

NCMIC FOUNDATION

Publications and Presentations

Publications

Articles in Submission:

Gliedt JA, Cooper JC, Muller R, Martinez S, Eklund A, Schielke A, Pohlman KA. Use of HC-PAIRS as a measure of healthcare providers' attitudes, beliefs, and recommendations for patients with pain: a literature review. *Journal of the Canadian Chiropractic Association*. In peer review.

Hays RD, Shannon ZK, Long CR, Spritzer KL, Vining RD, Coulter I, Pohlman KA, Walter J, Goertz CM. Health-related quality of life among United States service members with low back pain receiving chiropractic plus usual care vs usual care alone: Planned secondary analysis of a pragmatic clinical trial (in review)

Ziegler A, Shannon ZK, Long CR, Vining RD, Walter J, Coulter I, Goertz C. Diagnoses and Chiropractic Services in a Pragmatic Clinical Trial for Low Back Pain Conducted in U.S. Department of Defense Military Treatment Facilities: A Secondary Analysis (in review)

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)

Emary PC, Oremus M, Mbuagbaw L, Busse JW. The association of chiropractic integration in an Ontario community health centre with prescription opioid use for chronic non-cancer pain: a mixed methods study protocol. *BMJ Open*. 2021; [In Review].

Gliedt JA, Walker RJ, Lu K, Dawson AZ, Egede LE. The relationship between patient satisfaction and healthcare expenditures in adults with spine related disorders: An analysis of the 2008-2015 Medical Expenditures Panel Survey (MEPS). *Spine*. Submitted 2/11/2020, 3rd resubmission 7/24/2020.

Connor JP, Bernstein C, Kilgore K, Rist PM, Osypiuk K, Kowalski M, Wayne PM. Perceptions of chiropractic care among women with migraine: A qualitative study. *Journal of Manipulative and Physiological Therapeutics* (Manuscript in press). 2020.

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].

Cupler ZA, Daniels CJ, Anderson DR, Anderson MT, Napuli JG, Tritt ME The chiropractor's

role in primary, secondary, and tertiary prevention of suicide: a clinical guide. *J Can Chiropr Assoc.* 2021 August. Accepted for publication.

Young JJ, Hartvigsen J, Roos EM, Ammendolia C, Kongsted A, Skou ST, Grønne DT, Jensen RK. Symptoms of lumbar spinal stenosis in people with knee or hip osteoarthritis or low back pain: a cross-sectional study of 10,234 participants in primary care. *Osteoarthritis and Cartilage.* 2021. Accepted, in press.

Hansen LS, Young JJ, Hurwitz E, Kopansky-Giles D, Eberspaecher S, Outerbridge G, Hartvigsen J. Musculoskeletal conditions in persons living with HIV/AIDS: a scoping review. *Current Medical Practice.* 2021. Accepted, in press.

Articles in Peer-Reviewed Journals

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, controlled crossover clinical pilot study. *Front. Hum. Neurosci.* 16:1011997. doi: 10.3389/fnhum.2022.1011997

Layne CS, **Malaya CA**, Ravindran AS, John I, Francisco GE, Contreras-Vidal JL. Distinct Kinematic and Neuromuscular Activation Strategies During Quiet Stance and in Response to Postural Perturbations in Healthy Individuals Fitted With and Without a Lower-Limb Exoskeleton. *Front. Hum. Neurosci.* 2022;16:942551. doi: 10.3389/fnhum.2022.942551

Layne CS, **Malaya CA**, Young DR, Suter B, Holder JL Jr. Comparison of Treadmill Gait Between a Pediatric-Aged Individual With *SYNGAP1*-Related Intellectual Disability and a Fraternal Twin. *Front Hum Neurosci.* 2022;16:918918. Published 2022 Jun 22. doi:10.3389/fnhum.2022.918918

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Emary PC, Stuber KJ, Mbuagbaw L, Oremus M, Nolet PS, Nash JV, Bauman CA, Ciraco C, Couban RJ, Busse JW. Risk of bias in chiropractic mixed methods research: a secondary analysis of a meta-epidemiological review. *J Can Chiropr Assoc.* 2022: 66(1) 7-20.

Emary PC, Stuber KJ, Mbuagbaw L, Oremus M, Nolet PS, Nash JV, Bauman CA, Ciraco C, Couban R, Busse JW. Quality of reporting in chiropractic mixed methods research: a methodological review protocol. *Chiropr Man Therap.* 2021; 29(1):35.

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Plachinski S, Gliedt JA, King J, Schneider MJ, Sacho R. Spinal Manipulative Therapy and Cervical Artery Dissection: A Retrospective Comparison Against Spontaneous, Traumatic, and Iatrogenic Etiologies at a Single Academic Medical Center. *Clinical Neurology and Neurosurgery.* 2021 Oct;209:106941. doi: 10.1016/j.clineuro.2021.106941. Epub 2021 Sep 11. PMID: 34547642.

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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.

Rosen M, Blum C, Rosen E. Resolution of a left sided 5th phalangeal 2nd inter-phalangeal joint stenosing tenosynovitis (trigger finger) in a 2 1/2 year-old female: 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

Lisi AJ. Implementation of a novel interprofessional chiropractic clinical residency in the US Department of Veterans Affairs. World Federation of Chiropractic Educational Conference, Montreal, Canada, October 19-22, 2016

Herman PM, Coulter ID. Complementary and Alternative Medicine: Professions or Modalities? Policy Implications for Coverage, Licensure, Scope of Practice, Institutional Privileges, and Research. Presentation at the 2016 International Congress for Integrative Medicine and Health. Las Vegas, May 19, 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. DeGroot 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.

Herman PM, Coulter ID. Complementary and Alternative Medicine: Professions or Modalities? Policy Implications for Coverage, Licensure, Scope of Practice, Institutional Privileges, and Research. Presentation at the 2016 International Congress for Integrative Medicine and Health. Las Vegas, May 19, 2016.

Ammendolia C, Schneider M, Rampersaud YR, Zickmund S, Ham KM, William K, Stuber K, Lane C. 1) Outcomes in Neurogenic Claudication due to Lumbar Spinal Stenosis: Conceptual Framework, 2) Outcomes in Neurogenic Claudication due to Lumbar Spinal Stenosis: Patients' Perspective. International Back and Neck Pain Forum 2016, Keele University, Buxton, Derbyshire, UK, 31 May – 3 June.

Lisi AJ, Brandt CA. Trends in the use of chiropractic services in the Department of Veterans Affairs. Association of Chiropractic Colleges-Research Agenda Conference, Orlando, FL, March 2016.

Salsbury S, Goertz CM, Twist E, Smith V, Lisi AJ. Doctors of chiropractic working in private sector medical facilities: A descriptive survey. Accepted by ACC-RAC 2016 as a platform presentation.

Dougherty P, Killinger L, Hawk C, Schneider M. Best practices in geriatrics (workshop). Association of Chiropractic Colleges-Research Agenda Conference. Orlando, March 2016.

Russell BS, Hoiriis 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

Bitra J, Phung J, Weber II KA, Inoue N, Espinoza Orías AA, Parrish TB. Use of a Novel MRI Compatible Head-Positioning Device for the Three Dimensional Kinematic Analysis of the Cervical Spine in Axial Rotation, American Society of Neuroradiology 53rd Annual Meeting 2015, Chicago, IL.

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.

Pohlman KA, Carroll L, Hartling L, Tsuyuki R, Vohra S. Pediatric chiropractors' attitude and opinion about patient safety culture. *J Chiropr Educ* 2015;29(1):84.

Hewitt E, Pohlman KA, Hestbaek L. Core competencies of the certified pediatric chiropractor: results of a Delphi consensus process. *Oregon Collaborative for Integrative Medicine*, Portland, OR, June 2015.

Schneider MJ, Evans R, Haas M, Leach M, Hawk C, Long C, Cramer G, Walters O, Vihstadt C, Terhorst L. Distance education online intervention for evidence based practice literacy (Platform Presentation). World Federation of Chiropractic Congress - European Chiropractors' Union Convention, Athens, Greece; May 13-16, 2015

Leininger B. Pain reduction and costs of spinal manipulative therapy for older adults with neck pain: a RCT-based cost-effectiveness analysis (Platform Presentation). ACC-RAC 2015, Las Vegas, NV; March 19-21, 2015.

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.

Leininger B. Cost-Effectiveness of Spinal Manipulation (Webinar). Academic Consortium for Integrative Medicine and Health; August 10, 2015.

Evans R. Spinal Manipulation for Chronic Low Back and Neck Pain: Best Evidence Update (Keynote Presentation), The Chiropractic & Osteopathic College of Australia's 11th Biennial Conference 2015; Melbourne, Australia; October 9-11, 2015.

Evans R. Self-Management for Chronic Low Back and Neck Pain: Best Evidence Update and Implications for Practice. (Keynote Presentation), The Chiropractic & Osteopathic College of Australia's 11th Biennial Conference 2015; Melbourne, Australia; October 9-11, 2015.

Bronfort G. Revisiting the Biopsychosocial Model for Chronic Spine Pain. (Keynote Presentation), The Chiropractic & Osteopathic College of Australia's 11th Biennial Conference 2015; Melbourne, Australia; October 9-11, 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.

Riva J, More A. Collaborative Care: A New Paradigm that Ensures Excellence in Patient Care. Canadian Chiropractic Conference, 18 Sep 2015, Niagara Falls, Canada.

Haldeman S, Hondras M. Developing primary spine care: World Spine Care model and protocols [platform presentation]. 13th World Federation of Chiropractic Biennial Congress, Athens, Greece, 15 May 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 [poster]. In: Proceedings of the 13th WFC Biennial Congress, p. 145-6. Athens, Greece, 13-16 May 2015.

Hondras, M, Johannessen H, Hartvigsen J, Myburgh C, Haldeman S. Should healthcare in rural Botswana focus on integration and group activities to ease the burdens associated with muscle, bone and joint disorders? The World Spine Care MuBoJo project [poster]. In: Proceedings of the 13th WFC Biennial Congress, p. 145. Athens, Greece, 13-16 May 2015.

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. Muscle Physiology Review: The use of physiology during patient evaluation and care. 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

Russell BS, Hosek R, Hoiriis KT. Kinetic gait evaluation of three patients with foot and ankle injuries, before and after a limited protocol of chiropractic care [conference abstract]. *J Chiropr Educ*. 2015; 29(1): 103. DOI 10.7899/JCE-14-34.

Dudley-Javoroski S, McHenry CL, Petrie MA, Shields RK. “Bone Architecture Adaptations after Spinal Cord Injury: Impact of Long Term Vibration of a Constrained Lower Limb,” American College of Sport Medicine, Annual Conference: Exercise is Medicine 2015
Michael Petrie, D.C., Ph.Dc. Muscle Physiology Review: The use of physiology during patient evaluation and care. Palmer College, Florida Homecoming 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

Pohlman KA, O’Beirne M, Thiel H, Cassidy JD, Mior S, Hurwitz EL, Westaway M, Ishaque S, Yager JY, Vohra S. Development and validation of instruments to evaluate adverse events after spinal manipulation therapy. *J Altern Complement Med* 2014;20(5):A49.

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

Russell BS, Hosek R, Hoiriis KT, Linkhorn AE. Kinetic evaluation of gait in an injured football player before and after chiropractic care [conference abstract]. *J Chiropr Educ* 2014;28(1):97.

Ron Boesch, Dave Juehring, Michael Petrie, and Mike Tunning. An Overview of Movement Development, Injury and Recovery. Palmer College, Davenport Homecoming 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.

Spurgin, K., Gutierrez, R., Prien, A., and M. C. Curras-Collazo “Developmental PBDE Exposure Increases Blood Pressure and Hypothalamic-Pituitary-Adrenal Axis Activity in Osmotic Challenged Rats” American Autonomic Society, November 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

Hinkeldey N, Olson M, Petrie MA, Tunning M. Interdisciplinary Care Models: Working Together to Benefit the Patient. Palmer College, Davenport Homecoming 2014

Boesch R, Juehring D, Petrie MA, Tunning M. An Overview of Movement Development, Injury and Recovery. Palmer College, Davenport Homecoming 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. “Changes in Resting-State Functional Connectivity following Acute Muscular Injury and Manual Therapy” Oral Presentation at the 2014 Neuromuscular Plasticity Noons, Gainesville, FL July 26th 2014

Gay CW, Letzen JE, Sevel LS, Craggs JG, Bishop MD. “Functional Connectivity between the Default Mode Network and the Insular Cortex mediates the pain sensitivity shifts in a Model of Acute Low Back Pain” Poster presentation at the 9th Annual Neuromuscular Plasticity Symposium Gainesville, Florida, March 14th, 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, April30-May3rd, 2014

Gay CW, Bishop MD, “Functional Connectivity Changes Following Manipulative and Body Based Interventions: A Preliminary Report,” Platform presentation at the Association of Chiropractic Colleges Educational Conference XXI, Orlando Florida, March 20-22, 2014 - Award Winning Submission

2013

Russell B, Geil M, Wu J, Hoiriis K. Asymmetry of vertical ground reaction forces during walking in adults with chronic low back pain, before and after chiropractic care [conference abstract]. *J Chiropr Educ* 2013;27(1):78.

Pohlman KA, Ishaque S, Cassidy JD, O’Beirne M, Vohra S. Validation of a Patient Safety Attitudes Survey for Spinal Manipulation Therapy Providers. *Forsch Komplementmed* 2013; 20(Suppl 1):100.

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, Jha V, Curras-Collazo M. “PACAP: A Modulator of HPA-Axis and Hyperactivity” American Physiological Society 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

Shaffer MA, Petrie MA, Campbell B, Aunan K, McHenry CL, Shields RK. “Age Influences Neuromuscular Performance During a Novel Single Limb Squat Test,” 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.

Russell B, Geil M, Wu J, Hoiriis K. Variability and asymmetry of vertical ground reaction forces during walking in adults with chronic low back pain, before and after chiropractic care [conference abstract]. *Proceedings of the World Federation of Chiropractic, 12th Biennial Congress*, Durban, South Africa, April 10-13, 2013. Page 215.

Gay CW, O’Shea AM, Craggs JG, Bishop MD. “Grey matter density in the primary somatosensory cortex explains individual differences in the intensity of delayed onset muscle soreness,” Poster presentation at 32nd Annual Scientific Meeting of the American Pain Society in New Orleans, LA May 8-11, 2013

Valencia C, Gay CW, Zeppieri G, George SZ, “Inducing temporal summation: the importance of relevant stimulus parameters,” Poster presentation at 32nd Annual Scientific Meeting of the American Pain Society in New Orleans, LA May 8-11, 2013

Gay CW, “Expectation for pain relief prior to and after random assignment,” Oral Presentation at the American Pain Society Preconference Symposium, New Orleans, May 8th, 2013

Gay CW, Alappattu MJ, Bishop MD, “The effect of a single session of muscle-biased therapy of pain sensitivity: a systematic review of randomized controlled trials,” Platform Presentation at the Association of Chiropractic Colleges Educational Conference Research Agenda Conference (ACC-RAC), in Washington, DC March 15, 2013

2012

Hawk C, Schneider M, Evans MW, Redwood D. Consensus process to develop a best practices document on the role of chiropractic care in health promotion, disease prevention and wellness. Association of Chiropractic Colleges-Research Agenda Conference. Las Vegas, March 2012.

Russell BS, Geil MD, Wu J, Hoiriis KT. Variability of vertical ground reaction forces in patients with chronic low back pain, before and after chiropractic care [conference abstract]. *J Chiropr Educ* 2012;26(1):108.

Spurgin, K., Kaprelian, A., Valdez, M., Martinez, B., and Curras-Collazo, MC, Chronic sound stress raises systolic blood pressure and gene expression of pituitary adenylate cyclase activating polypeptide (PACAP) and its receptor PAC1R in the PVN (abstract/poster) Experimental Biology Conference April 21, 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, Horn-Robinson ME, Bishop MD, Robinson ME, Bialosky JE, “Factors Influencing the Relationship between Low Back Pain Intensity and Disability” Poster presentation at PHHP Research Day 2012 in Gainesville, FL April 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

Spurgin, K., Valdez, M. Kaprielian, A., Nichol, R., Martinez, B. and Curras-Collazo, MC. Late Breaking Abstracts: Use of a calibrated method of massage therapy results in pressure-dependent reductions in cardiovascular parameters, *Clin Auton Res*, 2011. 21(2): p. 130.

Wang X, Casadio M, Weber K, Parrish T, Mussa-Ivaldi F. White matter microstructure changes induced by motor skill learning, poster presentation at Neuroscience 2011, Society for Neuroscience Annual Meeting, Washington, DC.

Weber II KA, Wang X, Casadio M, Mussa-Ivaldi FA, Parrish TB. Does White Matter Change Following Motor Training?: A Pilot Study, poster presentation at the 17th Annual Meeting of the Organization for Human Brain Mapping 2011, Quebec City, Canada.

2010

Hawk C, Schneider M, Dougherty P, Gleberzon B, Killinger LZ. Consensus process to develop a “best practices” document for chiropractic care for older adults. *Proceedings of the 138th Annual Meeting of the American Public Health Association*. November 2010.