



Flattening the Curve on Traumatic Injury

**Annual Scientific Meeting & Conference
Virtual conference from April 12 to 16, 2021**

Trauma Association of Canada | Association Canadienne de Traumatologie



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Dear TAC Delegates and Trauma Colleagues,

Well the last year has certainly changed our plans due to the pandemic. We were so hoping to welcome you to our beautiful west coast city of Vancouver for **TAC 2021: The Annual Scientific Meeting and Conference of the Trauma Association of Canada**. The conference theme this year is timely- **“Flattening the Curve on Traumatic Injury.”** Although we are disappointed that we could not host you in person, the decision to offer a virtual conference was the right one, given COVID-19 is still an issue in most parts of the world. The exciting thing is, because we are virtual, we have been able to offer a larger program with **55 Invited Speakers** and **6 Plenary Session Speakers** including the **Murray Girotti, Fraser Gurd and International Lectures**. The Scientific Program is strong with **42 oral abstracts and 24 posters** being presented.

We think you will enjoy the virtual platform we are using, as all the speakers have pre-recorded their presentations which will be released daily over the course of the week of **April 12-16, 2021** for “on-demand” viewing. This means that you can decide what you want to watch and when you want to watch it. Our 6 Plenary session talks that occur on Monday, Wednesday & Friday are pre-recorded, but there is a live moderated Q & A immediately following the showing of the video, so that you can ask questions of the Presenter. For all other pre-recorded talks, you can pose a question in the asynchronous discussion board as you watch the talk. We also have created a number of live hosted chat “Lounges” that are themed. These are informal (zoom-like), and you can choose which “Lounge” you want to enter by the theme you are interested in.

Be sure to download the TAC mobile app for your Apple or Android devices where our program schedule can be in the palm of your hand. Search “Trauma Association of Canada.” The App will be active for announcements and reminders during the week of the conference so it will be good to have! The conference evaluation is on-line once again this year and you can complete the evaluation of the sessions you watch after you have watched them. You **MUST** watch the full video to complete the evaluation that is at the end. The system will automatically record what you have viewed and add these hours to your certificate for CME, CHL or CEU purposes. When you have watched all that you wish to watch, then you are able to print the certificate yourself. And the best thing is, the conference platform will remain open and accessible to you to watch for approximately a year so you do not have to cram everything into the conference week. And unlike when we are in person and you have to choose between which concurrent session rooms you want to go into, the virtual platform allows you to view all the presentations!

We do hope that you join in for a Social Event on Wednesday April 14 at 2000 when we hope to host a special BC wine or craft beer tasting event. We are still organizing that at the moment.

TAC is grateful for the generous support of our Exhibitors whose sponsorship money helps to offset the educational program we offer. The Virtual Exhibit Hall is really cool and the Exhibitors have put a lot of effort to populate their booth with product information and videos and lots of cool things. We have set aside 3 days/times Mon-Wed-Fri at 1300-1400 EDT and asked the exhibitor representatives to be “in” their booths so you can have a live chat with them. Please take the time to visit and say hello. They are knowledgeable about their products and experts in their field. Without their support we would not be able to hold this meeting.

To help you better navigate the virtual program, please take the time to watch the short video on the platform that gives you a tour. We thank all of our speakers and poster board presenters who have done the work, and taken the time to share their knowledge, experience and expertise with conference delegates, truly helping TAC to work towards its vision to **“improve the lives of all those affected by, or at risk of traumatic injury.”**

Remember to follow us on twitter @traumacanada and tweet while at the conference using **#TAC2021Virtual** and let others know what is happening while you are there!

Dr. David Evans
Micheline Wiebe

Dr. Paul Engels

Trauma 2021 Conference Co-Chairs

Trauma 2021 Scientific Program Chair

Trauma 2021 Conference Co-Chair



Dr. Evans is a trauma and acute care general surgeon currently practicing at the Vancouver General Hospital, Vancouver, British Columbia. He completed a B.A. at Princeton University (1984), an MD (1988) and general surgery residency training (1993) at McGill University, critical care training at the University of Toronto (1997), and an M.Sc. (Epidemiology) at UBC (2010). He joined UBC and the VGH Department of Surgery in 2005 and has served as both VGH site Trauma Director and Vancouver Coastal Health Regional Trauma Director. Since 2013, he served as Provincial Medical Director of Trauma Services B.C. where he continues to lead change in system design and development.



Micheline Wiebe is the Provincial Director for Trauma Services BC. She holds a Master of Nursing – Nurse Practitioner and Bachelor of Science in Nursing from the University of Saskatchewan. She is a Certified Emergency Nurse and former practicing Nurse Practitioner. She works as a part-time instructor the Rural Emergency, Trauma and Critical Care Nursing program through the University of Northern British Columbia. She is a member of the Society of Trauma Nurses and a coordinator for Advanced Trauma Life Support (ATLS) through the American College of Surgeons. She is an active member and mentor at the Canadian College of Health Leaders, supporting the development of healthcare leaders across Canada. She is candidate of the Certified Health Executive program (Spring 2021).

Trauma 2021 Scientific Program Chair



Dr. Paul Engels is an Associate Professor in the Department of Surgery at McMaster University. Dr. Engels practices clinically as a Trauma Surgeon and Intensivist at the Hamilton General Hospital. He is a member of the Eastern Association for the Surgery of Trauma, the American Association for the Surgery of Trauma, and is the Ontario Chair for the American College of Surgeons Committee on Trauma. Dr. Engels has been a member of the Trauma Association of Canada for over a decade and currently serves as its Scientific Program Chair (since 2016). He is a Director on the Board of TAC since 2020.

2021 TRAUMA ASSOCIATION OF CANADA ANNUAL SCIENTIFIC MEETING & CONFERENCE

The Trauma Association of Canada (TAC), Canada's **only Interdisciplinary Association** focused solely on the care of the injured patient, hosts Canada's unique multi-disciplinary conference on trauma. The 2021 program will feature a wide range of educational activities, including interdisciplinary presentations on a variety of topics, special interest group meetings, clinical updates, and special presentations. – Program highlights include:

- Murray Girotti Injury Prevention Memorial Lecture
- Fraser Gurd Memorial Lecture
- International Lecture Speaker
- Focus on surgical treatment of the trauma patient
- Talks on current developments in pre-hospital & emergency trauma care
- Trauma education & skill development
- Best practices in the ICU & Emergency Department in caring for the trauma patient
- Talks on current developments in rehabilitation care. Injury prevention
- Oral & poster abstract presentations
- Trauma System Design
- Quality improvement & performance measurement

Overall Conference Session Objectives

- Provide a forum for a community of interdisciplinary practice to share best practices, CPGs, latest research, and evidence in providing optimal care to the injured patient
- Disseminate advocacy strategies which reduce the incidence of injuries
- Provide a forum for the presentation of trauma research happening in Canada and globally
- Provide opportunities to network with trauma colleagues in Canada and globally

In keeping with CMA guidelines, program content and selection of speakers are the responsibility of the Trauma 2021 TAC Planning Committee. Support is directed toward the costs of putting on the CPD and not to individual speakers through an unrestricted grant that supports the education programming. Adherence to privacy, confidentiality and copyright laws are strictly enforced when interacting with sponsors.

Continuing Education Hours Information for Canadian Registered Nurses

A certificate of attendance (for 1 or 2 days) to a maximum of **26.75 Continuing Learning Hours (CLH)** will be issued to RNs, NPs, CNS for the purposes of the Canadian Nurses Association national speciality certification program who complete the on-line evaluation form.

Continuing Education Units Information for Allied Health & all other Conference Delegates

A certificate of attendance (for 1 or 2 days) to a maximum **26.75 Continuing Education Units (CEUs)** will be issued to all Allied Health & other Conference Delegates who complete the on-line evaluation form.

Who Should Attend?

Professional Health Care Providers including:

- ✓Trauma Surgeons
- ✓Emergency Physicians
- ✓Anaesthetists/Intensivists
- ✓Paramedics/EMTs
- ✓ Injury Prevention Specialists
- ✓Trauma Program Managers/Coordinators
- ✓ Trauma Data Information Specialists and Analysts
- ✓Emergency/Critical Care/Perioperative Nurses
- ✓Simulation Providers
- ✓Allied Health/Physician Assistants

TAC is pleased to be able to offer access to the virtual conference free of charge to delegates who are a resident in a low/middle income country (as defined by the World Bank). Delegates from these countries simply register in the appropriate category. The home address will provide complimentary access.

Tuesday April 13, 2021 Committee Meetings (all times are EDT)

Time	Name of Group	Location
1230-1430	TAC Board of Directors (Chair Dr Tarek Razek)	Via Zoom
1400-1500	Pediatric Committee (Chairs: Dr Karen Bailey & Cathy Falconer)	

Wednesday April 14, 2021 (All times are EDT)

Time	Name of Group	Location
1100-1200	ATLS National Coordinators Meeting (Chairs: Sonia Primeau & Sonshire Figueira)	Via Teams
1415-1530	Annual General Meeting (Chair: Dr Tarek Razek)	Via Zoom

**Thursday April 15, 2021 Special Interest Group /Committee Meetings
(all times are EDT)**

Time	Name of Group or Committee	Location
1130-1600	TRISC Day & Rapid Fires (Members free; non-members \$25-must register on conference platform) Chair: Jennifer McMillan	Via Zoom
1045-1100 1100-1645	ITNC Premeeting Coffee & Zoom Chat ITNC Day & Rapid Fires (Members free; non-members \$25-must register on conference platform) Chair: Theresa Pasquotti	Via Zoom

Invited Lecture Speakers



Dr. Fraser Gurd Lecture Speaker

Dr Lynne Moore, PhD, Full Professor, FRQS

Lynne Moore is full professor of epidemiology and biostatistics at the department of social and preventative medicine, Laval University in Québec City. She is recipient of a research career award and a CIHR Foundation grant, holds or shares over 10.1\$m in research grants, and has published 145 peer-reviewed papers over her research career. Her research aims to improve the quality of acute injury care. She currently leads the *Canadian Program for Monitoring Overuse in Injury Care* aiming to develop and evaluate the effectiveness of an Audit & Feedback module targeting the de-adoption of low-value clinical practices in injury care.



International Lecture Speaker

Dr Ben Beck PhD

Dr Ben Beck is Head of Sustainable Mobility and Safety Research and Deputy Head of Prehospital, Emergency and Trauma Research at Monash University, Victoria, Australia. He is the current elected President of the Australasian Injury Prevention Network (AIPN), the peak body for injury prevention in Australia and New Zealand. Ben leads a large body of trauma and injury prevention research, with a focus on the intersection between transport and health.



Dr Murray Girotti Injury Prevention Lecture **Speaker**

Najma Ahmed MD, PhD, FRCSC, FACS

Dr. Ahmed completed Medical School and General Surgery Residency at McGill University. She holds a PhD in Surgical Infections and Sepsis. Following Residency, Najma pursued fellowship training in Trauma Surgery and Critical Care at the University of Michigan and the University of Toronto.

Najma was recruited to St. Michael's Hospital in the Division of General Surgery in 2001. Her clinical focus and practice are in Acute Care Surgery, Trauma and Critical Care. She has been committed to clinical training processes and outcomes since the beginning of her career. From 2008 until 2018, Najma was the Residency Program Director for General Surgery, responsible for the largest and arguably most complex surgical training program in North America. Under her leadership, the program was known for its stellar clinical and academic training, diversity, and engagement of trainees.

Najma holds the positions of Vice Chair of education, Department of Surgery at University of Toronto, and Professor of Surgery. In this role, she provides visionary leadership for training success for medical students, residents, and fellows, as well as career success of surgeon-teachers within the Department of Surgery. Her contributions to post graduate surgical education have been recognized by numerous awards, including the prestigious Royal College AMS/Donald Richards Wilson Award in 2016.

Her scholarly activities relate to Resident duty hours, Resident wellness, and the application of a competency-based framework to surgical training. In 2019, she joined the Royal College as a Clinician-Educator. She recently was awarded the CMA Canadian Medical Association, Sir Charles Tupper Award for her work on physician advocacy related to gun violence prevention.

Najma has provided trusted leadership as Surgeon-in-Chief at St. Michael's Hospital over the last many months, and especially during the unprecedented period of the COVID19

Plenary Session Speakers



President, TAC

Tarek Razek MDCM, FRCSC, FACS

Dr. Tarek Razek is trauma/general surgeon and intensivist who is the current Director of the Adult Trauma Program at the McGill University Health Centre (MUHC). He completed his surgical training at McGill University and his trauma surgery/ICU fellowship at the University of Pennsylvania in Philadelphia.

His basic Red Cross training was done with the American Red Cross. He subsequently trained and worked with the International Committee of the Red Cross (ICRC) as a war surgeon.

He trained in Geneva with the ICRC war surgery course and has deployed to the Sudan. He has trained with and the Federation of Red Cross/Crescent Societies in the Emergency Response Unit (ERU) Field Hospital. His ERU training was with the German Red Cross. He has deployed to Haiti after the earthquake with the German/Finnish ERU field hospital. He is currently a trainer for ERU medical teams for the Canadian Red Cross. Dr. Razek has completed the training for medical director for the Canadian ERU field hospital. He is a co-director of the Centre for Global Surgery at the MUHC. He actively participates in the surgical development programs in Dares Salaam, Tanzania and Kigali, Rwanda.

Dr. Razek is the current Chair of the Canadian Network for International Surgery (CNIS) board of directors. His work with this organization involves developing surgical capacity (trauma, emergency surgery and obstetric skills) with comprehensive educational programs, developing injury control centres and injury databases. This work involves teaching courses such as the Trauma Team Training (TTT™), the Essential Surgical Skills (ESS™) and the Structured Operative Obstetrics (SOO™) courses. He has been involved in these programs in Ethiopia, Tanzania, Rwanda and Haiti.

He is also assistant physician for the Montreal Canadiens Hockey Club



Mike Christian MD, MSc (Public Health), FRCPC

Research & Clinical Effectiveness Lead, HEMS Doctor: London's Air Ambulance & Bart's Health NHS

Mike is a senior healthcare sector leader with nearly 30 years of experience, beginning as a paramedic. His specialties include critical care medicine, infectious diseases, military, aviation and pre-hospital medicine. Mike has enjoyed a diverse range of roles, including Chief Safety Officer (CSO) for the largest multi-site hospital in Ontario, Canada, Medical Director of Critical Care Response Teams in Canada, and Director (Founding Board) of Ontario Agency for Health Protection & Promotion Health System.

In 2016, Mike moved to the UK for a sabbatical with London's Air Ambulance. Having decided to remain in the UK, he served as Clinical Lead for an Air Ambulance in the counties and subsequently was recruited to join London's Air Ambulance's senior team for a period of two years to lead on the delivery of key objectives within their research strategy.

Mike completed an MSc in Public Health at the London School of Hygiene and Tropical Medicine. He is a retired member from the Regular Forces of the RCAF having served tours in Haiti and Afghanistan and continues to serve as a reserve specialist medical officer/flight surgeon. Mike has responded to a number of disasters including SARS, the 2010 Haiti earthquake and was one of the first on scene of the London Bridge attack. Mike's academic pursuits focus on disaster management and emergency preparedness and I am well-published, and in 2018 was identified as one of the top 3 authors in the field of Disaster Medicine between 2008-2017.

Mike is the past-chair of the Society of Critical Care Medicine's Fundamentals of Disaster Medicine committee and of the ACCP's Disaster Response Committee. In addition, he has served on several international disaster medicine task forces and has advised organizations as well as governments globally on emergency preparedness.



Jamin Mulvey FANZCA, MBBS(Hons), DIMM, MPHTM, BSc(Hons)

Jamin Mulvey is an Australian trained Anesthetist, graduating from Medical School at the University of Sydney in 2002 and finishing his Anesthesia Training in 2011. He moved to Canada in 2013 to complete his Pediatric Anesthesia Fellowship at the Alberta Children's Hospital, where he continues to work as an Attending Anesthesiologist.

Jamin has a strong background in Pre-hospital and Retrieval Medicine (PHRM) and is no stranger to the austere environment. He has worked in Antarctica, the Arctic, Pakistani Kashmir, the

Jamin has a strong background in Pre-hospital and Retrieval Medicine (PHRM) and is no stranger to the austere environment. He has worked in Antarctica, the Arctic, Pakistani Kashmir, the Papua New Guinea highlands, and South Africa. His non-hospital roles have included working at a consultant level in Australia for various Air Ambulance Services (Careflight QLD, Emergency Management Queensland, Careflight NT, and the Royal Flying Doctors Service) and a Senior Officer in the Military Critical Care Aeromedical Team for the Royal Australian Air Force. In 2020, Jamin moved to the United Kingdom for a 6-month position with the London Air Ambulance but was cut short due to the COVID-19 pandemic.

He currently works as the Medical Director for the Shock Trauma Air Rescue Service (STARS) in Calgary; as a Transport Physician for both Calgary and Grande Prairie STARS Bases; and Medical Director for the Sunshine Village Ski Patrol, Banff.

Day 1 -Monday April 12, 2021- (All talks are in EASTERN Time)

Time	Talk/Item	Speaker	Type of Presentation
0700	Opening Remarks & Welcome by Co-Chairs	Dr David Evans & Micheline Wiebe	Pre-recorded and on demand
	Remarks by Scientific Program Chair	Dr Paul Engels	
0700	Release of Poster Abstracts for Viewing	See On-line Program for the list of Posters being presented	Can be viewed at any time after release

Invited Speaker Stream 1 Trauma System Design

Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time.	Building a Trauma Service at Nanaimo General Hospital on Vancouver Island	Dr Bryan Wells	Pre-recorded 15-minute talks, to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	The Long and Winding Road to an Inclusive Trauma System in Ontario	Dr Bernard Lawless	
	Update on Organized Major Trauma Care in Newfoundland	Dr Darrell Boone	
	Life in the Fast Lane...Transitioning to One Provincial Trauma System in Saskatchewan	Dr Jagadish Rao	
	Continuing Evolution of Trauma System Design in Nova Scotia	Lewis Bedford	

Invited Speaker Stream 2 Pre-hospital/Emergency Medicine

Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time	System Readiness for Active Shooter Events	Dr Eric Vu	Pre-recorded 15-minute talks to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	BCEHS Pre-hospital Blood Transfusion Program	Adam Greene	
	UK REBOA & P-PRO Study-The Role for Pre-hospital REBOA	Dr Jan Jansen	
	How the Royal London Hospital Decreased Code Red Mortality	Professor Anne Weaver	
	Trauma Care in the Mountains: Lessons Learned Practicing Medicine with a Helmet On	Dr Alec Ritchie	

Invited Speaker Stream 3 Lessons in Damage Control Resuscitation/Surgery - Cases that Schooled the Experts

Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time	Damage control Resuscitation and Surgery. Getting it right. Lessons from a Recent Case.	Dr Matt Kaminsky	Pre-recorded 15-minute talks to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	Neurotrauma Update	Dr Sunjay Sharma	
	Clinical Case Discussion on a Difficult Surgical Case	Dr Bryan Cotton	
	Clinical Case Discussion on a Difficult Surgical Case	Dr Neil Parry	
	When is Damage Control Resuscitation and Interventional Radiology a Better Option than Damage control Laparotomy?	Dr Harvey Hawes	

Time EDT	Plenary Session	Speaker	Type of Presentation	
1200-1300	President's Talk	Dr Tarek Razek	Address is Pre-recorded but there will be a live Q & A following the talk	
1300-1400	Grab a coffee or tea while you visit with the Exhibitors or join in one of the live hosted Social Networking Lounges on a Topic of Interest to You			
Virtual Exhibit Hall				
1300-1400	Opening of Virtual Exhibit Hall	Exhibitors will be present in their virtual booths this hour to interact with delegates	Please make the time to drop in on the Exhibitors now	
1300-1400	Lounge 1 Surgical Trainee Career Guidance	Lounge 2 TRISC	Lounge 3 Pre-hospital	Lounge 4 Research
	Want some guidance on your career in Trauma Surgery? Meet with a Canadian Surgeon to discuss possibilities.	Interested in learning more about the Trauma Registry Specialists of Canada-a subgroup of TAC? Join President Jennifer McMillan to find out more	Are you a pre-hospital care provider? Join host Dr Alun Ackery to learn more about the pre-hospital committee at TAC.	Interested in trauma research and want to discuss a project or a new research idea? Join Chair of the TAC Research Committee, Dr Andrew Beckett and other Canadian researchers to discuss further.
1300-1400	Lounge 5 Emergency Medicine Trainees/Trauma Team Leaders	Lounge 6 Damage Control Surgery Discussion	Lounge 7 Trauma System Design	Lounge 8 Catch up with a Colleague
	Interested in a career in Emergency Medicine? Meet with EM Physicians and Trauma Team Leaders to hear what it is really like.	Join host Dr David Evans to hear more about the cases presented in Stream 3 and ask your questions.	Interested in sharing information/asking questions of trauma program leaders across Canada? Join host Micheline Wiebe for a wide-open discussion.	Make your own plans to meet up in this lounge to catch up with a colleague and friend.

Monday Evening

Time EDT	Plenary Session-Dr Fraser Gurd Lecture	Speaker	Type of Presentation
1900-2000	Improving the Quality of Canadian Trauma Care: From Evidence to Action	Dr Lynne Moore	Pre-recorded presentation followed by a live moderated Q & A session. All delegates can ask questions in real time.

Day 2-Tuesday April 13, 2021 (all talks are in Eastern Time)

0700	Welcome & Overview of Day 2	Amanda Mcfarlan	Pre-recorded
Invited Speaker Stream 4 Quality Improvement/Performance Measurement			
Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time	Trauma Distinction & TQIP Benchmarking: Alberta's Experience	Dr Rosmin Esmail & Chris Vis	Pre-recorded to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	The Impact of Clinical Documentation on Injury Severity Score and Trauma Data Accuracy	Jennifer McMillan & Deanna Fong	
	Value-based Health Care in Trauma: Business Transformation Approaches for Trauma QI Start Ups	Dr Morad Hameed	
	Evidenced Based Quality Improvement Initiatives in Non-Academic Canadian Trauma Program	Dr Chris Steyn	
	Ontario Benchmarking of Under & Over Triage	Dr Barbara Haas	
Invited Speaker Stream 5 Injury Prevention			
Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time	Road Safety- Looking at Canada's Safest Driving Contest & Moving to Completely Virtual Campaigns	Valerie Smith	Pre-recorded to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	Look Back on the Preventable Campaign	Laura Dale & Dr Ian Pike	
	BRAVE Program- Psychological Aspects of Injury Prevention	Brandy Tanenbaum	
	Community Perceptions: Facilitators and Barriers to Active Transportation	Megan Oakey	
Invited Speaker Stream 6 Nursing & Allied Health			
Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time	Transporting the Acute Trauma Patient to a Higher Level of Care	Brian Lee	Pre-recorded to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	Intense Trauma Allied Health Model of Care in a Level 1 Trauma Centre in Melbourne, Australia	Melissa Webb	
	Preventing Long Term Opiate Use Following Trauma: Filling the Research Gap	Melanie Berube	
	The Evolution of Trauma Nursing Education- The British Columbia Perspective	Glen Purcell & Nasira Lakha	
	Human Trafficking-Red Flags and What Can Be Done	Larissa Maxwell	
	Points of Intersection; Anticipatory Guidance for Wholistic Trauma Care in Australia	Rebekah Ogilvie	

0700 Release	Oral Abstracts- Open Paper Session 1A (all talks are in Eastern time) Education in Trauma Care		
Abstract ID#	Title of Abstract	Presenter	Type of Presentation
11	Measuring behavioral quality and quantity of team leaders during simulated interprofessional trauma care	Abdulrahman Saleh	These are 10 minutes pre-recorded presentations to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
13	Improving rural trauma outcomes: A structured trauma-training program for Rural Family Physicians with Enhanced Surgical Skills - a pilot project.	Phillip Dawe	
16	The catalytic effect of multisource feedback for trauma teams: a pilot Study	Leah Allen	
35	Closed loop communication in the trauma bay: identifying opportunities for team performance improvement through a video review analysis.	Avneesh Bhangu	
45	Trauma 101: A virtual case-based trauma conference as an adjunct to medical education	Alexandra Allard-Coutu	
0700 Release	Oral Abstracts- Open Paper Session 1B (all talks are in Eastern time) Pre-hospital Care		
Abstract ID#	Title of Abstract	Presenter	Type of Presentation
2	Stopping the bleed: the history and rebirth of Canadian freeze-dried plasma	Marcus Moore	These are 10-minute pre-recorded presentations to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
7	A mixed methods study of a paramedic falls-referral program in Nova Scotia. <i>(Note this presentation is the winner of the 2020 TAC-Lerners LLP Research Grant)</i>	Judah Goldstein	
51	Augmented reality surgical telementoring for leg fasciotomy	John McPherson	
74	Is it better to watch before or listen while doing? A randomized trial of video-modelling versus telementoring for out-of-scope tube thoracostomy insertion performed by Search and Rescue Medics	Andrew Kirkpatrick	
75	Indications for prehospital civilian tourniquet application by first responders: An expert consensus opinion of military physicians by delphi method	Alex Merkle	
0700 Release	Oral Abstracts- Open Paper Session 1C (all talks are in Eastern time) Trauma Systems		
Abstract ID#	Title of Abstract	Presenter	Type of Presentation
14	Trauma treatment: Evidence-based response to psychological needs after a natural disaster	Judi Malone	These are 10-minute pre-recorded presentations to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
15	How prepared are Canadian trauma centres for mass casualty incidents?	Arisha Javidan	
22	Prehospital narrow pulse pressure predicts need for resuscitative thoracotomy and emergent surgical intervention after trauma	Morgan Schellenberg	
47	Engaging patients in the selection of trauma quality indicators	Agathe Lorthios-Guilledroit	

56	Between paradigms: comparing patient and parent experiences of injured adolescents treated at pediatric or adult trauma centres	Mathew Yeung	
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Day 3-Wednesday April 14, 2021 (All talks are in Eastern Time)

0700	Welcome & Overview of Day 3	Sherry McGillivray	Pre-recorded
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Invited Speaker Stream 7 Rehabilitation of the Injured Patient

Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released all at once for viewing at any time	Update on the Acute/ICU Management of Severe TBI	Dr Myp Sekhon	15-minute pre-recorded talks to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	Concussion: Typical Presentation, National Guidelines/Vancouver Model	Sarah Courtice & Susan Barlow	
	Severe TBI Agitation Management	Dr Derry Dance	
	Neuro Trauma Long-term Outcomes	Amy Hanlan	

Invited Speaker Stream 8 Pediatrics

Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time	Button Battery Ingestion: Development of a Protocol for Treatment	Dr Jonathan Guilfoyle	15 minutes pre-recorded to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	Traumatic Brain Injury & CRASH-3 Results	Dr Paul Doughty	
	Massive Transfusion Protocol	Dr Genevieve Ersnt & Dr Douglas Morrison	
	Child Maltreatment During a Global Pandemic: Prevention and Tools for Screening	Dr Nita Jain	

Invited Speaker Stream 9 Global Health- Building Surgical Capacity in Very Low Resource Settings, from the Ground Up

Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time	Global/International Perspective on Childhood Injuries and Trauma	Dr Dominic Allain	15-minute pre-recorded talks to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	Developing a Strong Surgical System in Inuvik, Northern Canada	Dr Ryan Falk	
	Building a Surgical Services from the Ground Up in Afar, Ethiopia	Dr Esayas Mustafa	
	Maintaining High Quality Surgical Services in Austere Environments	Dr Haydar Awash	
	Moderated Discussion (Pre-recorded) with 3 Speakers Around the Importance of In-country Training, Sustainable Capacity-building, and Solutions Adapted to the Current COVID-19 Pandemic	Dr Emile Joos (moderator) with Dr Ryan Falk, Dr Esayas Mustafa, Dr Haydar Alwash	This is a pre-recorded moderated session

0700 Release	Oral Abstracts- Open Paper Session 2A (all talks are in Eastern time) Brain Injury & Prevention		
Abstract ID#	Title of Abstract	Presenter	Type of Presentation
5	The state of the evidence for Emergency Medical Services (EMS) Care of prehospital severe traumatic brain injury: an analysis of appraised research from the Prehospital Evidence-based Practice program.	Jennifer Greene	These are 10-minute pre-recorded presentations to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
33	Neurological outcomes after traumatic cardiac arrest: a systematic review.	Daniel Shi	
8	First presentations of psychiatric illness at a Level 1 trauma center	Erica Schmitz	
26	Exploring physical literacy as a condition of fall mechanism in older adults	Brandy Tanenbaum	
29	Is the use of business intelligence software helpful in planning injury prevention campaigns?	Allison Chisholm	
0700 Release	Oral Abstracts- Open Paper Session 2B (all talks are in Eastern time) Inpatient Trauma Care-1		
Abstract ID#	Title of Abstract	Presenter	Type of Presentation
17	Retrievable inferior vena cava filter for primary prophylaxis of pulmonary embolism in at-risk trauma patients: a feasibility trial	R. Mason Curtis	These are 10-minute pre-recorded presentations to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
24	Impact of a geriatric consultation service on outcomes in older trauma patients: a retrospective pre-post study	Jacinthe Lampron	
30	Exposure to endotracheal intubation among trauma patients in level V trauma centers in New Brunswick – a retrospective review	Julie Ringuette	
31	Are early specialist consultations helpful predictors of those who require care in level I or II designated trauma centres?	Ian Watson	
39	Embolization in non-splenic trauma: outcomes at a Canadian trauma hospital	Christine Li	
0700 Release	Oral Abstracts- Open Paper Session 2C (all talks are in Eastern time) Inpatient Trauma Care-2		
Abstract ID#	Title of Abstract	Presenter	Type of Presentation
42	Evaluation of low-value clinical practices in acute trauma care: a multi-center retrospective study.	Lynne Moore	These are 10 minutes pre-recorded presentations to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
46	Physiologic considerations, indications, and techniques for ECLS in trauma: Experience of a Level 1 trauma centre	Sadiq Al Khaboori	
53	Identification of high-risk trauma patients requiring major interventions for traumatic hemorrhage: a prospective study of clinical gestalt.	Alexandre Tran	
55	Evaluating best practices in trauma care of older adults.	Mathew Guttman	

57	Early outcomes after implementation of chest trauma management protocol in Vancouver General Hospital.	Renée-Anne Poirier	
Time EDT	Plenary Session	Speaker	Type of Presentation
1200-1300	Addressing Therapeutic Gaps in Trauma Care: A Systems Approach to Saving Lives	Professor Mike Christian (London,UK)	Pre-recorded presentation with live moderated Q & A following the video
1300-1400	Grab a coffee or tea while you visit with the Exhibitors or join in one of the live hosted Social Networking Lounges on a Topic of Interest to You		
Virtual Exhibit Hall			
1300-1400	Exhibit Hall is Open Now!	Exhibitors will be present in their virtual booths this hour to interact with delegates	Please make the time to drop in on the Exhibitors now
1300-1400	Lounge 1 Submitting an Abstract to TAC	Lounge 2 Interdisciplinary Trauma Network of Canada (ITNC)	Lounge 3 TAC Performance Improvement Committee
	Interested in submitting an abstract next year for Montreal? Chat with the Scientific Program Chairs Dr Paul Engels and Dr Kelly Vogt	Interested in getting to know interdisciplinary colleagues across the country in other trauma programs doing jobs like you? Join ITNC President Theresa Pasquotti to learn more. Get connected with the right people to network.	The TACPIC Committee is a busy group involved in many QI initiatives and CPGs. Join Co-Chairs Jaimini Thakore & Amanda Mcfarlan to learn more about the work of this committee
1300-1400	Lounge 4 Global Health	Lounge 5 Rehabilitation	Lounge 6 Catch Up with a Colleague
	Join host Dr Emile Joos to continue the discussion on trauma from a global perspective.	Hosted by Dr Derry Dance, find out more about the rehabilitation journey of trauma patients with Canadian interdisciplinary rehabilitation experts.	Make your own plans to meet up in this lounge to catch up with a colleague and friend.
1415-1530	TAC Annual General Meeting-live via Zoom link (link supplied to TAC members & delegates) Chaired by Dr Tarek Razek, TAC President		

Wednesday Evening

Time EDT	Plenary Session- International Lecture	Speaker	Comments
1900-2000	The year is 2050 and We Achieved Vision Zero: The Influential Role of the Trauma Community	Dr Ben Beck (Australia)	Pre-recorded presentation followed by a live moderated Q & A.
2000	Social Event	Details to Follow	Social event on Zoom platform

Day 4-Thursdays April 15, 2021 (all talks are in Eastern time)

0700	Welcome & Overview of Day 4	Nasira Lakha	Pre-recorded
0700 Release	Oral Abstracts- Open Paper 3A (all talks are in Eastern time) Inpatient Trauma Care-3		
1D #	Talk Title	Speaker	Type of Presentation
59	Utility of diagnostic peritoneal lavage versus focused abdominal sonography for trauma in penetrating abdominal injury.	Mahwah Siddiqi	10 minutes pre-recorded to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
61	Time to definitive surgery and survival in pediatric patients <18 years with gunshot wounds.	Theresa Evans	
62	The effect of chronic obstructive lung disease on post-traumatic acute respiratory distress syndrome: predictors of morbidity and mortality.	Keren Guiab	
63	The association between injury type and clinical outcomes in patients with traumatic renal injury after nephrectomy	Keren Guiab	
69	When low complication rates are a bad sign: the negative impact of introducing an Electronic Medical Record on TQIP data completeness	Nori Bradley	
0700 Release	Oral Abstracts- Open Paper 3B (all talks are in Eastern time) Potpourri-1		
Time	Talk Title	Speaker	Type of Presentation
71	Geriatric recovery and enhancement alliance in trauma (GREAT) multidisciplinary quality improvement initiative: improving process and outcome measures for geriatric trauma patients	Nori Bradley	10 minutes pre-recorded to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
73	Increasing the safety of inadvertent iliac artery device deployment with the COBRA-OS, a novel low-profile REBOA device.	Adam Power	
21	Value of data collected by the medical examiner service on the quality of alcohol and toxicology testing in fatal motor vehicle collisions.	Karen Ssebazza	
41	The Matrix: grouping ICD10-CA injury codes by body region and nature of injury for reporting purposes.	Deanna Fong	
0700 Release	Oral Abstracts- Open Paper 3C (all talks are in Eastern time) Potpourri-2		
Time	Talk Title	Speaker	Type of Presentation
70	Clinical handover from paramedic services to the trauma team: a video review analysis of the IMIST-AMBO protocol implementation.	Cara Elliott	10 minutes pre-recorded to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
10	Alcohol and substance abuse screening in pediatric trauma patients: examining rates of screening and implementing a screen for the pediatric population.	Aleena Amjad Hafeez	

49	Strategies aimed at preventing chronic opioid use in trauma and acute care surgery: a scoping review	Caroline Côté	
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Day 5-Friday April 16, 2021 (All talks are in Eastern time)

0700	Welcome & Overview of Day 5	Micheline Wiebe	Pre-recorded
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Invited Speaker Stream 10 (all talks are in Eastern time) Military

Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time	Transfusion Research in Support of the Canadian Armed Forces	Dr Andrew Beckett	15 minutes pre-recorded to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	Pre-hospital Combat Hemorrhage Control: From Packing to REBOA and Beyond	Dr Rich Hilsden & Dr Shane Smith	
	Tactical Field Care: An Update	Major Andrew Carriere	
	Lessons Learned from Deployed Emergency Response Team Operations	Major Marie-Andree Lavoie	

Invited Speaker Stream 11 (all talks are in Eastern time) Getting out of a Hole

Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time	Challenges in Colorectal Emergencies	Dr Julie Ann Van Koughnett	15 minutes pre-recorded to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	Complicated Pancreatitis-the role for VARDS	Dr Mark Oppenheimer	
	I Can't Close the Hole in the Duodenum	Dr Brad Moffatt	
	A Multidisciplinary Approach to Enteroatmospheric Fistula	Dr Morad Hameed	
	Operating for Two: Decision-making for Acute Care Surgery Problems in Pregnancy	Dr Nori Bradley	

Invited Speaker Stream 12 (all talks are in Eastern time) Disaster Planning & Management

Time	Talk Title	Speaker	Type of Presentation
0700 Talks are all released at once for viewing at any time	Applied Disaster Medicine Course- A Model for Education in Disaster Medicine	Dr Erin Fukishima	15 minutes pre-recorded to be viewed on demand. Post questions for the Presenters in the Discussion Board as you watch the video.
	Crisis Resource Management in Disasters vs Emergencies	Dr Jared Bly	
	Disaster Triage: Do We Really Have the Right Disaster Triage System?	Dr Chris Lee	
	Coordination and Traumatic Injuries of the Medical Response Following Natural Disasters	Dr Mike Flesher	

Time	Plenary Session- Dr Murray Girotti Lecture	Speaker	Type of Presentation
1200-1300	Acumen to Advocacy to Action: Canadian Doctors for Protection from Guns	Dr Najma Ahmed	Pre-recorded presentation followed by a live moderated Q &A

1300-1330	Awards Ceremony-Live Via Zoom		
Name of Award	Recipient		Person Presenting Award
Dr Charles Burns TAC Board Recognition Award	TBA		Dr Tarek Razek (TAC President)
TAC Honourary Lifetime Member Award	TBA		Dr Tarek Razek
Trainee Awards	TBA		Dr Paul Engels (Scientific Program Chair)
TAC Lerner LLP Research Grant Competition Winner	TBA		Lt Col Andrew Beckett (Research Committee Chair)
Injury Prevention Award	TBA		Jennifer Britton & Joanne Sadler (IP Committee Co-Chairs)
TRISC Awards	TBA		Jennifer McMillan (TRISC President)
ITNC Awards	TBA		Theresa Pasquitti (ITNC President)

1330-1430 Grab a coffee or tea while you visit with the Exhibitors or join in one of the live hosted Social Networking Lounges on a Topic of Interest to You

Virtual Exhibit Hall

1330-1430	Exhibit Hall Open	This is your last chance to speak live with one of our Exhibitors at their virtual booth	Virtual Exhibit Hall
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1330-1430	Lounge 1 Disaster Planning & Management	Lounge 2 Managing Trauma During a Pandemic	Lounge 3 Pediatrics
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	Hosted by Dr Mike Flesher. Discuss more on disaster planning and management with those who have lived it.	Hosted by Dr Matt Kaminsky from Cook County Trauma Unit and joined by others, to share their lived experience of caring for injured patients during COVID-19	Hosted by Dr Karen Bailey. This is a chance to join pediatric colleagues across the country to chat.
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1330-1430	Lounge 4 Injury Prevention	Lounge 5 Military	Lounge 6 Acute Care Surgery Forum	Lounge 7 Catch Up with A Colleague
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	Join TAC IP Co-Chairs Jennifer Britton & Joanne Sadler for an informal chat on IP at TAC	Host Lt Col Philip Dawe and others will talk about trauma surgery in a military setting	Host Dr Kelly Vogt continues the discussion on acute care surgery	Make your own plans to meet up in this lounge to catch up with a colleague and friend.
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Friday Evening

Closing Plenary Session

Time	Title of Talk	Speaker	Type of Presentation
1900-2000	Mental Strategies to Optimize Human Performance in High Pressure Environments: The Jasper Icefields Mass Casualty Incident	Dr Jamin Mulvey	Pre-recorded with live moderated Q & A following release of talk at 1900

2000-2030 Closing of Conference

	Invitation to TAC 2022 in Montreal	Dr Razek	Live via Zoom
	Closing & Final Goodbyes Social Event Have time to stay on the Zoom line? Join the Board and delegates to enjoy a live chat with colleagues with a “refreshment” of your choice!	Dr David Evans Micheline Wiebe	

Welcome Reception & Social Event

Please join us on Wednesday evening at 2000 EDT for a live Social Event and Gathering

Live via Zoom

TAC Trauma 2021: Annual Scientific Meeting & Conference DELEGATE FEE STRUCTURE

TAC uses an on-line registration module that will collect your registration information, provide payment options, and issue you a receipt once payment is completed. This year a TAC registration is included as part of the non-TAC member rate. Two receipts are issued: one for your new membership and one for the conference registration. If you wish to have only one receipt, please contact the TAC office at exec.director@traumacanada.org

To register go to: <https://www.xcdsystem.com/trauma/attendee/index.cfm?ID=3ugvRqj>

Please note, for those who still wish to submit a manual cheque for payment there is an option that allows you to register on-line and then choose "payment by cheque." You can then mail the cheque payment directly to the TAC office at: TAC c/o PO Box 8862, Halifax, NS, B3K 5M5

Once the cheque is received your registration will be completed and you will receive a notification and a receipt. If you require additional assistance please do not hesitate to contact Kate Mahon, TAC Executive Director, toll free (in North America) at 1-855-403-5463.

TAC 2021 TAC Delegate Fees (taxable for Canadian Residents)

Category	Member Rate	**Non-Member Rate	***Group Rates (up to 50 registrations) (No tax)	****Low/Middle Income Country Rates
MDs, Fellow, PhDs	\$300	\$500 (includes TAC Membership)	Not available	No charge
Trainees-Medical/Surgical Residents	\$150	\$200 (includes TAC Membership)	\$3000	No charge
Nurses, Allied Health, Paramedics, Physician Assistants, Health Information Specialists etc	\$100	\$225 (includes TAC Membership)	\$2000	No charge
Students-includes Medical students; *Other students (see definition below)	\$10	\$60 (includes TAC Membership)	Not available	No charge
ITNC & TRISC Education Event	Free	\$25 (does <u>not</u> include TAC membership)	Not available	Not available

*** Other Students” Definition:** A student is anyone enrolled full time in an accredited professional nursing, allied health, paramedic, AA, or other health related program, (ie an undergrad), who is not licensed to practice in their profession or if they are licensed to practice is not working in their area of practice. Fellows must register in the “Fellow” category. Residents/Trainees register in the “Resident” category.

**** Non-Member Rates-** The non-member rate will include a TAC membership which is taxable (except for the ITNC/TRISC event). Two receipts are issued. If you require only 1 receipt email exec.director@traumacanada.org

*****Group Rates:** A “group” is a maximum of 50 people in the same category above, (either member or non-members) who are registered from a designated Organization, Hospital or Program who make one (1) group payment. The group “leader” will manage their group by providing an excel spreadsheet (downloaded from the registration site) with each of the 50 registrants’ names and emails. Once completed it will be emailed back to the conference organizer.

******Low/Middle Income Country Rates:** An individual who registers from a mailing address within the countries designated by the 2021 *World Bank List of Economies* as “low income/lower middle income/upper middle income” country list will not be charged a registration fee.

Registration Cancellation and Refund Policy for TAC 2021

Cancellations for the virtual conference dates of April 12-16, 2021 received (by email or telephone conversation to the Executive Director) by March 30, 2021 will be refunded in full less a small administration fee (to recover costs associated with processing the registration and then cancellation). No refunds will be issued for cancellations received after this date; however, substitution of another registrant is permitted up to and including the first day of the conference for a \$25 administration fee. Any additional credit card fees TAC may incur for refunds issued will be in addition to the \$25 administration fee

Thank you!

TAC President Dr Tarek Razek, along with the Board of Directors, Scientific Program Chair Dr Paul Engels, as well as TAC2021 Conference Co-Chairs, Dr David Evans & Micheline Wiebe, wish to sincerely thank you for your participation and attendance at the TAC2021 Annual Scientific Meeting and Conference. Together we are working to *“flatten the curve on traumatic injury”* to achieve the TAC vision to *“improve the lives of all those affected by, or at risk of traumatic injury.”*

Next Year’s Conference

We really hope that we will all be able to travel in 2022. The plan is to have an in-person conference once again in Montreal in the Spring (April or May), hosted jointly with the the Australasian Trauma Society. Of course if we cannot, we will be virtual once more. We will keep you updated when we know more.

ABSTRACT SUBMISSION DEADLINE FOR TAC2022 IS NOVEMBER 1, 2021