

Creating Connections: Advancing Equity & Access to Trauma Care

April 20-21st, 2023
The Westin Edmonton



Trauma Association of Canada
Association Canadienne de Traumatologie

Preliminary Program



Creating Connections:

Advancing Equity &
Access to Trauma Care

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Trauma Association of Canada
Association Canadienne de Traumatologie

Conference Day 1

Thursday, April 20th, 2023

0700-0800 REGISTRATION & COFFEE

0800-0810 LAND ACKNOWLEDGEMENT & WELCOME

Cheryl Connors, EXECUTIVE DIRECTOR
Dr. Andrew Beckett, TAC PRESIDENT
Dr. Damian Paton-Gay, Cathy Falconer, CONFERENCE CO-CHAIRS

PLENARY
BALLROOM – SASKATCHEWAN & MANITOBA

0810-0840 Where did Trauma Care Start and Where to from Here?
SPEAKER: Dr. Andrew Beckett

PLENARY
BALLROOM – SASKATCHEWAN & MANITOBA

0840-0925 OPENING KEYNOTE: INTERNATIONAL LECTURE
Trauma Care in the Ukraine War
SPEAKER: Dr. John Quinn

PLENARY
BALLROOM – SASKATCHEWAN & MANITOBA

0925-1000 BREAK
Visit Exhibits & View Posters

EXHIBIT HALL
BALLROOM – BRITISH COLUMBIA/ALBERTA/YUKON

1000-1100

DAY 1 – STREAMS

1
Surgical 1

MODERATOR: Dr. Matt Strickland
BALLROOM – SASKATCHEWAN & MANITOBA

2
Paediatrics

MODERATORS: Dr. Marianne Beaudin & Cathy Falconer
CENTENNIAL – LOBBY LEVEL

3
TTA/TTL

MODERATORS: Dr. Luis da Luz & Dr. Christian Malo
DEVONIAN – LOBBY LEVEL

Who Should be Accrediting our Canadian Trauma Centres?
SPEAKERS: TBA

Trauma Video Review
A Canadian Paediatric Trauma Centre's Experience
SPEAKER: Dr. Suzanne Beno

Trauma Team Video Review
SPEAKER: Dr. Bourke Tillmann

Tele-Resuscitation in Paediatric Trauma
SPEAKER: Dr. Meagan Doyle

Sunnybrook TTL Program
SPEAKER: Dr. Luis Teodoro da Luz

Blunt Abdominal Trauma CT Algorithm
SPEAKER: Dr. Karl Phillips

TTL Program Implementation Challenges
SPEAKER: Dr. Katherine Smith

1105-1205

4
Military

MODERATORS: Major (Retired) Scott MacLean & LCdr Jo-Ann Hnatiuk
BALLROOM – SASKATCHEWAN & MANITOBA

5
Trauma Patient Journey

MODERATORS: Sherry MacGillivray, Angie Brisson & Nasira Lakha
CENTENNIAL – LOBBY LEVEL

6
**Performance Improvement/
Trauma Systems**

MODERATORS: Deanna Fong & Dr. Lynne Moore
DEVONIAN – LOBBY LEVEL

The Lethal Diamond:
Hypocalcemia in Trauma Resuscitation
SPEAKER: LCol Leilani Doyle BSc MD MSc FRCPC

Evidence-Based Point of Injury Care
SPEAKER: LCol Rich Hilsden MD MBA FRCSC
SPEAKER: Major Shane Smith MD CCFP FRCSC

Far Forward Surgery
SPEAKER: Dr. Chris Kennedy

CAN-PATT (Canadian Prehospital And Transport Transfusion) Network
SPEAKER: Dr. Jan Trojanowski

Trauma Patient Stories:
Listening and Learning to Improve the Quality and Experience in Care
**SPEAKERS: Lara Gurney
Joanne Sadler
Jaclyn Robinson**

Representation in Trauma Registries:
Current Definitions of Data Elements Related to Sex, Gender, Race, & Ethnicity Collected in Canadian Trauma Registries
SPEAKER: Dan Cashen

Rebuilding the Quality Indicators in New Brunswick
SPEAKER: Allison Chisholm

An Update on Real Time Quality Improvement
SPEAKER: Verity Tulloch

DAY 1

1205- LUNCH

1305 *Visit Exhibits & View Posters*

1215- National Trauma Leaders in the Very, Very Hot Seat: 1245 A Challenging Trauma Case

See some of our national trauma leaders discuss and navigate a challenging case with the added stress of escalating spice wings. Think “Hot Ones” for the trauma crowd

HOT WINGS PANEL TBA

EXHIBIT HALL

BALLROOM – BRITISH COLUMBIA/ALBERTA/YUKON

PLENARY

BALLROOM – SASKATCHEWAN & MANITOBA



DAY 1 – OPEN PAPER SESSIONS

1310-1410

1A
Emergency Department

BALLROOM – SASKATCHEWAN & MANITOBA

1B
Older Adults

DEVONIAN – LOBBY LEVEL

1C
Clinical 1

CENTENNIAL – LOBBY LEVEL

1D
Health Services

STRATHCONA – LOBBY LEVEL

1310-1320 ID 34 Trauma team activation under-triage at a Lead Trauma Hospital (LTH) using trauma trained emergency department nurses, development of a pilot project.
PRESENTER: Derek Goltz

ID 60 Risk factors of mortality in older patients with moderate traumatic brain injury.
PRESENTER: Marcel Emond

ID 3 A prospective multi-center study to evaluate increased thromboembolism risk among trauma patients receiving tranexamic acid.
PRESENTER: Lisa Marie Knowlton

ID 40 Creating functional definitions of trauma centres in Canada.
PRESENTER: Natalie Yanchar

1320-1330 ID 31 Impact of the Rural Trauma Team Development course.
PRESENTER: Fran Priestap

ID 42 Geriatric Recovery and Enhancement Alliance in Trauma (GREAT) multidisciplinary quality improvement Initiative: improving process and outcome measures across the trauma spectrum of care.
PRESENTER: Nori Bradley

ID 2 Pseudoaneurysms after high grade blunt solid organ injury and the utility of delayed computed tomography angiography.
PRESENTER: Morgan Schellenberg

ID 27 Evaluation of a Multidisciplinary Traumatic Brain Injury Clinic in the Public Health Care Setting
PRESENTER: Erica Lester

1330-1340 ID 64 Impacts of implementing a trauma team leader during the initial resuscitation period of polytrauma patients in a tertiary adult trauma centre.
PRESENTER: Tristan Desrosiers

ID 55 Older adults experience delayed analgesia in the trauma bay: an equity issue.
PRESENTER: Betel Yibrehu

ID 19 Prognostic factors associated with risk of stroke following blunt cerebrovascular injury: a systematic review and meta-analysis.
PRESENTER: Alexandre Tran

ID 36 Discharge disposition and length of stay before and during the COVID-19 pandemic at an urban level II trauma center.
PRESENTER: Connor Holland

1340-1350 ID 23 Predictors of survival from resuscitative thoracotomy for injured patients: a systematic review and meta-analysis.
PRESENTER: Avneesh BHangu

ID 63 The reliability of the Glasgow Coma Score in older injured patients.
PRESENTER: Marcel Emond

ID 26 Contemporary use of splenic-conserving surgeries for splenic trauma: mechanism of injury matters.
PRESENTER: Angela Tang-Tan

ID 41 Trauma center variation in mortality after hemorrhage control surgery.
PRESENTER: Katherine Florecki

1350-1400 Q & A

ID 61 Factors associated with adverse outcomes in hip-fracture patients: a retrospective cohort study.
PRESENTER: Marcel Emond

Q & A

ID 10 Implementing one of the first level 3 trauma centres in Ontario: a community hospital's experience.
PRESENTER: Sharon Ramagnano

1400-1410

Q & A

Q & A

DAY 1 – OPEN PAPER SESSIONS

2A
Epidemiology

BALLROOM – SASKATCHEWAN & MANITOBA

2B
Pre-hospital

DEVONIAN – LOBBY LEVEL

2C
Equity

CENTENNIAL – LOBBY LEVEL

2D
Injury Prevention

STRATHCONA – LOBBY LEVEL

1415-1425 ID 13 Citation versus disruption: analysis of the top disruptive trauma research publications.
PRESENTER: Joshua Dilday

ID 30 Trauma EMS QI and trauma transfer to definitive care destination decisions.
PRESENTER: Diane Bradford

ID 4 The relation of race and venous thromboembolism after traumatic Injury, the results from the multicenter CLOTT study.
PRESENTER: Chih-Ying Chien

ID 18 Youth safety lab: exploring the prevention spectrum.
PRESENTER: Brandy Tanenbaum

1425-1435 ID 7 How to ensure data accuracy across a multi-site registry in the Edmonton zone.
PRESENTER: Claire Ewatski

ID 74 Strategies to manage non-compressible torso hemorrhage (NCTH) in non-surgical settings: a systematic review.
PRESENTER: Asad Naveed

ID 38 Underprivilege level and injuries: does socioeconomic status still affect trauma outcomes in a universal healthcare system?
PRESENTER: Hamnah Majeed

ID 25 Are operational fitness evaluations safe for military members with a total hip arthroplasty?
PRESENTER: Max Talbot

1435-1445 ID 12 Can CMG+ cost estimates be used as a proxy for microcosting in economic studies of trauma patients?
PRESENTER: Erica Lester

ID 8 Autonomous procedural support for far forward heroic interventions: a component of the TeleHelper for Operational Medical Procedure Support and Offline Network (Trauma THOMPSON) project.
PRESENTER: Nina Jiang

ID 67 A comparison of rural versus urban traumatic injury mortality in Nova Scotia 2011-2020.
PRESENTER: Robert Green

ID 54 Association between firearm-related injury and neighborhood social deprivation in Baltimore City.
PRESENTER: James Byrnes

1445-1455 ID 57 Derivation of the Quebec Brain Injury Categories (QueBIC) for complicated mild traumatic brain injuries.
PRESENTER: Marcel Emond

ID 44 Advanced prehospital interventions do not improve outcomes in hypotensive trauma patients.
PRESENTER: Jessica Zimmerman

ID 76 Advancing knowledge on the implementation of intimate partner violence (IPV) screening programs in trauma care settings: a rapid realist review.
PRESENTER: Kayla Fitzpatrick

ID 73 Characteristics and outcomes of violent injuries at two urban hospitals in Vancouver, British Columbia.
PRESENTER: Joanne Sadler

1455-1505 ID 71 Predicting hemorrhage onset in augmented trauma patients' data through machine learning methods.
PRESENTER: Paul McBeth

Q & A

ID 39 Assessing the trauma needs of patients experiencing homelessness: a retrospective cohort study.
PRESENTER: Hamnah Majeed

ID 20 Injury is not equal: using trauma data to inform prevention 2.0.
PRESENTER: Brandy Tanenbaum

1505-1515 Q & A

ID 68 Use of the six core surgical indicators from the Lancet Commission on Global Surgery in indigenous population regions of Nunavik and the Cree Territories of James Bay in Quebec: a situational analysis.
PRESENTER: Rabab Alabdullah

ID 75 Evidence-based endorsement of the Federal Bill C-21: mobilizing public health action toward decreasing the burden of firearm-related death and injuries in Canada.
PRESENTER: Ian Pike

1515-1525

Q & A

Q & A

DAY 1

1525-1555 **BREAK**
Visit Exhibits & View Posters

1600-1700 **ANNUAL GENERAL MEETING**

1700-1900 **RIVER VALLEY RETREAT**
Welcome Reception & Poster Judging

EXHIBIT HALL
BALLROOM – BRITISH COLUMBIA/ALBERTA/YUKON

PLENARY
BALLROOM – SASKATCHEWAN & MANITOBA

EXHIBIT HALL
BALLROOM – BRITISH COLUMBIA/ALBERTA/YUKON



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Conference Day 2 Friday, April 21st, 2023

0730-0830 REGISTRATION & COFFEE

0830-0915 DR. FRASER GURD LECTURE
Connecting the Dots:
Improving Care for People who use Substances
SPEAKER: Dr. Kathryn Dong

0915-0930 Dr. Charles Burns Award & Honourary Memberships
PRESENTER: Dr. Andrew Beckett

0930-1000 BREAK
Visit Exhibits & View Posters

PLENARY
BALLROOM – SASKATCHEWAN & MANITOBA

PLENARY
BALLROOM – SASKATCHEWAN & MANITOBA

EXHIBIT HALL
BALLROOM – BRITISH COLUMBIA/ALBERTA/YUKON

DAY 2 – OPEN PAPER SESSIONS

1005-1105

3A
Clinical 2

BALLROOM – SASKATCHEWAN & MANITOBA

3B
Education &
Quality Improvement

DEVONIAN – LOBBY LEVEL

3C
Paediatric Trauma

CENTENNIAL – LOBBY LEVEL

1000-1010 **ID 11** Interdisciplinary strategies to prevent long-term, non-beneficial opioid use following trauma: a consensus study.

PRESENTER: Melanie Berube

ID 1 The status of trauma care and trauma surgical education in Canada: a week in the life of a trauma service.

PRESENTER: Kevin Verholf

ID 62 Prehospital mortality among paediatric trauma patients in Nova Scotia: a 17-year retrospective analysis.

PRESENTER: Jason Emsley

1010-1020 **ID 24** Pedestrian and cyclists injured by heavy vehicles: a descriptive study of 10 years of BC Trauma Registry data.

PRESENTER: Barak Raguan

ID 15 Validation of quality indicators targeting low-value trauma care: a multicenter retrospective cohort study.

PRESENTER: Lynne Moore

ID 29 School lockdown, COVID and self-harm injuries/mental health emergency department visits in children.

PRESENTER: Glenn Keays

1020-1030 **ID 45** Major trauma related to burns in Nova Scotia: an 18-year retrospective analysis of trends and predictors of mortality.

PRESENTER: Robert Green

ID 32 Development and preliminary validation of an observation tool for individual teamwork skills during adult trauma resuscitation.

PRESENTER: Alexandra Lapierre

ID 66 Epidemiology and predictors of mortality among major paediatric trauma patients in Nova Scotia: a 17-year retrospective analysis.

PRESENTER: Jason Emsley

1030-1040 **ID 59** Rib fracture score is a good indicator of mortality in chest trauma patients at a level one trauma hospital, Vancouver General Hospital (VGH).

PRESENTER: Bader Al-Zeer

ID 21 Trauma nursing competencies: what are they and why do they matter?

PRESENTER: Jo Ann Hnatiuk

ID 16 Clinical practice guideline recommendations in paediatric orthopaedic injury care: a systematic review.

PRESENTER: Lynne Moore

1040-1050 **ID 72** Clearing the cervical spine in obtunded trauma patients using computer tomography: A systematic review.

PRESENTER: Pierre-Marc Dion

ID 58 Standardizing trauma nursing leadership: a strategy for nursing education in emergency departments within a health authority in British Columbia.

PRESENTER: Lori Milton

ID 65 The power of linked data: investigating social determinants of child health and their implications in reducing paediatric traumatic injury.

PRESENTER: Hunter Goodon

1050-1100 **ID 37** Ambulance response time and death-at-the-scene: an analysis of firearm injuries and motor vehicle crashes in United States counties.

PRESENTER: Jerome Byam

Q & A

Q & A

1100-1110 Q & A

1110-
1210

STREAM 7

Pre-hospital Transport Medicine (PTM)

MODERATORS: Dr. Mark MacKenzie & Justin Smith

BALLROOM – SASKATCHEWAN & MANITOBA

System Integration in Rural Trauma:
A Case Presentation

SPEAKER: Justin Mazzolini

System Integration

SPEAKER: Dr. Kevin Lobay

Firstly Do No Harm:

Error Mitigation in Multi-agency Trauma Resuscitation

SPEAKER: Dr. Adam Oster

DAY 2 – STREAMS

STREAM 8

Injury Prevention

MODERATORS: Joanne Sadler & Jennifer Britton

CENTENNIAL – LOBBY LEVEL

A United Vision for Injury Prevention:
What is it? How do We Get there?

PANELLISTS: Dr. Natalie Yanchar

Valerie Turcotte *NP*

Stephanie Cowle

STREAM 9

Surgical 2

MODERATORS: Dr. Matt Strickland

DEVONIAN – LOBBY LEVEL

The Future of Canadian Vascular Trauma: Ensuring
We have the Skills, the Stuff and the Staff as
Management Evolves

SPEAKER: Dr. Nori Bradley

1210- **LUNCH**

1410 *Visit Exhibits & View Posters*

EXHIBIT HALL

BALLROOM – BRITISH COLUMBIA/ALBERTA/YUKON

1230- **INDUSTRY SYMPOSIUM** *(Not Accredited)*

1330 Biomarker Identification in Mild Traumatic

Brain Injury *(mTBI)*

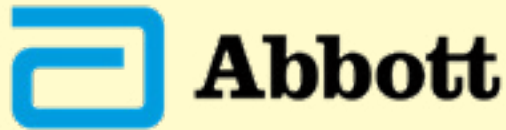
GOLD SPONSOR

Abbott Core Diagnostics

SPEAKER:

Dr. Jaime Marino, *Abbott Associate Medical Director*

SPONSORED BY:



PLENARY
BALLROOM – SASKATCHEWAN & MANITOBA

1330- **COMMITTEE MEETINGS**

1430 *(Paediatric, Injury Prevention, Trauma Team Leaders)*

ROOMS: TBA

1330- **ATLS COORDINATORS MEETING**

1500 **CHAIR:** Glen Purcell

ROOMS: TBA

DAY 2

1430-1515 Dr Murray Girotti Injury Prevention Lecture

Scaling the Cliff: Injury Prevention Advocacy – Useful Skills, Knowledge & Values

SPEAKER: Dr. James Talbot

MODERATORS: Joanne Sadlier & Jennifer Britton

Injury Prevention Committee Co-Chairs

PLENARY
BALLROOM – SASKATCHEWAN & MANITOBA

1515-1535 BREAK

NORTH FOYER

1535-1600 PRESENTATION OF AWARDS
MODERATOR: Dr. Andrew Beckett

Trainees

Dr. Kelly Vogt, *Scientific Program Chair*

Interdisciplinary Trauma Network of Canada (ITNC)

Angie Brisson, *ITNC President*

Trauma Registry Specialists of Canada (TRISC)

Deanna Fong, *TRISC President*

Injury Prevention (IP)

Joanne Sadler & Jennifer Britton *IP Co-Chairs*

Lerners Research Grant Award

Dr. Kelly Vogt, *Research Chair*

PLENARY
BALLROOM – SASKATCHEWAN & MANITOBA

1600-1615 CLOSING REMARKS
Dr. Andrew Beckett

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