration and patient care in acute trauma settings: A scoping review Alexandra Lapierre
1425-1435	ID 67 Prehospital blood transfusion in the Canadian Armed Forces: A cross-sectional study Pierre-Marc Dion	ID 90 Predictors of splenic artery embolization failure for traumatic blunt splenic hemorrhage: A TQIP retrospective cohort study Qian Shi	ID 65 Work-related injuries and their relationship to substance use in BC. Valentina Olmedo	ID 95 Patient Navigator coordination of transitions for older adults with fractures: qualitative results of patient experiences. Natasha Hanson
1435-1445	ID 110 Paediatric Vascular Trauma Rhiannon Tracey	ID 93 Intravenous low-dose ketamine versus ketorolac in patients with rib cage trauma: a randomized double-blind clinical trial Maryam Bahreini	ID 80 Incidence of severe violent injuries before, during, and after the COVID-19 pandemic: A retrospective trauma registry study. Erica Fitzgerald	ID 109 The development of a provincial inter-organizational case review process in British Columbia yields actionable insight for trauma system improvement David Evans
1445-1455	ID 62 Impact of the Ontario Provincial Massive Hemorrhage Protocol toolkit. Chantalle Grant	ID 111 Sarcopenia in Trauma Patients: Unveiling Mortality Patterns through a Systematic Review Anas Wess	ID 43 Acute care visits for injury following an index assault: a population-based study. Rachel Strauss	ID 113 The role of the clinical pharmacist in the care of trauma patients: a scoping review Jarred Kelly
1455-1505	ID 38 Venous thromboembolism prophylaxis in trauma patients at a Canadian level 1 trauma center Said Ashkar	ID 28 Association between pupil light reflex and delirium in adults with traumatic brain injury in the intensive care unit: Preliminary findings Alexandra Lapierre	ID 36 Igniting a new epidemic? The impact of COVID-19 on rates of self-immolation in Central Texas Sarah McWilliam	ID 71 Evaluating the quality of trauma care provided by a dedicated inpatient trauma consult service: a longitudinal survey of patients and providers. Robert Green
1505-1515	Q&A	Q&A	Q&A	Q&A
1520-1545	PRESENTATION OF AWARDS & CLOSING REMARKS		<i>Dr Jagadish Rao</i>	Plenary Commonwealth Ballroom