



CAEP • Canadian Association of

Emergency Physicians

ACMU • Association canadienne

des médecins d'urgence

www.caep.ca

PRESIDENT / PRÉSIDENT

Andrew W. Affleck, MD, CCFP

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

EDITOR-IN-CHIEF / RÉDACTEUR EN CHEF

Grant Innes, MD

University of British Columbia, Vancouver

cjem@caep.ca

SENIOR ASSOCIATE EDITORS / RÉDACTEURS ADJOINT

James Ducharme, MD

Dalhousie University, Saint John, NB

Riyad B. Abu-Laban, MD, MHSc

University of British Columbia, Vancouver

MANAGING EDITOR / RÉDACTRICE ADMINISTRATIVE

Penelope Gray-Allan, BA, BSc

cjem@caep.ca

ASSOCIATE EDITORS / RÉDACTEURS ASSOCIÉS

EM ADVANCES (original research)

Jacques S. Lee, MD, University of Toronto, Toronto

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

Christian Vaillancourt, MD, MSc, University of Ottawa, Ottawa

CJEM JOURNAL CLUB

Michael J. Bullard, MD, University of Alberta, Edmonton

Eddy S. Lang, MD CM, McGill University, Montréal

CASE REPORTS

Anthony S. Taylor, MD, University of Calgary, Calgary

COMMUNITY EM

David Mann, MD, Powell River General Hospital, Powell River, BC

METHODOLOGY: THE SCIENCE OF EM

Andrew Worster, MD, MSc, McMaster University, Hamilton, Ont.

PHARMACOTHERAPY

Peter J. Zed, BSc(Pharm), PharmD, University of British Columbia, Vancouver

Jeff Eppler, MD, Kelowna General Hospital, Kelowna, BC

ED ADMINISTRATION

Christopher M.B. Fernandes, MD, McMaster University, Hamilton, Ont.

Marc Afilalo, MD, McGill University, Montréal

EDUCATION

Jason R. Frank, MD, MA (Ed), University of Ottawa, Ottawa

STATE OF THE ART (review articles and topical updates)

Jeffrey R. Brubacher, MD, University of British Columbia, Vancouver

TOXICOLOGY

Roy Purssell, MD, University of British Columbia, Vancouver

CONTROVERSIES (issues and commentaries)

Jeffrey Freeman, MD, University of Michigan, Ann Arbor, Mich.

PEDIATRIC EM

Lance Brown, MD, Loma Linda University Medical Center and Children's Hospital, Loma Linda, Calif.

Ran Goldman, MD, Hospital for Sick Children, Toronto

Niranjan Kissoon, MD, University of Florida HSC/Jacksonville, Jacksonville, Fla.

HUMOUR AND HUMANITY

Jeffrey Freeman, MD, University of Michigan, Ann Arbor, Mich.

DIAGNOSTIC CHALLENGE

Joseph Finkler, MSc, MD, University of British Columbia, Vancouver

INTERNATIONAL EM

Garth Dickinson, MD, Christ Church, Barbados

MEDICAL MYTHOLOGY

Mel Herbert, MD, University of Southern California, Los Angeles

RESIDENT ISSUES

Shelby Haque, MD, University of Alberta, Edmonton

Aaron Sibley, MD, University of Alberta, Edmonton

Vol. 8, No. 5, September / septembre 2006

TABLE OF CONTENTS • TABLE DES MATIÈRES

ORIGINAL RESEARCH • RECHERCHE ORIGINALE

ADVANCES

- Emergency department use by CTAS Levels IV and V patients
S. Field, A. Lantz

317

ADVANCES

- Effect of the SARS outbreak on visits to a community hospital emergency department
M. Heiber, W.Y.W. Lou

323

EDUCATION • ÉDUCATION

STATE OF THE ART

- Systematic review of randomized controlled trials of therapeutic hypothermia as a neuroprotectant in post cardiac arrest patients
K.W. Cheung, R.S. Green, K.D. Magee

329

STATE OF THE ART

- Hyperglycemia in acutely ill emergency patients — Cause or effect?
W.R. Henderson, D.R. Chittock, V.K. Dhingra, J.J. Ronco

339

DIAGNOSTIC CHALLENGE

- Acute ischemic upper limb in a young man:
an emergency presentation; Answer
L. Jones, A. Birnie, U. Shanker

345; 370

COMMENTARIES • COMMENTAIRES

CONTROVERSIES

- Etomidate for rapid sequence intubation in the emergency department:
Is adrenal suppression a concern?
P.J. Zed, V.H. Mabasa, R.S. Slavik, R.B. Abu-Laban

347

CONTROVERSIES

- You need tube, me give one amp of etomidate and SUX
M.L.A. Sivilotti

351

CASE REPORTS • OBSERVATIONS DE CAS

- Posterior sternoclavicular joint dislocation: case report and discussion
N. Kuzak, A. Ishkanian, R.B. Abu-Laban

355

EDITORS AT LARGE / RÉDACTEURS OCCASIONNELS	
Tim Allen, MD, Quebec City	
Greta Cummings, BScN, Med, RN, PhD, Edmonton	
Brian Goldman, MD, Toronto	
Daniel W. Howes, MD, Kingston, Ont.	
Shane Neilson, BSc, MD, Halifax	
Michael J. Schull, MD, MSc, Toronto	
Marco Sivilotti, MD, MSc, Kingston, Ont.	
Andrew H. Travers, BSc, MD, MSc (Epidemiol), Halifax	
WEB SITE	
Vacant	
BUSINESS AND PROMOTION	
Chris Evans, MD	cevans@ualberta.ca
University of Alberta, Edmonton	
TRANSLATION / TRADUCTION	
Danielle Séguin-Tétreault, MTrad	
MARKETING AND ADVERTISING SALES / MARKETING ET PUBLICITÉ	
Keith Communications Inc.	info@keithhealthcare.com
Toronto: 905 278-6700 or 800 661-5004; fax 905 278-4850	
Montréal: 514 624-6979 or 877 761-0447; fax 514 624-6707	
<i>CJEM</i> is owned by the Canadian Association of Emergency Physicians (CAEP) and printed by Dollco Printing, Ottawa.	
CAEP Head Office: 1785 Alta Vista Dr., Ste. 104, Ottawa ON K1G 3Y6; tel 613 523-3343; fax 613 523-0190; cjem@caep.ca	
Editorial inquiries, submissions and all other correspondence:	
<i>CJEM</i> , c/o Dr. Grant Innes, Dept. of Emergency Medicine, St. Paul's Hospital, 1081 Burrard St., Vancouver BC V6Z 1Y6; 604 806-8980, fax 604 608-9810, cjem@caep.ca	
Instructions for Authors, Service Information: see Table of Contents.	
Address changes or requests for permission to reproduce items in <i>CJEM</i> : contact cjemsubmissions@caep.ca	
Bowel perforation after single-dose activated charcoal	358
<i>J.P. Green, W. McCauley</i>	
Lamotrigine as a possible cause of QRS prolongation in a patient with known seizure disorder	361
<i>T.J.S. Herold</i>	
Primary amebic meningoencephalitis: a silent killer	365
<i>I. Grate, Jr.</i>	
LETTERS	315
Clarification — "Pretreatment" in RSI, <i>S. Campbell, G. Kovacs, K. MacQuarrie, and the AIME Instructors</i> . AMI after epinephrine, <i>G. Maddison; A. Shah</i> . Erratum.	
CAEP 2007 CALL FOR ABSTRACTS	338
ACMU 2007 — DEMANDE DE COMMUNICATIONS	344
CAEP RESEARCH GRANTS 2007	346
AEM CALL FOR PAPERS	354
CALENDAR • CALENDRIER	372
BOURSES DE RECHERCHE DE L'ACMU 2007	373
CLASSIFIED ADVERTISING • ANNONCES CLASSÉES	381
INSTRUCTIONS FOR AUTHORS • INSTRUCTIONS POUR LES AUTEURS	
Visit / visitez www.caep.ca	
SERVICE INFORMATION • SERVICES	
Visit / visitez www.caep.ca	



Canadä

All prescription drug advertisements have been cleared by the Pharmaceutical Advertising Advisory Board.

© 2006 Canadian Association of Emergency Physicians
Association canadienne des médecins d'urgence

CMA MEDIA INC. – PUBLISHER / AMC MÉDIA INC. – ÉDITEUR

CJEM is published in January, March, May, July, September and November by CAEP by CMA Media Inc., Ottawa. CAEP, the Canadian Medical Association (CMA) and CMA Media Inc. assume no responsibility or liability for damages arising from any error or omission, or from the use of any information or advice contained in the journal, including articles, editorials, case reports, reviews, media reviews, letters and advertisements. All editorial matter in *CJEM* represents the opinions of the authors and not necessarily those of CAEP, the CMA or CMA Media Inc.

PRESIDENT / PRÉSIDENT
Graham Morris

DIRECTOR / DIRECTRICE
Glenda Proctor, MSc, EL

EDITOR / RÉDACTRICE
Jennifer E. Raiche
800 663-7336 x2114; fax 613 565-2382; jennifer.raiche@cma.ca

PRODUCTION

**Kathryn A. Freamo
Nicole Barbeau, Clara Walker**

CLASSIFIED ADVERTISING / ANNONCES CLASSÉES

Beverley Kirkpatrick, Deborah Rodd

613 731-8610 x2127/2314; fax 613 565-7488; a

DISPLAY ADVERTISING / ANNONCES



ABOUT THE COVER

Lions Gate Hospital
North Vancouver, BC

Lions Gate is one of 14 hospitals in the Vancouver Coastal Health Authority. A recognized trauma centre, Lions Gate has 335 beds and 7 operating rooms. It is the 4th busiest hospital in Vancouver and 1 of only 5 neurosurgery centres in British Columbia.

Photos by: Penelope Gray-Allan



ADVERTISERS' INDEX

INDEX DES ANNONCEURS

Abbott Laboratories, Limited
Bixin XL Inside Front Cover, 374, 375

Pfizer Canada Inc.

Sanofi Aventis/Bristol-Myers Squibb
Plavix 376, 377, Inside Back Cover

The Hospital for Sick Children