



CANADIAN CHIROPRACTIC ASSOCIATION

Chair Dr. Gerald Olin, BSc, DC

JCCA STAFF

Editor Kent Stuber, DC, MSc
Division of Graduate Education & Research
Canadian Memorial Chiropractic College, Calgary, Alberta

Editor Emeritus Allan Gotlib, C.M., DC
Toronto, Ontario

Associate Editors Jeffrey Quon, DC, PhD
School of Population & Public Health
Faculty of Medicine, University of British Columbia, Vancouver, British Columbia

André Bussi res, DC, FCCS(C), PhD
Faculty of Medicine, McGill University, Montr al, Qu bec
D partement chiropratique, Universit  du Qu bec   Trois-Rivi res, Trois-Rivi res, Qu bec

Dana J. Lawrence, DC, MMedEd, MA
Parker University, Dallas, Texas

Assistant Editors Gregory N. Kawchuk, DC, PhD
University of Alberta, Edmonton, Alberta

Mohsen Kazemi, RN, DC, MSc, PhD, FRCCSS(C), FCCP(C)
Faculty of Clinical Education, Graduate Studies and Research,
Canadian Memorial Chiropractic College, Toronto, Ontario

Production Co-ordinator John Doiron

Advertising Editor, Journal of the Canadian Chiropractic Association
186 Spadina Avenue, Suite 6, Toronto, Ontario M5T 3B2
Tel: 416-585-7902 877-222-9303 Fax: 416-585-2970

Email: Dr. Kent Stuber<kstuber@jcca.ca>
Website: www.jcca-online.org

TYPESETTING

Thistle Printing Limited
35 Mobile Drive, Toronto, Ontario M4A 2P6

JCCA

Journal of the Canadian Chiropractic Association

(Formerly the Canadian Chiropractic Association Journal)

Copyright Registered © by the Canadian Chiropractic Association 1961

Copyright: The Canadian Chiropractic Association, 2018

All rights reserved. Without limiting the rights under copyright above, no part of this publication may be reproduced, stored in or introduced into any retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise), without the prior written permission with the copyright owner and the publisher.

Published by the Canadian Chiropractic Association and issued quarterly

EDITORIAL AND EXECUTIVE OFFICES,
186 SPADINA AVENUE, SUITE 6, TORONTO, CANADA M5T 3B2

General Information: The Journal of the Canadian Chiropractic Association is the official publication by the Canadian Chiropractic Association. The JCCA is published by the Canadian Chiropractic Association as a medium of communication between the Association and its members and is a forum for fair comment and discussion of all matters of general interest to the chiropractic profession and the Association. Readers are invited to comment and express their opinions on relevant subjects. Views and opinions in editorials and articles are not to be taken as official expression of the Association's policy unless so stated. Publication of contributed articles does not necessarily imply endorsement in any way of the opinions expressed therein and the Journal and its publisher does not accept any responsibility for them. Business correspondence should be addressed to: the Editor of JCCA, 186 Spadina Avenue, Suite 6, Toronto, Canada M5T 3B2.

INDEXING SERVICES

JCCA is indexed by PubMed Central, Scopus, CINAHL (Cumulative Index to Nursing and Allied Health Literature), MANTIS (formerly CHIROLARS), AMED, PASCAL, Index to Chiropractic Literature, and selectively by SPORTDiscus.

Contents

JCCA Vol 62 No 3 ISSN 0008-3194 (Print) and ISSN 1715-6181 (Electronic)

Original Articles

- 130 SafetyNET Community-based patient safety initiatives: development and application of a Patient Safety and Quality Improvement Survey

Martha Funabashi, PT, PhD
Katherine A Pohlman, DC, PhD(c)
Silvano Mior, DC, PhD
Maeve O'Beirne, PhD, MD
Michael Westaway, PT, DSc
Diana De Carvalho, DC, PhD
Mohamed El-Bayoumi
Bob Haig, DC
Darrell J. Wade, DC
Haymo W Thiel, DC, DipMEd, PhD
J David Cassidy, PhD, DrMedSc
Eric Hurwitz, DC, PhD
Gregory N Kawchuk, DC, PhD
Sunita Vohra, MD, MSc

- 143 Does interprofessional interaction influence physical therapy students' attitudes toward chiropractic?

Bryan M. Bond, BSc, BS, DC, MS, PhD
Jamie Dehan, PT, DPT, MS
Mark Horacek, PT, MS, PhD

10th Annual Sports Chiropractic Issue

Editorial

- 149 JCCA December 2018 Sports Chiropractic Special Issue: 10th Anniversary Edition

Mohsen Kazemi, RN, DC, MSc, FRCCSS(C), FCCPOR(C), PhD

Original Articles

- 150 Developmental changes in the youth athlete: implications for movement, skills acquisition, performance and injuries

Melissa Corso, BSc, MSc, DC

- 161 Roller massage: is the numeric pain rating scale a reliable measurement and can it direct individuals with no experience to a specific roller density?

Scott W. Cheatham, PT, DPT, PhD
Kyle R. Stull, DHSc, MS, LM
Morey J. Kolber, PT, PhD

Contents

JCCA Vol 62 No 3 ISSN 0008-3194 (Print) and ISSN 1715-6181 (Electronic)

-
- 170 Effects of local vibration therapy on various performance parameters: a narrative literature review
Darrin Germann, BSc (Hons), DC
Amr El Bouse, BKin (Hons), DC
Jordan Shnier, DC
Nader Abdelkader, BSc, DC
Mohsen Kazemi, RN, DC, MSc, FRCCSS(C), FCCPOR(C), PhD
- 182 Conservative management of femoral anterior glide syndrome: a case series
Chris Grant, BSc, DC
Jason Pajaczkowski, BSc, DC, FRCCSS(C), FCCPOR(C)
- 193 Post-operative rehabilitation of a distal biceps brachii tendon reattachment in a weightlifter: a case report
Matt Wentzell, BKin, DC
- 202 Symptomatic os trigonum in national level javelin thrower: a case report
Spencer Bell, DC, MASc
Cameron Borody, DC, FRCCSS(C)

Editorial Board

Alan H Adams, DC
Texas Chiropractic College
Pasadena, Texas

Carlo Ammendolia, DC, PhD
University of Toronto

Paul Bruno, DC, PhD
Faculty of Kinesiology and Health
Studies
University of Regina

Brian Budgell, DC, PhD
CMCC

Jason Busse, DC, PhD
McMaster University

Carol Cancelliere, DC, PhD
Toronto, Ontario

Scott Cheatham, PT, DPT, PhD(C), ATC
California State University
Dominguez Hills
Carson, California.

Raphael K Chow, MD, FRCP(C)
University of Toronto

Colin M Crawford, B App Sc (Chiro),
FCCS(C), MSc, Grad Dip Neuro, MB BS
Perth, Australia

Edward Crowther, DC, EdD
Anglo-European College of
Chiropractic
Bournemouth, England

Diana De Carvalho, DC, PhD
Memorial University
St. John's, Newfoundland

Martin Descarreaux, DC, PhD
Université du Québec à Trois-Rivières

John A. Dufton, DC, MSc, MD, FRCP
Staff Radiologist
University Hospital of Northern
British Columbia
Prince George, British Columbia

Peter Emary, BSc, DC, MSc
Cambridge, Ontario

Mark Erwin, DC, PhD
University of Toronto

Brian Gleberzon, DC, MHS
CMCC

Richard Goldford, BSc, DC, MBA,
FRCCSS(C), FCCP(C)
Toronto, Ontario

Bart Green, DC, MEd, DACBSP
Naval Medical Center, San Diego
San Diego, California

David Gryfe, BSc, DC, FRCCSS(C)
Etobicoke, Ontario

François Hains, DC, FCCS(C), MSc
Dorval, Québec

Scott Haldeman, DC, MD, PhD, FRCP(C)
University of California
Irvine, California

Jill Hayden, DC, PhD
Dalhousie University
Halifax, NS

Walter Herzog, PhD
University of Calgary

Scot Howitt, BA, CK, MSc, DC, FRCCSS(C),
FCCP(C)
CMCC

Thomas E Hyde, BA, DC, DACBSP
N Miami Beach, Florida

Claire Johnson, DC, MEd, DACBSP
National University of Health Sciences
Lombard, Illinois

Clark R Konczak, MSc, DC, DABCO,
FCCO(C), FRCCSS(C)
Victoria, BC

Deborah Kopansky-Giles, DC, FCCS(C),
FICC, MSc

St. Michael's Hospital
Toronto, Ontario

Doug M Lawson, BA, DC, MSc
D'Youville College

Cynthia Long, PhD
Palmer Centre for Chiropractic
Research
Davenport, Iowa

Michelle Mick, DC, DACBR
St. Paul, Minnesota

Silvano Mior, DC, FCCS(C), PhD
CMCC

Robert D Mootz, DC
Associate Medical Director for
Chiropractic, State of Washington
Department of Labor and Industries
Olympia, WA

Bernadette Murphy, DC, PhD
University of Ontario Institute of
Technology

Martin Normand, DC, PhD
UQTR

Jason Pajaczkowski, BSc, BS, DC,
FRCCSS(C), FCCP(C)
CMCC

John A. Papa, DC, FCCP(C)
New Hamburg, Ontario

Steven Passmore, DC, PhD
Faculty of Medicine
University of Manitoba

Stephen Perle, DC, MS
University of Bridgeport
Bridgeport, CT

Mathieu Piché, DC, PhD
UQTR

John J Riva, DC, MSc
Department of Family Medicine
McMaster University
Hamilton, Ontario

Sandy Sajko, DC, MSc, RCCSS(C)
Oakville, Ontario

John Z Srbely, DC, PhD
University of Guelph

Brynne Stainsby, BA, DC, FCCS(C)
CMCC

Igor Steiman, MSc, DC, FCCS(C)
CMCC

John S Stites, DC, DACBR
Palmer College of Chiropractic
Davenport, Iowa

Gabrielle M van der Velde, BSc, DC,
FCCS(C), PhD
Toronto Health Economics
and Technology Assessment
Collaborative
University of Toronto

Carol Ann Weis, DC, MSc
CMCC

Jessica J. Wong, DC, MPH, FCCSC
CMCC