

## Faculty Published Works 2016

### Book Chapters

1. Li X, **Kuang Y**. X-ray fluorescence computed tomography for molecular imaging. In: Chen S, ed. *Frontiers of Medical Imaging*. Hackensack, NJ: World Scientific; 2016:83-98.
2. **Madsen SJ**. Physics of photodynamic therapy. In: Wong BJF, Ilgner J, eds. *Biomedical Optics in Otorhinolaryngology*. New York, NY: Springer; 2016:287-310.

### Non-Refereed Journal Publications

1. Halperin I, **Wulf G**. The science of coaching instruction in martial arts – Part 1. *Blitz – Australian Martial Arts Magazine*. 2016;30(2):80-82.
2. Halperin I, **Wulf G**. The science of coaching instruction in martial arts – Part 2. *Blitz – Australian Martial Arts Magazine*. 2016;30(3):40-41.
3. Halperin I, **Wulf G**. The science of coaching instruction in martial arts – Part 3. *Blitz – Australian Martial Arts Magazine*. 2016;30(4):40-42.
4. Lee T, **Wulf G**, Winstein C, Zelaznik H. In memoriam: Richard Allen Schmidt (1941 – 2015). *Journal Mot Behav*. 2016;48:1-4.
5. **Wulf G**. Why did Tiger Woods shoot 82? A commentary on Toner and Moran. *Psychol Sport Exerc*. 2016;22:337-338.

### Refereed Journal Publications

1. Bailey J, Barker L, Soucy M, Galor K, **Mercer JA**. Kinetic response to stride frequency perturbations during treadmill running [abstract]. *Med Sci Sports Exerc*. 2016;48(Suppl 5):619.
2. Barker L, Bailey J, Soucy M, Galor K, **Mercer JA**. Effective force application between various stride frequencies while running at constant velocity [abstract]. *Med Sci Sports Exerc*. 2016;48(Suppl 5):619.
3. Barker LA, Harry JR, **Dufek JS**, **Mercer JA**. Aerial rotation effects on vertical jump performance among highly skilled collegiate soccer players. *J Strength Cond Res*. 2016:1. doi:10.1519/JSC.0000000000001557.
4. Bokinskie J, Johnson P, Mahoney T, **Young D**. Examination of the failure of patients to show for scheduled appointments (FSSA) in outpatient physical therapy settings: a national survey. *Phys Ther J Policy Admin Leadership*. 2016;16(2):J1–J10.
5. Boyer KA, **Freedman Silvernail J**, Hamill J. Age and sex influences on running mechanics and coordination variability in healthy runners. *J Sports Sci*. 2016:1-7. doi:10.1080/02640414.2016.1265139.
6. Caia J, Weiss LW, Chiu LZ, **Schilling B**, Paquette MR, Relyea GE. Do lower-body dimensions and body composition explain vertical jump ability? *J Strength Cond Res*. 2016;30:3073-3083.
7. Caia J, Weiss LW, Chiu LZ, **Schilling B**, Paquette MR. Consistency of lower-body dimensions using surface landmarks and simple measurement tools. *J Strength Cond Res*. 2016;30:2600-2608.

8. Christie C, Molina S, Gonzales J, Berg K, Nair RK, Huynh K, **Madsen SJ**, et al. Synergistic chemotherapy by combined moderate hyperthermia and photochemical internalization. *Biomed Opt Express*. 2016;7:1240-1250.
9. Ciulei MA, Prado A, **Navalta JW**, **Mercer JA**. Triathlon wetsuit removal strategy: physiological cost of running with a wetsuit. *J Hum Kinet*. 2016;51(1):45-51.
10. Davis MR, Easter RL, Carlock JM, Weiss LW, Longo EA, Smith LM, Dawes JJ, **Schilling B**. Self-reported physical tasks and exercise training in special weapons and tactics (SWAT) teams. *J Strength Cond Res*. 2016;30:3242-3248.
11. de Oliveira S, da Cunha Nascimento D, Tibana RA, de Oliveira SL, de Sousa Neto IV, Falleiros RK, Miranda LG, Pedrosa HC, **Navalta JW**, et al. Elevated glycated hemoglobin levels impair blood pressure in children and adolescents with type 1 diabetes mellitus. *Diabetol Metab Syndr*. 2016;8:4. doi:10.1186/s13098-015-0118-0.
12. deBerardinis J, Trabia MB, **Dufek JS**. Review of foot plantar pressure—Focus on the development of foot ulcerations. *Open Access J Sci Technol*. 2016;4:1-7.
13. Estevan I, **Freedman Silvernail J**, Jandacka D, Falco C. Segment coupling and coordination variability analyses of the roundhouse kick in taekwondo relative to the initial stance position. *J Sports Sci*. 2016;34:1766-1773.
14. Fernandez-de-las-Penas C, Cleland J, Courtney CA, Hall TM, **Puentedura EJ**. Evidence-based clinically-informed manual therapy clinical reasoning for headache management. *Man Ther*. 2016;25(9):e5-e6.
15. Flores L, Bailey J, **Mercer JA**. Leg impact acceleration and ground reaction forces during running on a treadmill and overground [abstract]. *Med Sci Sports Exerc*. 2016;48(Suppl 5):1078.
16. Fry AC, Housh TJ, Cramer JB, Cramer JB, Weir JP, Beck TW, **Schilling B**, et al. Non-invasive assessment of skeletal muscle myosin heavy chain expression in trained and untrained men. *J Strength Cond Res*. 2016. doi:10.1519/JSC.0000000000001645.
17. Galpin AJ, Fry AC, Nicoll JX, Moore CA, **Schilling B**, Thomason DB. Resting extracellular signal-regulated protein kinase 1/2 expression following a continuum of chronic resistance exercise training paradigms. *Res Sports Med*. 2016;24:298-303.
18. Guss-West C, **Wulf G**. Attentional focus in classical ballet: a survey of professional dancers. *J Dance Med Sci*. 2016;20:23-29.
19. Halperin I, Chapman D, Martin D, Abbiss C, **Wulf G**. Coaching cues in amateur boxing: an analysis of feedback provided between rounds of competition. *Psychol Sport Exerc*. 2016;25:44-50.
20. Halperin I, Chapman D, Martin D, Lewthwaite R, **Wulf G**. Choices enhance punching performance of competitive kickboxers. *Psychol Res*. 2016:1-8. doi:10.1007/s00426-016-0790-1.
21. Harry JR, Barker LA, **Mercer JA**, **Dufek JS**. Vertical and horizontal impact force comparison during jump-landings with and without rotation in NCAA division 1 male soccer players. *J Strength Cond Res*. 2016. doi:10.1519/JSC.0000000000001650.
22. Hirschberg H, **Madsen SJ**. Cell mediated photothermal therapy of brain tumors. *J Neuroimmune Pharmacol*. 2016. doi:10.1007/s11481-016-9690-9.
23. **Ho K-Y**, Ho S, Colletti P. Use of ultrasonography for assessing treatment efficacy in a case with ankylosis of the temporomandibular joint. *J Orthop Sports Phys Ther*. 2016;46:225.
24. **Ho K-Y**, Kulig K. Changes in water content in response to an acute bout of eccentric loading in a patellar tendon with a history of tendinopathy: a case report. *Physiother Theory Pract*. 2016;32:566-570.
25. **Ho K-Y**, Standerfer A, Ngo S, Daun K, **Lee S-P**. Effects of fast walking on tibiofemoral bone water content in middle-aged adults. *Clin Biomech*. 2016;37:65-69.

26. Kenny T, McCune D, **Kruskall LJ**, **Navalta JW**, Hickman RA, **Young JC**. Vitamin D status and bone mineral density in female collegiate dancers and cheerleaders [abstract]. *Med Sci Sports Exerc.* 2016;48(Suppl 5):2670.
27. Koschel T, Manning J, Tacad D, Montes J, Tanner E, McCune D, Tovar A, Taylor J, **Young JC**, DeBeliso M, **Navalta JW**. Moderate altitude acclimation has no effect on respiratory exchange ratio, or percent of CHO and fat utilized during a 1-mile trail run [abstract]. *Med Sci Sports Exerc.* 2016;48(Suppl 5):3867.
28. **Landers M**, Hatlevig RM, Davis AD, Richards AR, Rosenlof LE. Does attentional focus during balance training in people with Parkinson's disease affect outcome? A randomised controlled clinical trial. *Clin Rehab.* 2016;30:53-63.
29. **Landers M**, Oscar S, Sasaoka J, Vaughn K. Balance confidence and fear of falling avoidance behavior are most predictive of falling in older adults: prospective analysis. *Phys Ther.* 2016;96:433-442.
30. **Lee S-P**, **Dufek JS**, Hickman RA, Schuerman SE. Influence of procedural factors on the reliability and performance of the timed up and go test in older adults. *Int J Gerontol.* 2016;10:37-42.
31. Louw A, Diener I, **Landers M**, **Puentedura EJ**. Three-year follow-up of a randomized controlled trial comparing preoperative neuroscience education for patients undergoing surgery for lumbar radiculopathy. *International Journal of Spine Surgery.* 2016;2:289-298.
32. Louw A, Diener I, **Puentedura EJ**, Fernandez-de-las-Penas C. Sham surgery in orthopaedics: a systematic review of the literature. *Pain Med.* 2016:1-15. doi:10.1093/pm/pnw164.
33. Louw A, Farrell K, **Landers M**, et al. The effect of manual therapy and neuroplasticity education on chronic low back pain: a randomized clinical trial. *J Man Manip Ther.* 2016:1-8. doi:10.1080/10669817.2016.1231860
34. Louw A, **Puentedura EJ**, Diener I. A descriptive study of the utilization of physical therapy for postoperative rehabilitation in patients undergoing surgery for lumbar radiculopathy. *Eur Spine J.* 2016;25:3550-3559.
35. Louw A, **Puentedura EJ**, Zimney K, Schmidt S. Know pain, know gain? A perspective on pain neuroscience education in physical therapy. *J Orthop Sports Phys Ther.* 2016;46(3):131-134.
36. Louw A, **Puentedura EJ**, Zimney K. Teaching patients about pain: it works, but what should we call it? *Physiother Theory Pract.* 2016;32:328-331.
37. Louw A, Zimney K, **Landers M**, Luttrell M, Clair B, Mills J. A randomised controlled trial of "clockwise" ultrasound for low back pain. *S Afr J Physiother.* 2016;72:1-7.
38. Louw A, Zimney K, **Puentedura EJ**, Diener I. The efficacy of pain neuroscience education on musculoskeletal pain: a systematic review of the literature. *Physiother Theory Pract.* 2016;32:332-55.
39. Louw A, Zimney K, **Puentedura EJ**. Retention of pain neuroscience knowledge: a multi-centre trial. *New Zeal J Physiother.* 2016;44:91-96.
40. **Madsen SJ**, Gonzales J, Zamora G, Berg K, Nair RK, Hirschberg H. Comparing the effects of light or sonic activated drug delivery: photo/sono chemical internalization. *J Environ Pathol Toxicol Oncol.* 2016;35(1):69-76.
41. **Madsen SJ**, Shih E-C, Peng Q, Christie C, Krasieva T, Hirschberg H. Photothermal enhancement of chemotherapy mediated by gold-silica nanoshell-loaded macrophages: in vitro squamous cell carcinoma study. *J Biomed Opt.* 2016;21:18004. doi:10.1117/1.JBO.21.1.018004
42. **Madsen SJ**. Photochemical internalization for solid malignancies. *Lancet Oncol.* 2016;17:1173-1174.

43. **Mercer JA**, Mata T, Soucy M, Barker L, Bailey J. Muscle activity during backward and forward running at reduced body weight [abstract]. *Med Sci Sports Exerc.* 2016;48(Suppl 5):410.
44. **Mercer JA**, Mata T, Soucy M, Barker L, Bailey J. Stride length, frequency, and velocity relationships during treadmill and overground running [abstract]. *Med Sci Sports Exerc.* 2016;48(Suppl 5):617-618.
45. **Mercer M**, Stone T, **Young JC**, **Mercer JA**. The effect of extreme cushioning shoes on running economy at different speeds and inclines [abstract]. *Med Sci Sports Exerc.* 2016;48(Suppl 5):8.
46. Mintken PE, McDevitt A, **Puentedura EJ**, Louw A. Use of neuroscience education, tactile discrimination, limb laterality and graded motor imagery in a patient with frozen shoulder [abstract]. *Man Ther.* 2016;25(9):e74.
47. Miyazaki K, **Kuang Y**, Kwee S. Changes in skeletal tumor activity on 18F-choline PET/CT in patients receiving 223radium radionuclide therapy for metastatic prostate cancer. *Nucl Med Mol Imaging.* 2015;49:160-164.
48. Montes J, **Young JC**, **Navalta JW**. Body composition and gender influence on heart rate measurements for the Hexoskin bio-collection shirt [abstract]. *Med Sci Sports Exerc.* 2016;48(Suppl 5):3587.
49. Morgan JJ, Higgins AK, Miller S, Pierce TB, Boone RA, **Tandy RD**. Teaching online social skills to students with emotional and behavioral disorders. *J Spec Edu Technol.* 2016;31(2):109-120.
50. Nascimento Dda C, **Navalta JW**, Durigan JL, et al. Acute eccentric resistance exercise decreases matrix metalloproteinase activity in obese elderly women. *Clin Physiol Funct Imaging.* 2016;36:139-145.
51. **Navalta JW**, Ciulei MA, Tacad DK, Tovar AP, **Young JC**. Global DNA methylation is stable across time and following acute exercise [abstract]. *Med Sci Sports Exerc.* 2016;48(Suppl 5):731.
52. **Navalta JW**, Fedor EA, Schafer MA, et al. Caffeine affects CD8+ lymphocyte apoptosis and migration differently in naïve and familiar individuals following moderate intensity exercise. *Int J Immunopathol Pharmacol.* 2016;29:288-294.
53. **Navalta JW**, Jarrett M, Ciulei M, Voltarelli F, **Tandy RD**, **Young JC**. The epigenomic marker global DNA methylation is related to measures of body composition and aerobic capacity in females but not in males. *J Mod Physiol Res.* 2016;2:1-10.
54. Nordin AD, **Dufek JS**, James CR, Bates BT. Classifying performer strategies in drop landing activities. *J Sports Sci.* 2016:1-6. doi:10.1080/02640414.2016.1240876.
55. Nordin AD, **Dufek JS**. Neuromechanical synergies in single-leg landing reveal changes in movement control. *Hum Mov Sci.* 2016;49:66-78.
56. Nordin, AD, **Dufek JS**. Single-leg landing neuromechanical data following load and land height manipulations. *Data Brief.* 2016;8:1024-1030.
57. Palmer K, Chiviawosky S, **Wulf G**. Enhanced expectancies facilitate golf putting. *Psychol Sport Exerc.* 2016;22:229-232.
58. Paquette MR, **Schilling B**, Bravo JD, Peel SA, Li Y, Townsend RJ. Computerized agility training improves change-of-direction and balance performance independently of footwear in young adults. *Res Q Exerc Sport.* 2016:1-8. doi:10.1080/02701367.2016.1252031.
59. **Puentedura EJ**, Flynn T. Combining manual therapy with pain neuroscience education in the treatment of chronic low back pain: a narrative review of the literature. *Physiother Theory Pract.* 2016;32:408-14.
60. **Puentedura EJ**, Slaughter R, Reilly S, Ventura E, **Young D**. Thrust joint manipulation utilization by U.S. physical therapists. *J Man Manip Ther.* 2016;9817(June):1–15.

61. Roper JL, Harding EM, Doerfler D, Dexter JG, Kravitz L, **Dufek JS**, et al. The effects of gait retraining in runners with patellofemoral pain: a randomized trial. *Clin biomech*. 2016;35:14-22.
62. Roper JL, Harding EM, Doerfler D, Dexter JG, Kravitz L, **Dufek JS**, et al. The effects of gait retraining on oxygen consumption and carbohydrate metabolism [abstract]. *Med Sci Sports Exerc*. 2016;48(Suppl 5):14.
63. Santo AS, Jacob B, Paul H, **Navalta JW**. Physiological responses and hedonics during prolonged physically-interactive video game play. *Games Health J*. 2016;5:108-113.
64. Shan G, Zhang H, Jiang T, Peterson H, **Young D**, Ma C. Exact p-values for Simon's two stage designs in clinical trials. *Stat Biosci*. 2016;8:351-357.
65. Soucy M, Bailey J, Barker L, **Mercer JA**. Muscle activity of the lower limb during single-legged hopping [abstract]. *Med Sci Sports Exerc*. 2016;48(Suppl 5):733-734.
66. Soucy M, Ciulei M, **Mercer JA**. Does wearing a triathlon wetsuit influence resting blood pressure for females? *Gazz Med Ital*. 2016;12:523-527.
67. Sparks SL, Pierce T, Higgins K, Miller SP, **Tandy R**. Increasing choice making in students with intellectual disabilities. *Educ Train Autism Dev Disabil*. 2016;51:331-343.
68. Stone TM, **Young JC**, **Navalta JW**, Wingo JE. An evaluation of select physical activity exercise classes (PEX) on bone mineral density [abstract]. *Med Sci Sports Exerc*. 2016;48(Suppl 5):186.
69. Tacad DK, Manning JW, Montes J, Tanner E, McCune D, Koschel T, Tovar A, Taylor J, **Navalta JW**, DeBeliso M, **Young JC**. Post exercise hypotension response in non-hypertensive adults following a self-paced trail run [abstract]. *Med Sci Sports Exerc*. 2016;48(Suppl 5):361.
70. Tanner E, Manning JW, Taylor J, Montes J, McCune D, Koschel T, Tacad DK, Tovar A, **Young JC**, DeBeliso M, **Navalta JW**. Validation of Hexoskin biometric shirt to Cosmed k4b2 metabolic unit in adults during trail running [abstract]. *Med Sci Sports Exerc*. 2016;48(Suppl 5):461.
71. Tanner E, Montes J, Manning J, Taylor J, DeBeliso M, **Young JC**, **Navalta JW**. Validation of Hexoskin biometric shirt to COSMED K4b2 metabolic unit in adults during trail running. *Sports Tech*. 2016;8(3-4):118-123.
72. Tibana RA, de Almeida LM, de Frade Sousa NM, Nascimento Dda C, Neto IV, de Almeida JA, de Souza VC, Lopes Mde F, Nobrega Ode T, Vieira DC, **Navalta JW**, et al. Two consecutive days of crossfit training affects pro and anti-inflammatory cytokines and osteoprotegerin without impairments in muscle power. *Front Physiol*. 2016;7:260.
73. **Turner CL**, Crow S, Crowther T, Keating B, Saupan T, Pyfer J, Vialpando K, **Lee S-P**. Preventing non-contact ACL injuries in female athletes: what can we learn from the dancers? *Phys Ther Sport*. In Press.
74. Wiegand K, **Silvernail J**, **Dufek JS**. Changes in sprint kinetics and kinematics following static or dynamic stretching [abstract]. *Med Sci Sports Exerc*. 2016;48(Suppl 5):447-448.
75. Wilson JN, **Navalta JW**. Leukocyte responsiveness to exercise in individuals positive for human cytomegalovirus. *Int J Sports Med*. 2016;37:395-400.
76. **Wulf G**, Lewthwaite R. Optimizing performance through intrinsic motivation and attention for learning: the OPTIMAL theory of motor learning. *Psychon Bull Rev*. 2016;23:1382-1414.
77. **Wulf G**. An external focus of attention is a conditio sine qua non for athletes: a response to Carson and Collins. *J Sports Sci*. 2016;34:1293-1295.
78. **Young DL**, Moonie S, Bungum TJ. Cross-sectional examination of patient and therapist factors affecting participation in physical therapy in acute care hospital settings. *Phys ther*. 2016;97(1):3-12.

## Presentations

1. Aguilar CD, Woita AC, Montes J, Bodell NG, Tanner EA, MacDonald GA, **Navalta JW**. Prediction of mechanical efficiency from body fat percentage and years of experience in male and female rock climbers. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
2. Barker L, Harry J, **Dufek JS**, **Mercer JA**. Performance of aerial rotation during vertical jumping among highly skilled collegiate soccer players. Presented at: American Society of Biomechanics Annual Meeting; August 2-5, 2016; Raleigh, NC.
3. Bradley S, Wiegand K, **Radzak K**, **Freedman Silvernail J**. Correlation between ankle power and ankle strength in collegiate cross country runners. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
4. Bradley S, Wiegand K, **Miller KN**, **Freedman Silvernail J**. Quadriceps and hamstring strength: a relationship to number of competitive years on the cross-country team. Presented at: American College of Sports Medicine Annual Meeting; May 31- June 4, 2016; Boston, MA.
5. Bodell NG, Tanner EA, Montes J, MacDonald GA, Thomas C, Taylor J, Manning JW, **Navalta JW**. Excess post-exercise oxygen consumption following bouts of moderate and vigorous climbing. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
6. Chiviawosky S, Silva M, Lessa H, **Wulf G**. External focus of attention enhances children's learning of a pirouette en dehors. Presented at: Annual Meeting of the North American Society for the Psychology of Sport and Physical Activity; June 15-18, 2016; Montreal, Canada.
7. **Cucinotta FA**. Multi-level simulation of biological effects of radiation. Presented at: German Research Center of Environmental Health, Helmholtz Research School, Annual Retreat; November 8, 2016; Garmish-Partenkirchen, Germany.
8. **Cucinotta FA**, To K, Cacao E. Cancer risks estimates for exploration are robust: however major scientific questions remained unanswered. Presented at: the Annual Meeting of Radiation Research Society; October 19, 2016; Waikoloa Village, HI.
9. **Cucinotta FA**. Low dose and high LET effects on cognition. Presented at: Soochow University; May 20, 2016; Suzhou, China.
10. **Cucinotta FA**. Space radiation research and human spaceflight. Presented at: Fragrant Hill Workshop, Chinese Academy of Sciences; May 17, 2016; Beijing, China.
11. **Cucinotta FA**. Space radiation health effects. Presented at: MD Anderson Radiation Oncology; February 17, 2016; Houston, TX.
12. **Cucinotta FA**. Enabling exploration of mars through radiation research. Presented at: Radiation Research Society Annual Meeting; October 16 - 20, 2016; Waikoloa Village, HI.
13. De Albuquerque LL, **Poston BJ**. The influence of transcranial random noise stimulation on motor skill acquisition and learning in a golf putting task. Presented at: Society for Neuroscience Annual Meeting; November 16, 2016; San Diego, CA.
14. De Albuquerque L, Fisher K, **Jalene S**, **Landers M**, **Poston BJ**. The influence of cerebellar transcranial direct current stimulation on skill acquisition in Parkinson's disease. Presented at: the 4th World Parkinson Congress; September 20-23, 2016; Portland, OR.
15. **Dufek JS**, Harry J, Eggleston J, Bates B. A novel data analysis approach for identification of performance differences during locomotion. Presented at: Gait and Clinical Movement Analysis Society Annual Conference; May 17-20, 2016; Memphis, TN.
16. Dunn J, Feng D, **Girouard TJ**, **Freedman Silvernail J**, **Landers M**, **Radzak KN**. Post-concussion symptom reporting: is gender a factor in the adolescent population? Presented at: National Athletic Trainers' Association Annual Meeting; June 20-26, 2016; Houston, TX.

17. Eggleston J, Harry J, Hickman R, **Dufek JS**. Evaluation of gait symmetry in children with autism spectrum disorder. Presented at: American Society of Biomechanics Annual Meeting; August 2-5, 2016; Raleigh, NC.
18. Epstein R, Garcia R, Riley N, **Lee S-P, Turner CL, Ho KY**. The effects of patellofemoral taping on patellofemoral joint alignment and contact area. Presented at: American Physical Therapy Association's Combined Sections Meeting; February 17-20, 2016; Anaheim, CA.
19. **Freedman Silvernail J, Radzak K**, Nakasone C, Andrews S, Stickley C. Progression in gait symmetry following total hip arthroplasty. Presented at: Western Society of Kinesiology and Wellness Conference; October 11-13, 2016; Reno, NV.
20. **Freedman Silvernail J**. Variability, aging and running injuries: how are they all related? Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
21. Harry J, Barker L, **Mercer JA, Dufek JS**. Differences in vertical impact forces during jump-landings among soccer players of different playing positions. Presented at: the American Society of Biomechanics Annual Meeting; August 2-5, 2016; Raleigh, NC.
22. Harry J, Eggleston J, Hickman RA, **Dufek JS**. Walking mechanics and within-subject variability in monozygotic twins with autism spectrum disorder. Presented at: American Society of Biomechanics Annual Meeting; August 2-5, 2016; Raleigh, NC.
23. **Hensley C**. Chest X-ray: Cardiovascular edition. Presented at: the Nevada Society of Radiologic Technologists State Meeting; April 30, 2016; Elko, NV.
24. **Hensley C**. The radiographic signs of child abuse and the technologist's role. Presented at: Oklahoma Society of Radiologic Technologists Conference; March 31, 2016; Oklahoma City, OK.
25. Hickman R, McConnell J, Silverman B, Harry JR, **Lee S-P, Morris BT, Dufek JS**. Evaluating usability and agreement among selected low- and high technology approaches to clinical gait analysis. Presented at: the American Physical Therapy Association NEXT Conference; June 8-10, 2016; Nashville, TN.
26. Hickman RA, **Dufek JS**, Morris BT, **Lee S-P**. Serious games: novel, large amplitude movement physical therapy intervention and rehabilitation game for children with cerebral palsy. Presented at: Clinical Translational Research - Infrastructure Network Annual Meeting; June 2016; Las Vegas, NV.
27. Iwatsuki T, Gushiken T, Brcic D, **Wulf G**. Does random practice promote a more effective focus of attention than blocked practice? Presented at: Annual Meeting of the North American Society for the Psychology of Sport and Physical Activity; June 15-18, 2016; Montreal, Canada.
28. James CR, Atkins L, Yang H, **Dufek JS**, Bates BT. Prediction of calcaneal bone competence from biomechanical accommodation variables measured during weighted walking. Presented at: Gait and Clinical Movement Analysis Society Annual Conference; May 17-20, 2016; Memphis, TN.
29. Kipnis CM, **Samuel MN, Tandy RD**, Wiegand KR, **Radzak KN**. The acute effects of different foam rolling timing duration on hamstring flexibility. Presented at: Far West Athletic Trainers' Association Annual Meeting; July 12-16, 2016; Las Vegas, NV.
30. Kipnis CM, **Samuel MN, Tandy RD**, Wiegand KR, **Radzak KN**. The acute effects of different foam rolling timing duration on hamstring flexibility. Presented at: National Athletic Trainers' Association Annual Meeting; June 20-26, 2016; Houston, TX.
31. Kipnis CM, **Samuel MN, Tandy RD**, Wiegand KR, **Radzak KN**. The acute effects of different foam rolling timing duration on hamstring flexibility. Presented at: California Athletic Trainer's Association Annual Meeting; June, 2016; Sacramento, CA.

32. Kipnis CM, **Samuel MN, Tandy RD**, Wiegand KR, **Radzak KN**. The acute effects of different foam rolling timing duration on hamstring flexibility. Presented at: Nevada Athletic Trainer's Association Annual Meeting; October 28, 2016; Las Vegas, NV.
33. **Knurick JR**, Johnston CS, Gaesser GA. Effects of postmeal walking on postprandial glucose control and oxidative stress. Presented at: American College of Sports Medicine Annual Meeting; May 31 – June 4, 2016; Boston, MA.
34. **Knurick JR**, Johnston CS, Gaesser GA. Effects of postmeal walking on postprandial glucose control and oxidative stress. Presented at: UNLV Division of Health Sciences Interdisciplinary Scholarship Research Day; April 1, 2016; Las Vegas, NV.
35. **Knurick JR**. Effects of postmeal walking on postprandial glucose control and oxidative stress. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
36. Koschel TL, **Young JC, Navalta JW**. Exer-Study: for the brain, for the body. Walking while studying proves more effective than sedentary study. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
37. **Kruskall LJ**. Insights and controversies in sports nutrition: current issues in endurance sports. Presented at: American College of Sports Medicine Health & Fitness Summit; March 29- April 1, 2016; Orlando, FL.
38. **Kruskall LJ**. Anti-inflammatory eating. Presented at: American College of Sports Medicine Health & Fitness Summit; March 29- April 1, 2016; Orlando, FL.
39. **Kruskall LJ**. DPND student clinical poster session. Presented at: Nevada Dietetic Association; October 16-19, 2016; Las Vegas, NV.
40. **Landers M, Navalta JW**. A phase II, pragmatic, randomized clinical trial on a high-intensity exercise and fall prevention boot camp for Parkinson's disease: feasibility and safety. Presented at: the 4th World Parkinson Congress; September 20-23, 2016; Portland, OR.
41. **Landers M, Navalta JW**. A phase II, pragmatic, randomized clinical trial on a high-intensity exercise and fall prevention boot camp for Parkinson's disease: signal of efficacy. Presented at: the 4th World Parkinson Congress; September 20-23, 2016; Portland, OR.
42. **Landers M, Poston BJ**. A comparison of the characteristics of those with Parkinson's disease who present with the postural instability/gait difficulty and the tremor dominant subtypes. Presented at: the 4th World Parkinson Congress; September 20-23, 2016; Portland, OR.
43. **Landers M, Poston BJ**, Nash J, Longhurst J. Freezing of gait is associated with more fear of falling avoidance behavior and less participation in daily physical activity. Presented at: the 4th World Parkinson Congress; September 20-23, 2016; Portland, OR.
44. **Landers M, Poston BJ**. A comparison of the characteristics of those with Parkinson's disease who present with the postural instability/gait difficulty and the tremor dominant subtypes. Presented at: UNLV's 9th Annual Interdisciplinary Research Scholarship Day; April 1, 2016; Las Vegas, NV.
45. **Landers M, Poston BJ**, Nash J, Longhurst J. Freezing of gait is associated with more fear of falling avoidance behavior and less participation in daily physical activity. Presented at: UNLV's 9th Annual Interdisciplinary Research Scholarship Day; April 1, 2016; Las Vegas, NV.
46. **Landers M**, Sasaoka J, Oscar S, Vaughn K. A prospective analysis of physical and psychological measures in predicting future falls in older adults. Presented at: American Physical Therapy Association's Combined Sections Meeting; February 17-20, 2016; Anaheim, CA.
47. **Landers M**, Blood J, Ostrander J, Parrish G. Do the physical therapist's words really matter? The effects of enhanced and decreased expectations on balance performance in



- those with and without Parkinson's disease. Presented at: American Physical Therapy Association's Combined Sections Meeting; February 17-20, 2016; Anaheim, CA.
48. **Lee S-P**, Barton S, Brown D, Joyce T, Bailey J. Four weeks of minimalist style running training led to reduced lumbar paraspinal muscle activation during shod running. Presented at: American Physical Therapy Association's Combined Sections Meeting; February 17-20, 2016; Anaheim, CA.
  49. **Lee, S-P**, Bair B, Gama M, Toberman M, Hsu Y-T. Prevalence and risk factors for neck and shoulder musculoskeletal complaints in users of tablet computers. Presented at: American Physical Therapy Association's Combined Sections Meeting; February 17-20, 2016; Anaheim, CA.
  50. Lemos A, **Wulf G**, Lewthwaite R, Chiviacowsky S. Autonomy support enhances performance expectancies, task-focus, and learning: support for the OPTIMAL theory of motor learning. Presented at: North American Society for the Psychology of Sport and Physical Activity; June 15-18, 2016; Montreal, Canada.
  51. **Liang JN**, Segal RL. Asymmetric ankle kinematics during walking post-stroke is associated with impaired reciprocal inhibition of plantarflexor H-reflex from dorsiflexor activity. Presented at: American Physical Therapy Association's Combined Sections Meeting; February 17-20, 2016; Anaheim, CA.
  52. **Madsen SJ**. Light and ultrasound based approaches for enhancing drug delivery to the brain. Presented at: McMaster Symposium on Physics in Medicine and Biology: The Patterson Lectures; June 9-10, 2016; Hamilton, Ontario, Canada.
  53. **Madsen SJ**, Christie C, Peng Q, Uzal F, Hirschberg H. Increasing the efficacy of antitumor glioma vaccines by photodynamic therapy and local injection of allogeneic glioma cells. Presented at: SPIE - BIOS 2016; February 13, 2016; San Francisco, CA.
  54. MacDonald GA, Montes J, Tanner EA, Bodell NG, Manning JW, **Navalta JW**. A mile trail run can predict performance for a 5k trail race. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
  55. Martin K, Gewelber CL, Molly M, **Kins KM**. Health outcomes in the intellectually disabled: past, present, and future. Presented at: the 16th Annual Meeting of the Southern Association for the History of Medicine and Science; March 18, 2016; Las Vegas, NV.
  56. **McCune D**. Fuel talk. Panel at Fuelixir Fuel Talk; September 22, 2016; Las Vegas, NV.
  57. **McCune D**. Under eating and under performing. Presented at: American College of Sports Medicine Health & Fitness Summit; March 29- April 1, 2016; Orlando, FL.
  58. **McCune D**. Insights and controversies in sports nutrition. Presented at: American College of Sports Medicine Health & Fitness Summit; March 29 – April 1, 2016; Orlando, FL.
  59. **McCune D**. What is healthy food? Eating to fuel the body. Presented at: Juvenile Diabetes Research Foundation Type One Nation Summit; May 12, 2016; Las Vegas, NV.
  60. Mercer M, **Freedman Silvernail J**, Bailey J, Wiegand K, **Mercer JA**. Ground reaction forces during running in extreme cushioning shoes. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
  61. **Miller KN**, Wiegand K, Bradley S, Ollano V, **Freedman Silvernail J**. Running gait biomechanics of female collegiate track athletes with previous hamstring strain: an initial investigation. Presented at: National Athletic Trainer's Association Annual Meeting; June 22-25, 2016; Baltimore, MD.
  62. Mintken P, McDevitt A, **Puentedura EJ**, Louw A. Use of neuroscience education, limb laterality, tactile discrimination and graded motor imagery during the freezing stage of frozen shoulder: a case report. Presented at: the American Physical Therapy Association's Combined Sections Meeting; February 20, 2016; Anaheim CA.
  63. Montes J, **Navalta JW**. Energy expenditure and step count analysis of the Fitbit Flex activity tracker. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.

64. **Navalta JW**, Montes J, Tanner EA, Bodell NG, **Young JC**. Sex and age differences in trail half marathon running. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
65. Nordin A, **Dufek JS**. Mechanical task demands alter neuromechanical synergies in single-leg landing. Presented at: the American Society of Biomechanics Annual Meeting; August 2-5, 2016; Raleigh, NC.
66. Ollano V, Wiegand K, Bradley S, **Freedman Silvernail J**, **Radzak KN**. Influence of previous hamstring strain injury on isokinetic strength measures. Presented at: Far West Athletic Trainer's Association; June, 2016; Kona, HI.
67. Ollano VE, Wiegand K, **Radzak KN**, **Freedman Silvernail, J**. Isokinetic strength differences is collegiate distance runners with previous hamstring strains. Presented at: Far West Athletic Trainer's Association; June, 2016; Kona, HI.
68. Pfand C, Shan G, **Young D**. Physical therapy nontreatment events for patients with two visits in a day. Presented at: UNLV's REU and INBRE Undergraduate Research Symposium; August 4, 2016; Las Vegas, NV.
69. **Poston BJ**. The influence of cerebellar transcranial direct current stimulation on motor skill acquisition and learning in a throwing task. Presented at: Society for Neuroscience Annual Meeting; November 16, 2016; San Diego, CA.
70. **Puentedura EJ**. Manual therapy for the thoracic spine. Presented at: the International Spine Pain Institute & Evidence in Motion; October 12-13, 2016; Gardendale, AL.
71. **Puentedura EJ**. Spinal Manipulation for Physical Therapists. Presented at: the International Spine Pain Institute & Evidence in Motion; October 8-9, 2016; Naperville, IL.
72. **Puentedura EJ**. Spinal manipulation for physical therapists. Presented at: the International Spine Pain Institute & Evidence in Motion; October 1-2, 2016; Liberty, MO.
73. **Puentedura EJ**, Rappaport J, Park E. Power ortho: managing spinal injuries. Presented at: Western Occupational & Environmental Medical Association's Health Conference; September 15-17, 2016; Las Vegas, NV.
74. **Puentedura EJ**. Central sensitization: thinking beyond anatomy and biomechanics. Presented at: the International Spine Pain Institute - Evidence in Motion; June 25, 2016; Minneapolis, MN.
75. **Puentedura EJ**, Fernandez-de-las-Penas C, Courtney C, Cleland J, Hall T. Evidence-based clinically-informed manual therapy clinical reasoning for headache management. Presented at: International Federation of Manual Physical Therapists Conference; July 4-8, 2016; Glasgow, Scotland.
76. **Puentedura EJ**, Flynn T. Spinal manipulation. Presented at: the International Spine Pain Institute - Evidence in Motion; June 24, 2016; Minneapolis, MN.
77. **Puentedura EJ**. Pain neuroscience education. Presented at: Concord Hospital Rehabilitation Services; June 3, 2016; Concord, NH.
78. **Puentedura EJ**. Therapeutic neuroscience education, weekend intensive. Presented at: International Spine Pain Institute & Evidence in Motion Therapeutic Pain Specialist Program; April 30 - May 1, 2016; Des Moines, IA.
79. **Puentedura EJ**. Neurodynamics: The body's living alarm system. Presented at: the International Spine Pain Institute & Evidence in Motion; April 23-24, 2016; Milwaukee, WI.
80. **Puentedura EJ**. Differential diagnosis of the upper quadrant. Presented at: the International Spine Pain Institute & Evidence in Motion; March 19-20, 2016; Duluth, MN.
81. **Puentedura EJ**. Spinal manipulation: a physical therapy approach. Presented at: Physioscience of Rio de Janeiro; April 4-6, 2016; Rio de Janeiro, Brazil.
82. **Puentedura EJ**. Therapeutic neuroscience education: educating patients about pain. Presented at: Physioscience of Rio de Janeiro; April 1-3, 2016; Rio de Janeiro, Brazil.
83. **Puentedura EJ**. Manual therapy for the thoracic spine. Presented at: the International Spine Pain Institute & Evidence in Motion; March 5-6, 2016; Liberty, MO.

84. **Puentedura EJ**. Neurodynamics course. Presented at: the International Spine Pain Institute & Evidence in Motion; February 27-28, 2016; Naperville, IL.
85. **Puentedura EJ**, Cleland JA, Courtney C, Fernandez-de-las-penas C. Clinical reasoning for manual therapy management of tension-type and cervicogenic headache. Presented at: the American Physical Therapy Association's Combined Sections Meeting; February 20, 2016; Anaheim, CA.
86. **Puentedura EJ**, Louw A. Preoperative neuroscience education for lumbar radiculopathy. Presented at: the American Physical Therapy Association's Combined Sections Meeting; February 20, 2016; Anaheim, CA.
87. **Puentedura EJ**, Reilly S, Slaughter R, Ventura E. Utilization of spinal manipulation: A survey study. Presented at: the American Physical Therapy Association's Combined Sections Meeting; February 19, 2016; Anaheim, CA.
88. **Puentedura EJ**. Manual therapy for the thoracic spine. Presented at: the International Spine Pain Institute & Evidence in Motion; February 6-7, 2016; Cincinnati, OH.
89. **Puentedura EJ**. Advanced manipulation skills for physical therapists. Presented at: the International Spine Pain Institute & Evidence in Motion; January 30-31, 2016; Flower Mound, TX.
90. **Radzak KN**, Andrews SN, Stickley CD. Knee mechanics across the lifespan: implications for prevention and care of pathologies. Presented at: National Athletic Trainers' Association Annual Meeting; June 20-26, 2016; Houston, TX.
91. **Radzak KN**, Tamura K, Stickley CD. Biomechanical factors associated with knee overuse injury related to fatigued running gait: a preliminary analysis. Presented at: Gait and Clinical Movement Analysis Society Annual Conference; May 17-20, 2016; Memphis, TN.
92. Roper JL, Harding E, Doerfler D, Dexter JG, **Dufek JS**, Mermier CM. The effects of gait retraining on oxygen consumption and carbohydrate metabolism. Presented at: American College of Sports Medicine Annual Meeting; May 31 – June 4, 2016; Boston, MA.
93. Sedory J, Hunt B, **Radzak KN**. Tourniquets, hemostatic agents, and airways. Working with law enforcement in atypical scenarios. Presented at: Far West Athletic Trainers' Association Annual Meeting; July 12-16, 2016; Las Vegas, NV.
94. Sestini L, Wilde R, Jeng C-C, **Lee S-P**, Schuerman S. Physical mobility in older adults: influences of body composition, polypharmacy, and comorbidity. Presented at: American Physical Therapy Association's Combined Sections Meeting; February 17-20, 2016; Anaheim, CA.
95. Soucy M, Bailey J, **Silvernail J**, **Navalta JW**, **Mercer JA**. Examining the effects of body weight support and speed on physiological measures and lower extremity muscle activity. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
96. Standerfer A, Ngo S, Daun K, **Lee S-P**, **Ho KY**. Locomotion-induced shock loading and tibiofemoral joint bone stress injury. Presented at: American Physical Therapy Association's Combined Sections Meeting; February 17-20, 2016; Anaheim, CA.
97. Tacad DK, **Young JC**, **Kruskall LJ**, **Navalta JW**, **Tandy RD**. Hunger games: the effects of alternate day fasting on food intake, body weight, and leptin and ghrelin in rats. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
98. Tallent RC, Woita AC, Aguilar CD, **Young JC**, **Navalta JW**, et al. Comparison of mechanical efficiencies from steady state and rapid speed rock climbs. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
99. Tanner EA, **Navalta JW**. Prediction of cardiorespiratory fitness from maximal anaerobic capacity in young adults: a pilot study. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.

100. Turner CL, Keating B, Pyfer J, Vialpando K, **Lee S-P**. The effects of instruction on landing strategies in female college-aged dancers and non-dancers: a pilot study. Presented at: American Physical Therapy Association's Combined Sections Meeting; February 17-20, 2016; Anaheim, CA.
101. Wiegand K, **Freedman Silvernail J, Dufek JS**. Changes in sprint kinetics and kinematics following static or dynamic stretching. Presented at: American College of Sports Medicine Annual Meeting; May 31 – June 4, 2016; Boston, MA.
102. Wiegand K, **Freedman Silvernail J**. The effect of small perturbations in running velocity on measures of coordination variability. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
103. Woita AC, **Young JC, Navalta JW**, et al. Mechanical efficiency during repeated attempts of indoor rock climbing. Presented at: Southwest American College of Sports Medicine Annual Meeting; October 21-22, 2016; Costa Mesa, CA.
104. **Wulf G**. Optimizing the acquisition of sport skills: The OPTIMAL theory of motor learning. Presented at: the British Psychological Society; December, 2016; Cardiff, United Kingdom.
105. **Wulf G**, Lewthwaite R. Optimal motor learning. Presented at: Memorial conference for Ann Gentile: The Future of Motor Learning in Rehabilitation and Movement; November 5-6, 2016; New York, NY.
106. **Wulf G**. Training Par Excellence: the OPTIMAL theory of motor learning. Presented at: Art in Motion – Training for Excellence; June 24-25, 2016; Munich, Germany.
107. **Wulf G**, Machin B, Kellogg J, Copeland C, Lewthwait R, Iwatsuki T. Lassoing positive affect and motor learning through choice. Presented at: North American Society for the Psychology of Sport and Physical Activity; June 15-18, 2016; Montreal, Canada.
108. **Wulf G**, Lewthwaite R. Optimizing performance through intrinsic motivation and attention for learning: the OPTIMAL theory of motor learning. Presented at: North American Society for the Psychology of Sport and Physical Activity; June 15-18, 2016; Montreal, Canada.
109. **Wulf G**. Schema theory – and what we have learned over the past four decades. Symposium: honoring Richard A. Schmidt. Presented at: North American Society for the Psychology of Sport and Physical Activity; June 15-18, 2016; Montreal, Canada.
110. **Young D**, Phillips P, Chakravarthy D. Cross sectional study: comparison of hospital acquired infection rates when CHG is used in conjunction with a botanical skin care products compared to CHG used with other skin care products. Presented at: Clinical Symposium on Advances in Skin & Wound Care, Lippincott Williams & Wilkins; October 9, 2016; Las Vegas, NV.
111. **Young D**, Cobb E, Hurst J, Konshuk E. Use of a mobile application to increase patient compliance to a prescribed home exercise program and improve patient outcomes. Presented at: American Physical Therapy Association's Combined Sections Meeting; February 17-20, 2016; Anaheim, CA.