



srpc.ca  
cjrm.ca

**SCIENTIFIC EDITOR**  
**RÉDACTEUR SCIENTIFIQUE**  
PETER HUTTEN-CZAPSKI, MD  
Haileybury, ON.

**ASSOCIATE SCIENTIFIC EDITOR**  
**RÉDACTEUR SCIENTIFIQUE ASSOCIÉ**  
GORDON BROCK, MD  
Temiscaming, QC.

**MANAGING EDITOR**  
**DIRECTRICE DE LA RÉDACTION**  
SUZANNE KINGSMILL, BA, BSc, MSc  
Toronto, ON.

**ASSISTANT EDITORS**  
**RÉDACTEURS ADJOINTS**  
MIKE GREEN, MD  
Kingston, ON.

MARY JOHNSTON, MD  
Blind Bay, BC

TRINA M. LARSEN SOLES, MD  
Golden, BC

SARAH GILES, MD  
Kenora, ON

JAMES ROURKE, MD  
Ottawa, NL

RON SPICE, MD  
Okotoks, AB.

GABE WOOLLAM, MD  
Happy Valley-Goose Bay, NL

*Canadian Journal of Rural Medicine* (CJRM) is owned by the Society of Rural Physicians of Canada (SRPC). It appears in Winter, Spring, Summer and Fall. It is printed by The Lowe-Martin Group, Ottawa, ON.

Address all correspondence to:  
Editor, CJRM  
manedcjrm@gmail.com

CJRM is indexed in Emerging Sources  
Citation Index, MEDLINE/Index  
Medicus, Web of Science

Publications Mail Agreement no. 4138705.  
Send address changes to: SRPC, Box 893,  
Shawville, QC J0X 2Y0  
819-647-7054  
819-647-1949; fax: 819-647-2485  
info@srpc.ca

ISSN 12037796

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

Printed by The Pontiac Printshop Ltd.,  
Shawville, QC

© 2022 Society of Rural Physicians of Canada  
| Published by Wolters Kluwer - Medknow



Canadian Journal

of  
**Rural  
Medicine**

Journal canadien

de la  
**médecine  
rurale**

**VOL. 27, No. 2, SPRING 2022 / PRINTEMPS 2022**

## EDITORIALS / ÉDITORIAUX

- 47 Wave theory of rural medicine — *Peter Hutten-Czapski, MD*
- 48 Théorie de la vague en médecine rurale — *Peter Hutten-Czapski, MD*
- 49 President's message. A reflection — *Gabe Woollam, MD, FCFP, FRRMS*
- 50 Message du président. Une réflexion — *Gabe Woollam, MD, FCFP, FRRMS*

## ORIGINAL ARTICLES / ARTICLES ORIGINAUX

- 51 Motor vehicle collision-related injuries and deaths among Indigenous Peoples in Canada: Meta-analysis of geo-structural factors — *Naomi G. Williams, MSW, Kevin M. Gorey, PhD, Amy M. Alberton, PhD*
- 61 Northern Ontario's Obstetrical Services in 2020: A developing rural maternity care desert — *Eliseo Orrantia, MD, CCFP, Peter Hutten-Czapski, MD, CCFP, Mathieu Mercier, BScN, Samarth Fageria, MMASc*

## CASE REPORT

- 69 Pathological fractures leading to the incidental diagnosis of rickets — *Mohammed Abraham, MD, CCFP (EM), CFPC Dipl., ABOM*

## PROCEDURAL ARTICLE

- 72 The occasional cervical biopsy — *Julia Robson, BSc, Cara van der Merwe, BHSc, Leslea Walters, MD, FRCSC, Laura Noack, MD, CCFP, Sarah M. Giles MD, CCFP (EM)*

## PODIUM

- 77 Why COVID-19 could be a boon for rural patient transfers — *Carolyn Ruth Wilson, MD, CCFP FCFP*



*'Babes In The Woods' © 2022  
Dawn Gerety  
36" x 48" Acrylic painting on canvas*

*www.ArtSeriously.com  
Find me on the 'gram! @  
dawngeretyart*

*Lifelong Alaskan Dawn Gerety is  
known for painting whimsical  
interpretations of Arctic wildlife and  
adventures.*

## ARE YOU AN AUTHOR OR A RESEARCHER?

Do you have an original research paper ready to submit?

Are you working on a research paper and looking to have it published?

Think of the Canadian Journal of Rural Medicine.

If you have a research paper archived, dust it off and send it in!

We welcome original research studies, case reports and literature reviews that have a rural medicine edge.  
(3500 words or less)

Submissions will be peer reviewed for potential publication.

Learn more and find instructions online.

[www.srpc.ca/cjrm](http://www.srpc.ca/cjrm)

## THE LISTSERV

SRPC members are welcome to join at any time. The Listserv is a network of physicians in rural practice, allied healthcare providers, and academia interested in rural medicine. RURALMED has a Canadian focus, and its purpose is to support rural practitioners, whether they be rural GP/FPs or rural specialists, by providing a forum for discussion, debate, and the exchange of ideas and information.

Contribute to, or follow the email discussions in any of the following groups.

RuralAnesthesia RuralMed MedRurale  
StudentRuralMed

Learn more or subscribe online.

[www.srpc.ca/ruralmed](http://www.srpc.ca/ruralmed)