

CJEM JCMU

Canadian Journal of Emergency Medicine/Journal canadien
de la médecine d'urgence

Volume 22 Issue 2

March 2020/mars 2020



Inspiring excellence in emergency medical care



CAMBRIDGE
UNIVERSITY PRESS

Canadian Journal of Emergency Medicine Editorial Board

Editor-in-Chief

Ian G. Stiell, MD, MSc
University of Ottawa, Canada

Deputy Editors

Paul Atkinson, MB, BCh, BAO, MA
Dalhousie University, Canada

Eddy Lang, MD, CM
University of Calgary, Canada

Managing Editor

Jennifer Brinkhurst, BAH
Ottawa, Canada

Assistant Managing Editor

Jacqueline Fraser, RNBN
Saint John, Canada

Social Media Editor

Hans Rosenberg, MD
University of Ottawa, Canada

Associate Social Media Editor

Simon Huang, MD, MSc
Dalhousie University, Canada

Editor Emeritus

James Ducharme, MD
McMaster University, Canada

Grant Innes, MD
University of Calgary, Canada

Decision Editors

David Barbic, MD, MSc
University of British Columbia, Canada

Simon Berthelot, MD, MSc
Université Laval, Canada

Peter Alistair Cameron, MBBS, MD
The Alfred Hospital and Monash University, Australia

Alix Carter, MD, MPH
Dalhousie University, Canada

Kerstin de Wit, MBChB, MSc, MD
McMaster University, Canada

Quynh Doan, MDCM, MHSc, PhD
University of British Columbia, Canada

Robert S. Green, MD
Dalhousie University, Canada

Andrew K. Hall MD, MMed
Queen's University, Canada

David Lewis, MBBS
Dalhousie University, Canada

Kirk Magee, MD, MSc
Dalhousie University, Canada

Andrew McRae, MD, PhD
University of Calgary, Canada

Shawn Mondoux, MSc, MD
McMaster University, Canada

Catherine Patocka, MDCM, MHPE
University of Calgary, Canada

Andrew Petrosioniak, MD, MSc (MedEd)
University of Toronto, Canada

Naveen Poonai, MD, MSc
Western University, Canada

Brian Steinhart, MD
University of Toronto, Canada

Daniel K. Ting, MD
University of British Columbia, Canada

Rob Woods, MD, MMed
University of Saskatchewan, Canada

Peter J. Zed, PharmD
University of British Columbia, Canada

Associate Editors

Teresa Chan, MD
McMaster University, Canada

Garth Dickinson, MD
University of Ottawa, Canada

Marcel Émond, MD, MSc
Université Laval, Canada

Jeff Eppler, MD
Kelowna General Hospital, University of British Columbia, Canada

Mete Erdogan, PhD, MHI
Dalhousie University, Canada

Ran Goldman, MD
University of British Columbia, Canada

Sophie Gosselin, MD
McGill University, Canada

Niranjan Kissoon, MD
University of British Columbia, Canada

Patrick McLane, PhD
Alberta Health Services, University of Alberta, Canada

Laurie J. Morrison, MD, MSc
University of Toronto, Canada

Heather Murray, MD, MSc
Queen's University, Canada

Jeffrey Perry, MD, MSc
University of Ottawa, Canada

Roy Purssell, MD
University of British Columbia, Canada

Michael J. Schull, MD, MSc
University of Toronto, Canada

John M. Tallon, MD, MSc
University of British Columbia, Dalhousie University, Canada

Suneel Upadhye, MD
McMaster University, Canada



For *CJEM*'s next audio summary describing the best editorials and articles in this March issue, visit <https://soundcloud.com/user-124260332/cjem-audio-summary-march-english> (English) and <https://soundcloud.com/user-124260332/cjem-audio-summary-march-french> (French).

Table of Contents • Table des matières

EDITORIAL • ÉDITORIAL

- 131 Management of alcohol withdrawal: time to “SHAKE” things up?
Bjug Borgundvaag, Michelle Klaiman
-
- 133 The other pipeline: Securing the future of emergency medicine in Canada
Glen Bandiera, Samuel Vaillancourt
-
- 135 Building capacity more important than adding to overburdened emergency departments
Marshall Ross, Robert L. Tanguay
-

COMMENTARY • COMMENTAIRE

- 137 Climate change and Canadian emergency medicine: Exploring alternative futures
Jason W. Fischer
-
- 139 Cause and effect: A universal nonlinearity principle
Paul Atkinson
-

CJEM DEBATE SERIES • SÉRIE DE DÉBATS JCMU

- 142 *CJEM* Debate Series: #TPA should be the initial treatment in eligible patients presenting with an acute ischemic stroke
William Kenneth Milne, Eddy Lang, Daniel K. Ting, Paul Atkinson
-

JUST THE FACTS • SEULEMENT LES FAITS

- 149 Just the Facts: Methicillin-resistant *Staphylococcus aureus* and soft tissue abscess in the emergency department
Heather Murray, Kirk Leifso
-
- 152 Just the facts: Hypertonic saline is just as good as (and probably better than) mannitol
Laurel Murphy
-
- 155 Just the facts: Organ donation in the emergency department: When you can't save one, save eight
Jennifer Hancock, Simon Huang, Samara Zavalkoff
-

NEED TO KNOW: CJEM JOURNAL CLUB • BESOIN DE SAVOIR: CLUB DE LECTURE JCMU

- 159 Extending the window for thrombolysis in acute ischemic stroke?
Ariel Hendin, Matthew Lipinski
-
- 161 Is buddy taping as effective as plaster immobilization to manage adult boxer's fractures?
Riley Golby, Andrew Guy, Frank X. Scheuermeyer
-
- 163 Coronary angiography after cardiac arrest without ST-segment elevation (COACT)
Andrew Guy, Riley Golby, Rob Stenstrom
-

SUBSTANCE USE DISORDER • TROUBLES LIÉS AUX SUBSTANCES

- 165 Benzodiazepine resistant alcohol withdrawal: What is the clinician's preferred definition?
Hugo Langlois, Monique Cormier, Eric Villeneuve, Robert S. Hoffman, Cristina Longo, Sophie Gosselin
-
- 170 Identification of emergency department patients for referral to rapid-access addiction services
Jessica Hann, Howie Wu, Aliyah Gauri, Kathryn Dong, Ni Lam, Jeffrey A. Bakal, Allison Kirkham
-
- 178 Naloxone dosing in the era of ultra-potent opioid overdoses: a systematic review
Jessica Moe, Jesse Godwin, Roy Pursell, Fiona O'Sullivan, Jeffrey P. Hau, Elizabeth Pursell, Jason Curran, Mary M. Doyle-Waters, Penelope M.A. Brasher, Jane A. Buxton, Corinne M. Hohl
-

CAEP ACADEMIC SYMPOSIUM • SYMPOSIUM ACADÉMIQUE JCMU

- 187 CAEP 2019 Academic Symposium: Got competence? Best practices in trainee progress decisions
Warren J. Cheung, Teresa M. Chan, Karen E. Hauer, Robert A. Woods, Jill McEwen, Lynsey J. Martin, Catherine Patocka, Sandy L. Dong, Munsif Bhimani, Tamara McColl
-
- 194 Harnessing the power of simulation for assessment: Consensus recommendations for the use of simulation-based assessment in emergency medicine
Andrew K. Hall, Timothy Chaplin, Tamara McColl, Andrew Petrosoniak, Kyla Caners, Nicole Rocca, Carlyn Gardner, Farhan Bhanji, Rob Woods
-
- 204 Outcomes in the age of competency-based medical education: Recommendations for emergency medicine training in Canada from the 2019 symposium of academic emergency physicians
Teresa M. Chan, Quinten S. Paterson, Andrew K. Hall, Fareen Zaver, Robert A. Woods, Stanley J. Hamstra, Alexandra Stefan, Daniel K. Ting, Brent Thoma
-

EDUCATION • ENSEIGNEMENT

- 215 A transparent and defensible process for applicant selection within a Canadian emergency medicine residency program
Quinten S. Paterson, Riley Hartmann, Rob Woods, Lynsey J. Martin, Brent Thoma
-
- 224 Residents' perspective of quality improvement and patient safety education in Canadian emergency medicine residency programs
Sachin V. Trivedi, Riley J. Hartmann, Justin N. Hall, Laila Nasser, Danielle Porplycia, Edmund S. H. Kwok, Lucas B. Chartier
-

HEALTH SERVICES • SERVICE DE SANTÉ

- 232 Emergency department use in people who experience imprisonment in Ontario, Canada
John Tuinema, Aaron M. Orkin, Stephanie Y. Cheng, Kinwah Fung, Fiona G. Kouyoumdjian
-
- 241 Emergency department referrals from a provincial medical call centre: Is it more than just 1-800-go-to-emerg?
Jonathon Nataraj, James Stempien, Stuart Netherton, Mark Yosri Wahba, Taofiq Olusegun Oyedokun
-

- 245 Patient race, ethnicity, and care in the emergency department: A scoping review
Allison Owens, Brian R. Holroyd, Patrick McLane
-

CASE REPORTS • RAPPORTS DE CAS

- 254 An unexpected birth: neonatal resuscitation following a vaginal delivery by an unsuspecting mother in the emergency department: a case report
Jonathan E.G. Taylor, Kyle C. Harper, Nicholas D. Harrower, Adam Parent
-
- 257 Ticked off: A case of a tick involving the lower eyelid
Kah Wai Lai, Dawn K. A. Lim, Blanche X. H. Lim, Yew Sen Yuen, Chris H. L. Lim
-

HUMANITY • HUMANITÉ

- 261 To listen is to understand
Jorden Arbour
-
- 263 Filling the gaps
Leo R. Carroll
-

GLOBAL RESEARCH HIGHLIGHTS • FAITS MARQUANTS DE LA RECHERCHE MONDIALE

- 265 Global Research Highlights