
ABSTRACTS OF ACC CONFERENCE PROCEEDINGS

Peer Review Information and Acknowledgments for ACC-RAC 2012

Claire Johnson

PLATFORM PRESENTATIONS

The chiropractic care of children in Europe: results from a practice-based research network:

Joel Alcantara, Jeanne Ohm

Prevalence of chronic non infectious diseases among elderly patients who seek chiropractic care:

Lucia Maria Andreis, Thiana Paula Schmidt dos Santos, Marta Casagrande Saraiva

Effect of treatment dosage on the therapeutic efficacy of spinal manipulation for low back pain (lbp): a systematic review:

Brian Arthur, Jeffrey Quon, Paul Bishop

Publication rates of abstracts presented at Association of Chiropractic Colleges/Research Agenda Conference meetings between 2002 and 2008:

Barclay Bakkum, Cynthia Chapman

Sonographic assessment of the normal suprascapular nerve and inferior belly of the omohyoid muscle:

Patrick Battaglia, Daniel Haun

Is interprofessional education a common factor in chiropractic continuing education?

Edward Bednarz, Anthony Lisi

Investigating high quality interactive applications for value added teaching:

Judy Bhatti, Mary Frost, Elissa Twist

Self-perceived skills confidence: a follow-up study of chiropractic students in the early phases of a college's clinic program:

Debra Bisiacchi, Dovid White

Trunk neuromuscular responses to a single whole-body vibration session in patients with chronic low back pain: a cross-sectional study:

Jean-Alexandre Boucher, Jacques Abboud, Jean-Daniel Dubois, Elise Legault, Martin Descarreaux, Yves Henchoz

Non-physician screening of low back or low back related leg pain patients referred for surgical assessment: a survey of Canadian spine surgeons:

Jason Busse, John Riva, Jennifer Nash, Sandy Hsu, Charles Fisher, Eugene Wai, David Burnarski, Jeffrey Quon, Brian Drew, Stephen Walter, Paul Bishop, Raja Rampersaud

Impact of guideline dissemination strategies among chiropractors enlisted in a provider network in the United States: interrupted time series with segmented regression analysis:

André Bussi eres, Anne Sales, Timothy Ramsay, Steven Hilles, Jeremy Grimshaw

Ethnicity differences in serum levels of 25-hydroxyvitamin D and parathyroid hormone and bone mineral density among healthy individuals:

Weiwen Chai, Robert Davidson, Martha Kaeser, Norman Kettner

Complying with CCE meta-competencies 6 and 7 through the development of an EBCP educational module with an emphasis on a comparative analysis of two systematic reviews:

Gregory Cofano, Kimberly Keene, Heather Bowyer, Edward Pappagallo, Jacqueline Beres

Utilizing learner response systems to enhance student learning and retention in the basic science classroom:
Alena Coleman, Shahla Abghari

How reliable are manual therapists' procedures in detecting positional asymmetry of the PSISs?
Robert Cooperstein

Intraexaminer reliability of compressive leg checking and correlation with the sit-stand test for anatomic leg length inequality:
Robert Cooperstein, Morgan Young, Baljinder Gill

The correlation of the arm-fossa test with other sacroiliac findings: A feasibility study:
Robert Cooperstein, Charles Blum, Elaine Cooperstein

Impact of the implementation of evidence-based guideline in a university outpatient chiropractic clinic:
Genevieve Cote, Jean-Daniel Dubois, Alexandra Ladouceur, Martin Descarreaux

Zygapophyseal joint space gapping in low back pain patients following spinal manipulation:
Gregory Cramer, Jerrilyn Cambron, Joe Cantu, Jennifer Dexheimer, Judith Pocius, Douglas Gregerson, Michael Fergus, Ray McKinnis, Thomas Grieve

Muscle activation onset timing recorded during HVLA spinal manipulation – a methodological comparison:
Stuart Currie, Casey Myers, Brian Enebo, Bradley Davidson

Utilization of non-surgical spinal decompression therapy in a chiropractic college outpatient teaching clinic:
Dwain Daniel, Michael Ramcharam, Amy Wright

A pilot survey of chiropractors' attitudes toward and use of radiography in clinical practice:
Lydia Dever, Michael Tomasello, Rueben Carter

School bags and musculoskeletal health in secondary school children: A cross sectional cohort study:
Morna Dodd, James O'Dell, Adrian Hunnisett, Christina Cunliffe

Surveys as a method for informing a chiropractic technology program curriculum:
Cathy Eberhart, Stacie Martel

Mechanical behavior of sacral and iliac cartilage under compression:
Dennis Enix, Douglas Smith

Lumbar spine analogues data repeatability under biomechanical testing:
Martha Funabashi, Gregory Kawchuk, Mojtaba Azadi

The effect of single session of muscle-biased therapy on pain sensitivity: a systematic review of randomized controlled trials:
Charles Gay, Meryl Alappattu, Mark Bishop

Feasibility study evaluating a checklist tool for simulation:
Dominic Giuliano, Marion McGregor

Frequency of use of diagnostic and manual therapeutic procedures of the spine taught at the Canadian Memorial Chiropractic College: A preliminary survey of chiropractors. Part 2 – procedure usage rates:
Brian Gleberzon, Kent Stuber

The effect of a semi-customized, dual-contoured pillow on muscle activation, posture and contact pressures of the head and neck:
Diane Grondin, John J. Triano, Steven Tran

Assessing critical thought in a chiropractic program:
Joseph Guagliardo

Instantaneous rate of loading during manual high velocity low amplitude spinal manipulations:
Maruti Ram Gudavalli

Sonography of the injured anterior talofibular ligament:
Daniel Haun, Eve Bonic, Norman Kettner

Rubric referenced self-assessment vs. traditional way in students' anatomy laboratory learning:
Xiaohua He, Ali Rabatsky

GPA as a predictor of performance on a high stakes comprehensive competency assessment:

Glori Hinck, Thomas Bergmann, Brent Leininger

Altered brain morphometry in carpal tunnel syndrome is associated with peripheral nerve pathology:

Norman Kettner, Yumi Maeda, James Sheehan, Jieun Kim, Steve Cina, Christina Malatesta, Jessica Gerber, Claire McManus, Pia Hugus

A proposed bioethics curriculum for accredited chiropractic colleges:

Stuart Kinsinger

Continuing education for professionals on ethics and boundaries: a survey of the chiropractic profession:

Stuart Kinsinger

Promoting health in the third world through very low-cost, open-access, online education: an innovative learning methodology:

Ron Kirk

Development and implementation of a web-based learning management system at a complementary and alternative health sciences university:

Anupama Kizhakkeveetil, Kevin Rose, Michael Rocke

An ultrasound-kinematic based system for spinal deformity assessment:

Terry Koo, Jingyi Guo

Perspectives on complementary therapies on sports injuries: A retrospective survey of UK triathletes:

Linda Kuhlmann, Adrian Hunnisett, Christina Cunliffe

iPilots, digital natives and digital immigrants: a pilot project using iPads in a chiropractic college setting:

Dana Lawrence, Rita Nafziger, Dan Weinert

Differences in clinical approach between dentists and chiropractors analysing the same set of temporomandibular joint dysfunction cases:

Alexander Lee, Wendy Mok, Katherine Siu, Hilary Kwan, Linda Li

Predictors of National Board of Chiropractic Examiners (NBCE) performance:

Angela Reeves McCall, Richard Harvey

Impact of provincial subsidy changes on chiropractic utilization in Canada:

Emily McManus, Silvano Mior

Management of patients with sacroiliac joint pain: a prospective observational cohort study:

Donald Murphy, Eric Hurwitz

The use of cervical manipulative therapy in the presence of spinal cord compression: a case series:

Donald Murphy, Eric Hurwitz, Rick Morris

A case-based approach to pharmacology using wikis as a collaborative tool:

Lia Nightingale

Utilization of an iPad throughout a nutrition curriculum:

Lia Nightingale

Physiological responses to spinal manipulation therapy: are electromyographic responses related to peak force?

François Nougrou, Constance Deslauriers, Claude Dugas, Martin Descarreaux

Using educational videos to teach spinal manipulation:

Karen Numeroff, Linda Mullin, Susan Esposito

What happened to the DREEM? – A follow up of the educational environment:

Per J. Palmgren, Gunnar Nilsson, Klara Bolander Laksov

The impact of lumbar spinal stenosis on lower extremity motor control: using movement to measure function:

Steven Passmore, Valerie Pelleck, Alyson Gysel, Michael Johnson, Dean Kriellaars, Cheryl Glazebrook

Long-term study of chiropractic care for older adults: a report on feasibility and baseline characteristics:

Mark Pfefer, Richard Strunk, Stephan Cooper, Derrick Dube

Changes in vertebral artery blood flow following various head positions and manipulation:

Jairus Quesnele, John Triano, Greg Wells

The Chiropractic Hospital-based Interventions Research Outcomes (CHIRO) study – part 2: the consistency of outcomes between chiropractors treating patients with acute lower back pain:

Jeffrey Quon, Paul Bishop, Brian Arthur

The effect of prolonged waiting times on improvement after operative treatment of sciatica due to acute lumbar disc herniation:

Jeffrey Quon, Boris Sobolev, Adrian Levy, Charles Fisher, Jacek Kopec, Marcel Dvorak, Martin Schechter

Pain assessment preference among Latinos:

Michael Ramcharan

Appropriate ordering of diagnostic imaging studies for specific conditions amongst DCs: A pilot study:

Joshua Rhodes, Kathleen Linaker

The use of debate as an active learning strategy in a chiropractic classroom:

Drew Rubin, Lisa Rubin

Maintaining significant partnered relationships in a chiropractic educational setting:

Lisa Rubin

Asymmetry of vertical ground reaction forces during walking in adults with chronic low back pain, before and after chiropractic care:

Brent Russell, Mark Geil, Jianhua Wu, Kathryn Hoiriis

Doctors of chiropractic self-reported practice patterns and attitudes toward interdisciplinary co-management of older adults with back pain:

Stacie Salsbury, Kevin Lyons, Cynthia Long, Maria Hondras, Robert Vining, Lisa Killinger, Christine Goertz

Is an interview enough? Using competency based assessment as part of faculty clinician selection at a chiropractic college:

David J Schimp, Barry C Wiese

Predictors of performance of students in biochemistry in the doctor of chiropractic program:

Kathryn Shaw, Christopher Meseke, Veronica Dishman

Patient and payment sources of Palmer College of Chiropractic's teaching clinics:

Gregory Snow, Makani Lew

The impact of the 2012 Arctic Winter Games on athletes' health behaviours: a cross-sectional survey:

Brynne Stainsby, Steven Piper

Does muscular strength and power of second year chiropractic students correlate with peak force-production during a maximal effort bilateral hypothenar contact manipulation? A pilot study:

David Starmer, Robert Morano, Ashley Sweeney, Peter Miele, Sean Netley

Participation strategies and student performance: a case study:

David Starmer, Sean Duquette, Loretta Howard

Does soft tissue compliance of thoracic para-spinal musculature change based on body type?

David Starmer, Sean Duquette, Brynne Stainsby

Clinical, demographic, and geographic determinants of variation in chiropractic episodes of care for adults using the 2005-2008 Medical Expenditure Panel Survey:

Joel Stevans, Marc Zodet

Student perceptions on the effectiveness of clinical reasoning teaching strategies:

Dorrie Talmage, Nancy Peterson, Steve Foster

Modification of a computer-based patient simulation program: expanding case learning options in a chiropractic curriculum:

Dorrie Talmage, Jeffrey Weiss, John Mrozek

Differences between Learning and Study Strategies Inventory subtest and factor scores and grade point averages for chiropractic students tested in trimesters one and seven:

Rodger Tepe, Christine Schutz, Leanne Dalton

The effects of dietary modification and whole food supplements on cardiovascular disease risk factors in overweight and obese adults with total cholesterol over 180:

Rodger Tepe, Robert Davidson

Pilot study on the impact of student feedback using in-depth interviews on assessment and achievement of student learning outcomes:

Noni Threinen, Mike Sackett, Victoria Hamdi, Jenna Uyeno, Samaneh Sadri

Student iPad use in a neuromusculoskeletal diagnosis course: The influence of iPads on course grades and student opinions and attitudes toward iPads in the classroom:

Michael Tunning, Christopher Roecker, Robert Rowell, Michael VanNatta

Prevalence of radiographic findings in a chronic low back pain population:

Robert Vining, Eric Potocki, Ian McLean, Michael Seidman, Paige Morgenthal, James Boysen, Christine Goertz

Systematic review of the use of complementary and alternative medicine by non-Hispanic blacks:

John Ward, Carol Webb, Kelley Humphries

Acute cardiovascular response to atlas manipulation:

John Ward, Jesse Coats, Ken Tyer, Shauna Weigand, Gabby Williams, Danielle Cockburn

Thoracolumbar spinal manipulation impact on exercise performance:

John Ward, Jesse Coats, Michael Ramcharan, Kelley Humphries, Tammy Tong, Cheuk Chu

Immediate effects of anterior upper thoracic spine manipulation on cardiovascular response:

John Ward, Jesse Coats, Ken Tyer, Shauna Weigand, Gabby Williams

Plantar fascia dynamics in runners and walkers:

Aaron Welk, Daniel Haun, Thomas Clark, Norman Kettner

Trends in the use and cost of chiropractic spinal manipulation under Medicare Part B:

James Whedon, Yunjie Song, Matthew Davis

Within-day and between-day reliability of spinal stiffness measurements using a mechanical indentation device in individuals with and without low back pain:

Arnold Wong, Gregory Kawchuk, Eric Parent, Narasimha Prasad

The development of a critical appraisal tool for the quantitative assessment of case reports:

Shari Wynd, Kent Stuber, Eric Hurwitz, Al Adams, Nancy Petersen

Test anxiety and academic performance in chiropractic students:

Niu Zhang, Charles Henderson

The 2008 prevalence of chiropractic use in the United States adult population:

Marc Zodet, Joel Stevans

POSTER PRESENTATIONS

Musculoskeletal physical outcome measures in individuals with tension-type headache: A review:

Jacques Abboud, Andrée-Anne Marchand, Karin Sorra, Martin Descarreaux

The use of Patient Reported Outcomes Measurement Information System (PROMIS) to determine the quality of life of pregnant patients presenting for chiropractic care within a practice-based research network:

Joel Alcantara

Autonomic modulation from hemispheric designed chiropractic receptor-based manipulative therapies: a case study:

Derek Barton, David Rosenthal, Benjamin Behrendt

Case-based discussion: enhancing student learners' clinical reasoning through a work-based assessment tool:

Victor Benavides, Amy Wright

- A retrospective file review on the possible effectiveness of the Advanced Orthogonal Procedure in the care of patients with headaches:
Aaron Bernard, Joel Alcantara, George Stanford Pierce, George Stanford Pierce Jr
- A retrospective file review on the possible effectiveness of the Advanced Orthogonal Procedure in the care of patients with low back pain:
Aaron Bernard, Joel Alcantara, George Stanford Pierce, George Stanford Pierce Jr
- Chiropractic and dentistry- the need for mutual understanding of tmd co-treatment: a case report:
Charles Blum, Rebecca Griffiths
- A comprehensive learning series on yellow flags for the DC and DC student:
Teresa Brennan
- Medicare beneficiary double lumbar spinal surgical intervention cost comparison with positive outcome measures using a chiropractic manual medicine management approach:
Thomas Brodar, Eric Gren
- The use of chiropractic manipulation in the post-surgical spine:
Christopher M. Coulis, Anthony J. Lisi
- Changes in symptomatological intensity in women with primary dysmenorrhea after chiropractic spinal manipulation treatment:
Fábio Dal Bello, Ricardo Fujikawa, Ricardo Souza de Carvalho
- Congenital spinal anomalies-a comparative study:
Eva Elsangak, Kathleen Linaker
- The use of vestibular rehabilitation therapies in traumatic brain injury to improve balance, station and gait:
Susan Esposito, Linda Mullin, Frederick Carrick
- Sitting disc technique and the relationship to the straight leg raise: A retrospective case series of thirty patients:
Harvey Getzoff
- Identification of suspicious skin lesions in chiropractic practice: A cross sectional study:
Sara Glithro, David Newell, Adrian Hunnisett, Christina Cunliffe
- Avulsion fracture of the iliac crest apophysis in a 15 year-old football player:
Stephen Grand, Matthew Richardson
- Evaluation of transcutaneous electrical nerve stimulation (TENS) vs. biofreeze in the treatment of back pain:
Jay Greenstein, Barton Bishop, Jena Etnoyer, Robert Topp
- Association between heart rate variability and novel pulse rate variability methods:
John Hart
- Is Collaborative practice a feature of chiropractic education? A baseline survey:
Navine Haworth, Barry Draper
- Prevalence of non-musculoskeletal versus musculoskeletal cases in a chiropractic student clinic:
Bruce Hodges, Jerrilyn Cambron, Rachel Klein, Dana Madigan
- Case report: A patient with low back pain and somatic referred pain concomitant with intermittent claudication in a chiropractic practice:
Kathryn Hoiriis, Brent Russell
- Defining and measuring quality in chiropractic health care: toward six sigma success:
Nicole Homb, Shayan Sheybani
- Diagnosis and serial sonography of a proximal fifth metatarsal stress fracture:
Martha Kaeser, Patrick Battaglia, Norman Kettner
- Thyroid carcinoma: incidental finding while assessing cervical lymphadenopathy:
Martha Kaeser, Jinpu Li, Norman Kettner
- Proximal tibiofibular ganglion cyst in a recreational runner : a case report:
Ismat Kanga, Paula Stern, Dominic Giuliano

Resolution of hearing loss after chiropractic manipulation:

Kimberly Keene, Melissa Ferranti, Chelsea Prothero

The Khmer translation and cross-cultural adaptation of the Patient-Reported Outcome Measurement Information system (PROMIS) global health survey:

Kim Khauv, Maliny Taing

Coiling and kinking of internal carotid arteries in upper cervical area - a case report:

Pil-Woo Kim, Kathryn Hoiriis

Integrative complementary and alternative medical care for low back pain: a systematic review:

Anupama Kizhakkeveetil, Kevin Rose, Gena Kadar

Attitudes towards vaccination: A follow up survey of students at the Canadian Memorial Chiropractic College:

Marlee Lameris, Catherine Schmidt, Brian Gleberzon, Jillian Ogrady

A rare case of a large dermoid cyst and staghorn calculi:

Melissa Loschiavo, Marni Capes, R. Bruce Fox

The use of social media among a random sample of Ontario chiropractors:

Stephen Malone, Brian Gleberzon, Marc Cerulli, Thomas Osmond

Essential literature for the chiropractic profession:

Barbara Mansholt, John Stites, Dustin Derby, Ron Boesch

A pediatric case of McCune-Albright syndrome in a 5 year old female at a chiropractic teaching clinic:

Kenice Morehouse, Stephen Grand

Successful management of chronic shoulder impingement syndrome with multi-modal chiropractic care and home exercise: a case report:

Adam Morrell

Salter Harris II fracture of second proximal phalanx of toe: a chiropractic perspective:

Mark Murdock

Utilization of diagnostic ultrasonography in the evaluation of osseous fractures of the appendicular skeleton: a review of literature:

Stephanie Mussmann

Knowledge of assessment and management of headaches: a survey of chiropractic interns:

Mark Pfefer, Stephan Cooper, Jon Wilson, Derrick Dube, Richard Strunk

Acute spinal cord compression resulting in myelomalacia: a case report:

Steven Piper, Janet Walters, Glen Harris

Tibial plateau fracture following ACL reconstruction: co-management of a rare complication:

J. Ali Rabatsky

The sonographic squeeze test: assessing reliability of the of the dorsal scapholunate ligament:

Kenneth Reckelhoff, Thomas Clark, Norman Kettner

Chiropractic management of trigeminal neuralgia: a case study:

Robert Rectenwald

The association between body mass index and response to spinal manipulation for patients with subacute and chronic low back pain:

Christopher Roecker, Joel Pickar, Dana Lawrence, Robert Vining, Cyndy Long

A case of breech repositioning unresponsive to Webster Technique: coexistence of oligohydramnios:

Christopher Roecker

Comminuted scapular body fractures: a report of three cases managed conservatively in chiropractic settings:

Julie Scarano, Matthew Richardson, John Taylor

The role of chiropractic in collective health: the perspective of chiropractors:

Thiana Paula Schmidt dos Santos, Lucilda Selli, Marta Casagrande Saraiva

Pregnancy, sacroiliac joint laxity, and the SOT category two pelvic distortion: A case series:

Rodney Shelley, Charles Blum

An integrated approach to the management of temporal mandibular dysfunction: a case study:

Peter James Shipka

Does participating in a simulated cardiac arrest scenario, using high fidelity manikins, improve an intern's technical emergency care skills? A case study:

David Starmer, Sean Duquette, Dominic Giuliano, Kevin Finn, Andrew Miners, Anthony Tibbles

The effects of multimodal chiropractic care on pain and disability in a patient diagnosed with benign joint hypermobility syndrome and chronic pain: A case report:

Richard Strunk, Mark Pfefer, Curtis Fletcher

Patient perceptions of access and benefits of chiropractic: A qualitative study:

Shelagh Taggart, Adrian Hunnisett, Christina Cunliffe

A survey of chiropractic physicians' practices for patient history, physical exam, and diagnosis:

Rodger Tepe, Chabha Tepe

A single blind one group pretest-posttest pilot study of the effects of active release technique on cervical and thoracic range of motion:

Rodger Tepe, Lindsay Roseman, Hans Hengel, Jane Oschner-Ndessokia, Daniel Jablonski

An observational study of "normal" and "best" posture in normal weight, overweight, and obese chiropractic college students:

Rodger Tepe, Deborah England, Holly Tucker, Sara Jerman, Jacquelyn Bowman-Garrett

A case study: Gonstead chiropractic care in a patient with brachial plexus dysfunction:

Michael Tomasello

Treatment of a patient with post cortical atrophy with chiropractic manipulation and dynamic neuromuscular stabilization (DNS): A case report:

Michael Tunning, Vinicious Francio, Ron Boesch

The association between low back pain and bowel and bladder dysfunction: a narrative review:

Anna Walden

Comparison of other palpation techniques of the thoracic spine to the motion palpation technique: a pilot study:

Paul Wanlass, Anupama Kizhakkeveetil, Kevin Rose, Gina Hamilton, Mark Losack, Jeremy Summers, Beth Dominicus

Chiropractic management of an equestrian athlete with sacroiliac dysfunction and muscle imbalance: a neurotensegrity approach:

David Ward, Tasmin Fanning

Lumbar spine manipulation impact on VO2max:

John Ward, Jesse Coats, Michael Ramcharan, James Zuniga, Cheuk Chu

Pilot study of the impact sacroiliac joint manipulation has on leg length inequality:

John Ward, Jesse Coats, Ken Sorrels, Matthew Walters, Trevor Williams

Resolution of migraine headaches with a comprehensive care plan: a case report:

Howard Wasdin, Catherine O'Neill

A survey of current attitudes among chiropractic students and clinical faculty:

Jon Wilson, Mark Pfefer, Stephan Cooper, Richard Strunk

Changes in clinical and radiographic parameters after a two-week regimen of chiropractic manipulation combined with soft tissue therapy and neuromuscular rehabilitation in 7 adult patients with idiopathic scoliosis:

Alan Woggon, Daniel Martinez

Delivering quality chiropractic care to a cerebral palsy patient in an outpatient teaching clinic: a case report:

Amy Wright, Victor Benavides