



The journal

Canadian Journal of Neurological Sciences

Volume 39 Number 6 (Supplement 6) November 2012

35 Years of Excellence Epilepsy Program, Western University



*A Peer-reviewed SUPPLEMENT to
The Canadian Journal of Neurological Sciences*

AN INTERNATIONAL JOURNAL PUBLISHED BY THE CANADIAN NEUROLOGICAL SCIENCES FEDERATION

The official Journal of: The Canadian Neurological Society, The Canadian Neurosurgical Society, The Canadian Society of Clinical Neurophysiologists, The Canadian Association of Child Neurology

- S1** Introduction -
Jorge G. Burneo, David A. Steven
- S2** A History of the Epilepsy Programme at University Hospital (LHSC) & Western University, London, Ontario Canada 1975- 2012
Warren T. Blume, John P. Girvin
- S7** Neuroimaging in Epilepsy: Towards Structural Cellular Imaging
Ruben Kuzniecky
- S10** Intracranial Telemetry Recording of Intractable Epilepsy at London Health Sciences Centre
David A. Steven, Richard S. McLachlan
- S14** Intracranial Neurostimulation for Epilepsy
A. Parrent
- S20** Neuropathologic Studies of 'Epileptogenic' Tissue
Harry V. Vinters
- S25** Outcomes After Epilepsy Surgery
José F. Téllez-Zenteno, Lizbeth Hernandez-Ronquillo, Jorge Burneo
- S30** What's New in the Medical Management of Pediatric Epilepsy?
Elaine C. Wirrell
- S35** Epilepsy Surgery in Childhood
Valeria L. Muro, Mary B. Connolly

Editor-in-Chief/Rédacteur en chef

G. Bryan Young LONDON, ON

Associate Editors/Rédacteurs associés

J. Max Findlay EDMONTON, AB
Mark Sadler HALIFAX, NS
Mike Poulter LONDON, ON
Serge Gauthier VERDUN, QC
Robert Hammond LONDON, ON
Mary Connolly VANCOUVER, BC

Past Editors/Anciens rédacteurs en chef

Douglas W. Zochodne CALGARY, AB
James A. Sharpe TORONTO, ON
Robert G. Lee CALGARY, AB
Robert T. Ross WINNIPEG, MB
(Emeritus Editor, Founding Editor)

Editorial Board/Comité éditorial

Jorge Burneo LONDON, ON
Richard Desbiens QUEBEC CITY, QC
David Fortin SHERBROOKE, QC
Mark Hamilton CALGARY, AB
Hans-Peter Hartung DUSSELDORF, GERMANY
Michael Hill CALGARY, AB
Alan C. Jackson WINNIPEG, MB
Daniel Keene OTTAWA, ON
James Perry TORONTO, ON
Oksana Suchowersky CALGARY, AB
Brian Toyota VANCOUVER, BC
Brian Weinshenker ROCHESTER, MN, USA
Samuel Wiebe CALGARY, AB
Elaine Wirrell ROCHESTER, MN, USA

SECTION EDITORS/CONSEIL DE RÉDACTION

Neuroimaging Highlight/Neuroimagerie

David Pelz LONDON, ON

Neuropathological Conference/Conférence sur la neuropathologie

Robert Hammond LONDON, ON

**Book Review/Critiques de livres
Reflections/Reflets**

Andrew Kirk SASKATOON, SK

**Critically Appraised Topic Summaries
(CATS)**

Jorge Burneo LONDON, ON
Mary Jenkins LONDON, ON

Editorial Review Board/Comité de lecture

Donald Brunet KINGSTON, ON
Jodie Burton CALGARY, AB
Lionel Carmant MONTREAL, QC
Colin Chalk MONTREAL, QC
K. Ming Chan EDMONTON, AB
Robert Chen TORONTO, ON
Joseph Dooley HALIFAX, NS
Paolo Federico CALGARY, AB
Daryl Fournay SASKATOON, SK
Hannah Glass SAN FRANCISCO, CA, USA
Alan Goodridge ST. JOHN'S, NL
Ian Grant HALIFAX, NS
Alan Guberman OTTAWA, ON
John Hurlbert CALGARY, AB
Manouchehr Javidan VANCOUVER, BC
Patrick McDonald WINNIPEG, MB
Martin McKeown VANCOUVER, BC
Joseph Megyesi LONDON, ON
Vivek Mehta EDMONTON, AB
Steven Miller TORONTO, ON
Neelan Pillay CALGARY, AB
Christopher Power EDMONTON, AB
Alex Rajput SASKATOON, SK
Jean Raymond MONTREAL, QC
Gary Redekop VANCOUVER, BC
Harvey Sarnat CALGARY, AB
John Stewart VANCOUVER, BC
Jeanne Teitelbaum MONTREAL, QC
Eve Tsai OTTAWA, ON
Shannon Venance LONDON, ON
Matt Wheatley EDMONTON, AB
Jerome Yager EDMONTON, AB

Journal Staff/Effectif du journal

Dan Morin CALGARY, AB
Chief Executive Officer
Maggie McCallion CALGARY, AB
Designer/Production Coordinator
Cindy Leschyshyn CALGARY, AB
Editorial Coordinator

**Advertising representative/
Représentant de publicité**

Dan Morin, Chief Executive Officer
Tel (403) 229-9544 Fax (403) 229-1661
E-mail: dan-morin@cnsfederation.org

Printer/Imprimeur

Unicom Graphics, 4501 Manitoba Road SE
Calgary, Alberta T2G 4B9

The official journal of: / La revue officielle de :

**The Canadian Neurological Society
La Société Canadienne de Neurologie**

**The Canadian Neurosurgical Society
La Société Canadienne de Neurochirurgie**

**The Canadian Society of Clinical Neurophysiologists
La Société Canadienne de Neurophysiologie Clinique**

**The Canadian Association of Child Neurology
L'Association Canadienne de Neurologie Pédiatrique**

The permanent secretariat for the four societies and the Canadian Neurological Sciences Federation is at:

Le secrétariat des quatre associations et de la Fédération des sciences neurologiques du Canada est situé en permanence à :

7015 Macleod Trail SW, Suite 709

Calgary, Alberta, Canada T2H 2K6

CNSF (403) 229-9544 / CJNS (403) 229-9575

Fax (403) 229-1661

The Canadian Journal of Neurological Sciences is published bi-monthly. The annual subscription rate for Individuals (print and online) are: C\$170.00 (Canada), C\$200.00 (US), C\$280.00 (International). Subscription rates for Institutions (print and online) are C\$190.00 (Canada), C\$220.00 (US), C\$300.00 (International). "Online Only"- Available only to International subscribers - C\$160.00 (Individual), C\$180.00 (Institutional). See www.cjns.org for full details including taxes. Single copies C\$30.00 each plus C\$25.00 shipping and handling. E-mail: journal@cjns.org. COPYRIGHT © 2012 by THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES INC. All rights reserved. No part of this journal may be reproduced in any form without the prior permission of The Canadian Journal of Neurological Sciences. Postage paid at Calgary, Alberta.

Le Journal Canadien des Sciences Neurologiques est publié tous les deux mois. Voici les prix d'abonnement pour les personnes (imprimé et en ligne) : 170,00 \$ CA (Canada), 200,00 \$ CA (É.-U.), 280,00 \$ CA (international). Voici les prix d'abonnement pour les institutions (imprimé et en ligne) : 190,00 \$ CA (Canada), 220,00 \$ CA (É.-U.), 300,00 \$ CA (international). « En ligne seulement » (offre seulement aux abonnés internationaux) : 160,00 \$ CA (personnes), 180,00 \$ CA (institutions). Visiter www.cjns.org pour tous les détails incluant les taxes. Exemplaires uniques : 30,00 \$ CA l'unité, plus 25,00 \$ CA en frais de port et de manutention. Courriel : journal@cjns.org. COPYRIGHT © 2012 du THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES INC. Tous droits réservés. Aucune partie de ce journal ne peut être reproduite sous quelque forme que ce soit sans la permission préalable du Journal Canadien des Sciences Neurologiques. Frais de port payés à Calgary, en Alberta.

This journal is indexed by / Cette revue est indexée par : Adis International, ArticleFirst, BIOBASE, BiolAb, BiolSci, BIOSIS Previews, Centre National de la Recherche Scientifique, CSA, CurAb, CurCont, De Gruyter Saur, E-psyche, EBSCO, Elsevier, EMBASE, FRANCIS, IBZ, Internationale Bibliographie der Rezensionen Geistes- und Sozialwissenschaftlicher Literatur, MEDLINE, MetaPress, National Library of Medicine, OCLC, PE&ON, Personal Alert, PsycFIRST, PsycINFO, PubMed, Reac, RefZh, SCI, SCOPUS, Thomson Reuters, TOCpremier, VINI RAN, Web of Science.

ISSN 0317 - 1671

