NCMIC FOUNDATION
Publications and Presentations

Publications

Articles in Submission:


Reist J, Zahn B, Onyeche O, Shannon ZK, Casteel C, Kennelty K. Incorporation of an efficient pharmacist workflow during the transition from in-person to telehealth geriatric clinics in response to the COVID-19 pandemic (in review)

Shannon ZK, Reist J, Kennelty K, Zahn B, Casteel C. Older description of prescribed medications and potentially inappropriate medications of adult Farmers in Iowa (in submission)


Agarwal A, Emary PC, Gallo L, Oparin Y, Shin SH, Fitzcharles M, Adachi JD, Cooper MD, Craigie S, Guyatt GH, Busse JW. Physician attitudes towards the nature and management of fibromyalgia: a systematic review [In Progress].


**Articles in Peer-Reviewed Journals**

**2023**


**2022**


Schueren S, Hunger H, Pham H, Smith DL, Layne C, Malaya CA (2022) Immediate effect of lower extremity joint manipulation on a lower extremity somatosensory illusion: a randomized,


2021


2020


Bills KB, Brundage J, Yorgason J, Steffensen S. Peripheral mechanoreceptor activation modulates mesolimbic GABA and dopamine neurons and ameliorates withdrawal symptoms in ethanol dependent rats. *Proceedings of the 11th World Congress of Neurorehabilitation* (2020) 11 (352)


(1e2 weeks): a GRADE concept paper. *Journal of Clinical Epidemiology* 129 (2021) 1e11.


2019


Vining RD, Minkalis AL, Shannon ZK, Twist EJ. Development of an Evidence-Based Practical Diagnostic Checklist and Corresponding Clinical Exam for Low Back Pain. *J Manipulative Physiol Ther.* 2019;42(9):665-676. doi:10.1016/j.jmpt.2019.08.003


Bernstein C, Wayne PM, Rist PM, Osypiuk K, Hernandez A, Kowalski M. Integrating


Schneider MJ, Ammendolia C, Murphy DR. Comparative clinical effectiveness of nonsurgical


2018


Peng T, Perez A, Pettee Gabriak K. The association between overweight, obesity and low back


2017


team-based learning implementation in a chiropractic curriculum. *J Chiropr Educ* 2017;00(0):75.


2016


Rhee TG, Evans R, McAlpine DD, & Johnson PJ. Racial/ethnic differences in the use of complementary and alternative medicine among adults with moderate mental distress: Results from 2012 National Health Interview Survey.

Jou J & Johnson PJ. Non-disclosure of complementary and alternative medicine (CAM) use to usual care providers: Analysis of the 2012 National Health Interview Survey.


2015

national survey. *J Canadian Chiro Assoc. Accepted for publication.*


Delagran L, Vihstadt C, Evans, R. Aligning Theory and Design: The Development of an Online Learning Intervention to Teach Evidence Based Practice for Maximal Reach. *Global Advances*


2014


Gay CW, Bishop MD. Research on Placebo Analgesia is Relevant to Clinical Practice. *Chiropr Man Therap.* 2014; 22(1)


2013


2012


2011

Dagenais S. Estimating the return on investment from developing and operating a utilization review program for health services related to low back pain in a health plan in the United States (Master’s dissertation). London School of Economics and Political Science, 2011.


2010


2009


2008


2007

Schwarz I, Hondras MA. A survey of chiropractors practicing in Germany: practice characteristics, professional reading habits, and attitudes and perceptions toward

2005


**Books & Chapters**


**Conference Proceedings**

2020


2019


2018


Trent Peng, "Utilization of chiropractic care in U.S. children and adolescents: results from the 2012 NHIS. [Platform Presentation accepted for 2018 ACC/RAC Conference, Dallas, TX], awarded as the Best Scientific Paper at the conference.

Keila Nichols. Two sisters with plagiocephaly accompanied by torticollis - one treated with a cranial orthosis (DocBand); the other with Sacro Occipital Technique (SOT) Cranial Therapy: a comparative case report. [Platform Presentation accepted for 2018 ACC/RAC Conference, Dallas, TX]

Kathleen Perry. Unresponsiveness to sacro occipital technique (SOT) procedures suggested possible pathological contribution to patient presentation: A case report. [Platform Presentation accepted for 2018 ACC/RAC Conference, Dallas, TX.]

Rick Serola, Charles Blum. Sacroiliac joint myoligamentous interrelationships: Implications of sacral nutation dysfunction on whole body kinematics. [Platform Presentation accepted for 2018 ACC/RAC Conference, Dallas, TX.]

Thomas Bloink, Charles Blum. Chiropractic care for TMJ and extreme tongue fatigue: A case report. [Platform Presentation accepted for 2018 ACC/RAC Conference, Dallas, TX.]

William Boro. Intervention in gall bladder dysfunction through chiropractic adjustment and nutritional therapy: a case report. [Poster Presentation accepted for 2018 ACC/RAC Conference, Dallas, TX.]

Charles Blum. Chiropractic care of a rock climber's shoulder with FHP (forward head posture): A case report. [Platform Presentation accepted for 2018 ACC/RAC Conference, Dallas, TX.]

John Edwards, Jeanne Ohm, Charles Blum. Identifying the frequency of perinatal sacroiliac hypermobility indicators in a chiropractic clinic. [Platform Presentation accepted for 2018 ACC/RAC Conference, Dallas, TX.]

Rachel Hamel. SOT cranial therapy for the treatment of abnormal sensations of the tongue, tinnitus, TMD and neck pain. [Platform Presentation accepted for 2018 ACC/RAC Conference, Dallas, TX.]

2017


Bills K. Effects of Aerobic Exercise Intensity on Dopamine Release in the Nucleus Accumbens. Graduate Research Fair, Brigham Young University (2017)

Bills K. Changes in evoked dopamine release in the nucleus accumbens with moderate exercise” Grad Expo, Brigham Young University, Provo, UT (2017)

Anderson B. Examining medical claims data on the utilization of chiropractic services for treatment of low back pain to determine risk of treatment escalation. 2017 APHA, Atlanta, GA

Remeta EM. Chiropractic sacro-occipital technique (SOT) and cranial treatment model for traumatic brain injury along with monitoring and supplementing for neurotransmitter balance: A case report. 3rd International Conference on Neurological Disorders and Brain Injury. April 18-19, 2017 London, UK.


Bloink T, Blum C. Chiropractic as part of an interdisciplinary team for the care of a patient with an orbital pseudo tumor: A case report. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.

Blum C. B6 hypervitaminosis during pregnancy with neurological symptoms: A case report. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.

Blum C. Chiropractic conservative care of a patient presenting with carpal tunnel syndrome: A case report. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.

Boro W. Relief of neurological symptoms secondary to surgical removal of thoracic astrocytoma and laminectomy by category I block placement: a case report. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.

Esposito V, Sr, Esposito V, Jr, Blum C. Trauma induced severe refractory motion sickness disorder treated with sacro occipital technique, applied kinesiology, and cranial chiropractic care: A case report. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.


Getzoff H, Blum C. Anterior thoracic adjusting and the relationship to cervical flexion: a retrospective case study of twenty-four patients. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.

Gleberzon B, Roecker C, Good C, Blum C, Cooperstein R. Toward a Standardized Chiropractic Technique Program: Consensus Results of Two Inter-Collegiate Workshops. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.


Hamel R, Rahimi M, Blum C. Sacro-occipital technique (SOT) cranial therapy with an occlusal splint for the treatment of fibromyalgia and obstructive sleep apnea with blocked sinus. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.


Klingensmith R, Blum C. Chiropractic manipulative reflex technique (CMRT) treatment for GERD of a 3 year-old male child: A case report. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.

Rosen M, Blum C, Rosen E. Chiropractic care of a two year-old diagnosed with
gastroesophageal reflux (GER) and a hiatal hernia (HH): A case report. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.


Scoppa J. Treatment of acute TMJ pain and dysfunction with sacro-occipital technique and cranial techniques. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.

Scoppa, J. Treatment of knee pain in an athlete sprinter with sacro-occipital technique and cranial techniques. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.

Shirazi D, Gerardo R, Blum C. Dental chiropractic interdisciplinary care of three patients with different conditions yet similar symptom presentation: A case series. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.

Sundy D, Blum C. A Multimodal Approach to the Conservative Management of Meniscus Tear. 2017 ACC, RAC, WFC, NCLC, ACA Conferences in Washington DC.

2016


Riva JJ, Klowak J, Elsharawi R, Costa A, Whyte R. Medical student attitudes towards research education and opportunities during their training: a cross-sectional survey at McMaster University. Accepted for a poster presentation to the 2016 Cochrane Colloquium: Seoul, South Korea (Oct 23-27, 2016).

McMaster University, Program for Interprofessional Education, Practice & Research (PIPER) program, McMaster University, Hamilton, ON. (November 5, 2016). Lead presenter, facilitator, panel member for education on the role of chiropractors (in context of Complementary & Alternative Health Care) to an audience of 35 medical, physical therapy, occupational therapy, midwifery, physician assistant and social work learners.

Michael G. DeGroote School of Medicine, Hamilton, ON. (October 20, 2015). Co-presenter 1.5-hour didactic workshop to 2nd year medical students on Complementary & Alternative Medicine, as part of the Professional Competencies curriculum.


Russell BS, Hoiris KT, Hosek RS, Weiner MT. Kinetic and kinematic analysis of walking gait, before and after chiropractic care, following fifth metatarsal fractures. Accepted by ACC-RAC 2016 as platform presentation.

Capes M, Russell BS, Oz M, Hosek RS. Kinetic gait assessment before and after chiropractic lower extremity adjustments. Accepted by ACC-RAC 2016 as platform presentation.

2015


Canadian Chiropractic Association. National Convention, Niagara Falls, ON. (September 18, 2015). Presenter for a 1.5-hour didactic and small-group workshop on excellence in team-based care.


Leininger B. Chronic Neck Pain in Older Adults: Cost-Effectiveness of Spinal Manipulation, Supervised Exercise and Self-Management; *Academy Health 2015*, Minneapolis, MN; June 14-16, 2015.


Evans R, Bronfort G. Comparative Effectiveness Research: Can Randomized Controlled Trials Be More Pragmatic or Should We Use Observational Studies Instead? (Workshop), *The Chiropractic & Osteopathic College of Australia’s 11th Biennial Conference 2015*, Melbourne, Australia; October 9-11, 2015.


Hondras, M, Salsbury S, Nissen N, Johannessen H. Walking sticks for muscle, bone and joint health in rural Botswana: Villager perspectives from the World Spine Care MuBoJo project.

Petrie, MA, Suneja, M, Faidley, E, Shields, RK. Low force contractions induce fatigue consistent with muscle mRNA expression in people with spinal cord injury. APTA CSM 2015

Nate Hinkeldey, Michael Olson, Michael Petrie, and Nicole Ingrando. Interdisciplinary Care Models: Working Together to Benefit the Patient. Palmer College, Florida Homecoming 2015


Petrie MA, McHenry CL, Suneja M, Shields RK. “Muscle Metabolic Gene Expression Following Three Stressors: Mechanical (vibration), Systemic Heat Stress, And Muscle Activation,” American College of Sport Medicine, Annual Conference: Exercise is Medicine 2015


Gay CW, Bishop MD. “Longitudinal assessment of pressure pain sensitivity following an acute muscular injury and manual therapy” Accepted for poster presentation at the 13th WFC Congress, May 13-16th, 2015 Athens, Greece.

2014


Petrie, MA, Johanns, JJ, Kockler, AM, Shields, RK. Muscle Electrical Stimulation Enhances Learning from Unexpected Events induced during a Single Limb Task, American College of Sport Medicine, Annual Conference: Exercise is Medicine 2014
Nate Hinkeldey, Michael Olson, Michael Petrie, and Mike Tunning. Interdisciplinary Care Models: Working Together to Benefit the Patient. Palmer College, Davenport Homecoming 2014

Spurgin K, Gutierrez R, Prien A, Curras-Collazo M. “Cardiovascular toxicity and sympathetic nervous system disruption following developmental exposure to organohalogen pollutant” Center for Neuronal-Glial Interactions (CGNI), University of California, Riverside, January 2014


Spurgin, K., Gutierrez, R., Prien, A., and M. C. Curras-Collazo Sympathetic nervous system disruption following developmental exposure to organohalogen pollutants, Center for Neuronal-Glial Interactions (CGNI), University of California, Riverside, January 2014.


Petrie MA, Johanns JJ, Kockler AM, Shields RK. Muscle Electrical Stimulation Enhances Learning from Unexpected Events induced during a Single Limb Task, American College of Sport Medicine, Annual Conference: Exercise is Medicine 2014


Gay CW, Letzen JE, Craggs JG, Robinson ME, Bishop MD. “Longitudinal assessment of connectivity across resting-state networks in a model of acute low back pain” Poster presentation at the International Association for the Study of Pain’s 15th World Congress of Pain, Buenos Aires, Argentina, October 6-11, 2014


Gay CW, Craggs JC, Robinson ME, Bishop MD, “Changes in resting-state functional connectivity that are related increased pain sensitivity in a model of acute low back pain.” Poster presentation at the American Pain Society 33rd Annual Scientific Meeting, Tampa Florida, April 30-May 3rd, 2014


2013


Spurgin, K., Valdez, M, Kouch, J, Jha, V & Curras-Collazo, M. PACAP: A Modulator of HPA-Axis and Hyperactivity, Experimental Biology, San Diego, April 2013


Spurgin K, Valdez M, Kouch J, Washek J, Curras-Collazo M. “The impact of PACAP gene deletion on genes associated with adrenal corticosterone production in mice” Center for Neuronal-Glial Interactions (CGNI), University of California, Riverside, 2013

Petrie MA, Suneja M, Faidley E, Shields RK. “Acute Electrical Stimulation Induces Differential Expression of Gene Transcripts Related to Glucose Metabolism and Regulation,” American College of Sport Medicine, Annual Conference: Exercise is Medicine 2013


Liu W, Bond B. Imaging markers in chronic back pain and fibromyalgia research: Literature review and pilot data. CTR Seminars, University of Kansas Medical Center, 24 Oct., 2013.

Russell BS, Geil MD, Wu J, Hoiriis KT. Variability of vertical ground reaction forces in adults with chronic low back pain, before and after a limited protocol of chiropractic care. Platform presentation at the annual meeting of the American Society of Biomechanics, September 3-5, 2013, Omaha, Nebraska.


2012


Spurgin, K., Kaprielian, A., Valdez, J., Martinez, B., and Curras-Collazo, MC, Stress raises resting systolic blood pressure and increases adrenal expression of pituitary adenylate cyclase activating polypeptide (PACAP) as well as catecholamine biosynthetic enzymes in rats. (abstract/poster) Center for Neuronal-Glial Interactions (CGNI), University of California, Riverside, Jan, 2012

Gay CW, Horn-Robinson ME, Bishop MD, Robinson ME, Bialosky JE, “The role pain sensitivity and fear play in the relationship between low back pain intensity and disability,”
Poster presentation at 31st Annual Scientific Meeting of the American Pain Society in Honolulu, HI May 18, 2012


Gay CW, Bialosky JE, George SZ, Bishop MD, “Association between the magnitude of temporal summation and current level and duration of low back pain” Poster presentation at APTA Combined Sections Meeting 2012 in Chicago, IL February 10, 2012 : Nominated for Orthopaedic Section Research Poster Award.

2011


2010