

NCMIC FOUNDATION Publications and Presentations

Publications

Articles in Submission

Gao Z, Leininger B, Schulz C, Bronfort G, Evans R, Pope Z, and Zeng N. Objective and Self-Reported Physical Activity Measures and Their Associations with Low Back Pain in Adolescents. *Journal of Orthopaedic and Sports Physical Therapy* (in submission).

Pohlman KA, Carroll L, Tsuyuki RT, Hartling L, and Vohra S. Active Versus Passive Adverse Event Reporting After Pediatric Chiropractic Manual Therapy: Study Protocol for a Cluster Randomized Controlled Trial. *Trials* (in submission).

Salsbury S, Goertz CM, Twist E, Smith V, and Lisi AJ. Doctors of Chiropractic Working in Private Sector Medical Facilities: A Descriptive Survey. *Journal of Interprofessional Care* (under review).

Ward J, Tyer K, and Pourmoghaddam A. Immediate Influence of Lumbar Spine Manipulation on Pain, Functional Reach, Static Balance, and Walking Gait Kinematics of Individuals with Acute Low Back Pain. *Journal of Manipulative and Physiological Therapeutics* (submitted April 19, 2015).

Spurgin K, Gutierrez R, Prien A, Muller A, Valdez M, and Curras-Collazo MC. Intra-Adrenal PACAP mRNA is Regulated by Various Stressors in Association with Markers of Glucocorticoid Hormone Production and Catecholamine Biosynthesis. *Journal of Neurophysiology* (submitted).

Spurgin K, Gutierrez R, Prien A, and Curras-Collazo MC. Developmental PBDE Exposure Produces Hypertensive Responses Associated with Altered Sympathoadrenal and Hypothalamic-Pituitary-Adrenal Endocrine Activity. *Environmental Health Perspectives* (submitted).

Spurgin K, Kaprelian A, Angeli J, Prien A, and Curras-Collazo MC. Chronic Psychogenic Stress Increases Blood Pressure and Alters Stress Axis Markers in the Adrenal Gland and Hypothalamus (in preparation).

Articles in Peer-Reviewed Journals

2016

Hewitt E, Hestbaek L, and Pohlman KA. Core Competencies of the Certified Pediatric Chiropractor: Results of a Delphi Consensus Process. *Journal of Evidence-Based Complementary and Alternative Medicine* 2016 Apr;21(2):110-114.

Pohlman KA, Carroll L, Hartling L, Tsuyuki R, and Vohra S. Barriers to Implementing a Reporting and Learning Patient Safety System: Pediatric Chiropractic Perspective. *Journal of Evidence-Based Complementary and Alternative Medicine* 2016 Apr;21(2):105-109.

Pohlman KA, Carroll L, Hartling L, Tsuyuki R, and Vohra S. Pediatric Chiropractors' Attitudes and Opinions Towards Patient Safety. *Journal of Manipulative and Physiological Therapeutics* 2016 Sept;39(7):487-493.

Abode-Iyamah KO, Viljoen SV, McHenry CL, Petrie MA, Stoner KE, Dahdaleh NS, Grosland NM, Howard MA, and Shields RK. Effect of Surgery on Gait and Sensory Motor Performance in Patients with Cervical Spondylotic Myelopathy. *Neurosurgery* 2016;79(5):701-707.

Abode-Iyamah KO, Stoner KE, Grossbach AJ, Viljoen SV, McHenry CL, Petrie MA, Dahdaleh NS, Grosland NM, Shields RK, and Howard MA, 3rd. Effects of Brain Derived Neurotrophic Factor Val66Met Polymorphism in Patients with Cervical Spondylotic Myelopathy. *Journal of Clinical Neuroscience* 2016;24:117-121.

Petrie MA, Kimball AL, McHenry CL, Suneja M, Yen CL, Sharma A, and Shields RK. Distinct Skeletal Muscle Gene Regulation from Active Contraction, Passive Vibration, and Whole Body Heat Stress in Humans. *PloS One* 2016;11(8):e0160594.

Goertz CM, Salsbury SA, and Vining RD. Response to Letter to the Editor on "Effect of Spinal Manipulation of Upper Cervical Vertebrae on Blood Pressure: Results of a Pilot Sham-Controlled Trial." *Journal of Manipulative and Physiological Therapeutics* 2016;39(8):603-604.

Goertz CM, Salsbury SA, Vining RD, Long CM, Pohlman KA, Weeks WB, and Lamas GA. Effect of Spinal Manipulation of Upper Cervical Vertebrae on Blood Pressure: Results of a Pilot Sham-Controlled Trial. *Journal of Manipulative and Physiological Therapeutics* 2016;39(5):369-380.

Bauman CA, Milligan JD, Lebreche T, and Riva JJ. Nonfunctioning Pituitary Macroadenoma: A Case Report from the Patient Perspective. *Chiropractic & Manual Therapies* 2016;24:12.

Rempel JT, Busse JW, Drew B, Reddy K, Cenic A, Kachur E, Murty N, Candelaria H, Moore AE, and Riva JJ. Patients' Attitudes Toward Nonphysician Screening of Low Back and Low Back-Related Leg Pain Complaints Referred for Surgical Assessment. *Spine (Philadelphia, PA 1976)* 2016 July 7. [epub ahead of print] doi: 10.1097/BRS.0000000000001764.

Currie SJ, Myers CA, Krishnamurthy A, Enebo BA, and Davidson BS. Methods of Muscle Activation Onset Timing Recorded During Spinal Manipulation. *Journal of Manipulative and Physiological Therapeutics* 2016b;39(4):279-87.

Currie SJ, Myers CA, Durso C, Enebo BA, and Davidson BS. The Neuromuscular Response to Spinal Manipulation in the Presence of Pain. *Journal of Manipulative and Physiological Therapeutics* 2016a May;39(4):288-93.

Spurgin K, Kaprelian A, Gutierrez R, Jha V, Wilson C G, Dobyms A, Xu KH, and Curras-Collazo MC. A Calibrated Method of Manual Therapy Decreases Systolic Blood Pressure Concomitant with Changes in Heart Rate Variability in Male Rats. *Journal of Manipulative and Physiological Therapeutics*. <http://dx.doi.org/10.1016/j.jmpt.2016.10.010>.

Hawk C, Schneider MJ, Vallone S, and Hewitt EG. Best Practices for Chiropractic Care of Children: A Consensus Update. *Journal of Manipulative and Physiological Therapeutics* 2016;39:158-168.

Rhee TG, Evans R, McAlpine DD, and 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 and Johnson PJ. Nondisclosure of Complementary and Alternative Medicine (CAM) Use to Usual Care Providers: Analysis of the 2012 National Health Interview Survey.

Maiers M, Hondras MA, Salsbury SA, Bronfort G, and Evans R. What Do Patients Value About Spinal Manipulation and Home Exercise for Back-Related Leg Pain? A Qualitative Study within a Controlled Clinical Trial. *Manual Therapy* 26 (2016) 183-191.

Schneider M, Evans R, Hass M, Leach M, Delagran L, Hawk H, Long C, Cramer GD, Walters O, Vihstadt C, and Terhorst L. The Effectiveness and Feasibility of an Online Educational Program for Improving Evidence-Based Practice Literacy: An Exploratory Randomized Study of US Chiropractors. *Chiropractic & Manual Therapies* (2016) 24:27 doi: 10.1186/s12998-016-0109-8.

Gross AR, Paquin JP, Dupont G, Blanchette S, Lalonde P, Cristie T, Graham N, Kay TM, Burnie SJ, Gellely G, Goldsmith CH, Forget M, Santaguida PL, Yee AJ, Radisic GG, Hoving JL, and Bronfort G, Cervical Overview Group. Exercises for Mechanical Neck Disorders: A Cochrane Review Update. *Manual Therapy* 24 (2016) 25-45.

Johnson PJ, Jou J, Rhee TG, Rockwood TH, and Upchurch DM. Complementary Health Approaches for Health and Wellness in Midlife and Older US Adults. *Maturitas* 89 (2016) 36-42.

Leininger B, McDonough C, Evans R, Tosteson T, Tosteson A, and Bronfort GB. Cost-Effectiveness of Spinal Manipulation, Supervised Exercise, and Home Exercise for Older Adults with Chronic Neck Pain. *Spine Journal*. www.TheSpineJournalOnline.com. <http://dx.doi.org/10.1016/j.spinee.2016.06.014>.

Hanson L, Haas M, Bronfort G, Vavrek D, Schulz C, Leininger B, Evans R, Takaki L, and Neradilek M. Dose-Response of Spinal Manipulation for Cervicogenic Headache: Study Protocol for a Randomized Controlled Trial. *Chiropractic & Manual Therapies* (2016) 24:23 doi: 10.1186/s12998-016-0105-z.

Zhao KD, Ben-Abraham EI, Magnuson DJ, Camp JJ, Berglund LJ, Kai-Nan An, Bronfort G, and Gay RE. Effect of Off-Axis Fluoroscopy Imaging on Two-Dimensional Kinematics in the Lumbar Spine: A Dynamic In Vitro Validation Study. *Journal of Biomechanical Engineering* May 2016, Vol. 138 / 054502-1-5.

Terhorst L, Leach M, Bussie A, Evans R, and Schneider MJ. Evaluating the Psychometric Properties of the Evidence-Based Practice Attitude and Utilization Survey. *The Journal of Alternative and Complementary Medicine* 2016 22(4) 328–335. doi: 10.1089/acm.2015.0221.

Harsted S, Mieritz RM, Bronfort G, and Hartvigsen J. Reliability and Measurement Error of Frontal and Horizontal 3D Spinal Motion Parameters in 219 Patients with Chronic Low Back Pain. *Chiropractic & Manual Therapies* (2016) 24:13 doi: 10.1186/s12998-016-0092-0.

Johnson PJ, Kozhimannil KB, Jou J, Ghildayal N, and Rockwood TH. Complementary and Alternative Medicine Use among Women of Reproductive Age in the United States. *Women's Health Issues* 26-1 (2016) 40-47.

Ghildayal N, Johnson PJ, Evans RL, Kreitzer MJ. Complementary and Alternative Medicine Use in the US Adult Low Back Pain Population, 充和替代医学在美国成人腰背痛人群中的用, Uso de la medicina complementaria y alternativa en la población estadounidense adulta con lumbalgia. *Global Advances in Health and Medicine* Jan 2016 5(1) 69-78.

Lisi AJ and Brandt CA. Trends in the Use and Characteristics of Chiropractic Services in the Department of Veterans Affairs. *Journal of Manipulative and Physiological Therapeutics* June 2016;39:381-386.

Herman PM and Coulter ID. Using a Review of the Literature and Expert Panels to Map the Healthcare Policy Landscape for the Complementary and Alternative Medicine Professions. *Journal of Manipulative and Physiological Therapeutics* 2016;39:500-509.

Hurwitz E, Vassilaki M, Li D, Schneider MJ, Stevans JM, Phillips RB, Phelan S, Lewis EA, and Armstrong RC. Variations in Patterns of Use and Charges for the Care of Headache in North Carolina, 2000-2009: A Statewide Claims' Data Analysis. *Journal of Manipulative and Physiological Therapeutics* May 2016, 39(4) 229-39.

Hurwitz E, Li D, Guillen J, Schneider MJ, Stevans JM, Phillips RB, Phelan S, Lewis EA, Armstrong RC, and Vassilaki M. Variations in Patterns of Use and Charges for the Care of Low Back Pain in North Carolina, 2000-2009: A Statewide Claims' Data Analysis. *Journal of Manipulative and Physiological Therapeutics* May 2016, 39(4) 252-62.

Hurwitz E, Li D, Guillen J, Schneider MJ, Stevans JM, Phillips RB, Phelan S, Lewis EA, Armstrong RC, and Vassilaki M. Variations in Patterns of Use and Charges for Neck Pain Care in North Carolina, 2000-2009: A Statewide Claims' Data Analysis. *Journal of Manipulative and Physiological Therapeutics* May 2016, 39(4) 240-51.

Hewitt E, Hestbaek L, and Pohlman KA. Core Competencies of the Certified Pediatric Chiropractor: Results of a Delphi Consensus Process. *Journal of Evidence-Based Complementary and Alternative Medicine* 2016 Apr;21(2):110-114.

Pohlman KA, Carroll L, Hartling L, Tsuyuki R, and Vohra S. Barriers to Implementing a Reporting and Learning Patient Safety System: Pediatric Chiropractic Perspective. *Journal of Evidence-Based Complementary and Alternative Medicine* 2016 Apr;21(2):105-109.

Milligan JD, Labreche T, Riva JJ, and Bauman CA. Nonfunctioning Pituitary Macroadenoma: A Case Report from the Patient Perspective. *Chiropractic & Manual Therapies* 2016 24:12
doi: 10.1186/s12998-016-0093-z© Bauman et al. 2016.

Hondras M, Hartvigsen J, Myburgh C, and Johannessen H. Everyday Burden of Musculoskeletal Conditions among Villagers in Rural Botswana: A Focused Ethnography. *Journal of Rehabilitation Medicine* 2016;48(5):449-55.

Goertz CM, Long C, Vining R, Pohlman KA, Kane B, Corber L, Walter J, and Coulter I. Assessment of Chiropractic Treatment for Active Duty, US Military Personnel with Low Back Pain: A Comparative Effectiveness Clinical Trial with Adaptive allocation (ACT 1). *Trials* 2016 Feb 9;17(1):70.

Goertz CM, Xia T, Long CR, Vining RD, Pohlman KA, DeVocht JW, Gudavalli MR, Owens EF, Meeker WC, and Wilder DG. Effects of Spinal Manipulation on Sensorimotor Function in Back Pain Patients – A Randomized Controlled Trial. *Manual Therapy* 2016 Feb;21:183-190.

Weeks WB, Leininger B, Whedon JM, Lurie JD, Tosteson TD, and Swenson R. The Association Between Use of Chiropractic Care and Costs of Care among Older Medicare Patients with Chronic Low Back Pain and Multiple Comorbidities. *Journal of Manipulative and Physiological Therapeutics* 2016;39:63-75.e1-2.

Rhee G, Leininger B, Ghildayal N, Evans R, Dusek JA, and Johnson PJ. Complementary and Integrative Healthcare for Patients with Mechanical Low Back Problems in a Hospital Setting. *Complementary Therapies in Medicine* Feb 2016 24 (2016) 7-12.

2015

Bussieres A, Terhorst L, Leach M, Stuber K, Evans R, and Schneider M. An Exploration of the Attitudes, Skills and Use of Evidence-Based Practice among Canadian Doctors of Chiropractic: A National Survey. *Journal of the Canadian Chiropractic Association* (accepted for publication).

Herman PM. and Coulter ID. Complementary and Alternative Medicine: Professions or Modalities? Policy Implications for Coverage, Licensure, Scope of Practice, Institutional Privileges, and Research. Santa Monica, CA: RAND Corporation, 2015.
http://www.rand.org/pubs/research_reports/RR1258.html.

Dagenais S, Brady O, Haldeman S, and Manga P. A Systematic Review Comparing the Costs of Chiropractic Care to Other Interventions for Spine Pain in the United States. *BMC Health Services Research* 2015 Oct 19;15:474.

Dudley□Javoroski S, Petrie MA, McHenry CL, Amelon RE, Saha PK, and Shields RK. Bone Architecture Adaptations after Spinal Cord Injury: Impact of Long□Term Vibration of a Constrained Lower Limb. *Osteoporosis International: a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*. 2015.

Evans R, Vihstadt C, Westrom K, and Baldwin L. Complementary and Integrative Healthcare in a Long-term Care Facility: A Pilot Project. *Global Advances in Health and Medicine* Jan 2015;4(1):18-27.

Abode□Iyama KO, Stoner KE, Grossbach AJ, Viljoen SV, McHenry CL, and Petrie MA, et al. Effects of Brain Derived Neurotrophic Factor Val66Met Polymorphism in Patients with Cervical Spondylotic Myelopathy. *Journal of Clinical Neuroscience*. 2015.

Gross A, Kay TM, Paquin JP, Blanchette S, Lalonde P, Christie T, Dupont G, Graham N, Burnie SJ, Gellely G, Goldsmith CH, Forget M, Hoving JL, Bronfort G, and Santaguida PL. Exercises for Mechanical Neck Disorders. *Cochrane Database of Systematic Reviews*. 2015.

Maiers M, Evans R, Hartvigsen J, Schulz C, and Bronfort G. Adverse Events among Seniors Receiving Spinal Manipulation and Exercise in a Randomized Clinical Trial. *Manual Therapy*. April 2015.

Schneider MJ, Evans R, Haas M, Leach M, Hawk C, Long C, Cramer GD, Walters O, Vihstadt C, and Terhorst L. U.S. Chiropractors' Attitudes, Skills and Use of Evidence-Based Practice: A Cross-Sectional National Survey. *Chiropractic & Manual Therapies*. May 2015.

Furlan A, Van Tulder M, Chou R, Schoene M, Deyo R, Bronfort G, and Maher C et al. 2015 Updated Method Guideline for Systematic Reviews in the Cochrane Back and Neck. *Spine*. July 2015.

Delagran L, Vihstadt C, and Evans, R. Aligning Theory and Design: The Development of an Online Learning Intervention to Teach Evidence-Based Practice for Maximal Reach. *Global Advances in Health and Medicine*. September 2015.

Gross A, Kay TM, Paquin JP, Blanchette S, Lalonde P, Christie T, Dupont G, Graham N, Burnie SJ, Gellely G, Goldsmith CH, Forget M, Hoving JL, Brønfort G, and Santaguida PL. Cervical Overview Group. Exercises for Mechanical Neck Disorders. *Cochrane Database of Systematic Reviews* 2015 Jan 28;1:CD004250.

Gross A, Langevin P, Burnie SJ, Bedard-Brochu MS, Empey B, Dugas E, Faber-Dobrescu M, Andres C, Graham N, Goldsmith CH, Bronfort G, Hoving JL, and LeBlanc F. Manipulation and Mobilisation for Neck Pain Contrasted against an Inactive Control or Another Active Treatment.

Cochrane Database of Systematic Reviews 2015;9:CD004249.

Brønfort G, Evans RL, Goldsmith CH, Haas M, Leininger B, Levin M, Schmitt J, and Westrom K. Spinal Rehabilitative Exercise and Manual Treatment for the Prevention of Migraine Attacks in Adults. *Cochrane Database of Systematic Reviews* 2015, Issue 8. Art. No.:CD011848.

Weeks W, Tosteson T, Whedon J, Leininger B, Lurie J, Swenson R, Goertz C, and O'Malley A. Describing and Comparing Propensity Score Methods for Creating Comparable Cohorts of Chiropractic Users and Nonusers in Older, Multiple Comorbid Medicare Patients with Chronic Low Back Pain. *Journal of Manipulative and Physiological Therapeutics* November-December 2015.

Lubbe D, Lakhani E, Brantingham JW, Parkin-Smith G, Cassa T, Globe G, and Korporaal C. Manipulative Therapy and Rehabilitation for Recurrent Ankle Sprain with Functional Instability - Short-Term Assessor-Blind Parallel-Group Randomised Trial. *Journal of Manipulative and Physiological Therapeutics* Oct 2015;Jan 38(1)22-34.

Dwyer L, Parkin-Smith GF, Brantingham JW, Korporaal C, Cassa TK, Globe G, Bonnefin D, and Tong V. Manual and Manipulative Therapy in Addition to Rehabilitation for Osteoarthritis of the Knee: Assessor-Blind Randomized Pilot Trial. *Journal of Manipulative and Physiological Therapeutics* Jan 2015;38(1):1-21 e2.

Brantingham JW and Cassa T. Conservative, Manipulative and Multimodal Therapies in the Treatment of Osteoarthritis of the Great Toe: A Case Series. *Journal of Chiropractic Medicine* 2015.

Hondras M, Myburgh C, Hartvigsen J, and Johannessen H. *Botlhoko, botlhoko!* How People Talk About Their Musculoskeletal Complaints in Rural Botswana: A Focused Ethnography. *Global Health Action* 2015, 8: 29010. <http://dx.doi.org/10.3402/gha.v8.29010>.

Gay, CW, Papuga MO, Bishop MD, and Dougherty P. The Frequency and Reliability of Cortical Activity using a Novel Strategy to Present Pressured Pain Stimulus over the Lumbar Spine. *Journal of Neuroscience Methods* 2015 Jan 15, 108-13.

Gay CW, Horn ME, Bishop MD, Robinson ME, and Bialosky JE. Investigating Dynamic Pain Sensitivity in the Context of the Fear-Avoidance Model. *European Journal of Pain* 2015 19(1) 48-58.

2014

Fernandes N, Bryant D, Griffith L, El-Rabbany M, Fernandes NM, Kean C, Marsh J, Mathur S, Moyer R, Reade CJ, Riva JJ, Somerville L, and Bhatnagar N. Outcomes for Patients with the Same Disease Treated Inside and Outside of Randomized Trials: A Systematic Review and Meta-Analysis. *Canadian Medical Association Journal* 2014 Nov 4;186(16):E596-609.

Busse JW, Riva JJ, Rampersaud R, Goytan MJ, Feasby TE, Reed M, and You JJ. Spine Surgeons' Requirements for Imaging at the Time of Referral: A Survey of Canadian Spine Surgeons. *Canadian Journal of Surgery* 2014 Apr; 57(2):E25-30.

Busse JW, Bruno P, Malik K, Connell G, Torrance D, Ngo T, Kirmayr K, Avrahami D, Riva JJ, Ebrahim S, Struijs PA, Brunarski D, Burnie SJ, LeBlanc F, Coomes EA, Steenstra IA, Slack T, Rodine R, Jim J, Montori VM, and Guyatt GH. An Efficient Strategy Allowed English-Speaking Reviewers to Identify Foreign-Language Articles Eligible for a Systematic Review. *Journal of Clinical Epidemiology* 2014 May;67(5): 547-53.

Mieritz RM, Bronfort G, and Hartvigsen J. Regional Lumbar Motion and Patient-Rated Outcomes: A Secondary Analysis of Data from a Randomized Clinical Trial. *Journal of Manipulative and Physiological Therapeutics* November-December 2014.

Michaleff ZA, Kamper SJ, Maher CG, Evans R, Broderick C, and Henschke N. Low Back Pain in Children and Adolescents: A Systematic Review and Meta-Analysis Evaluating the Effectiveness of Conservative Interventions. *European Spine Journal* October 2014.

Petrie M, Suneja M, and Shields RK. Low Frequency Stimulation Regulates Metabolic Gene Expression in Paralyzed Muscle. *Journal of Applied Physiology* 2015:jap 00628 2014.

Olson E, Bodziony M, Ward J, Coats J, Koby B, and Goehry D. Effect of Lumbar Spine Manipulation on Asymptomatic Cyclist Sprint Performance and Hip Flexibility. *Journal of Chiropractic Medicine* 2014;13:230-8.

Petrie MA, Suneja M, Faidley E, and Shields RK. Low Force Contractions Induce Fatigue Consistent with Muscle mRNA Expression in People with Spinal Cord Injury. *Physiological Reports* 2014;2(2).

Petrie MA, Suneja M, Faidley E, and Shields RK. A Minimal Dose of Electrically Induced Muscle Activity Regulates Distinct Gene Signaling Pathways in Humans with Spinal Cord Injury. *PloS One* 2014;9:e115791.

Angeles R, McDonough B, Howard M, Dolovich L, Marzanek-Lefebvre F, Qian H, and Riva J. Primary Health Care Needs for a Priority Population: A Survey of Professional Truck Drivers. *Work* 49 (2014) 175-181.

McDonough B, Howard M, Angeles R, Dolovich L, Marzanek-Lefebvre F, Riva J, and Laryea S. Lone Workers' Attitudes Towards Their Health: Views of Ontario Truck Drivers and Their Managers. *BMC Research Notes*. 2014 7:249.

Quesnele JJ, Triano J, Noseworthy MD, and Wells, GD. Changes in Vertebral Artery Blood Flow Following Various Head Positions and Cervical Spine Manipulation. *Journal of Manipulative and Physiological Therapeutics* 37(1) Jan 2014, 22-31.

Gay CW and Bishop MD. Research on Placebo Analgesia is Relevant to Clinical Practice. *Chiropractic & Manual Therapies* 2014;22(1).

Horn ME, Alappattu MJ, Gay CW, and Bishop MD. Fear of Severe Pain Mediates Sex Differences in Pain Sensitivity Responses to Thermal Stimuli. *Pain Research and Treatment* 2014;2014: 897953.

Gay CW, Robinson ME, George SZ, Perlstein WM, and Bishop MD. Immediate Changes after Manual Therapy in Resting-State Functional Connectivity as Measured by Functional Magnetic Resonance Imaging in Participants with Induced Low Back Pain. *Journal of Manipulative and Physiological Therapeutics* 2014 37(9) 614-27.

2013

Busse JW, Schandelmaier S, Kamaleldin M, Hsu S, Riva JJ, Vandvik PO, Tsoi L, Lam T, Ebrahim S, Johnston B, Oliveri L, Montoya L, Kunz R, Malandrino A, Bhatnagar N, Mulla SM, Lopes LC, Soobiah C, Wong A, Buckley N, Sessler D, and Guyatt GH. Opioids for Chronic Non-Cancer Pain: A Protocol for a Systematic Review of Randomized Controlled Trials. *Systematic Reviews* 2013 Aug 21;2:66.

Riva JJ, Wong JJ, Brunarski DJ, Chan AH, Lobo RA, Aptekman M, Alabousi M, Imam M, Gupta A, and Busse JW. Consideration of Chronic Pain in Trials to Promote Physical Activity for Diabetes: A Systematic Review of Randomized Controlled Trials. *PLoS One*. 2013 Aug 7;8(8):e71021. doi: 10.1371/journal.pone.0071021. Print 2013. Review.

Reade CJ, Riva JJ, Busse JW, Goldsmith CH, and Elit L. Risks and Benefits of Screening Asymptomatic Women for Ovarian Cancer: A Systematic Review and Meta-Analysis. *Gynecologic Oncology* 2013 Sept;130(3):674-81.

Busse JW, Ebrahim S, Connell G, Coomes EA, Bruno P, Malik K, Torrance D, Ngo T, Kirmayr K, Avrahami D, Riva JJ, Struijs P, Brunarski D, Burnie SJ, LeBlanc F, Steenstra IA, Mahood Q, Thorlund K, Montori VM, Sivarajah V, Alexander P, Jankowski M, Lesniak W, Faulhaber M, Bała MM, Schandelmaier S, and Guyatt GH. Systematic Review and Network Meta-Analysis of Interventions for Fibromyalgia: A Protocol. *Systematic Reviews* 2013 Mar 13;2:18.

Busse JW, Riva JJ, Nash JV, Hsu S, Fisher CG, Wai EK, Brunarski D, Drew B, Quon JA, Walter SD, Bishop PB, and Rampersaud R. Surgeon Attitudes Toward Nonphysician Screening of Low Back or Low Back-Related Leg Pain Patients Referred for Surgical Assessment: A Survey of Canadian Spine Surgeons. *Spine (Philadelphia, PA 1976)*. 2013 Apr 1;38(7):E402-8.

Williams S, Pinto Zipp G, Cahill T, and Parasher, RK. Prevalence of Burnout among Doctors of Chiropractic in the Northeastern United States. *Journal of Manipulative and Physiological Therapeutics* 36(6) 2013: 376-384.

Williams S. The Prevalence of Burnout among Chiropractic Practitioners. *Medicine and Health Sciences Commons*TM. 2013: 126.

Urrea J, Vohra J, Ward J, Amonette W, and Coats J. Pilot Study of the Impact of Rocktape® on Females' Depth Jump Performance. *World Academy of Science, Engineering, and Technology International Science Index* 2013;83 (Nov):1266-71. eISSN 2010-3778.

Humphries K, Ward J, Coats J, Norbert J, Amonette W, and Dyess S. Lower Cervical Spine Manipulation Impact on Handgrip Strength and Free-Throw Accuracy of Asymptomatic Recreational Basketball Players: A Pilot Study. *Journal of Chiropractic Medicine* 2013;12:153-9.

Gay CW, Alappattu MJ, Coronado RA, Horn ME, and Bishop MD. The Effect of a Single Session of Muscle-Biased Therapy on Pain Sensitivity: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Journal of Pain Research* 2013;6:7-22.

2012

Bauman CA, Milligan JD, Lee FJ, and Riva JJ. Autonomic Dysreflexia in Spinal Cord Injury Patients: An Overview. *Journal of Canadian Chiropractic Association* 2012 Dec;56(4):247-50.

Riva JJ, Malik KM, Burnie SJ, Endicott AR, and Busse JW. What is Your Research Question? An Introduction to the PICOT Format for Clinicians. *Journal of Canadian Chiropractic Association* 2012 Sept;56(3):167-71.

Henry J, Yashpal K, Vernon H, Kim J, and Im HJ. Lumbar Facet Joint Compressive Injury Induces Lasting Changes in Local Structure, Nociceptive Scores and Inflammatory Mediators in a Novel Rat Model. *Pain Research and Treatment* 2012, Article ID 127636: Epub 2012 June 28.

Gay CW, Beres JL, and Bishop MD. Clinical Presentation of a Patient with Thoracic Myelopathy at a Chiropractic Clinic. *Journal of Chiropractic Medicine* June 2012. Vol. 11 (2): 115-120.

Coronado RA, Gay CW, Bialosky JE, Carnaby GD, Bishop MD, and George SZ. Changes in Pain Sensitivity Following Spinal Manipulation: A Systematic Review and Meta-Analysis. *Journal of Electromyography and Kinesiology*. Oct 2012;22 (5):752-67.

Hawk C, Schneider MJ, Evans MW, and Redwood D. Consensus Process to Develop a Best Practices Document on the Role of Chiropractic Care in Health Promotion, Disease Prevention and Wellness. *Journal of Manipulative and Physiological Therapeutics* 2012;35(7):556-67. PMID: 22742964

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.

Enyinnaya, E. Eliminating the Burden of Musculoskeletal Health Care Disparities: The Chiropractic Contribution. *Journal of American Chiropractic Association* 2011 Apr; 48(3):19-23.

Dagenais S and Haldeman S (eds). *Evidence-Based Management of Low Back Pain*. Elsevier-Mosby, St. Louis, MO. 2011.

2010

Triano JJ, Goertz C, Weeks J, Murphy DR, Kranz KC, McClelland GC, Kopansky-Giles D, Morgan W, and Nelson CF. Chiropractic in North America: Toward a Strategic Plan for Professional Renewal – Outcomes from the 2006 Chiropractic Strategic Planning Conference. *Journal of Manipulative and Physiological Therapeutics* 2010;33(5):395-405.

Hawk C, Schneider MJ, Dougherty P, Gleberzon BJ, and Killinger LZ. Best Practices Recommendations for Chiropractic Care for Older Adults: Results of a Consensus Process. *Journal of Manipulative and Physiological Therapeutics* 2010;33(6):464-473. PMID: 20732584.

2009

Hawk C, Schneider MJ, Ferrance R, Hewitt E, Van Loon M, and Tanis L. Best Practices Recommendations for Chiropractic Care for Infants, Children, and Adolescents. *Journal of Manipulative and Physiological Therapeutics* 2009;32(8):639-647. PMID: 19836600.

Dagenais S, Roffey DM, Wai EK, Haldeman S, and Caro J. Can Cost Utility Evaluations Inform Decision Making About Interventions for Low Back Pain? *The Spine Journal*, 2009;9:944-957.

2008

Dagenais S, Caro J, and Haldeman S. A Systematic Review of Low Back Pain Cost of Illness Studies in the United States and Internationally. *The Spine Journal*, 2008;8:8-20.

Haldeman S and Dagenais S. A Supermarket Approach to the Evidence-Informed Management of Chronic Low Back Pain. *The Spine Journal*, 2008;8:1-7.

Goertz C, Grimm R, Grandits G, and Svendsen K. Treatment of Hypertension with Alternative Therapies (THAT) Study—A Randomized Clinical Trial. *Journal of Hypertension* 2002;Oct 20:2063-2068.

Lawrence DJ, Polipnick J, and Colby E. Barriers To and Opportunities For the Implementation of Best Practice Recommendations in Chiropractic: Report of a Focus Group. *Journal of Allied Health* 2008 Summer;37(2):82-9. PMID: 18630783.

2007

Schwarz I and Hondras MA. A Survey of Chiropractors Practicing in Germany: Practice Characteristics, Professional Reading Habits, and Attitudes and Perceptions Toward Research. *Chiropractic and Osteopathy* 2007;15(6).

2005

Polipnick J, Hondras MA, Delevan SM, and Lawrence DJ. An Exploration of Community Leader Perspectives about Minority Involvement in Chiropractic Clinical Research. *Journal of Complementary and Alternative Medicine* 2005 Dec;11(6):1015-20. PMID: 16398592.

Books & Chapters

Currie, SA. The Neuromuscular Response to Spinal Manipulation: Quantifying the Effect of Pain with Electromyography. A Dissertation Presented to the Faculty of the Daniel Felix Ritchie School of Engineering and Computer Science University of Denver. November 2015.

Bishop MD, Bialosky JE, and Gay CW. Chronic Low Back Pain. Fernandez de las Penas C, and Cleland J (eds). *Manual Therapy for Musculoskeletal Pain Syndromes*. p. 236-244 Elsevier. 2015.

Phillips RB, Clum C, and Chapman-Smith D. *The Global Advance of Chiropractic: The World Federation of Chiropractic 1988-2013*. World Federation of Chiropractic. Toronto, Canada. 2013.

Phillips RB. *The Journey of Scott Haldeman: Spine Care Specialist & Researcher*. National Chiropractic Mutual Holding Company. Clive, IA. 2009.

Conference Proceedings

2016

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

Riva JJ, Klowak J, Elsharawi R, Costa A, and Whyte R. Medical Student Attitudes Towards Research Education and Opportunities During Their Training: A Cross-Sectional Survey at McMaster University (poster presentation). 2016 Cochrane Colloquium. Seoul, South Korea. October 23-27, 2016.

McMaster University, Program for Interprofessional Education, Practice & Research (PIPER) program. 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. McMaster University. Hamilton, ON. November 5, 2016.

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

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

Ammendolia C, Schneider M, Rampersaud YR, Zickmund S, Ham KM, William K, Stuber K, and 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. May 31-June 3, 2016

Lisi AJ and 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, and Lisi AJ. Doctors of Chiropractic Working in Private Sector Medical Facilities: A Descriptive Survey (platform presentation). ACC-RAC 2016.

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

Russell BS, Hoiriis KT, Hosek RS, and Weiner MT. Kinetic and Kinematic Analysis of Walking Gait, Before and After Chiropractic Care, Following Fifth Metatarsal Fractures (platform presentation). ACC-RAC 2016.

Capes M, Russell BS, Oz M, and Hosek RS. Kinetic Gait Assessment Before and After Chiropractic Lower Extremity Adjustments (platform presentation). ACC-RAC 2016.

2015

Bitra J, Phung J, Weber II KA, Inoue N, Espinoza Orías AA, and 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.

Pohlman KA, Carroll L, Hartling L, Tsuyuki R, and Vohra S. Pediatric Chiropractors' Attitude and Opinion about Patient Safety Culture. *Journal of Chiropractic Education* 2015;29(1):84.

Hewitt E, Pohlman KA, and 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, and 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 and 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 and More A. Collaborative Care: A New Paradigm that Ensures Excellence in Patient Care. Canadian Chiropractic Conference. Niagara Falls, Canada. September 18, 2015.

Haldeman S and Hondras M. Developing Primary Spine Care: World Spine Care Model and Protocols (platform presentation). 13th World Federation of Chiropractic Biennial Congress. Athens, Greece. May 15, 2015.

Hondras, M, Salsbury S, Nissen N, and Johannessen H. Walking Sticks for Muscle, Bone and Joint Health in Rural Botswana: Villager Perspectives from the World Spine Care MuBoJo Project (poster presentation). *Proceedings of the 13th WFC Biennial Congress*. p. 145-6. Athens, Greece. May 13-16, 2015.

Hondras, M, Johannessen H, Hartvigsen J, Myburgh C, and 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 presentation). *Proceedings of the 13th WFC Biennial Congress*. p. 145. Athens, Greece. May 13-16, 2015.

Petrie, MA, Suneja, M, Faidley, E, and Shields, RK. Low Force Contractions Induce Fatigue Consistent with Muscle mRNA Expression in People with Spinal Cord Injury. APTA CSM 2015.

Hinkeldey H, Olson M, Petrie M, and Ingrando N. 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, and 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, and Hoiriis KT. Kinetic Gait Evaluation of Three Patients with Foot and Ankle Injuries, Before and After a Limited Protocol of Chiropractic Care (conference abstract). *Journal of Chiropractic Education* 2015;29(1): 103. doi: 10.7899/JCE-14-34.

Dudley-Javoroski S, McHenry CL, Petrie MA, and 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.

Petrie M. Muscle Physiology Review: The Use of Physiology during Patient Evaluation and Care. Palmer College, Florida Homecoming 2015.

Gay CW and Bishop MD. Longitudinal Assessment of Pressure Pain Sensitivity Following an Acute Muscular Injury and Manual Therapy (poster presentation). 13th WFC Congress. Athens, Greece. May 13-16, 2015.

2014

Pohlman KA, O'Beirne M, Thiel H, Cassidy JD, Mior S, Hurwitz EL, Westaway M, Ishaque S, Yager JY, and Vohra S. Development and Validation of Instruments to Evaluate Adverse Events after Spinal Manipulation Therapy. *Journal of Complementary and Alternative Medicine* 2014;20(5):A49.

Petrie, MA, Johanns, JJ, Kockler, AM, and 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 M, and Tunning M. Interdisciplinary Care Models: Working Together to Benefit the Patient. Palmer College, Davenport Homecoming 2014.

Spurgin K, Gutierrez R, Prien A, and 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, and Linkhorn AE. Kinetic Evaluation of Gait in an Injured Football Player Before and After Chiropractic Care (conference abstract). *Journal of Chiropractic Education* 2014;28(1):97.

Boesch R, Juehring D, Petrie M, and Tunning M. An Overview of Movement Development, Injury and Recovery. Palmer College, Davenport Homecoming 2014.

Spurgin K, Gutierrez R, Prien A, and Curras-Collazo, MC. 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 Curras-Collazo, MC. 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, and 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, and Tunning M. Interdisciplinary Care Models: Working Together to Benefit the Patient. Palmer College, Davenport Homecoming 2014.

Boesch R, Juehring D, Petrie MA, and Tunning M. An Overview of Movement Development, Injury and Recovery. Palmer College, Davenport Homecoming 2014.

Gay CW, Letzen JE, Craggs JG, Robinson ME, and Bishop MD. Longitudinal Assessment of Connectivity Across Resting-State Networks in a Model of Acute Low Back Pain (poster presentation). 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). 2014 Neuromuscular Plasticity Noons. Gainesville, FL. July 26, 2014.

Gay CW, Letzen JE, Sevel LS, Craggs JG, and 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). 9th Annual Neuromuscular Plasticity Symposium. Gainesville, FL. March 14, 2014.

Gay CW, Craggs JC, Robinson ME, and Bishop MD. Changes in Resting-State Functional Connectivity that are Related to Increased Pain Sensitivity in a Model of Acute Low Back Pain (poster presentation). American Pain Society 33rd Annual Scientific Meeting. Tampa, FL. April 30-May 3, 2014.

Gay CW and Bishop MD. Functional Connectivity Changes Following Manipulative and Body Based Interventions: A Preliminary Report (platform presentation; award-winning submission). Association of Chiropractic Colleges Educational Conference XXI. Orlando, FL. March 20-22, 2014.

2013

Russell B, Geil M, Wu J, and Hoiriis K. Asymmetry of Vertical Ground Reaction Forces during Walking in Adults with Chronic Low Back Pain, Before and After Chiropractic Care (conference abstract). *Journal of Chiropractic Education* 2013;27(1):78.

Pohlman KA, Ishaque S, Cassidy JD, O'Beirne M, and 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 and Curras-Collazo M. PACAP: A Modulator of HPA-Axis and Hyperactivity. Experimental Biology. San Diego, CA. April 2013.

Spurgin K, Valdez M, Kouch J, Jha V, and Curras-Collazo M. PACAP: A Modulator of HPA-Axis and Hyperactivity. American Physiological Society. 2013.

Spurgin K, Valdez M, Kouch J, Washek J, and 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, and 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, and 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 and Bond B. Imaging Markers in Chronic Back Pain and Fibromyalgia Research: Literature Review and Pilot Data. CTR Seminars. University of Kansas Medical Center. October 24, 2013.

Russell BS, Geil MD, Wu J, and 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). American Society of Biomechanics Annual Meeting. Omaha, NE. September 3-5, 2013.

Russell B, Geil M, Wu J, and 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. p. 215. Durban, South Africa. April 10-13, 2013.

Gay CW, O'Shea AM, Craggs JG, and Bishop MD. Grey Matter Density in the Primary Somatosensory Cortex Explains Individual Differences in the Intensity of Delayed Onset Muscle Soreness (poster presentation). 32nd Annual Scientific Meeting of the American Pain Society. New Orleans, LA. May 8-11, 2013.

Valencia C, Gay CW, Zeppieri G, and George SZ. Inducing Temporal Summation: The Importance of Relevant Stimulus Parameters (poster presentation). 32nd Annual Scientific Meeting of the American Pain Society. New Orleans, LA. May 8-11, 2013.

Gay CW. Expectation for Pain Relief Prior To and After Random Assignment (oral presentation). American Pain Society Preconference Symposium. New Orleans, LA. May 8, 2013.

Gay CW, Alappattu MJ, and Bishop MD. The Effect of a Single Session of Muscle-Biased Therapy of Pain Sensitivity: A Systematic Review of Randomized Controlled Trials (platform presentation). Association of Chiropractic Colleges Educational Conference Research Agenda Conference (ACC-RAC). Washington, DC. March 15, 2013.

2012

Hawk C, Schneider M, Evans MW, and 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, NV. March 2012.

Russell BS, Geil MD, Wu J, and Hoiriis KT. Variability of Vertical Ground Reaction Forces in Patients with Chronic Low Back Pain, Before and After Chiropractic Care (conference abstract). *Journal of Chiropractic Education* 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, Kaprelian A, Valdez M, 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. January 2012.

Gay CW, Horn-Robinson ME, Bishop MD, Robinson ME, and Bialosky JE. The Role Pain Sensitivity and Fear Play in the Relationship between Low Back Pain Intensity and Disability (poster presentation). 31st Annual Scientific Meeting of the American Pain Society. Honolulu, HI. May 18, 2012.

Gay CW, Horn-Robinson ME, Bishop MD, Robinson ME, and Bialosky JE. Factors Influencing the Relationship between Low Back Pain Intensity and Disability (poster presentation). PPHP Research Day 2012. Gainesville, FL. April 18, 2012.

Gay CW, Bialosky JE, George SZ, and Bishop MD. Association between the Magnitude of Temporal Summation and Current Level and Duration of Low Back Pain (poster presentation; nominated for Orthopaedic Section Research Poster Award). APTA Combined Sections Meeting 2012. Chicago, IL. February 10, 2012.

2011

Spurgin K, Valdez M, Kaprelian 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. *Clinical Autonomic Research* 2011. 21(2): p. 130.

Wang X, Casadio M, Weber K, Parrish T, and Mussa-Ivaldi F. White Matter Microstructure Changes Induced by Motor Skill Learning (poster presentation). Neuroscience 2011. Society for Neuroscience Annual Meeting. Washington, DC.

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

2010

Hawk C, Schneider M, Dougherty P, Gleberzon B, and 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.