UNIVERSITY OF TORONTO | Interdepartmental Division of Critical Care Medicine

ART SLUTSKY ACADEMIC DAY

Critical Illness Across the Lifespan

Tuesday, 23 June 2026

The Vivian and David Campbell Conference Facility
Munk School of Global Affairs and Public Policy
1 Devonshire Place

07:30-08:30 Registration and Breakfast

08:30-08:35 **Welcome and Introductory Remarks** & **Land Acknowledgement** - Rob Fowler

08:35-08:40 **Dean's Welcome** - Lisa Robinson, Dean, Faculty of Medicine, University of Toronto

08:40-09:20 **Oral Presentations I:**
Abstract Presentations
Chairs: Mike Sklar, Steven Schwartz

1. Association between severe maternal injury and risk of injury in children: a population-based matched cohort study - Sina Hadipour-Lakmehsari
2. Asymmetrical High-Flow Oxygen vs Non-invasive Ventilation in Acute Hypercapnic Respiratory Failure – the HIFOLD2 study - Nattapat Wongtirawit
3. Acute kidney injury and longitudinal creatinine trajectories across staged single ventricle palliation - Faizeen Zafar
4. PEEP guided by EIT minimizes collapse and overdistension and is associated with improved oxygenation in ARDS - Glasiele Alcala

09:20-0950 **ECLS in Adults and Children**
Chair: Laura Dragoi, Brian Cuthbertson
- History and Evolution of ECLS - Gail Annich
- ECLS in 2026 - Anne-Marie Guerguerian
- ECLS in 2030 - Eddy Fan

09:50-10:20 **Bridging Cardiac Care for Adults and Children**
Chairs: Roxanne Kirsh, Jane Heggie
- Common childhood cardiac conditions, treatments, and outcomes - Steven Schwartz
- Adulthood Challenges of Pediatric Cardiac Disease - Alice Grassi
- A Picture is worth 1000 words - Ghislaine Douflé

10:20-10:50 **Morning Refreshment Break**

10:50-11:20 **Long-term outcomes of Adults and Children**
Chair: Alyssa Louis, Chris Parshuram
- Prolonged mechanical ventilation in adults: the RECOVER Program at Toronto Grace Health Centre - Margaret Herridge
- Sick Kids Long-term Outcomes - Nicole McKinnon
- Long-term ventilation in children- Reshma Amin

11:20 -13:00 **Poster Viewing/Discussion and Lunch**

13:00-13:40 **Oral Presentations II**:
Abstract Presentations
Chair: Randy Wax, Laurent Brochard

5. Sweep Gas–Off Trial in Veno-arterial ECMO for Patients with Single-Ventricle Physiology Supported by a Systemic-to-Pulmonary Shunt - Atif Albishi
6. Seven versus fourteen days of antibiotic therapy in sepsis with bloodstream infection: A subgroup analysis of the BALANCE trial - Liran Shechtman
7. A non-invasive method for continuous monitoring of inspiratory effort during pressure support ventilation - Roberto Brito Alvarez

8. Non-invasive assessment of inspiratory effort predicts extubation failure across three spontaneous breathing trial modalities: a multicenter observational study -Catherine Bellissimo

13:40-14:20 **Art Slutsky Day Visiting Professor**
Chair: Neill Adhikari
- **The CCCTG, a Model for Critical Care Research Across the Lifespan** - Kusum Menon
- **Discussion**

14:20-14:40 **Afternoon Break**

14:40-15:10 **Little Brains become Big Brains**
Chairs: Nava Maham, Jeff Singh
- Neurological Injury in Kids - Nicole McKinnon
- Innovations in Neuro-ICU Care - Victoria McCredie
- Innovations in TBI care - François Mathieu

15:10-15:50 **Small and Big Research Challenges**
Chair: Martin Urner, Damon Scales
- Conducting Studies and Trials - Olugbenga Akinkugbe
- Outcome Measures - Sandy Pong
- "Next-generation" Research: Platform Trials - Ewan Goligher
- Getting our Data Together - Chris Yarnell

15:50-6:10 **Myth busters: Does Aged-based Care Really Matter?**
Chair: Natalie Wong, Niall Ferguson
- **"Top 5" things that Adult colleagues can learn from Sick Kids** - Elaine Gilfoyle
- **"Top 5" things that Pediatric colleagues can learn from Adult Experience** - Christie Lee

16:10-16:45 **Presentation of Certificates, Teaching Awards, Research Day Prizes**
Chairs: Briseida Mema, Jenna Spring

16:45-16:50 **Closing Remarks** - Rob Fowler

16:50-17:00 **IDCCM End-of-Year Group Photo**

E-Poster presentation schedule
Tuesday, 23 June 2026
11:30am - 12:40pm

Station 1: Clinical/Health Services Research (A)

11:30 - 11:40
Title: Early IABP use for LV unloading during VA-ECMO: a target trial emulation of the CSECLS registry
Presenter: Liangshan Wang

11:40 - 11:50
Title: Heart Rate Variability as an Objective Surrogate for Pain During Neuromuscular Electrical Stimulation: A Prospective, Within-Subject Experimental Study
Presenter: Pei Ye Li

11:50-12:00
Title: Exploring Creativity as a Source of Meaning and Renewal in Clinical Practice
Presenter: Martina Bacova

12:00-12:10
Title: Case-Mix, Resource Utilization and Risk-Adjusted Outcomes After Traumatic Brain Injury: A Registry Analysis at Two High-Volume Canadian Trauma Centres
Presenter: Aaron Yu

12:10-12:20
Title: An International Survey of Corticosteroid Use in Septic Shock
Presenter: Jasper Ho

12:20 - 12:30
Title: Flexible Bronchoscopy in PICU: A Retrospective Clinical and Quality Improvement Analysis
Presenter: Karthi Nallasamy

Station 2: Clinical/Health Services Research (B)

11:30 - 11:40
Title: Driving Pressure, Respiratory Rate, and Mortality in Acute Respiratory Failure: A Causal Mediation Analysis
Presenter: Saba Manzoor

11:40 - 11:50
Title: Adaptive Platform Trials Improve Contract Efficiency
Presenter: Cathy Chau

11:50-12:00
Title: Extended-spectrum antimicrobials are used more often than indicated and associated with an increased risk of Clostridioides difficile infection among patients with bacteremia: a secondary analysis of the BALANCE trial
Presenter: Rayoun Ramendra

12:00-12:10
Title: Resource Utilization Associated with the Provision of Discretionary Treatment in Critically Ill Children
Presenter: Gaya Plant

12:10-12:20
Title: From Last Resort to Standard of Care: The Evolution of Respiratory ECLS in Children as Reflected in the Different Editions of the ELSO Red Book
Presenter: Assaf Adar

12:20 - 12:30
Title: Quantitative Ultrasound Analysis of Diaphragm Microstructural Remodeling in Mechanically Ventilated Patients
Presenter: Anna Buk

12:30 - 12:40
Title: One-Year Multidimensional Outcomes in Lung Transplant Patients requiring 7 or more Days of Mechanical Ventilation
Presenter: Hannah Wozniak

Station 3: Physiology

11:30 - 11:40
Title: Neuromuscular Blockade for Intracranial Hypertension: Quantifying Real-World Effectiveness on Intracranial Pressure
Presenter: Noam Goder

11:40 - 11:50
Title: Inspiratory Effort Estimated by Airway Occlusion Pressure in the presence of Intrinsic Positive End-Expiratory Pressure
Presenter: Ran Gao

11:50-12:00
Title: A Case Report of Salbutamol-induced Bronchoconstriction in Status Asthmaticus: the Interest of Monitoring Resistive Pressure
Presenter: Michael Pratte

12:00-12:10
Title: How Does Ventilation Distribution Change Across PEEP Levels?
Presenter: Marcela Amaral

12:10-12:20
Title: Pendelluft dynamics during the spontaneous breathing trial and their association with liberation from mechanical ventilation
Presenter: Roberto Brito

12:20 - 12:30
Title: Dynamic and static measurements of lung stress during assisted mechanical ventilation in patients with acute hypoxemic respiratory failure: a multi-center validation study
Presenter: Glauco Plens

Station 4. Basic or Translational Science & Quality

11:30 - 11:40
Title: Effects of Anesthetic Agents and Paralysis on End-Expiratory Gas Lung Volume: a crossover porcine study under mechanical ventilation - the PARASED-LUNG study
Presenter: Davide Raimondi Cominesi

11:40 - 11:50
Title: The readability of informed consent forms in randomized clinical trials conducted by the Canadian Critical Care Trials Group
Presenter: Shayan Heybati

11:50-12:00
Title: Individual-lung positive end-expiratory pressure in a large animal model of asymmetrical lung injury: preliminary results
Presenter: Eva von Friedl

12:00-12:10
Title: Respiratory effort and clinical outcomes in lung transplant recipients requiring prolonged mechanical ventilation
Presenter: Bryan Kozdas

12:10-12:20
Title: Novel Quantitative Lung Ultrasound Biomarkers Reflect Physiological Measures of Lung Injury Severity: The PULSAR Study
Presenter: Annia Schreiber

12:20 - 12:30
Title: Extracellular vesicles derived from clonally-expanded immortalized mesenchymal stromal cells reduce peripheral and neuroinflammation in pre-clinical sepsis

Presenter: Maria Carolina Barbosa-Silva

Station 5. Systematic Reviews/Case Report/Series/Educational Research (A)

11:30 - 11:40
Title: Feasibility and Clinical Utility of Quantitative Electroencephalography(qEEG) in Pediatric Intensive Care: A Scoping Review
Presenter: Munirah Alyaseen

11:40 - 11:50
Title: Inotropic support in adults with septic shock: A systematic review and network meta-analysis
Presenter: Aadil Bharwani

11:50-12:00
Title: Infusing Humanity into Critical Care Practice
Presenter: Ashleigh Abbott

12:00-12:10
Title: Vasopressin and Analogues in Vasodilatory Shock: A Systematic Review and Meta-Analysis of Randomized Trials
Presenter: Liran Shechtman

12:10-12:20
Title: Development and Validation of a Low-Cost DIY Model for Ultrasound-Guided Chest Tube Insertion
Presenter: Amani Assaad

12:20 - 12:30
Title: Presumed Transdermal Superwarfarin Toxicity in a Pest Control Worker
Presenter: Liran Shechtman

Station 6. Systematic Reviews/Case Report/Series/Educational Research (B)

11:30 - 11:40
Title: Minimizing non-essential time on veno-venous extracorporeal membrane oxygenation: a quality improvement project
Presenter: Timothy Weir

11:40 - 11:50
Title: Defying the Odds: A Perimortem Caesarean Delivery with a happy ending in a resource limited setting
Presenter: Lorraine Baffour-Awuah

11:50-12:00
Title: Neuro-critical Pediatric Transport: A Case Series
Presenter: Ankit Jain

12:00-12:10
Title: Critical Care Transport and Palliative Care: A Case Series
Presenter: Nicole Dahl

12:10-12:20
Title: Risk Stratification and Thromboprophylaxis in Hospitalized Children: A PRISMA-ScR Scoping Review
Presenter: Stefano Scollo

12:20 - 12:30
Title: The role of advanced monitoring technologies to guide mechanical ventilation in paediatric cardiac critical care, a scoping review.
Presenter: Lunga Mfingwana