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Plenary Oral Presentations

PL01: Creation of a risk scoring system for emergency department patients with acute heart failure
Abstract Link
I. Stiell, MD, MSc, J. Perry, MD, MSc, C. Clement, S. Sibley, MD, A. McRae, MD, B. Rowe, MD, B. Borgundvaag, MD, S. McLeod, MSc, L. Mielniczuk, MD, J. Dreyer, MD, J. Yan, BSc, MD, MSc, E. Brown, BSc, J. Brinkhurst, BA, M. Nemnom, MSc, M. Taljaard, PhD, University of Ottawa, Department of Emergency Medicine, Ottawa, ON 

Keywords: heart failure, risk scale, safety

**Oral Presentations**

LO03: Prospective comparative evaluation of the ESC 1-hour and a 2-hour rapid diagnostic algorithm for myocardial infarction using high-sensitivity troponin-T

[Abstract Link](#)

J. Andruchow, MD CM, MSc, T. Boyne, MD, MSc, I. Seiden-Long, PhD, D. Wang, MSc, S. Vatanpour, PhD, G. Innes, MD, MSc, A. McRae, MD, PhD, University of Calgary, Calgary, AB

Keywords: high-sensitivity troponin, myocardial infarction, rapid diagnostic algorithms

LO06: Development of practice recommendations for ED management of syncope by mixed Methods

[Abstract Link](#)

V. Thiruganasamandamoorthy, MSc, M. Taljaard, PhD, N. Hudek, PhD, J. Brehaut, PhD, B. Ghaedi, MSc, P. Nguyen, BSc, M. Sivilotti, MD, MSc, A. McRae, MD, PhD, J. Yan, MD, MSc, R. Ohle, MD, C. Fabian, MD, N. Le Sage, MD, PhD, E. Mercier, MD, MSc, M. Hegdekar, MD, P. Huang, MD, M. Nemnom, MSc, A. Krahn, MD, P. Archambault, MD, J. Presseau, PhD, I. Graham, PhD, B. Rowe, MD, MSc, University of Ottawa, Department of Emergency Medicine, Ottawa, ON

Keywords: practice recommendation, risk-stratification, syncope

LO07: Procainamide for the acute management of atrial fibrillation and flutter in the emergency department: a systematic review
Abstract Link

F. Tran, BN, D. Junqueira, MSc, PhD, PharmD, M. Tan, MSc, BScOT, MSc, MLIS, B. Rowe, MD, MSc, University of Alberta, Edmonton, AB
Keywords: atrial fibrillation, cardioversion, procainamide

LO09: Role of hospitalization for detection of serious adverse events among emergency department patients with syncope: a propensity-score matched analysis of a multicenter prospective cohort

Abstract Link

R. Krishnan, MSc, M. Mukarram, MPH, MBBS, B. Ghaedi, MSc, M. Sivilotti, MD, MSc, N. Le Sage, MD, PhD, J. Yan, MD, MSc, P. Huang, MD, M. Hegdekar, MD, E. Mercier, MD, MSc, M. Nemnom, MSc, L. Calder, MD, MSc, A. McRae, MD, PhD, B. Rowe, MD, MSc, G. Wells, PhD, V. Thiruganasambandamoorthy, MSc, MBBS, Ottawa Hospital Research Institute, Ottawa, ON
Keywords: Canadian Syncope Risk Score, hospitalization, syncope

LO10: Low high-sensitivity troponin concentrations identify low-risk chest pain patients unlikely to benefit from further risk stratification

Abstract Link

J. Andruchow, MD CM, MSc, T. Boyne, MD, MSc, G. Innes, MD, MSc, S. Vatanpour, PhD, I. Seiden-Long, PhD, D. Wang, MSc, E. Lang, MD, A. McRae, MD, PhD, University of Calgary, Calgary, AB
Keywords: high-sensitivity troponin, myocardial infarction, risk stratification

LO17: Major adverse cardiac events in patients ruled-out by a validated high-sensitivity troponin algorithm for acute myocardial infarction

Abstract Link

C. O’Rielly, BSc, J. Andruchow, MD, A. McRae, MD, MSc, PhD, University of Calgary, Calgary, AB
Keywords: chest pain, high-sensitivity cardiac troponin, rapid rule out algorithm
LO25: Characteristics of frequent users of emergency departments in Alberta and Ontario, Canada: an administrative data study

Abstract Link

R. Rosychuk, BSc, MSc, PhD, A. Chen, BSc, MSc, S. Fielding, BSc, MBA, X. Hu, BSc, MSc, PhD, P. McLane, BA, PhD, MA, A. McRae, BSc, MD, PhD, M. Ospina, BSc, MSc, PhD, University of Alberta, Edmonton, AB

Keywords: administrative data, frequent users

LO26: The mean abnormal response rates of laboratory tests ordered in the emergency department: shooting percentage insights from a multicentre study

E. Enwere, PhD, D. Wang, MSc, M. Guo, MSc, C. Naugler, MD, MSc, E. Lang, MD, University of Calgary, Calgary, AB

Keywords: informatics, laboratory test, mean abnormal response rate

LO28: Innovating for overcrowding: analyzing the impact of a novel emergency physician role on patient flow

Abstract Link

L. Green-Harrison, BSc, Z. Polsky, MD, T. Fung, PhD, E. Lang, MD, C. Patocka, MD, MHPE, University of Alberta, Edmonton, AB

Keywords: flow, overcrowding, throughput

LO29: Interventions at triage to improve emergency department throughput: a systematic Review

Abstract Link

K. Grant, C. Bayley, BSc, E. Lang, MDCM, G. Innes, MD, University of Alberta, Edmonton, AB

Keywords: crowding, throughput, triage
LO30: Optimizing diagnostic testing processes to improve emergency department throughput: a systematic review

Abstract Link

K. Grant, C. Bayley, BSc, E. Lang, MDCM, G. Innes, MD, University of Toronto, Toronto, ON
Keywords: crowding, point-of-care testing, throughput

LO42: A systematic review of short-term use of therapeutic opioids for children and future opioid use disorders

Abstract Link

S. Ali, MD CM, M. Afzalzada-Ahrari, BA, M. Dyson, PhD, D. DaRosa, K. Dong, MD, MSc, A. Drendel, MSc, DO, L. Hartling, PhD, University of Alberta, Edmonton, AB
Keywords: narcotics, opioid misuse, opioid use disorder

LO43: First Nations emergency care visits in Alberta: Descriptive results of a retrospective cohort study

Abstract Link

P. McLane, BA, PhD, MA, C. Barnabe, MD, MSc, B. Holroyd, MBA, MD, A. Colquhoun, MSc, PhD, L. Bill, BScN, K. Fitzpatrick, MSc, K. Rittenbach, PhD, C. Healy, BSc, H. Bull, M. Crawler, L. Firth, T. Jacobs, D. Twin, R. Rosychuk, MSc, PhD, University of Alberta, Edmonton, AB
Keywords: First Nations

LO54: Emergency department prevalence of intracranial aneurysm on computed tomography angiography (EPIC-ACT)

Abstract Link

B. Sheppard, MD, BSc, G. Beller, MD, BA, C. O’Rielly, BS, Charles Wong, MD, BHSc, University of Calgary, Calgary, AB
Keywords: aneurysm, angiography, subarachnoid
LO71: The effect of boarding time in ED on length of stay for psychiatric patients

Abstract Link

D. Lane, PhD, E. Lang, MD, L. Roberts, MD, MSc, University of Saskatchewan, Saskatoon, SK

Keywords: boarding time, length of stay, psychiatry

LO86: Lack of association between four biomarkers and the presence of persistent post-concussion symptoms after a mild traumatic brain injury

Abstract Link

N. Le Sage, MD, PhD, N. Le Sage, MD, PhD, J. Frenette, PhD, J. Chauny, MD, MSc, S. Berthelot, MD, MSc, P. Archambault, MD, MSc, J. Perry, MD, MSc, J. Lee, MD, MSc, E. Lang, MD, MSc, A. McRae, MD, PhD, X. Neveu, MSc, P. Tardif, MSc, P. Archambault, MD, MSc, J. Frenette, PhD, J. Perry, MD, MSc, I. Stiell, MD, MSc, M. Émond, MD, MSc, J. Lee, MD, MSc, E. Lang, MD, MSc, A. McRae, MD, MSc, V. Boucher, MSc, N. Le Sage, MD, PhD, Université Laval, Quebec City, QC

Keywords: biomarkers, mild traumatic brain injury, persistent post-concussion symptoms


Abstract Link

J. Blais-L’Écuyer, MD, J. Blais-L’Écuyer, MD, É. Mercier, MD, MSc, P. Tardif, MSc, P. Archambault, MD, MSc, J. Chauny, MD, MSc, S. Berthelot, MD, MSc, J. Frenette, PhD, J. Perry, MD, MSc, I. Stiell, MD, MSc, M. Émond, MD, MSc, J. Lee, MD, MSc, E. Lang, MD, MSc, A. McRae, MD, MSc, V. Boucher, MSc, N. Le Sage, MD, PhD, Université Laval, Quebec City, QC

Keywords: biomarker, head computed tomography, mild traumatic brain injury

Moderated Poster Presentation

MP01: Just another day on the job: Workforce experience with violence in emergency departments and urgent care centres

Abstract Link

R. Tarraf, MSc, PhD, M. Stiphout, MSc, A. Fraser, MPH, H. Hair, MBA, E. Lang, MD, B. Holroyd, MBA, MD, S. Hastings, MSc, PhD, Alberta Health Services, Calgary, AB
Keywords: lived experience, workforce safety, Workforce-directed violence

MP03: Clearing the air: A retrospective cohort study of cannabis-related harms in urban Alberta emergency departments following legalization

Abstract Link
M. Yeung, C. Weaver, BSc, E. Lang, MD, R. Saah-Haines, PhD, K. Janz, MD, University of Calgary, Calgary, AB
Keywords: cannabis, legalization, policy

MP07: Identification of barriers and facilitators for implementation of the Canadian Syncope Risk Score

Abstract Link
N. Hudek, PhD, B. Rowe, MD, MSc, J. Brehaut, PhD, B. Ghaedi, MSc, P. Nguyen, BSc, J. Presseau, PhD, A. McRae, MD, PhD, J. Yan, MD, MSc, R. Ohle, MD, C. Fabian, MD, N. Le Sage, MD, PhD, E. Mercier, MD, MSc, M. Hegdekar, MD, P. Archambault, MD, M. Sivilotti, MD, MSc, V. Thiruganasambandamoorthy, MSc, Ottawa Hospital Research Institute, Ottawa, ON
Keywords: knowledge translation, risk-stratification, syncope

MP08: Using administrative data to explore emergency department management of patients presenting with acute atrial fibrillation/flutter: Is Shock-First a more effective strategy than Drug-Shock?

Abstract Link
B. Rowe, MD, B. Bohlouli, MD, C. Villa-Roel, MD, University of Alberta, Edmonton, AB
Keywords: atrial fibrillation, cardioversion, decision-making

MP10: Does arrival pain severity predict stone characteristics or short-term outcomes in emergency department patients with acute renal colic?

Abstract Link
G. Splinter, BSc, K. Gourlay, BSc, J. Hayward, MD, MPH, G. Innes, MD, MSc, University of
Alberta, Edmonton, AB
Keywords: pain, renal colic, stone

MP15: Predictors of emergency department opioid use and variability of prescribing practices in a large multicenter Canadian cohort

Abstract Link
T. Lau, MD, BSc(Pharm), J. Hayward, MD, G. Innes, MD, MHSc, University of Calgary, Calgary, AB
Keywords: acute pain, emergency department, opioid

MP17: Evaluation of a national competency-based assessment system in emergency medicine: A CanDREAM study

Abstract Link
B. Thoma, MD, MSc, MA, A. Hall, MD, MMed, K. Clark, MD, N. Meshkat, MD, MHSc, W. Cheung, MD, MMed, P. Desaulniers, MD, C. ffrench, MD, A. Meiwald, MD, MEd, BN, C. Meyers, MD, C. Patocka, MDCM, MHPE, L. Beatty, MD, T. Chan, MD, MHPE, University of Saskatchewan, Saskatoon, SK
Keywords: competency based medical education, learning analytics

MP23: Mixed methods analysis of an automated e-mail audit and feedback intervention for fostering emergency physician reflection

Abstract Link
W. Kennedy, BSc, D. Andruchow, BSc, S. Dowling, MD, K. Lonergan, BSc, T. Rich, MD, C. Patocka, MD, MHPE, University of Calgary, Calgary, AB
Keywords: feedback methods, innovations in EM education, mixed methods

MP29: Using the Calgary audit and feedback framework to get the most out of physician practice reports
MP30: Reducing unnecessary oral contrast in patients undergoing enhanced abdomen/pelvis computed tomography in the emergency department: A multicentre project

MP31: Optimizing ketorolac dosing by leveraging computerized order entry

MP32: Using physician practice reports and feedback sessions to reduce low value care in bronchiolitis

MP33: Provincial spread of buprenorphine/naloxone initiation in emergency departments for opioid agonist treatment: a quality improvement initiative
E. Lang, MD, S. Fielding, MBA, J. Deol, MD, J. Fanaeian, MD, A. Olmstead, MD, M. Ross, MD, K. Low, MHA, H. Hair, MBA, C. Biggs, BSc, M. Ghosh, MD, MSc, R. Tanguay, BSc, MD, B. Holroyd, MBA, MD, Emergency Strategic Clinical Network, Edmonton, AB
Keywords: opioid agonist treatment, opioids

MP50: Vaping, tobacco and cannabis among patients presenting to the emergency department: a cross-sectional study
Abstract Link
K. Zhou, BMSc, D. Junqueira, MSc, PhD, PharmD, S. Couperthwaite, BSc, J. Meyer, BSc, B. Rowe, MD, MSc, University of Alberta, Edmonton, AB
Keywords: cannabis, tobacco, vaping

MP59: Exploring adverse events in boarded psychiatric patients in Calgary zone adult emergency departments
Abstract Link
D. Major, BSc, S. VandenBerg, MD, MSc, University of Calgary, Calgary, AB
Keywords: adverse event, boarding, psychiatric emergency

Poster Presentation

P003: Productivity patterns in early-career physicians: a multi-center analysis of administrative emergency department operations data
Abstract Link
C. Wong, MD, S. Lu, D. Wang, MSc, S. Dowling, MD, E. Lang, MD, University of Calgary, Calgary, AB
Keywords: efficiency, metrics, productivity

P020: Development and early experience with the Foothills Medical Center Pulmonary Embolism Response Team (PERT)
M. Szava-Kovats, MD, J. Andruchow, MD, P. Boiteau, MD, E. Herget, MD, K. Solverson, MD, University of Calgary, Calgary, AB
Keywords: pulmonary embolism, quality improvement and patient safety, thrombosis

P069: Implementing supervised consumption service access for emergency department
Patients

N. Lam, MD, R. Rosenblum, MD, T. Kaban, K. Dmitrienko, MA, MHSc, D. Oczkowski, K. Dong, MD, MSc, University of Alberta, Edmonton, AB
Keywords: overdose, quality improvement and patient safety, supervised consumption

P081: The summer of the e-scooter: a multicenter evaluation of the emergency department impact of rentable motorized scooters in Calgary

A. Islam, BSc, K. Koger, S. VandenBerg, MD, MSc, D. Wang, E. Lang, MD, University of Calgary, Calgary, AB
Keywords: ambulance, e-scooter, injury

P086: Violence prevention strategies in emergency departments: Key informant interviews

M. Stiphout, MSc, R. Tarraf, MSc, PhD, A. Fraser, MPH, H. Hair, MBA, E. Lang, MD, B. Holroyd, MBA, MD, S. Hastings, MSc, PhD, Alberta Health Services, Calgary, AB
Keywords: violence in healthcare, violence prevention

P092: Caregiver perspectives on children’s functional outcomes following fracture: a qualitative study
S. Golden-Plotnik, BA, MD, S. Ali, MDCM, N. Poonai, MD, MSc, A. Drendel, MSc, DO, M. Mackenzie, MSc, BScN, V. Michael, MD, PhD, University of Alberta, Edmonton, AB
Keywords: children, fractures, functional outcomes

P117: A multicenter analysis of an emergency physician lead on department flow and the provider experience

Abstract Link
K. Crowder, BN, BSc, MD, E. Domm, MN, PhD, BScN, R. Lipp, BScN, O. Robinson, BSc, S. Vatanpour, MSc, PhD, D. Wang, MSc, E. Lang, MD, University of Calgary Cumming School of Medicine, Calgary, AB
Keywords: emergency physician lead, emergency medical services park, provider experiences

P132: Optimizing a physician surge protocol to address emergency department wait times during times of increased patient demand

Abstract Link
T. Bhate, BSc, MD, MHSc, S. Dowling, BA, MD, N. Collins, MD, University of Calgary, Calgary, AB
Keywords: emergency department flow, emergency department staffing, quality improvement and patient safety