Monday, October 2, 2017 (12:30-13:30)

STATION 1 – Pumps and Pipes

12:33 – 12:40 pm
ePoster#1: Systematic Review and metaanalysis on the use of imaging for neuroprognostication in patients after cardiac arrest
Presenter: Carmen Lopez Soto

12:41 – 12:48 pm
ePoster#2: Mortality and Functional Outcomes after Prolonged ICU Stay in Cardiac Surgical Patients: A Systematic Review
Presenter: Vatsal Trivedi

12:49 – 12:56 pm
ePoster#3: Microbiology of post-operative pulmonary infections after thoracoabdominal aortic aneurysm repair.
Presenter: Ian Randall

12:57 – 1:04 pm
ePoster#4: Perioperative Management of a case of Thoracoabdominal Aortic Aneurysm.
Presenter: Saima Rashid

1:05 – 1:12 pm
ePoster#5: Analysis of Bystander CPR Quality During Out-of-Hospital Cardiac Arrest Using Data Derived from Automated External Defibrillators
Presenter: Shannon Fernando
Monday, October 2, 2017 (12:30-13:30)

STATION 2 – Lungs Under Attack

12:41 – 12:48 pm
ePoster#6: Do patients with unilateral opacities have a similar outcome than patients with ARDS? An ancillary analysis of the lung safe study
**Presenter:** Tài Pham

12:49 – 12:56 pm
ePoster#7: Efficacy And Safety Of Acetazolamide for Hypercapnic Respiratory Failure Associated with Metabolic Alkalosis In Patients with Chronic Obstructive Pulmonary Disease: A Meta-Analysis of Randomized Controlled Trials
**Presenter:** Carla Emille D. Barbon

12:57 – 1:04 pm
ePoster #8: Use of inhaled antibiotics as a preventive measure for respiratory tract infections in pediatric patients with a tracheostomy: A retrospective descriptive study
**Presenter:** Camille Jutras

1:05 – 1:12 pm
ePoster #9: Impact of *Streptococcus pneumoniae* colonization in Viral Bronchiolitis
**Presenter:** Kira Genise

1:13 – 1:20
ePoster#10: Comparison Between Dexmedetomidine, Midazolam and Propofol For Sedation in Mechanically Ventilated Intensive Care Patients
**Presenter:** Poupak Rahimzadeh

1:21 – 1:28
ePoster#11: Comparing the effect of continuous and intermittent feeding on the Ventilator-Associated Pneumonia in Intensive Care Unit Patients
**Presenter:** Seyed Hamid Reza Faiz
Monday, October 2, 2017 (12:30-13:30)

STATION 3 – Education and Communication

12:33 – 12:40 pm
ePoster#12: Ascertaining the Learning Needs of the Multi-professional Members of the Canadian Critical Care Trials Group: A Multimodal Survey
Presenter: Christine Wardell

12:41 – 12:48 pm
ePoster#13: Developing a Longitudinal Post-Critical Care Ultrasound (CCUS) Course Curriculum: Identifying Barriers and Determining Interest
Presenter: Atul Jaidka

12:49 – 12:56 pm
ePoster#14: Can critical care providers be trained to reliably detect seizures using quantitative electroencephalography in the intensive care unit?
Presenter: Saptharishi Lalgudi Ganesan

12:57 – 1:04 pm
ePoster#15: The Footprints Project: Individualizing Care and Influencing Clinicians in the ICU
Presenter: Marilyn Swinton

1:05 – 1:12 pm
ePoster#16: Improving Team Communication during intubation in the Critical Care Unit
Presenter: Carmen Lopez Soto
**Monday, October 2, 2017 (12:30-13:30)**

**STATION 4 – Quality 1, From Good to Great**

12:33 – 12:40 pm  
ePoster#17: Monitoring Intensive Care Unit Performance: Impact of a Novel Individualized Performance Scorecard in Critical Care Medicine – A Mixed-Methods Study Protocol  
**Presenter:** Shannon Fernando

12:41 – 12:48 pm  
ePoster#18: Improving Quality and Safety in the ICU through the Introduction of A Procedural Checklist and Pause  
**Presenter:** Vasuki Paramalingam

12:49 – 12:56 pm  
ePoster#19: Patient, Family and Physician Satisfaction with Discharges Directly Home from Intensive Care Units – Direct from ICU Sent Home (DISH Study)  
**Presenter:** Joyce Lam

12:57 – 1:04 pm  
ePoster#20: Using Checklists and Bundles to Reduce Adverse Events Surrounding Endotracheal Intubation: A Systematic Review  
**Presenter:** Daniel Soliman

1:05 – 1:12 pm  
ePoster#21: Improving Hand Hygiene Compliance Through a Cultural Intervention in the Cardiovascular Intensive Care Unit (CVICU)  
**Presenter:** Mary Mustard

1:13 – 1:20 pm  
ePoster#22: Evaluation of Embedded Ethicist Model in Critical Care  
**Presenter:** Eoin Connolly
Monday, October 2, 2017 (12:30-13:30)

STATION 5 – Pediatric Critical Care

12:33 – 12:40 pm
ePoster#23: Incidence of over-sedation, under-sedation and pain in prolonged ventilated patients in Pediatric critical care
Presenter: Tatiana Sampaio

12:41 – 12:48 pm
ePoster#24: Hyperchloremia in Critically ill Pediatric Patients, the HyCCiP Study
Presenters: Adrian Bulfon, Sorina Stef

12:49 – 12:56 pm
ePoster#25: The effect of patient geography on hospital length of stay in critically ill pediatric patients.
Presenter: Megan Sample

12:57 – 1:04 pm
ePoster#26: Epidemiology of Pediatric Critical Care Transport in Northern Alberta and Western Arctic
Presenter: Atsushi Kawaguchi

1:05 – 1:12 pm
ePoster#27: Early identification of children with type 1 diabetes mellitus presenting to hospital with diabetic ketoacidosis: a pilot study
Presenter: Jennifer Klowak

1:13 – 1:20 pm
ePoster#28: Optimizing Resuscitation Care for Children with Sepsis: a Methods-Focused Pilot Study
Presenter: Melissa Parker

1:21 – 1:28 pm
ePoster#29: IV maintenance fluids at McMaster Children's Hospital: A survey of physicians
Presenter: Shaikha Almehrezi
Monday, October 2, 2017 (12:30-13:30)

STATION 6 – Supportive and End-of-Life Care in the ICU

12:33 – 12:40 pm
ePoster#30: Evolution and Expansion of Wishes in the 3 Wishes Program
Presenter: Benjamin Tam

12:41 – 12:48 pm
ePoster#31: Regulatory Barriers to Research in Deceased Organ Donor Care
Presenter: Frederick D'Aragon

12:49 – 12:56 pm
ePoster#32: Do Not Resuscitate Status in Critically-Ill HIV Patients
Presenter: Anne Gregory

12:57 – 1:04 pm
ePoster#33: Characteristics and Outcomes of cancer patients admitted to ICU
Presenter: Ghiath Al Saied

1:05 – 1:12 pm
ePoster#34: Variation in Ethics Approval and Contract Execution Processes and Regulatory Timelines in an International Observational Study of Mechanical Ventilation Discontinuation
Presenter: Leena Rizvi

1:13 – 1:20 pm
ePoster#35: ICU delirium, clinical outcomes and cost: systematic review &meta-analysis
Presenter: Brent Herritt

1:21 - 1:28 pm
ePoster#36: Survey on Barriers to Critical Care and Palliative Care Integration
Presenter: Kwadwo Kyeremanteng
Monday, October 2, 2017 (12:30-13:30)

STATION 7 – Health Systems and Health Outcomes

12:33 – 12:40 pm
ePoster#37: Is the “July effect” real and does and does it impact the safety of hospitalized patients? – Incidence of code blue events and critical care response team activations at the beginning versus the end of the academic year
**Presenter:** Jenna Spring

12:41 – 12:48 pm
ePoster#38: Characteristics, Outcomes, and Cost Patterns of High-cost Patients in the Intensive Care Unit
**Presenter:** Kwadwo Kyeremanteng

12:49 – 12:56 pm
ePoster#39: Frail patients admitted to ICU and the utilization of healthcare resources: a systematic review and meta-analysis reporting on secondary outcomes.
**Presenter:** Braden Waters

12:57 – 1:04 pm
ePoster#40: Epidemiology of unexpected intensive care unit (ICU) admissions from the hospital ward: A multi-centre retrospective study
**Presenter:** Benjamin Tam

1:05 – 1:12 pm
ePoster#41: A Systematic Review Of Non-Mortality Tools Used To Report Long-Term Outcomes In Chronically Critically Ill Patients.
**Presenter:** Sharmistha Biswas

1:13 – 1:20 pm
ePoster#42: Factors Associated With Physicians’ Predictions Of Long-Term Mortality Of Critically Ill Patients
**Presenter:** Bruno Ferreyro
**Tuesday, October 3, 2017 (12:45-13:30)**

**STATION 1 – Quality 2, from Better to Best**

12:45 – 12:52 pm  
**ePoster#43:** An Audit on Pain, Agitation and Delirium Management in a Community Intensive Care Unit  
**Presenter:** Franziska Miller

12:53 – 1:00 pm  
**ePoster#44:** A Survey of Pain, Agitation and Delirium Management by Nurses in a Community Intensive Care Unit  
**Presenter:** Carl Marshall

1:01 – 1:08 pm  
**ePoster#45:** A Qualitative Study of Nurses’ Practice, Professional Preferences and Improvement Strategies on Pain, Agitation and Delirium Management in a Community ICU  
**Presenter:** Priscilla Yung

1:09 – 1:16 pm  
**ePoster#46:** When the Code Blue is Real: Outcomes and Characteristics of Non-ICU Cardiac Arrests Attended by a Critical Care Response Team (CCRT)  
**Presenter:** Chavisa Rassameehirun

1:17 – 1:24 pm  
**ePoster#47:** Code Medical Emergencies In Oncological Patients  
**Presenter:** Florence Morriello

1:25 – 1:32 pm  
**ePoster#48:** Implementation of an Interprofessional Early Mobility Protocol in Multiple ICUs in an Academic Health Sciences Centre.  
**Presenter:** Melissa Guiyab
Tuesday, October 3, 2017 (12:45-13:30)

STATION 2 – Lungs: Ventilation

12:45 – 12:52 pm
ePoster#49 Evidence Supporting the Clinical Uses of Proportional Assist Ventilation: A Systematic Review and Meta-Analysis
Presenter: Bharath Vijayaraghavan

12:53 – 1:00 pm
ePoster#50: Pressure-targeted modes of ventilation and acute respiratory distress syndrome are associated with higher above-target tidal volumes
Presenter: Yasin Khan

1:01 – 1:08 pm
ePoster#51: Cost analysis of early vs late tracheostomy in intensive care settings
Presenter: Brent Herritt

1:09 – 1:16 pm
ePoster#52: Effects of Fiberoptic Bronchoscopy on Mechanical Ventilation Pressures in ICU Patients.
Presenter: François Lemay

1:17 -1:24 pm
ePoster#53: The impact of high flow nasal oxygen in the immunocompromised critically ill: A systematic review and meta-analysis
Presenter: Alaa Mohamed
Tuesday, October 3, 2017 (12:45-13:30)

STATION 3 – Trauma Critical Care

12:45 – 12:52 pm
ePoster#54: Effect of age of transfused red blood cells on neurological outcome in critically ill patients with traumatic brain injury (ABLE-tbi Study)
**Presenter:** Jessica Ruel-Laliberté

12:53 – 1:00 pm
ePoster#55: Severe Traumatic Brain Injury at The Ottawa Hospital: A 2-Year Cohort Describing Epidemiology, Presentation, Management and Outcome
**Presenter:** Alexandre Tran

1:01 – 1:08 pm
ePoster#56: A Systematic Review and Meta-Analysis of Permissive Hypotension vs. Conventional Resuscitation in Adult Trauma Patients with Hemorrhagic Injury
**Presenter:** Alexandre Tran, Aaron Lau

1:09 – 1:16 pm
ePoster#57: The effect of cerebral perfusion pressure guided therapy on acute respiratory distress syndrome in traumatic brain injury
**Presenter:** Sonny Thiara

1:17 – 1:24 pm
ePoster#58: Reverse takotsubo cardiomyopathy may be a bad prognostication sign following traumatic brain injury
**Presenter:** Fahad Faqihi
Tuesday, October 3, 2017 (12:45-13:30)

STATION 4 – Moms in Trouble

12:45 – 12:52 pm
ePoster# 59: Risk Prediction Models for Maternal Mortality: A Systematic Review and Meta-analysis
Presenter: Kazuyoshi Aoyama

12:53 – 1:00 pm
ePoster#60: Mechanical ventilation in critically ill pregnant women: a systematic review.
Presenter: Sally Twin

1:01 – 1:08 pm
ePoster#61: Transfusion management of obstetric patients with massive haemorrhage
Presenter: Arabesque Parker
Tuesday, October 3, 2017 (12:45-13:30)

STATION 5 – Rehabilitation & Recovery

12:45 – 12:52 pm
ePoster#62: Barriers to rehabilitation after critical illness: a view from the wards
Presenter: Sumeet Rai

12:53 – 1:00 pm
ePoster#63: ICU Discharge Function Predicts Poor Hospital Discharge Outcomes: Lessons from the CYCLE Research Program
Presenter: Michelle Kho

1:01 – 1:08 pm
ePoster#64: CYCLE Pilot: Prologue to a multi-centre RCT of early in-bed cycling in the ICU
Presenter: Laura Childerhose

1:09 – 1:16 pm
ePoster#65: A Model For Assessing Impact Of Graded Passive Exercise On Global Hemodynamics, Brain And Heart Perfusion In Septic Patients: Feasibility And Safety
Presenter: Jennifer Chen

1:17 – 1:24 pm
ePoster#66: Frailty in Critical Care: Patient Mobility as a Clinical Predictor
Presenter: Steve Walsh
Tuesday, October 3, 2017 (12:45-13:30)

STATION 6 – Therapeutics for the Critically Ill

12:45 – 12:52 pm  
ePoster#67: Barriers and Facilitators to Intensivists’ Adherence to Hyperinsulinemia-Euglycaemia Therapy in the Treatment of Calcium Channel Blockers Poisoning  
**Presenter:** Eric Brassard

12:53 – 1:00 pm  
ePoster#68: Does dexmedetomidine (vs. propofol) improve outcomes in adult after cardiac surgery?  
**Presenter:** Ayed Asiri

1:01 – 1:08 pm  
ePoster#69: Clonidine for Sedation in Critically Ill Adults: A Retrospective Chart Review  
**Presenter:** Elsa Purivatra

1:09 – 1:16 pm  
ePoster#70: Pharmacists’ Role in Critical Care: Environmental scan of current practices in Canada  
**Presenter:** Jonathan Mailman

1:17 – 1:24 pm  
ePoster#71: Outcomes and Cost Analysis of Patients Admitted to the Intensive Care Unit due to Accidental or Intentional Acute Poisoning  
**Presenter:** Shannon Fernando

1:25 – 1:32  
ePoster#72: Safety of Cell Therapy with Mesenchymal Stromal Cells: An Updated Systematic Review and Meta-Analysis of Randomized Controlled Trials (SafeCell Update)  
**Presenter:** Mary Thompson
Tuesday, October 3, 2017 (12:45-13:30)

STATION 7 – Infection

12:45 – 12:52 pm
ePoster#73: Predictors of Clostridium difficile Infection and Mortality in Adult Patients in the Intensive Care Unit
Presenter: Bijan Teja

1:53 – 1:00 pm
ePoster#74: Utility of Clostridium difficile severity criteria in the ICU: a multicentre retrospective cohort study
Presenter: Adam Mazzetti

1:01 – 1:08 pm
ePoster 75: Antimicrobial Resistance And Associated Intervention In Low- And Middle-Income Country Intensive Care Units: Scoping Review.
Presenter: Anna Geagea

1:09 – 1:16 pm
ePoster 76: Clinical outcome, microbiological spectrum and antibiotic susceptibility of clinical isolates from adult intensive care unit in a tertiary care hospital in India
Presenter: Arijit Sardar
Wednesday, October 4, 2017 (12:30-13:30)

STATION 1 – Kidneys and Fluids

12:33 – 12:40 pm  
**ePoster#77: Bioimpedance Measured Volume Overload Predicts Adverse Outcomes in ICU Patients**  
**Presenter:** Douglas Slobod

12:41 – 12:48 pm  
**ePoster#78: Continuous Renal Replacement Therapy Is Associated With Acute Myocardial Injury In Critically Ill Patients.**  
**Presenter:** Marat Slessarev

12:49 – 12:56 pm  
**ePoster#79: Predictive value of myoglobin and creatine phosphokinase for development of acute kidney injury in traumatic rhabdomyolysis**  
**Presenter:** Subramani Kandasamy

12:57 – 1:04 pm  
**ePoster#80: Predictors of in-hospital mortality and dialysis dependence among critically ill patients with acute kidney injury treated with renal replacement therapy**  
**Presenter:** Daniel Li

1:05 – 1:12 pm  
**ePoster#81: What are the outcomes of ICU patients with AcuTe kidnEy injury requiring Renal replacement therapy? (WATER)**  
**Presenter:** Sumeet Rai

1:13 – 1:20 pm  
**ePoster#82: Improving the prescribing of IV Fluids**  
**Presenter:** Abdul-Rahman Gomaa
Wednesday, October 4, 2017 (12:30-13:30)

STATION 2 – Pulmonary Physiology

12:33 – 12:40 pm
ePoster#83: Pleural Drainage Enhances Diaphragmatic Pressure Generation in Mechanically Ventilated Patients
Presenter: William McClelland

12:41 – 12:48 pm
ePoster#84: The Evolution of Diaphragm Echodensity During the Early Course of Mechanical Ventilation Differs According to the Eventual Duration of Ventilation
Presenter: Stephen Riegler

12:49 – 12:56 pm
ePoster#85: A descriptive analysis of deferred consent in a study of diaphragm activity in mechanically ventilated patients in the intensive care unit (ICU)
Presenter: Gyan Sandhu

12:57 – 1:04 pm
ePoster#86: Respiratory Variation of Inferior Vena Cava Diameter in Mechanically Ventilated Patients with Spontaneous Breathing Effort: An Observational Study.
Presenter: Constantin Shuster

1:05 – 1:12 pm
ePoster#87: Non-Invasive Administration of Inhaled Nitric Oxide in Critically Ill Adults and its Effects on Right Ventricular Function - a Cohort Study.
Presenter: Jan-Alexis Tremblay

1:13- 1:20 pm
ePoster#88: A randomized cross-over physiological study of high flow nasal oxygen cannula versus non-invasive ventilation in adult patients with cystic fibrosis: The HIFEN Study
Presenter: Michael Sklar
Wednesday, October 4, 2017 (12:30-13:30)

STATION 3 – Basic and Translational Science

12:33 – 12:40 pm
ePoster#89: Serial Assessment of Systemic Levels of Proinflammatory Cytokines in Septic Shock Patients Treated with Allogeneic Mesenchymal Stem Cells
Presenter: Shirley Mei

12:41 – 12:48 pm
ePoster#90: Predicting in-hospital mortality in pneumonia-associated septic shock patients using Classification and Regression Tree (CART) methodology.
Presenter: Constantine Karvellas

12:49 – 12:56 pm
ePoster#91: IL-10 Overexpressing Human Umbilical Cord Mesenchymal Stromal/Stem Cells (IL-10 Uc-Mscs) Improve Recovery And Reduce Bacterial Burden In Rodent E. Coli Pneumonia More Effectively Than Regular Uc-Mscs
Presenter: Mirjana Jerkic

12:57 – 1:04 pm
ePoster#92: Cellular Immunotherapy for Septic Shock (CISS): A Phase I trial
Presenter: Lauralyn McIntyre
Wednesday, October 4, 2017 (12:30-13:30)

STATION 4 – Neurocritical Care

12:33 – 12:40 pm
ePoster#93: Predictors of Mortality among Head Trauma patients Reaching the ICU Alive
Presenter: Mongy Beniameen

12:41 – 12:48 pm
ePoster#94: Temporal Changes In Dynamic Cerebral Autoregulation Of Critically Ill Patients
Presenter: Hillary Reberning

12:49 – 12:56 pm
ePoster#95: The Use of Standardized Management Protocols for Critically Ill Patients with Non-traumatic Subarachnoid Hemorrhage: A Systematic Review
Presenter: Shaurya Taran

12:57 – 1:04 pm
Presenter: Sabhyata Malik

1:05 – 1:12 pm
ePoster#97: Risk factors for sleep disruption in critically ill patients: A systematic review of the literature
Presenter: Kimia Honarmand

1:13 – 1:20 pm
ePoster#98: The Prognostic Value of Chart Review-Based Clinical Frailty Scale Scores in the Intensive Care Unit
Presenter: Alyson Takaoka
Wednesday, October 4, 2017 (12:30-13:30)

STATION 5 – The Guts

12:33 – 12:40 pm
ePoster#99: Stress ulcer prophylaxis in critically ill children: A multicentre observational study of practice patterns
Presenter: Mark Duffett

12:41 – 12:48 pm
ePoster#100: The impact of delayed source control and antimicrobial therapy in 196 patients with cholecystitis-associated septic shock
Presenter: Victor Dong

12:49 – 12:56 pm
ePoster#101: Significant lung injury and its prognostic significance in acute liver failure
Presenter: Ken Sun

12:57 – 1:04 pm
ePoster#102: Prophylactic endotracheal intubation in the critically ill patients with upper gastrointestinal bleed: A systematic review and meta-analysis
Presenter: Dipayan Chaudhuri

1:05 – 1:12 pm
ePoster#103: Colour Stability Testing for Pantoprazole Formulations: Can Blinding be Maintained in a Randomized Trial?
Presenter: Nicole Zytaruk

1:13 – 1:20 pm
ePoster#104: Characteristics, Outcomes and Cost Patterns of Patients with Liver Disease Admitted to the Intensive Care Unit
Presenter: Shannon Fernando
**Wednesday, October 4, 2017 (12:30-13:30)**

**STATION 6 – Cool Tools and Fascinomas**

12:33 – 12:40 pm  
ePoster#105: Giant cell myocarditis in a patient presenting with pulmonary embolism and biventricular failure: a case report  
**Presenter:** Joris Wouters

12:41 – 12:48 pm  
ePoster#106: Effect of the Sherlock 3CG Tip Positioning System on Power Peripherally Inserted Central Catheters (PICCs) position in critical care patients  
**Presenter:** Nasir Nasim

12:49 – 12:56 pm  
ePoster#107: A case of pheochromocytoma and the clinical biases which contributed to misdiagnosis  
**Presenter:** Lyndsay Sprigg

12:57 – 1:04 pm  
ePoster#108: Atrial fibrillation in cardiothoracic critically ill patients  
**Presenter:** Aswin Babu

1:05 – 1:12 PM  
ePoster#109: New Optic Nerve Sonography Quality Criteria In The Diagnostic Evaluation Of Traumatic Brain Injury  
**Presenter:** Fahad Faqihi
Wednesday, October 4, 2017 (12:30-13:30)

STATION 7 – Sepsis

12:33 – 12:40 pm
eposter#110: Initial Serum Lactate Predicts Subsequent Deterioration in Emergency Department Patients with Sepsis
Presenter: Shannon Fernando

12:41 – 12:48 pm
ePoster#111: Outcomes and Cost Analysis of Patients with Sepsis Transferred to a Tertiary Care Intensive Care Unit
Presenter: Shannon Fernando

12:49 – 12:56 pm
ePoster#112: Emergency Department Nurses’ Knowledge and Experience with the New Sepsis-3 Criteria: A Survey
Presenter: Emina Topcagic

12:57 – 1:04 pm
ePoster#113: The epidemiology of infections and sepsis in the prehospital setting
Presenter: Dan Lane

1:05 – 1:12 pm
ePoster#114: Early evidence of sepsis-associated hyperperfusion – A study of cerebral blood flow measured with magnetic resonance imaging arterial spin labeling in critically-ill septic patients and healthy volunteers
Presenter: Steven Palanchuck

1:13- 1:20 pm
ePoster#115: Detecting Extravascular Lung Water in Septic Critical Care Patients: Lung Ultrasound versus Transpulmonary Thermodilution
Presenter: Nasir Nasim