



CAEP • Canadian Association of

Emergency Physicians

ACMU • Association canadienne

des médecins d'urgence

www.caep.ca

PRESIDENT / PRÉSIDENTE

Mary Lynn Watson, MD, CCFP(EM)

Canadian Journal of Emergency Medicine

Journal canadien de la médecine d'urgence

EDITOR-IN-CHIEF / RÉDACTEUR EN CHEF

James Ducharme, MD
McMaster University, Hamilton, Ont.

SENIOR ASSOCIATE EDITORS / RÉDACTEURS ADJOINT

Riyad B. Abu-Laban, MD, MHS
University of British Columbia, Vancouver, BC
Lance Brown, MD, Loma Linda University Medical Center,
Loma Linda, Calif.
Marco L.A. Sivilotti, MD, MSc
Queen's University, Kingston, Ont.

MANAGING EDITOR / RÉDACTRICE ADMINISTRATIVE

Penelope Gray-Allan, BA, BSc
Vancouver, BC

EDITOR EMERITUS / RÉDACTEUR ÉMÉRITE

Grant Innes, MD
University of British Columbia, Vancouver, BC

ASSOCIATE EDITORS / RÉDACTEURS ASSOCIÉS

EM ADVANCES
Jacques S. Lee, MD, University of Toronto, Toronto, Ont.
Heather Murray, MD, MSc, Queen's University, Kingston, Ont.
Ian G. Stiell, MD, MSc, University of Ottawa, Ottawa, Ont.
Christian Vaillancourt, MD, MSc, University of Ottawa, Ottawa, Ont.

CJEM JOURNAL CLUB
Michael J. Bullard, MD, University of Alberta, Edmonton, Alta.
Eddy S. Lang, MD CM, McGill University, Montréal, Que.

COMMENTARIES AND CONTROVERSIES

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

COMMUNITY EM

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

DIAGNOSTIC CHALLENGE

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

ED ADMINISTRATION

Christopher M.B. Fernandes, MD, University of Western Ontario,
London, Ont.

Marc Afilalo, MD, McGill University, Montréal, Que.

EDUCATION

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

HUMOUR AND HUMANITY

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

INTERNATIONAL EM

Garth Dickinson, MD, Christ Church, Barbados

MEDICAL MYTHOLOGY

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

METHODOLOGY: THE SCIENCE OF EM

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

PEDIATRIC EM

Ran Goldman, MD, University of British Columbia, Vancouver, BC

Niranjan Kissoon, MD, University of British Columbia, Vancouver, BC

PHARMACOTHERAPY

Peter J. Zed, BSc(Pharm), PharmD, Dalhousie University, Halifax, NS
Jeff Eppler, MD, Kelowna General Hospital, Kelowna, BC

RESIDENT ISSUES

Vacant

STATE OF THE ART

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

TOXICOLOGY

Roy Pursell, MD, University of British Columbia, Vancouver, BC

Vol. 9, No. 5, September / septembre 2007

TABLE OF CONTENTS • TABLE DES MATIÈRES

ORIGINAL RESEARCH • RECHERCHE ORIGINALE

PEDIATRICS

Radial head subluxation: How long do children wait in the emergency department before reduction?
P. Toupin, M.H. Osmond, R. Correll, A. Plint

333

ADVANCES

Key indicators of overcrowding in Canadian emergency departments:
a Delphi study
M.B. Ospina, K. Bond, M. Schull, G. Innes, S. Blitz, B.H. Rowe

339

PEDIATRICS

Prevalence of pneumonia in children under 12 years of age who undergo abdominal radiography in the emergency department
V. Homier, C. Bellavance, M. Xhignesse

347

ADVANCES

Changing the process of care and practice in acute asthma in the emergency department: experience with an asthma care map in a regional hospital
D. Mackey, M. Myles, C.H. Spooner, H. Lari, L. Tyler, S. Blitz, A. Senthilselvan, B.H. Rowe

353

KNOWLEDGE APPLIED TO PRACTICE APPLICATION DES CONNAISSANCES À LA PRATIQUE

DIAGNOSTIC CHALLENGE

Brain strain; Answer
B. Deady, C. Wallace, W. Siu

367; 393

MEDICAL MYTHOLOGY

Physical exam myths: listening for carotid artery bruits
in stroke patients
J. Nemeth

368

TIPS FROM THE TRENCHES

Ultrasound-guided central venous access: a homemade phantom
for simulation
J.L. Kendall and J.P. Faragher

371

INTERNATIONAL EM • LA MU À L'ÉTRANGER

A morning at the Angkor Hospital for Children
M. Wansbrough

374

EDITORS AT LARGE / RÉDACTEURS OCCASIONNELS

Tim Allen, MD, Québec City, Que.
Greta Cummings, BScN, MEd, RN, PhD, Edmonton, Alta.
Adam Lund, BSc, MD, MDE, Vancouver, BC
Shane Neilson, BSc, MD, Guelph, Ont.
Michael J. Schull, MD, MSc, Toronto, Ont.
Andrew H. Travers, BSc, MD, MSc (Epidemiol), Halifax, NS
Suneel Upadhye, MD, Hamilton, Ont.

BUSINESS AND PROMOTION

Chris Evans, MD
University of Alberta, Edmonton, Alta.

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

EDITORIAL INQUIRIES, SUBMISSIONS AND ALL OTHER CORRESPONDENCE

Send to *CJEM*, c/o Penelope Gray-Allan, Managing Editor, Canadian Journal of Emergency Medicine, Division of Emergency Medicine, Department of Surgery, University of British Columbia, c/o Department of Emergency Medicine, Vancouver General Hospital, 855 West 12th Ave., Vancouver BC V5Z 1M9; cjem@caep.ca

CJEM is owned by the Canadian Association of Emergency Physicians (CAEP) and printed by Dolco Printing, Ottawa, on acid-free stock.

CAEP Head Office: 1785 Alta Vista Dr., Ste. 104, Ottawa ON K1G 3Y6; tel 613 523-3343; fax 613 523-0190; cjem@caep.ca

Instructions for Authors, Service Information: see Table of Contents.
Address changes or requests for permission to reproduce items in
CJEM: contact cjems@caep.ca

Indexed by MEDLINE/PubMed, EMBASE, CINAHL, International Pharmaceutical Abstracts (IPA), BIOME/OMNI, Scirus, Cochrane Prehospital and Emergency Health Field, and PubsHub.com.

Publications mail agreement no. 0344505499. USPS #017-766;
periodical postage paid at Champlain, NY. Return undeliverable
copies to the CAEP Head Office or to IMS of NY, 100 Walnut St.,
#1, PO Box 1518 Champlain NY 12919-1518. ISSN 1481-8035.

We acknowledge the financial support of the Government of Canada,
through the Canada Magazine Fund, toward our editorial costs.



Canada

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

© 2007 Canadian Association of Emergency Physicians
Association canadienne des médecins d'urgence

PUBLISHER / ÉDITEUR

CJEM is published in January, March, May, July, September and November for CAEP by the Canadian Medical Association (CMA), Ottawa. CAEP and the CMA 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 or the CMA.

DIRECTOR, PUBLICATIONS / DIRECTRICE, SERVICES D'ÉDITION
Glenda Proctor

MANAGING EDITOR / DIRECTRICE DE LA RÉDACTION

Molly Meitin
800 663-7336 x2114; fax 613 565-2382; molly.meitin@cma.ca

EDITORIAL COORDINATOR / COORDINATRICE DE LA RÉDACTION
Kate Brown

TRANSLATION COORDINATOR / COORDONNATRICE, TRADUCTIONS
Marie Saumure

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; advertising@cma.ca

DISPLAY ADVERTISING / ANNONCES PUBLICITAIRES
Deborah Woodman, 613 731-8610 x2159

**COMMENTARY / CONTROVERSIES
COMMENTAIRE ET CONTROVERSES**

Emergency department overcrowding: peering through the holes
in the safety net

J. Freeman

378

CASE REPORTS • OBSERVATIONS DES CAS

Botfly myiasis: a case report

K.G. Ofordeme, L. Papa, D.F. Brennan

380

Type I Monteggia lesion and associated fracture of the distal radius
and ulna metaphysis in a child

N. Peter and S. Myint

383

HUMOUR AND HUMANITY • HUMOUR ET HUMANITÉ

Jeff

Anonymous

387

Bad News Broken

S. Neilson

389

Calendar

390

CAEP 2008 Call for Abstracts

391

ACMU 2008 Demande de communications

392

Classified Advertising • Annonces classées

404

INSTRUCTIONS FOR AUTHORS • INSTRUCTIONS POUR LES AUTEURS

Visit / visitez www.caep.ca

SERVICE INFORMATION • SERVICES

Visit / visitez www.caep.ca

**ABOUT THE COVER:**

An emergency department triage area in an unidentified Canadian tertiary care centre (July 3, 2007).

Photo by: Anonymous

**ADVERTISERS' INDEX
INDEX DES ANNONCEURS**

Abbott Laboratories, Limited

Biaxin XL Inside front cover, 398, 399

Chyma Systems Inc.

Inside back cover

Pfizer Canada Inc.

Celebrex 395, 396, 397, Outside back cover

Sanofi Aventis/Bristol-Myers Squibb

Plavix 332, 402, 403

Wyeth

Tazocin 330, 400, 401