**A. Wayne Johnson**

**PhD, MSPT, CSCS**

**Personal Information**

Associate Professor

266 SFH

Brigham Young University

Department of Exercise Sciences

Provo, UT 84602

Phone: 801-422-5490, Fax: 801-422-0555

E-mail: wayne\_johnson@byu.edu

**Educational History**

**PhD, Exercise Science**, Physical Medicine and Rehabilitation

2007 Brigham Young University, Provo, UT

**MS, Physical Therapy**

1997 University of Alabama at Birmingham, Birmingham, AL

**BS, Exercise Science**, Pre-Physical Therapy

1995 Brigham Young University, Provo, UT

***State Licensure and Certifications***

Physical Therapist, **State** of Utah, 2002–Present

Physical Therapist, State of Idaho, 1998–Present

Certified Strength and Conditioning Specialist (CSCS), 2000–Present

**Professional Experience**

Associate Professor, Department of Exercise Sciences, Brigham Young University, September 2013–Present

Assistant Professor, Department of Exercise Sciences, Brigham Young University, September 2006–2013

Physical Therapist, Central Utah Clinic, Physical Therapy, Provo, UT, 2005–2011 (per diem)

Physical Therapist, Sunrise Home Health, Provo, UT, 2003–2006

Physical Therapist, Horizon Home Health, Orem, UT, 2002–2005

Physical Therapist, FitQuest Physical Therapy, Orem, UT, 2002–2004

Physical Therapist, Integrated Therapies, Madison Memorial Hospital, Rexburg, ID, 1997–2002

Physical Therapist, Valley Home Health, Rexburg, ID, 2000–2002

Physical Therapist, Tri-County School District, St. Anthony, ID, 2001–2002

***UNIVERSITY APPOINTMENTS***

2006–Present Brigham Young University

2013 Associate Professor

2007 Assistant Professor

2007 Graduate Faculty

2006 Instructor (ABD)

***PHYSICAL THERAPY WORK HISTORY***

**Physical Therapy Work Experience**

**State Licensure: Idaho and Utah**

*Outpatient*

Central Utah Clinic, Physical Therapy, Provo, UT 2005–2011 (per diem)

FitQuest Physical Therapy, Orem, UT 2002–2004

Integrated Therapies, Madison Memorial Hospital, Rexburg, ID, 1997–2002

Orthopedic, Neuro-rehabilitation, Pediatric Care, Burn and Wound Care, Aquatic Therapy

*Inpatient*

Integrated Therapies, Madison Memorial Hospital, Rexburg, ID, 1997–2002

Orthopedic, Neuro-Rehabilitation, Burn and Wound Care

*Home Health*

Sunrise Home Health, Provo, UT, 2003–2006

Horizon Home Health, Orem, UT, 2002–2005

Valley Home Health, Rexburg, ID, 2000–2002

*School-Based Physical Therapy*

Tri-County School District, St. Anthony, ID, 2001–2002

**Physical Therapy Clinical Rotations**

**Eastern Idaho RMC,** Idaho Falls, ID

October 27–December 5, 1997

Outpatient affiliation

**Madison Memorial Hospital,** Rexburg, ID

September 8–October 17, 1997

Acute care/outpatient affiliation

**Jefferson County School System**, Birmingham, AL

March 24–May 2, 1997

Pediatric therapy in a public school setting

Provided evaluation and treatment of children throughout the county

**Druid City Hospital,** Tuscaloosa, AL

August 12–September 6, 1996

Acute rotations in wound care, orthopedics, and neurological deficits

**Teaching**

ExSc 460 Orthopedic Impairments and Therapeutic Exercise, 2004–Present

ExSc 390 Advanced Human Musculoskeletal Anatomy (changing to ExSc 440 in Fall 2017; formerly known as Musculoskeletal Functional Anatomy and Kinesiology, ExSc 400), 2004–Present

ExSc 625R Diagnostic Testing, 2014–Present

ExSc 625R Spinal Mobilization (changing to Mechanical Spinal Impairment and Mobilization Fall 2017), 2006–Present

ExSc 361 Motor Learning, 2004–2005

ExSc 400L Anatomy Lab Instructor, 2003–2006

***Teaching Awards***

College of Life Sciences – Outstanding Teaching Award 2015

***Graduate Student Committee Service***

**Chair**

*Master’s Students*

1. Jaysen Hatch Admitted 2018
2. Julia Dunbar Admitted 2016 Graduated 2018
3. Kelsey Garner Admitted 2014 Graduated 2016
4. Tiffany deVries Admitted 2014 Graduated 2016
5. Jarom Bridges Admitted 2012 Graduated 2015
6. Katy Andrews Neves Admitted 2012 Graduated 2014
7. Caisa Brooks Admitted 2009 Graduated 2013
8. Alyssa Smyres Evanson Admitted 2010 Graduated 2012
9. Cheryl Stapley Smith Admitted 2009 Graduated 2012
10. Carie Eastman Admitted 2008 Graduated 2011
11. Taubi Neves Admitted 2006 Graduated 2010

**Committee Member**

*Doctoral Students*

1. Robert Larson Admitted 2015
2. Kent Crossley Admitted 2015
3. Jennifer Bowden Admitted 2012 Graduated 2017
4. B. Brett Mortensen Admitted 2010 Graduated 2018
5. Greg Von Forell (Me EN) Admitted 2012 Graduated 2013
6. Justin Rigby Admitted 2010 Graduated 2013
7. Romina Villamonte Admitted 2002 Graduated 2009

*Master’s Students*

1. Aubree McLeod Admitted 2017
2. Nicole Denney Tafuna’I Admitted 2017
3. Adrienne Henderson Admitted 2016 Graduated 2018
4. Victoria Violette Admitted 2016
5. Amber Bethers Admitted 2015 Graduated 2018
6. Mark Olsen Admitted 2015 Graduated 2018
7. Erika Richards Admitted 2014 Graduated 2017
8. Sarah Klopp Admitted 2014 Graduated 2017
9. Kelly Cheever Admitted 2012 Graduated 2014
10. Susan Ashdown Admitted 2010 Graduated 2013
11. Jared Franson Admitted 2010 Graduated 2013
12. Paula Johnson Admitted 2010 Graduated 2013
13. Tyler Standifird Admitted 2010 Graduated 2012
14. Amanda Hawks Admitted 2010 Graduated 2011
15. Joshua Allen Admitted 2008 Graduated 2011
16. Lucia Maloy Admitted 2006 Graduated 2009
17. Travis Epperson Admitted 2006 Graduated 2009
18. Joel Reece Admitted 2006 Graduated 2009

*Undergraduate Mentoring*

**2018**

1. Brad Johnson Physical Therapy
2. Jeremy Ensign Physical Therapy
3. Marielle Mitchell Physical Therapy
4. Savanna Maradiaga Physician Assistant
5. Ian Piepgrass Medical School
6. Andrew Humpheries Podiatry
7. Spencer Romney Medical School
8. Jared Ivan Medical School
9. Jacob Ivan Medical School
10. Lindsey Goodman Physical Therapy/Speech Language Pathology
11. Kathryn (Annie) Brewerton Medical School
12. Jenna Goode Research Lab
13. Kayla McWilliams Physical Therapy
14. Tyler Ostler Medical School
15. Christopher Thompson Medical School
16. Hunter Anderson Medical School
17. Coleton Anderson Medical School
18. Keisha Perkins Athletic Training/Physical Therapy
19. Dallin Low Medical School
20. Bryce Allan Physical Therapy
21. Ben Miles Physical Therapy
22. Clint Frandsen PhD in MR Physics, Biomedical imaging
23. Cyera Bishop PhD in MR Physics
24. Kylie Thomson Physical Therapy
25. Jaysen Hatch Medical School/Graduate Master’s Program
26. Matt McClung Medical School

**2017**

1. Kayla McWilliams Physical Therapy
2. Kennedy Poplawski Physical Therapy
3. Tyler Ostler Medical School
4. Braden Lott Physical Therapy
5. Ethan Bent Medical School
6. Christopher Thompson Medical School
7. Hunter Anderson Medical School
8. Coleton Anderson Medical School
9. Keisha Perkins Athletic Training/Physical Therapy
10. Dallin Low Medical School
11. Bryce Allan Physical Therapy
12. Ben Miles Physical Therapy
13. Clint Frandsen PhD in MR Physics, Biomedical imaging
14. Cyera Bishop PhD in MR Physics
15. Kylie Thomson Physical Therapy
16. Jaysen Hatch Medical School/Graduate Master’s Program

**2016**

1. Ethan Bent Medical School
2. Matt McClung Medical School
3. Braden Lott Physical Therapy
4. Marshall Henrie Medical School
5. Tyler Ostler Medical School
6. Kevin Jurgensmeier Medical School

**2015**

1. David Griffin Medical School
2. Spencer Felton Law School
3. Mark Olsen Exercise Sciences Master’s/Medical School
4. Kara Seabrook Physician Assistant
5. Shaun Brewer Physical Therapy
6. Andrew Rich Physical Therapy
7. Kathryn (Annie) Brewerton Medical School
8. Stephanie Houston Medical School
9. Logan Nye Medical School
10. Matthew Gulbrandsen Medical School
11. Kevin Jurgensmeier Medical School
12. Joshua Wood
13. Anthony Holmes Physical Therapy

**2014**

1. Trevor Bouck Medical School
2. Caleb Lunden Dental School
3. Sean Nicholes Medical School
4. Jarom Bridges Physical Therapy, Exercise Physiology Grad School
5. Spencer Felton Medical School
6. Dallin Gray Pilot in Air Force
7. David Griffin Medical School
8. Hyrum Iverson Physical Therapy
9. Mark Olsen Dental School
10. Chad Packard
11. Sean Parker Physician Assistant
12. Kara Seabrook Physician Assistant
13. Stephen Zimmerman
14. Coulter Neves Medical School

**2013**

1. Hailey Barker Physician Assistant
2. Misae Nomiyama ACSM Physician Assistant
3. Coulter Neves Medical School
4. Katy Neves Exercise Physiology Graduate School
5. Dallin Gray Pilot in Air Force
6. Chelsea Rozsa Nursing
7. Sean Parker Physician Assistant
8. Brennan Wright Medical School
9. Hayden Smith Medical School
10. Andrew Barrett Medical School
11. JuYeon Lee
12. Devin Burns Dental School
13. Kassandra Bellingham
14. Steven Bunker

**Prior to 2012**

1. Jordan Perry Physical Therapy ACSM 2012; SWACSM; UPTA
2. Barbara Simmons ACSM 2012 San Francisco, CA
3. Zach DeFrancis Physical Therapy UPTA
4. Ty Olson Medical School Southwest ACSM
5. Judd Asay Medical School Southwest ACSM
6. Jordan Petersen Medical School Southwest ACSM
7. Rachel Sommerfeldt ACSM 2011 Denver, CO
8. Katie Hollingshead Meek World Physical Therapy Congress 2011
9. Amy Nagel Occupational Therapy, World Physical Therapy Congress 2011
10. Alex Johnson Southwest ACSM
11. Jackie Carpenter Physical Therapy APTA Combined Sections 2010 San Diego, CA
12. Jessica Richardson Audiology APTA Combined Sections 2010 San Diego, CA
13. Kimberly Gwynn UPTA
14. Joseph Shurtz Medical School NATA 2009, Published Article
15. Kate Doshier Alder Occupational Therapy, presented at UPTA
16. Emily Krebs Physician Assistant
17. Mark Goerlitz-Jessen Medical School
18. Jonathan Kingsley Physical Therapy
19. Andrew Stradley Athletic Training
20. Michael Hammond Dentistry School
21. Gardon Nielsen Medical School
22. Brynn Adamson MS Graduate Program, Exercise Physiology
23. Jarom Bridges MS Graduate Program, Physical Therapy
24. Britni Rigby Weisenburger Physical Therapy
25. Derek Storrs Physical Therapy
26. Erin Longhurst Physical Therapy
27. Ryan Stromberg Physical Therapy
28. Mary Forste Physician Assistant
29. Zachery Rasmussen Physical Therapy
30. Sarah Fairweather Physical Therapy
31. Travis Dunn Medical School
32. Dennis Jordan Medical School
33. David Felsted Medical School
34. Jordan Petersen Medical School
35. Ty Olson Medical School
36. Robert Low Medical School
37. Kaylyn Horn Medical School
38. Mack Kimball Dental School
39. Trent Monson Physical Therapy, Medical
40. Tanner Miles Medical School
41. Coulter Neves Medical School
42. Hailey Barker Physician Assistant
43. Brett LeFevre Health Care Administration
44. Bennett Wilson Medical School
45. Terrell Wyche Career Counseling
46. Devin Burns Dental School
47. Brian Francis Dental School
48. Morgan Richards Dental School
49. Elizabeth Williams Physical Therapy
50. Diane Bennett Physical Therapy
51. Emily Morgan
52. Jamie Van Patten Physical Therapy
53. Jamie Brown
54. Michael McRea Medical School

**Scholarly Work**

***Publications***

**Manuscripts that have been published or accepted for publication**

Red\* indicates undergraduate student coauthors; Green† indicates graduate student coauthors

1. Mitchell UH, **Johnson AW**, Larson RE†, Seamons CT\*. Positional Changes in Distance to the Pleura and in Muscle thickness for Dry Needling. *Physiotherapy* (Accepted Aug 2018)

Peer-reviewed journal; this manuscript is associated with data collected in our research lab with mentoring undergraduate and graduate students. I served as a coinvestigator and author. I provided major contribution to all facets of the project. The 2017 Impact Factor is 3.120 and 5-year of 3.178; Rehabilitation rank of 9 out of 134 as listed on InCites Journal Citation Reports. Cited: Web of Science:; Google Scholar:.

1. Ridge ST. Olsen MT†, Bruening DA, Jurgensmeier K, Griffin D, Davis IS, **Johnson AW**. Walking in minimalist shoes is effective for strengthening foot muscles. *Medicine Science and Sports Medicine,* 51(1); 104-113 Jan 2019, doi: 10.1249/MSS.0000000000001751

Peer-reviewed journal; this manuscript is associated with data collected in our research lab with mentoring undergraduate and graduate students. I served as a principle investigator for the larger data collection. I provided major contribution to all facets of the project from inception, IRB approval, design, data collection, data analysis, and manuscript preparation. The 2016 Impact Factor is 4.141 and 5-year of 5.222; Sport Sciences rank of 6 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science:; Google Scholar:.

1. Olsen MT†, Bruening DA, **Johnson AW**, Ridge ST. The role of the midfoot in drop landings. *Medicine Science and Sports Medicine,* (Accepted August 2018).

Peer-reviewed journal; this manuscript is associated with data collected in our research lab with mentoring undergraduate and graduate students. I contributed to all facets of the project from inception, IRB approval, design, data collection, data analysis, and manuscript preparation. The 2016 Impact Factor is 4.141 and 5-year of 5.222; Sport Sciences rank of 6 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science:; Google Scholar:.

1. Evanson AS†,Myrer JW, Eggett D, Mitchell UH, **Johnson AW**. Lumbar Multifidus Muscle Size and Symmetry among Ballroom Dancers With and Without Low Back Pain. *International Journal of Sports Medicine*, 39(08): 630-635 July 2018, DOI: 10.1055/a-0631-3111

Peer-reviewed journal; this manuscript is associated with data collected in our research lab with mentoring undergraduate and graduate students. I served as senior author and principle investigator. I contributed to all facets of the project from inception, IRB approval, design, data collection, data analysis, and manuscript preparation, including a major revision to the manuscript I wrote during the publication process. The 2017 Impact Factor is 2.453 and 5-year of 2.369; Sport Sciences rank of 25 out of 81 as listed on InCites Journal Citation Reports.

1. **Johnson AW**, Warcup CN†, Seeley MK, Feland JB. The Acute Effects of Stretching With Vibration on Passive and Dynamic Flexibility in Young Female Gymnasts. *Journal of Sport Medicine and Physical Fitness*. Jan. 10, 2018. DOI: 10.23736/S0022-4707.18.08290-7

Peer-reviewed journal; this manuscript is associated with data that were collected for Casia Brooks Warcup’s (BYU). I served as committee chair and contributed to all facets of the project. I performed a major revision of the manuscript for its acceptance. The 2016 Impact Factor is 1.215 and 5-year of 1.325; Sport Sciences rank of 58 out of 81 as listed on InCites Journal Citation Reports.

1. Ridge ST, Myrer JW, Olsen MT†, Jurgensmeier K\*, **Johnson AW**. Reliability of doming and toe flexion testing to quantify foot muscle strength. *Journal of Foot and Ankle Research.* 10:55, 2017 DOI 10.1186/s13047-017-0237-y

Peer-reviewed journal; this manuscript is associated with data collected in our research lab with mentoring undergraduate and graduate students. I served as a principle investigator. I contributed to all facets of the project from inception (development of the doming strength test), IRB approval, design, data collection, data analysis, and manuscript preparation. The 2016 Impact Factor is 1.405 and 5-year of 2.038; Orthopedics rank of 42 out of 76; Rehabilitation rank of 49 out of 65; as listed on InCites Journal Citation Reports.

1. Perry J\*, **Johnson AW**, Fellingham GW, Vehrs P. Heart rate and VO2 responses to treadmill running with body weight support using the GlideTrakTM. *Journal of Exercise Science and Fitness*. 15(1): 32-36, June 2017

Peer-reviewed journal; this manuscript is associated with data that were collected for Jordan Perry (BYU). I served as the primary undergraduate mentor for Jordan and contributed to all facets of the project. The 2016 Impact Factor is 0.576 and 5-year of 0.59; CiteScore: 0.61; Sport Sciences rank of 71/81 as listed on InCites Journal Citation Reports.

1. Cheever KM†, Myrer JW, **Johnson AW**, Fellingham GW. Understanding the Complete Pathophysiology of Chronic Mild to Moderate Neck Pain: Implications for the Inclusion of a Comprehensive Sensorimotor Evaluation. *Journal of Back and Musculoskeletal Rehabilitation.* 30(5), 991-997, 2017.

Peer-reviewed journal; this manuscript is associated with data that were collected for Kelly Cheever (BYU). I developed the original study concept, received IRB approval for the study and trained Kelly Cheever in the data collection techniques. I then served as committee member and contributed to all facets of the project. The 2015 Impact Factor is 0.956 and 5-year of 1.16; Orthopedics rank: 52/74; Rehabilitation rank 49/65 as listed on InCites Journal Citation Reports. Cited: Web of Science: 2; Google Scholar: 2

1. Mitchell UH, **Johnson AW**, Feland JB, Vehrs P. Performance on the functional movement screen in older active adults. *Journal of Sport and Health Science*, 5(1), 119–125 March 2016. DOI: 10.1016/j.jshs.2015.04.006

Peer-reviewed journal; this manuscript is associated with data that were collected in our research lab with mentoring undergraduate and graduate students at the St. George Huntsman Senior World Games. I contributed to all facets of the project from inception, IRB approval, design, data analysis, and manuscript preparation. I served as a principle investigator and mentor to the students involved. The 2016 Impact Factor is 2.531 and 5-year of 2.73; Sport Sciences rank of 18 out of 81, Q1; Hospitality, Leisure, Sport and Tourism rank of 11 out of 45, Q1, as listed on InCites Journal Citation Reports. Cited: Google Scholar: 3.

1. **Johnson AW**, Myrer JW, Mitchell UH, Hunter I, Ridge ST. The Effect of a Transition to Minimalist Shoe Running on Intrinsic Foot Muscle Size. *International Journal of Sports Medicine*, (accepted July 2015), 37, 154–158, February 2016.

Peer-reviewed journal; this manuscript is associated with data collected in our research lab with mentoring undergraduate and graduate students. I served as principle author and investigator. I contributed to all facets of the project from inception, IRB approval, design, data collection, data analysis, and manuscript preparation. The 2015 Impact Factor is 2.528 and 5-year of 2.445; Sport Sciences rank of 15 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science: 8; Google Scholar: 18.

1. Ridge ST, Standfird T, Rivera J\*, **Johnson AW**, Mitchell UH, Hunter I. The Effect for Training in Minimalist Running Shoes on Running Economy. *Journal of Sports Science and Medicine*, 14, 643–647, September 2015.

Peer-reviewed journal; this manuscript is associated with data that were collected from a larger study. This study included mentoring of Jessica Rivera undergraduate (BYU), who later attended physical therapy school. I contributed to all facets of the project from inception, IRB approval, design, data collection, data analysis, and manuscript preparation. I served as a principle investigator for the larger data collection. The 2016 Impact Factor is 1.797 and 5-year of 2.061; Sport Sciences rank of 37 out of 81 as listed on InCites Journal Citation Reports. Cited: Web of Science: 2; Google Scholar: 7.

1. Mitchell UH, **Johnson AW**, Adamson B\*. Relationship between functional movement ability, core strength, posture and BMI in school children in Moldova. *Journal of Strength and Conditioning Research*, 29(5): 1172–1179, May 2015.

Peer-reviewed journal; this manuscript is associated with data that were collected with mentoring Brynn Adamson (BYU). I contributed to all facets of the project from inception, IRB approval, design, data analysis, and manuscript preparation. I served as a principle investigator and mentor to Brynn. Brynn Adamson was an undergraduate who later attended graduate school. The 2015 Impact Factor is 1.978 and 5-year of 2.457; Sport Sciences rank of 25 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science: 3; Google Scholar: 17.

1. Rigby J†, David DO, **Johnson AW**, Myrer JW, Eggett DL, Mack GW. The Time Course of Dexamethasone Delivery using Iontophoresis through Human Skin Measured via Microdialysis, *Journal of Orthopedic Sports Physical Therapy,* 45(3):190–197, March 2015.

Peer-reviewed journal; this manuscript is associated with data that were collected for Justin Rigby’s Doctoral Dissertation (BYU). I served as committee member and contributed to the project. The 2015 JCR Impact Factor is 2.551 and the 5-year Impact Factor is 3.538; Sport Sciences rank of 14 out of 82; Rehabilitation rank of 7 out of 65; Orthopedics rank 14 out of 74 as listed on JCR Impact Factor ISI Science edition. Cited: Web of Science: 3; Google Scholar: 4.

1. Zalai D†, Bobak, P, Csáki, I, Hamar, PMyrer JW, Mitchell UH**, Johnson AW**. Motor Skills, Anthropometric Characteristics and Functional Movement in Elite Young Soccer Players. *Journal of Exercise, Sports and Orthopedics*. 2(1):1–7, January 2015.

Peer-reviewed journal; this manuscript is associated with data that were collected for David Zalai Doctoral Dissertation (Semmelweis University, Budapest, Hungary). I functioned as a senior author in the manuscript writing and publication, including a major revision of the manuscript and providing scientific and English language assistance. During an undergraduate/graduate student-mentored trip to Semmelweis University, we taught the use of the Functional Movement Screen, which was later used to perform this study. The 2015 JCR Impact Factor: This journal is not indexed. Cited: Google Scholar: 4.

1. Neves KA†, **Johnson AW**, Hunter I, Myrer JW. Does Achilles tendon cross sectional area differ after downhill, level and uphill running in trained runners? *Journal of Sport Science and Medicine,* 13(4):823–828, December 2014.

Peer-reviewed journal; this manuscript is associated with data that were collected for Katy Neves’ Master Thesis (BYU). I served as senior author of the manuscript. I served as committee chair and contributed to all facets of the project. The 2015 Impact Factor is 1.978 and 5-year of 2.457; Sport Sciences rank of 25 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science: 4; Google Scholar: 7.

1. Franson J†, Draper DO, Rigby J†, **Johnson AW**, Mitchell UH. Three MHz ultrasound vigorously heats tissues at a 3 cm depth. *Athletic Training and Sports Health Care,* 6(6):267–272, November 2014.

Peer-reviewed journal; this manuscript is associated with data that were collected for Judd Franson’s Master Thesis (BYU). I served as committee member and contributed to all facets of the project. The 2015 JCR Impact Factor: This journal is not indexed. Indexed in CINAHL, Sport Discus, and ProQuest. Cited: Google Scholar: 2.

1. Uvacsek M, Toth M, Kneffel Zs, **Johnson AW**, Vehrs PR, Myrer JW, Hager R. 10 year cardiovascular risk assessment in university students,*Acta Physiologica Hungarica,* 101(3): 321–328, July 2014.

Peer-reviewed journal; this manuscript is associated with data that were collected during an undergraduate/graduate student mentored trip to Semmelweis University, Budapest, Hungary. I served as a principle investigator with Dr. Martina Uvacsek and the other BYU professors. I contributed to all facets of the project from inception, IRB approval, design, data analysis, and manuscript preparation. The 2015 JCR Impact Factor is 0.814 and 5-year of 0.909; Physiology rank of 76 out of 83 as listed on InCites Journal Citation Reports. Cited: Web of Science: 1; Google Scholar: 6.

1. Johnson PK†, Feland JB, **Johnson AW**, Mack GW, Mitchell UH. Effect of whole body vibration on skin blood flow and nitric oxide production. *Journal of Diabetes Science and Technology,*8(4): 889–894, July 2014.

Peer-reviewed journal; this manuscript is associated with data that were collected for Paula Johnson’s Master Thesis (BYU). I served as committee member and contributed to the project. The 2015 JCR Impact Factor This journal is not indexed. Cited: Google Scholar: 15.

1. **Johnson AW**, Mitchell UM, Meek K\*, Feland JB. Hamstring flexibility increases the same with a 3 or 9 repetitions of stretching held for a total time of 90 seconds. *Physical Therapy in Sports,* 15(2):101–105, May 2014.

Peer-reviewed journal; this manuscript is associated with data that were collected with my mentoring of Katie Meek’s Honor Thesis (BYU). I contributed to all facets of the project from inception, IRB approval, design, data analysis, and manuscript preparation. I served as primary investigator, senior author, and mentor to Katie, and I performed a major revision of the manuscript for its final acceptance. The 2016 Impact Factor is 1.81 and 5-year of 2.340; Sport Sciences rank of 38 out of 82; Rehabilitation rank 28 out of 65 as listed on InCites Journal Citation Reports. Cited: Web of Science: 4; Google Scholar: 24.

1. Ridge S, **Johnson AW**, Mitchell UH, Hunter I, Brown D, Rich B, Cosgrave M, Effects of 10 weeks minimalist shoe running on bone marrow edema assessed with magnetic resonance, *Medicine Science and Sports Medicine,* 45(7):1363–8, Jul 2013.

Peer-reviewed journal; this manuscript is associated with data collected in our research lab with mentoring undergraduate and graduate students. I served as a principle investigator and initiator of the associated larger data collection. I contributed to all facets of the project from inception, IRB approval, design, data collection, data analysis, and manuscript preparation. The 2015 Impact Factor is 4.041 and 5-year of 5.318; Sport Sciences rank of 6 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science: 57; Google Scholar: 122.

1. **Johnson AW**, Eastman C†, Mitchell UH, Feland JB, Mortensen BB†, Eggett D. Effect of high-speed treadmill training with a body weight support system in a sport acceleration program with female soccer players, *Journal of Strength and Conditioning Research*, 27(6):1496–1502, June 2013.

Peer-reviewed journal; this manuscript is associated with data that were collected for Carie Eastman’s Master Thesis (BYU). I served as senior author and thesis committee chair and contributed to all facets of the project. I performed a major revision of the manuscript for its final acceptance. The 2015 Impact Factor is 1.978 and 5-year of 2.457; Sport Sciences rank of 25 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science: 2; Google Scholar: 5.

1. Mitchell UH**, Johnson AW,** Ridge SC, Standifird T†. “Natural Running” – Joggen im Minimalschuh. *pt* *Zeitschrift fűr Physiotherapeuten* 2012: 64 (7), 47–49.

Peer-reviewed German physical therapy journal with a large national distribution (>26,900). This was an invited manuscript. Data are from a larger collaborative study for which I contributed to all facets of the project as a coauthor and contributor to design, data collection, analysis and interpretation, and manuscript preparation. I assisted with the concept and the writing of the manuscript, although Dr. Mitchell is the primary author and translator.

1. Maloy L†, Draper DO, Hopkins TJ, **Johnson AW**, Hunter I, Eggett DL. Single-Use Electrodes Outperform Multiple-Use Electrodes for Sensory and Motor Threshold Amplitudes and Force Production. *Athletic Training and Sports Health Care*, 2013 5(3):123-128.

Peer-reviewed athletic training journal; this manuscript is associated with data that were collected for Lucia Maloy’s Master Thesis (BYU). I served as a committee member, and I made significant contributions to the concept and design of this project, data collection, data interpretation, and drafting of the manuscript. The 2015 JCR Impact Factor: This journal is not indexed. Indexed in CINAHL, Sport Discus, and ProQuest. Cited: Google Scholar: 2.

1. Hawkes AR†, Draper DO, **Johnson AW**, Diede MT, Rigby JH†. Heating Capacity of ReBound Shortwave Diathermy and Moist Hot Packs at Superficial Depths, *Journal of Athletic Training*, 48(4), 471-476, 2013 DOI: 10.4085/1062-6050-48.3.04 Jul–Aug 2013.

Peer-reviewed athletic training journal; this manuscript is associated with data that were collected for Amanda Hawkes’s Master Thesis (BYU). I served as a committee member, and I made significant contributions to the concept and design of this project, data collection, data interpretation, and drafting and revising of the manuscript. The 2015 Impact Factor is 2.224 and 5-year of 2.963; Sport Sciences rank of 21 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science: 6; Google Scholar: 13.

1. Draper DO, Hawkes AR†, **Johnson AW**, Diede MT, Rigby JH†. Muscle Heating With Megapulse II Shortwave Diathermy and ReBound Diathermy, *Journal of Athletic Training*, 48(4), 477–482, Jul–Aug 2013.

Peer-reviewed athletic training journal; this manuscript is associated with data that were collected for Amanda Hawkes’s Master Thesis (BYU). I served as a committee member, and I made significant contributions to the concept and design of this project, data collection, data interpretation, and drafting and revising of the manuscript. The 2015 Impact Factor is 2.224 and 5-year of 2.963; Sport Sciences rank of 21 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science: 4; Google Scholar: 18.

1. **Mitchell UH, Johnson AW, Myrer JW, Hager RL, Eggett DL. A Randomized Single-Blind Controlled Trial Comparing Two Monochromatic Near-Infrared Light Devices: Implications for Tissue Heating and Safety. *American Journal of Physical Medicine and Rehabilitation,* 2012**:91(9):789–796.

Peer-reviewed Journal and the Official Journal of the Association of Academic Physiatrists; I served as a coauthor and I contributed to all facets of the project conception, completion, analysis and assisted in the writing of the manuscript. The 2015 Impact Factor is 2.064 and 5-year of 2.330; Sport Sciences rank of 24 out of 82; Rehabilitation rank of 11/65 as listed on InCites Journal Citation Reports. Cited: Web of Science: 2; Google Scholar: 4.

1. Neves T†, **Johnson AW,** Myrer JW,SeeleyMK. Comparison of the traditional, swing, and chicken wing volleyball blocking techniques in NCAA division I female athletes,*Journal of Sports Sciences and Medicine,* (2011) 10, 452–457*.*

Peer-reviewed journal; this manuscript is associated with data that were collected for Taubi Neves’ Master Thesis (BYU). I served as senior author and committee chair and contributed to all facets of the project. The 2015 Impact Factor is 1.978 and 5-year of 2.457; Sport Sciences rank of 25 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science: 5; Google Scholar: 12.

1. Myrer JW, **Johnson AW**, Mitchell U, Measom G. Topical analgesic added to paraffin bath enhances paraffin bath treatment of individuals with hand osteoarthritis. *Disability and Rehabilitation*, 2011, 33(6):467–74.

Peer-reviewed journal; I served as a coauthor and I contributed to all aspects of the project: conception, completion and with the writing of the manuscript. The 2015 Impact Factor is 1.919 and 5-year of 2.078; Rehabilitation rank of 6 out of 71 as listed on InCites Journal Citation Reports. Cited: Web of Science: 11; Google Scholar: 17.

1. Mitchell UH, **Johnson AW**, Myrer JW. Comparison of two infra-red devices in their effectiveness in reducing symptoms associated with RLS. *Physiotherapy Theory and Practice* 2011, 27(5) 352–359.

Peer-viewed Journal; I served as a coauthor and I contributed to all facets of the project conception, completion, analysis and assisted in the writing of the manuscript. The 2015 Impact Factor is 1.169; Rehabilitation rank of 42 out of 65 as listed on InCites Journal Citation Reports. Cited: Google Scholar: 22.

1. Mitchell UH, **Johnson AW**, Myrer JW. Restless Legs Syndrome and Near-Infrared Light: an alternative treatment option. *Physiotherapy Theory and Practice,* 2011, 27(5), 345–351.

Peer-viewed Journal; I served as a coauthor and I contributed to all facets of the project conception, completion, analysis and assisted in the writing of the manuscript. The 2015 Impact Factor is 1.169; Rehabilitation rank of 42 out of 65 as listed on InCites Journal Citation Reports. Cited: Google Scholar: 51.

1. Draper DO, **Johnson AW**, Castel JC, Shurtz J\*, Mosozumi K, Fujiwara T. Use of the tissue compliance algometer outcome assessment system on quadriceps muscles of healthy rugby players. *Athletic Training & Sports Health Care*. 2011;3(1): 29–32.

Peer-reviewed journal; I served as a coauthor on this manuscript. I contributed to the design, data collection, and interpretation and I assisted in the initial writing of the manuscript. This manuscript was done in collaboration with Japanese researchers associated with a Japanese physical therapy school. The 2015 JCR Impact Factor: This journal is not indexed. Indexed in CINAHL, Sport Discus, and ProQuest. Cited: Google Scholar: 2.

1. **Johnson AW**, Draper DO. Increased range of motion and function in an individual with breast cancer and necrotizing fasciitis – Manual therapy and pulsed short-wave diathermy treatment. *Case Reports in Medicine*. 2010, Article ID 179581

Peer-reviewed journal; I participated in all aspects of design, data collection, data analysis and data interpretation. I served as principle investigator and author of the manuscript with Dr. Draper serving as coauthor and mentor. The 2015 JCR Impact Factor: This journal is not indexed. Indexed in Emerging Sources Citation Index. Cited: Google Scholar: 4.

1. **Johnson AW**, Myrer JW, Hunter I, Feland JB, Hopkins JT, Draper DO, Eggett DL. Whole-body vibration strengthening compared to traditional strengthening during physical therapy in individuals with total knee arthroplasty. *Physiotherapy Theory and Practice*, Vol. 26, No. 4, Pages 215–225, 2010

Peer-reviewed journal; this manuscript is related to data that were associated to my Doctoral Dissertation (BYU). I served as the primary author and investigator for this research under the guidance of Dr. Myrer. The 2015 Impact Factor is 1.169; Rehabilitation rank of 42 out of 65 as listed on InCites Journal Citation Reports. Cited: Google Scholar: 32.

1. R Villamonte†, PR Vehrs, JB Feland, **AW Johnson**, M Seeley, and D Eggett.  Reliability of sixteen balance tests in individuals with Down Syndrome. *Perceptual and Motor Skills*, 2010, 111(2), 530-542

Peer-reviewed journal; This manuscript is associated with data that were collected for Romina Villamonte’s Doctoral Dissertation (BYU). I served as a committee member. I made contributions to the project design, data analysis and interpretation, and revising of the manuscript. The 2015 Impact Factor is 0.618 and the 5 year is 0.712; Psychology, Experimental of 84 out of 85 as listed on InCites Journal Citation Reports. Cited: Web of Sciences: 10; Google Scholar: 27.

1. Feland JB, Hawks M\*, Hopkins JT, Hunter I, **Johnson AW**, Eggett DL.  Whole body vibration as an adjunct to static stretching.  *International Journal of Sports Medicine*  2010, 31, 8, 584–589.

Peer-reviewed journal; I made minor contributions the various aspects of this study. The 2015 Impact Factor is 2.528 and 5-year of 2.445; Sport Sciences rank of 15 out of 82 as listed on InCites Journal Citation Reports. Cited: Web of Science: 11; Google Scholar: 32.

***Publications, Submitted or in revision***

1. Dunbar JL, Brewerton KA, Ridge ST, Bruening DA, Hoopes DM, **Johnson AW**. Passive Hallux Adduction Decreases Blood Flow in the Lateral Plantar Artery: Implications for the Plantar Fascia.

***Invited Colloquia/ Symposiums***

Feland JB**, Johnson AW**, Dunbar JL**†,** Fietzer A (Mount Saint Mary’s University). Uses of Various Ultrasound Imaging Techniques for lower extremity assessment: implications for pathology and rehabilitation. Southwest ACSM 38th Annual Meeting, Costa Mesa, CA, October 2018

Davis, I (Spaulding Running Center, Harvard Medical School), **Johnson AW**, Sacco, I (Brazil), Dubois, B (Canada). Update on Minimal Footwear Running: Is Less More? Accepted for presentation at the Combined Sections Meeting of the American Physical Therapy Association, San Antonio, TX, February 2017.

**Johnson AW**, Myrer JW, Brewerton K\*, deVries TD**†**. Ultrasound Imaging in Exercise Science Research, Southwest ACSM 35th Annual Meeting, Costa Mesa, CA, October 2015

Mitchell, U, Ridge, S, **Johnson, AW**, Hunter, I. Symposium: Light, lighter, or barefoot. Presented at the South West Chapter of the American College of Sports Medicine Annual Meeting, Newport Beach, CA, October 2013.

***Book Chapter***

1. Johnson AW, Mitchell UH. Warm-up and Flexibility. Collegiate Strength and Conditioning Coaches Association. BYU Press. Editor Tom Nesser (Indiana State University)

Accepted September 2017, in editorial review and printing preparation.

***Published Abstracts***

1. Ridge, ST, Bruening, DA, Jurgensmeier, K\*, Olsen, M†, Griffin, D\*, **Johnson, AW**, Davis, I. A comparison of foot strengthening versus minimal footwear use on intrinsic muscle size and strength. Presented at the Annual Meeting of the American Orthopaedic Foot and Ankle Society, Boston, MA, July 2018.
2. Ridge, ST, Henderson, A†, Bruening D, Jurgensmeier, K\*, Olsen, M†, Griffin, D\*, **Johnson, AW**, Davis, I. Midfoot angle changes during running after an 8-week intervention program. Presented at the Annual Meeting of the American Orthopaedic Foot and Ankle Society, Boston, MA, July 2018.
3. Johnson AW, Bowden JA**†**, Mitchell UH. A 3-year Journey to Diagnosis of Hypophosphatasia in an Adolescent Male. Presented at the American Physical Therapy Association Annual Combined Sections Meeting, New Orleans, LA, February 2018. *Pediatric Physical Therapy*, 30(1): E9-E52 Jan 2018. doi: 10.1097/PEP.0000000000000481
4. Mitchell UH, **Johnson AW**, Seamons C, Larson RE. Rhomboid minor and major muscle thickness changes with positioning. Presented at the American Physical Therapy Association Annual Combined Sections Meeting, New Orleans, LA, February 2018.
5. Dunbar JL**†,** Ridge ST, Bruening DA, Garner KR**†**, Eggett DL, **Johnson AW**. Lateral Extrinsic Foot Muscle Size Best Predicts Time to Stability in Single Leg Landing. *Medicine and Science in Sports and Exercise,* 49(5s) supplement: S125 May 2017. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, June 2017.
6. Ridge ST, Olsen M**†**, Garner KR**†**, Myrer JW, Bruening DA, **Johnson AW**. Comparison of Intrinsic Foot Muscle Size and Strength Between Gymnasts and Shod Runners. *Medicine and Science in Sports and Exercise,* 49(5s) supplement: S101 May 2017. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, June 2017.
7. Violette VA**†**, Ridge ST, Bruening DA, Myrer JW, **Johnson AW**. Reliability and Comparison of Measurements of the Tibialis Posterior Cross-Sectional Area Via Ultrasound Imaging. *Medicine and Science in Sports and Exercise,* 49(5s) supplement: S574 May 2017. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, June 2017.
8. **Johnson AW**, deVries TD**†**, Kirwan B, Myrer JW. fMRI Assessed Neural Activation in Blood Flow Restricted Handgrip Exercise. *Medicine and Science in Sports and Exercise,* 49(5s) supplement: S519 May 2017. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, June 2017.
9. Bruening DA, Olsen M**†**, **Johnson AW**, Ridge ST. The Role of the Midtarsal Joint in Drop Landings. *Medicine and Science in Sports and Exercise,* 49(5s) supplement: S124 May 2017. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, June 2017.
10. **Johnson AW**, Mitchell UH: Dry needling in the upper thorax: hand dominance does not affect the distance to the lungs. Journal of Orthopaedic & Sports Physical Therapy 2017;47(1):A103-104 DOI: 10.2519/jospt.2017.47.1.A58.
11. Mitchell UH, **Johnson AW**: Considerations for dry needling the levator scapulae/upper trapezius. Journal of Orthopaedic & Sports Physical Therapy 2017;47(1):A125-126 DOI: 10.2519/jospt.2017.47.1.A58.
12. Mitchell UH; **Johnson AW**. Dry needling the rhomboid major: Considerations for positioning. *Journal of Manual and Manipulative Therapy,* 2016;24(3): 118-120 (<http://www.tandf.co.uk/journals/pdf/2016-AAOMPT-conference-abstracts.pdf>). Presented at the Annual Conference of American Academy of Orthopedic Manual Physical Therapist, St. Louis, MO,.
13. **deVries TD†**; Kirwan CB; Myrer JW; **Johnson AW**. Central Nervous System Activation in Blood Flow Restricted versus Non-Restricted Exercise: A Pilot Study. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: 855 May 2016 (http://journals.lww.com/acsm-msse/pages/contributorindex.aspx?filter=D&year=2016&issue=05001). Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
14. **Platform Presentation: Johnson AW**; deVries TD†; Brewer S\*; Rich A\*; Myrer JW; Davis IS FACSM; Ridge ST. 8 Week Exercise Protocol and Minimalist Shoes Walking Effect on Lower Leg Muscle Size. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: May 2016. (http://journals.lww.com/acsm-msse/pages/contributorindex.aspx?filter=D&year=2016&issue=05001). Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
15. Myrer JW; **Johnson AW**; Hager RL; George JD; Mortensen BB†; Fulton SM†; Fellingham GW. The Egoscue Method’s Effect on Nonspecific Chronic Low Back Pain and Functional Disability. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: 380 May 2016 Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
16. Bridges JT†; Ridge ST; Myrer JW; Hunter I; Davis IS; Eggett DL; **Johnson AW**. Therapeutic Exercise Effects on Function of the Medial Longitudinal Arch During Running: A Preliminary Study. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: May 2016 (http://journals.lww.com/acsm-msse/pages/ contributorindex.aspx?filter=D&year=2016 &issue=05001). Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
17. Olsen MT†; Griffin DB\*; deVries TD†; **Johnson AW**; Davis IS; Ridge ST. The effect of an 8-week strengthening protocol on intrinsic foot muscle size and strength. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: May 2016 (http://journals.lww.com/acsm-msse/pages/contributorindex .aspx?filter=D&year=2016&issue=05001). Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016. Cited: Web of Science: 1 time.
18. **Griffin DB\***; Olsen MT†; Johnson AW; Davis IS; Ridge ST. The Effect of an 8-week Arch Muscle Strengthening Protocol on Arch Height Index. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: May 2016 (http://journals.lww.com/acsm-msse/pages/contributorindex.aspx?filter=D&year=2016&issue=05001). Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
19. **Johnson AW**, Myrer JW, Gulbransen MT\*, Newell NJ\*, Ridge ST. Intrarater reliability in the measurement of intrinsic foot muscle strength. *Journal of Orthopedic Sports Physical Therapy*, 46(1): A99 January 2016.
20. **Johnson AW**, Myrer JW, deVries TD†, Stoneman PD, Ridge ST. Comparison of intrarater reliability of ultrasound foot muscles size measurements using video recordings versus still images. *Journal of Orthopedic Sports Physical Therapy*, 46(1): A99 January 2016.
21. deVries TD†, **Johnson AW**, Myrer JW, Ridge ST. Intra-rater Reliability in Measuring the Thickness of Two Lower Leg Muscles. *Medicine and Science in Sports and Exercise,* 47(5) supplement: 94, May 2015.
22. Myrer JW, Ridge ST, deVries TD, Johnson AW. Ultrasound Video Recordings Enable Intra-rater Reliability of Muscle Size measurements of the Toe Flexor Muscles. *Medicine and Science in Sports and Exercise,* 47(5) supplement: 95, May 2015.
23. Seabrook KE\*, Olsen MT\*, Griffin DB\*, Ridge ST, Johnson AW. Inter and Intra Day Reliability Study of Intrinsic foot Muscle Strength. *Medicine and Science in Sports and Exercise,* 47(5) supplement: 226, May 2015.
24. Olsen MT\*, Griffin DB\*, Seabrook KE\*, Ridge ST, Johnson AW. Comparing Static and Dynamic Arch Height During Running Using the Oxford Foot Model. *Medicine and Science in Sports and Exercise,* 47(5) supplement: 709, May 2015.
25. Griffin DB\*, Olsen MT\*, Seabrook KE\*, Ridge ST, Johnson AW, Myrer JW. Correlation of Arch Height Measurement and Foot Strength. *Medicine and Science in Sports and Exercise,* 47(5) supplement: 124, May 2015.
26. **Johnson AW**, Brooks CN†, Seeley MK, Myrer JW, Feland JB. Acute Effects of Whole-body Vibration Stretching on Passive and Dynamic Flexibility in Young Gymnast. *Medicine and Science in Sports and Exercise,* 47(5) supplement: 531, May 2015.
27. **Johnson AW**, Mitchell UH, Vehrs Z†, Uvacsek M, Tóth M, Mako L, Vehrs P. Gender Differences in Hungarian Children on the Functional Movement Screen and Arm Strength. *Medicine and Science in Sports and Exercise,* 46(5): 74, May 2014.
28. Neves KA†, **Johnson AW**, Myrer JW, Neves C\*, Bridges J†, Hunter I. Changes in Achilles’ Tendon Cross-sectional Area in Collegiate Cross-country Runners Across a Competitive Season. *Medicine and Science in Sports and Exercise,* 46(5): 951, May 2014.
29. Myrer JW, **Johnson AW**, Neves C\*, Bridges J†, Neves T, Eggett D. Multifidus size in Female Collegiate Volleyball Players from Preseason to Postseason and with Back Pain. *Medicine and Science in Sports and Exercise,* 46(5): 803, May 2014.

1. Ridge ST, Mitchell UH, Hunter I, **Johnson AW**. Muscle Size Difference Before and After 10-week Minimalist Shoe Transition: Preliminary Comparison of Injured vs. Non-injured Runners. *Medicine and Science in Sports and Exercise,* 46(5): 589, May 2014.
2. Rigby JH, Mack GW, **Johnson AW**, Myrer JW, Bylund RS, Draper DO. The time course of dexamethasone sodium phosphate delivered via iontophoresis through human skin. J*ournal of Athletic Training,* 49(3 supplement): S46, May 2014.
3. Mitchell UH, **Johnson AW**, Adamson B\*. Association of core strength and functional movement ability with body mass index in school children in Moldova. *Journal of Orthopedic Sports Physical therapy*, 44(1): A94 January 2014.
4. Mitchell UH, **Johnson AW**, Feland JB. Body mass index, predicted VO2Max, and total functional movement screen score in the active elderly population. *Journal of Orthopedic Sports Physical therapy*, 44(1): A94 January 2014.
5. Mako L, Uvacsek M, Sipos F, Kovacs A, Kenderesi Zs, Szopoava E, Toth M, Mitchell UH, **Johnson AW**. Budapest 9-12 eves altalanos iskolas gyermekek funkcionalis mozgasvizsgalata. Mozgasbiologiai Konferencia, Budapest, HU, vol. 43, page 44, November 2013.
6. Uvacsek M, Kneffel Zs, Toth M, **Johnson AW**, Myrer JW, Vehrs P, Hager RL. Egyetemi hallgatok 10 eves szi'v es errendszeri kockazabecslese. Mozgasbiologiai Konferencia, Budapest, HU, vol. 43, page 12, November 2013.
7. **Johnson AW**, Mitchell UH, Sarah Ridge S, Iain Hunter I, Myrer JW. Abductor hallucis cross-sectional area increased after a 10-week transition period of running in Vibram five-fingers running shoes. *Physical Therapy 2013: APTA’s Annual Conference & Exposition,* Salt Lake City, UT, June 26, 2013. http://ptjournal.apta.org/; http://ptjournal.apta.org/site/misc/annualcon.xhtml.
8. **Johnson AW**, Evanson A†, Mitchell UH, Myrer JW, Eggett D. Multifidus muscle size and atrophy among dancers with and without low back pain. *Physical Therapy 2013: APTA’s Annual Conference & Exposition,* Salt Lake City, UT, June 26, 2013. http://ptjournal.apta.org/; http://ptjournal.apta.org/site/misc/annualcon.xhtml.
9. Myrer JW, Neves KA†, **Johnson AW**, Hunter I, Neves C\*, Bridges J†. A four mile run decreases Achilles tendon thickness. Journal of Athletic Training, 48(3) s-230, June 2013.
10. Ridge ST, Mitchell UH, Hunter I, **Johnson AW**, Brown D. Bone marrow edema in the foot after a 10-week transition from traditional running shoes to minimalist running shoes. *Journal of Orthopedic Sports Physical therapy*, 43(1): A102 January 2013.
11. Myrer JW, **Johnson AW**, Mortensen BB†, Jordan P\*, Platt T\*. Does subcutaneous adipose affect intramuscular heating and cooling by ultrasound? Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting 2014 in San Diego, CA, January 2013.
12. **Johnson AW**, Mitchell UH, Ridge ST, Hunter I. Intrarater and Interrater Reliability using the Varifit Accu-pin scanner in assessing foot arches. *Journal of Orthopedic Sports Physical therapy*, 43(1): A104 January 2013.
13. Perry JC\*, **Johnson AW**, Ridge ST. Glidecycle mobility device reduces ground reaction forces compared to running in healthy individuals. *Journal of Orthopedic Sports Physical therapy*, 43(1): A115 January 2013.
14. Standifird T†, **Johnson AW**, Hunter I, Ridge SE. Lower extremity joint moments during the active peak vertical ground reaction force in three different running conditions. 2012 Annual American Society of Biomechanics Meeting, August 2012 http://www.asbweb.org/conferences/2010/posters/schedule.html.
15. 39Feland JB, Allen JG†, **Johnson AW**, Myrer JW, Eggett DL. The acute effects of whole body vibration and static stretching on intramuscular temperature of the hamstrings and quadriceps. *Physical Therapy 2012: APTA’s Annual Conference & Exposition,* Tampa, FL, June 5–9, 2012. http://ptjournal.apta.org/; http://ptjournal.apta.org/site/misc/annualcon.xhtml.
16. Mortensen BB†, **Johnson AW**, Anderson J, Myrer JW. A pilot study investigating sitting neck Extensor Strength and Endurance Between Subjects With and Without Neck Pain. *Physical Therapy 2012: APTA’s Annual Conference & Exposition,* Tampa, FL, June 5–9, 2012. http://ptjournal.apta.org/; http://ptjournal.apta.org/site/misc/annualcon.xhtml.
17. Mitchell UH, Eastman CS†, **Johnson AW**, Feland JB. Effect of High-speed treadmill training with a body weight support system in a sport acceleration program. *Physical Therapy 2012: APTA’s Annual Conference & Exposition,* Tampa, FL, June 5–9, 2012. http://ptjournal.apta.org/; http://ptjournal.apta.org/site/misc/annualcon.xhtml.
18. **Johnson AW,** Mitchell UH, Ridge ST, Myrer JW, Hunter I. Intra-rater reliability of intrinsic foot muscle size in runners. *Physical Therapy 2012: APTA’s Annual Conference & Exposition,* Tampa, FL, June 5–9, 2012. http://ptjournal.apta.org/; http://ptjournal.apta.org/site/misc/annualcon.xhtml.
19. Smyres A†, **Johnson AW**, Mitchell UH, Myrer JW, Feland JB, Seeley MK, Brooks C†, Mortensen B†, Anderson J. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: Electromyography Comparison of Three Isometric Lumbar Spine Extensor Strengthening Exercises. *Medicine & Science in Sports & Exercise*. 44:5 Supplement: May 2012.
20. Brooks C†, **Johnson AW**, Myrer JW, Uvacsek M, Toth M, Vehrs P, Hager R, Smyres A†. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: Multifidus Cross-sectional Area in Hungarian Gymnasts with and Without Back Pain – A Preliminary Study. *Medicine & Science in Sports & Exercise*. 44:5 Supplement: May 2012.
21. **Johnson AW**, Vehrs P, George JD, Perry J\*, Fellingham G. American College of Sports Medicine, 59th Annual Meeting in Denver, CO, June 2011: Cardiovascular and Metabolic Responses to Exercising with the Glidetrak Compared To Running. *Medicine & Science in Sports & Exercise*. 44:5 Supplement, May 2012.
22. Benson B†, **Johnson AW**. American College of Sports Medicine, 59th Annual Meeting in Denver, CO, June 2011: One-Year Strength Recovery of the Triceps Surae in a Female Runner After Tendon Injury. *Medicine & Science in Sports & Exercise*. 44:5 Supplement May 2012.
23. Myers K\*, Shumway C\*, Feland JB, **Johnson AW**, Crossley K†, Eggett DL. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: Whole Body Vibration Compared to Biking on the Warm-up Effect of the Lower Extremity. *Medicine & Science in Sports & Exercise*. 44:5 Supplement May 2012.
24. Crossley K†, Feland JB, **Johnson AW**, Eggett DL. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: Pennation Angle Changes, Muscle Architecture, and Whole Body Vibration Training. *Medicine & Science in Sports & Exercise*. 44:5 Supplement May 2012. Cited: Web of Science: 1.
25. Shumway C\*, Myers K\*, Feland JB, Crossley K†, **Johnson AW**, Eggett DL. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: Intramuscular Temperature Responses of 4 Lower Extremity Muscles to Whole Body Vibration Training*. Medicine & Science in Sports & Exercise*. 44:5 Supplement May 2012.
26. Mitchell UH, **Johnson AW**, Simmons B\*, American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: “A Comparative Cross-cultural Comparison of Posture, Core Strength, Height, Age and Body Mass Index” *Medicine & Science in Sports & Exercise*, 44:5 Supplement May 2012.
27. **Johnson AW**, Sommerfeldt RJ\*, Mitchell UH, Seeley MK, & George JD. American College of Sports Medicine, 58th Annual Meeting in Denver, CO, June 2011: Upper extremity dexterity changes due to neck extensors or forearm muscle fatigue. *Medicine & Science in Sports & Exercise*. 43(5):616, May 2011.
28. Mitchell UH, **Johnson AW**, Hager RL, George, JD. American College of Sports Medicine, 58th Annual Meeting in Denver, CO, June 2011: Treatment with near-infrared light increases tissue temperature away from the treatment site in diabetic patients. *Medicine & Science in Sports & Exercise*. 43(5):798, May 2011.
29. **Johnson AW**, Meek K\*, Feland JB. Hamstring flexibility increases the same with 3 or 9 repetitions of stretching held for a total time of 90 seconds, World Physical Therapy Congress 2011, Amsterdam, Netherlands, June 2011 http://www.abstractstosubmit.com/wpt2011/abstracts/.
30. **Johnson AW**, Nagel AE\*, Mitchell UH. Preliminary cross-cultural comparison of young women’s core strength in Ghana, Africa and Utah, USA, World Physical Therapy Congress 2011, Amsterdam, Netherlands, June 2011 http://www.abstractstosubmit.com/wpt2011/abstracts/.
31. Feland JB, **Johnson AW**, Crossley K†, Nakachi E†, Hopkins JT. Effect of whole body vibration training on gastrocnemius and vastus lateralis intramuscular temperature, World Physical Therapy Congress 2011, Amsterdam, Netherlands, June 2011 http://www.abstractstosubmit.com/wpt2011/abstracts/.
32. Mitchell UH, **Johnson AW**, Myrer JW, Hager RL. Comparison of two near-infrared light devices in regards to skin and tissue heating in a randomized single-blind controlled trial, World Physical Therapy Congress 2011, Amsterdam, Netherlands, June 2011 http://www.abstractstosubmit.com/wpt2011/abstracts/.
33. Myrer JW, Felt NW†, Feland JB, **Johnson AW**, Fellingham GW. Temperature changes in human Achilles tendon during and after 20 minutes of ice pack or cold whirlpool, World Physical Therapy Congress 2011, Amsterdam, Netherlands, June 2011 http://www.abstractstosubmit.com/wpt2011/abstracts/.
34. Myrer JW, **Johnson AW**, Fellingham GW. Reliability of pulsed wave Doppler ultrasound in measuring volumetric arterial blood flow in the brachial, radial, and ulnar arteries., World Physical Therapy Congress 2011, Amsterdam, Netherlands, June 2011 http://www.abstractstosubmit.com/wpt2011/abstracts/.
35. Neves T†, Seeley M**, Johnson AW,** Myrer JW**.** A kinematic comparison of three different volleyball blocking techniques 2010 Annual American Society of Biomechanics Meeting, Providence, RI, August 18–21 2010 http://www.asbweb.org/conferences/2010/posters/schedule.html.
36. **Johnson AW**; Feland JB; Myrer, JW; Seeley MK; Mitchell UH. Neck Extensor Fatigue Does Not Inhibit Elbow Flexors of Extensors *Physical Therapy 2010: APTA’s Annual Conference & Exposition* Boston, MA, from June 16–19, 2010 www.ptjournal.org/misc/annualcon.dtl http://ptjournal.apta.org/site/misc/annualcon.xhtml.
37. Mitchell UH; **Johnson AW**; Myrer JW. Infrared and Infrared With Red Light Significantly Alleviate Symptoms Associated With Restless Legs Syndrome *Physical Therapy 2010: APTA’s Annual Conference & Exposition*, Boston, MA from June 16–19, 2010 www.ptjournal.org/misc/annualcon.dtl http://ptjournal.apta.org/site/misc/annualcon.xhtml.
38. **Johnson AW**, Myrer JW, Seeley MK, Feland JB, Eggett DL, Anderson J. Reliability of a sitting and prone neck extensors endurance test. American Physical Therapy Association Combined Sections Annual Meeting, *J Orthop Sports Phys Ther* 2010;40(1):A52–A98.
39. Mitchell U; **Johnson AW**; Myrer JW; Hilton S\*. Near-Infrared Treatment Decreases Symptoms Associated With Restless Legs Syndrome *Journal of Neurologic Physical Therapy*: December 2009 - Volume 33 - Issue 4 - pp 224–232.
40. Draper DO, Castel JC, Shurtz JC\*, Fujiwara T, **Johnson AW**, Coglianese MJ†, Crowther DC. Reliability of the Tissue Compliance-Algometer Outcome Assessment System on the Quadriceps Muscles of Healthy Rugby Players. National Athletic Trainers Association Annual Meeting, *Journal of Athletic Training* Volume 44, Number 3 Supplement2009.

1. Carpenter JP\*, Richardson J\*, **Johnson AW**, Myrer JW, Seeley MK, Feland JB, Eggett DL. Reliability of a sitting and prone neck extensor endurance test. *Utah Conference on Undergraduate Research 3rd Annual Utah Conference Report*, 2009; p 198.
2. **Johnson AW**, Myrer JW, Hunter I, Feland JB, Hopkins JT, Draper DO, Eggett DL. Whole-body vibration compared to traditional physical therapy in individuals with total knee arthroplasty. *Physical Therapy 2008: The Annual Conference and Exposition of the APTA,* June 11-14, 2008(PO-RR-70-TH), www.ptjournal.org/misc/annualcon.dtl http://ptjournal.apta.org/site/misc/annualcon.xhtml
3. Feland JB, Hopkins JT, Hunter I, **Johnson AW**.  Hamstring stretching using a whole body vibration platform.  *British Journal of Sports Medicine*.  2008; 42, 519.

***Presentations***

1. **Perkins KV\*, Johnson AW.** Presented at the Southwest American College of Sports Medicine Annual Meeting, Costa Mesa, CA, October 2018.
2. Ridge, ST, Bruening, DA, Jurgensmeier, K\*, Olsen, M†, Griffin, D\*, **Johnson, AW**, Davis, I. A comparison of foot strengthening versus minimal footwear use on intrinsic muscle size and strength. Presented at the Annual Meeting of the American Orthopaedic Foot and Ankle Society, Boston, MA, July 2018.
3. Ridge, ST, Henderson, A†, Bruening D, Jurgensmeier, K\*, Olsen, M†, Griffin, D\*, **Johnson, AW**, Davis, I. Midfoot angle changes during running after an 8-week intervention program. Presented at the Annual Meeting of the American Orthopaedic Foot and Ankle Society, Boston, MA, July 2018.
4. Ridge, ST, **Johnson, AW**, Dunbar, J†, Griffin, D\*, Ferguson, D\*, Olsen, M†, Bruening, D. Measurement of foot muscle strength and activation. Presented at the biannual International Foot and Ankle Biomechanics Congress, New York, NY, April 2018.
5. **Johnson, AW**, Garner, KR†, Olsen, MT†, Dunbar, J†, Bruening, D, Ridge, ST. The differences in time to stability, foot muscle size, and toe flexor strength between gymnasts, cheerleaders, and non-athletes. Presented at the biannual International Foot and Ankle Biomechanics Congress, New York, NY, April 2018.
6. Olsen, M†, Bruening, D, **Johnson, AW**, Ridge, ST. Static foot structure may predict midfoot mechanics. Presented at the biannual International Foot and Ankle Biomechanics Congress, New York, NY, April 2018.
7. Dunbar, J†, Hoopes, D, Ridge, ST, Bruening, D, **Johnson, AW**. Great toe adduction decreases blood flow to the plantar fascia: a pilot study. Presented at the biannual International Foot and Ankle Biomechanics Congress, New York, NY, April 2018.
8. Bruening, DA, Olsen, MT†, **Johnson, AW**, Ridge, ST. Foot mechanics in drop landings. Presented at the biannual International Foot and Ankle Biomechanics Congress, New York, NY, April 2018.
9. Victoria V. Violette†, **A. Wayne Johnson**, Neal Bangerter, Grayson Tarbox. Magnetic Resonance Assessment of Lower Leg Muscle Activation After Blood Flow Restricted Exercises: A Pilot Study. Presented at the biannual International Foot and Ankle Biomechanics Congress, New York, NY, April 2018.
10. **Johnson AW**, Bowden JA†, Mitchell UH. A 3-year Journey to Diagnosis of Hypophosphatasia in an Adolescent Male. Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting in New Orleans, February 2018.
11. Mitchell UH, **Johnson AW**, Seamons C, Larson RE. Rhomboid minor and major muscle thickness changes with positioning. Presented at the American Physical Therapy Association Annual Combined Sections Meeting, New Orleans, LA, February 2018.
12. **Ferguson D\*, Johnson AW,** Ridge ST, Bruening DA**.** Comparing custom foot doming strength devices. Presented at the Southwest American College of Sports Medicine Annual Meeting, Long Beach, CA, October 2017.
13. **McClung M\*,** Bruening DA**,** Ridge ST, **Johnson AW.** Comparison of pressure mat and toe dynamometer to assess great toe flexion strength. Presented at the Southwest American College of Sports Medicine Annual Meeting, Long Beach, CA, October 2017.
14. Dunbar J†, Hoop D. MD, Ridge ST**,** Bruening DA**, Johnson AW.** Great toe adduction decreases blood flow to the plantar fascia: a pilot study. Presented at the Southwest American College of Sports Medicine Annual Meeting, Long Beach, CA, October 2017.
15. **Griffin D\*, Johnson AW,** Bruening DA**,** Ridge ST. Learning effect and repeatability of metatarsal doming. Presented at the Southwest American College of Sports Medicine Annual Meeting, Long Beach, CA, October 2017.
16. **Poplawski K\*,** Bruening DA**, Ferguson D\*, McClung M\*, Griffin D\***, Dunbar J†,Ridge ST, **Johnson AW.** Similar strengths between dominant and non-dominant feet in performing the doming pull strength test. Presented at the Southwest American College of Sports Medicine Annual Meeting, Long Beach, CA, October 2017.
17. Dunbar JL**†**, Ridge ST, Bruening DA, Garner KR**†**, Eggett D, **Johnson AW.**  Which foot and lower leg muscles best predict time to stability in single leg landings? Presented at the Utah Chapter of American Physical Therapy Association Annual Meeting, Salt Lake City, UT, October 2017.
18. Ridge ST, Olsen M**†, Griffin D\*,** deVries TD**†,** **Johnson AW,** Davis I**.**  The effect of an 8-week strengthening protocol on foot and lower leg muscle size and strength. Presented at the Utah Chapter of American Physical Therapy Association Annual Meeting, Salt Lake City, UT, October 2017.
19. Bruening DA, Olsen M**†, Johnson AW,** Ridge ST**.**  Ankle or mid-foot? The importance of the mid-foot in landing. Presented at the Utah Chapter of American Physical Therapy Association Annual Meeting, Salt Lake City, UT, October 2017.
20. Violette VA**†**, Ridge ST, Bruening DA, Myrer JW, **Johnson AW.**  Ultrasound Measurement Technique of Tibialis Posterior Cross-Sectional Area. Presented at the Utah Chapter of American Physical Therapy Association Annual Meeting, Salt Lake City, UT, October 2017.
21. Dunbar JL**†,** Ridge ST, Bruening DA, Garner KR**†**, Eggett DL, **Johnson AW**. Lateral Extrinsic Foot Muscle Size Best Predicts Time to Stability in Single Leg Landing. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, June 2017.
22. Ridge ST, Olsen M**†**, Garner KR**†**, Myrer JW, Bruening DA, **Johnson AW**. Comparison of Intrinsic Foot Muscle Size and Strength Between Gymnasts and Shod Runners. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, June 2017.
23. Violette VA**†**, Ridge ST, Bruening DA, Myrer JW, **Johnson AW**. Reliability and Comparison of Measurements of the Tibialis Posterior Cross-Sectional Area Via Ultrasound Imaging. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, June 2017.
24. **Johnson AW**, deVries TD**†**, Kirwan B, Myrer JW. fMRI Assessed Neural Activation in Blood Flow Restricted Handgrip Exercise. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, June 2017.
25. Bruening DA, Olsen M**†**, **Johnson AW**, Ridge ST. The Role of the Midtarsal Joint in Drop Landings. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, June 2017.
26. **Johnson AW**, Mitchell UH. Dry Needling in the upper thorax: Hand dominance does not affect tissue thickness to the pleura. Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting 2017 in San Antonio, TX, February 2017.
27. Mitchell UH, **Johnson AW**. Considerations for dry needling the levator scapulae/upper trapezius. Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting 2017 in San Antonio, TX, February 2017.
28. **Oral Platform Presentation**, Mitchell UH; **Johnson AW**. Dry needling the rhomboid major: Considerations for positioning. Presented at the Annual Conference of American Academy of Orthopedic Manual Physical Therapist, St. Louis, MO, October 2016.
29. **Keynote/Plenary Presentation**, Mitchell UH; **Johnson AW**. Clinical Pearls: Dry needling the rhomboid major: Considerations for positioning. Presented at the Annual Conference of American Academy of Orthopedic Manual Physical Therapist, St. Louis, MO, October 2016.
30. **Johnson AW, deVries TD†,** Kirwan CB, Myrer JW. FMRI Assessed Neural Activation in Blood-flow-restricted Handgrip Exercise. Presented at the Southwest American College of Sports Medicine Annual Meeting. October 2016, Costa Mesa, CA.
31. **Violette VA†,** Olsen MT†, **Johnson AW.** Reliability and Comparison of Measurements of the Tibialis Posterior Cross-Sectional Area Via Ultrasound Imaging. Presented at the Southwest American College of Sports Medicine Annual Meeting, Costa Mesa, CA, October 2016.
32. **Dunbar JL†,** Ridge ST, Bruening DA, Garner KR†, Eggett DL, **Johnson AW.** Size of Lateral Muscles in the Lower Leg Found to Be a Good Predictor of Time to Stability in Single Leg, Barefoot Landings. Presented at the Southwest American College of Sports Medicine Annual Meeting, Costa Mesa, CA, October 2016.
33. **Garner KR†;** Ridge ST; Bruening DA; Myrer JW; Mitchell UH; **Johnson AW.** The Size of Medial and Lateral Extrinsic Foot Muscles Influences Time to Stability in Barefoot Single Leg Landings. Presented at the Southwest American College of Sports Medicine Annual Meeting, Costa Mesa, CA, October 2016.
34. **Griffin DW\***; Olsen MT†; **Johnson AW**; Ridge ST. Lower Leg Muscle Size May Predict Peak Angular Velocity of Calcaneal Eversion During Drop Landings. Presented at the Southwest American College of Sports Medicine Annual Meeting, Costa Mesa, CA, October 2016.
35. **Olsen MT†;** **Johnson AW**; Bruening DA; Ridge ST. The Role of the Midfoot and Ankle in Drop Landings. Presented at the Southwest American College of Sports Medicine Annual Meeting, Costa Mesa, CA, October 2016.
36. **Johnson AW, deVries TD†,** Kirwan CB, Myrer JW. FMRI Assessed Neural Activation in Blood-flow-restricted Handgrip Exercise. Presented at the Utah Chapter of American Physical Therapy Association Annual Meeting, Layton, UT, October 2014.
37. **deVries TD†**; Kirwan BC; Myrer JW; **Johnson AW**. Central Nervous System Activation in Blood Flow Restricted versus Non-Restricted Exercise: A Pilot Study. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: 855 May 2016 (<http://journals.lww.com/acsm-msse/pages/contributorindex.aspx?filter=D&year=2016&issue=0500>). Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
38. **Oral Presentation: Johnson AW**; deVries TD†; Brewer S\*; Rich A\*; Myrer JW; Davis IS FACSM; Ridge ST. 8 Week Exercise Protocol and Minimalist Shoes Walking Effect on Lower Leg Muscle Size. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: May 2016 (http://journals.lww.com/acsm-msse/pages/contributorindex.aspx?filter=D&year=2016&issue=05001). Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
39. Myrer JW; **Johnson AW**; Hager RL; George JD; Mortensen BB†; Fulton SM†; Fellingham GW. The Egoscue Method’s Effect on Nonspecific Chronic Low Back Pain and Functional Disability. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: 380 May 2016. Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
40. Bridges, Jarom T.†; Ridge, Sarah T.; Myrer, Joseph W.; Hunter, Iain; Davis, Irene S.; Eggett, Dennis L.; **Johnson, Aaron W**. Therapeutic Exercise Effects on Function of the Medial Longitudinal Arch During Running: A Preliminary Study. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: May 2016 (http://journals.lww.com/acsm-msse/pages/contributorindex.aspx?filter=D&year=2016&issue=05001). Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
41. **Olsen, Mark T.†**; Griffin, David B.\*; deVries, Tiffany†; **Johnson, Aaron W**.; Davis, Irene S.; Ridge, Sarah T. Therapeutic Exercise Effects on Function of the Medial Longitudinal Arch During Running: A Preliminary Study. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: May 2016 (http://journals.lww.com/acsm-msse/pages/contributorindex .aspx?filter=D&year=2016&issue=05001). Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
42. **Griffin, David B.\***; Olsen, Mark Taylor†; **Johnson, Aaron Wayne**; Davis, Irene S.; Ridge, Sarah T. The Effect of an 8-week Arch Muscle Strengthening Protocol on Arch Height Index. *Medicine and Science in Sports and Exercise,* 48(5s) supplement: May 2016 (http://journals.lww.com/acsm-msse/pages/contributorindex.aspx?filter=D&year=2016&issue=05001). Presented at the Annual Meeting of the American College of Sports Medicine, Boston, MA, May 2016.
43. **Johnson AW**, Myrer JW, Gulbransen MT\*, Newell NJ\*, Ridge ST. Intrarater reliability in the measurement of intrinsic foot muscle strength. Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting 2016 in Anaheim, CA, January 2016.
44. **Johnson AW**, Myrer JW, deVries TD†, Stoneman PD, Ridge ST. Comparison of intrarater reliability of ultrasound foot muscles size measurements using video recordings versus still images. Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting 2016 in Anaheim, CA, January 2016.
45. Felton S\*, Olsen MT†, Griffin DB\*, Jurgensmeier K\*, deVries TD†, **Johnson AW**, Ridge ST. The Effect of Foot Dominance on Foot Strength Before and After Participation in a Specified 8 Week Exercise Program. Presented at the SWACSM District Meeting, Costa Mesa, CA, October 2015.
46. Jurgensmeier K\*, Griffin DB\*, Felton S\*, Olsen MT†, Ridge ST**, Johnson AW**. Four Wsynposeeks of Minimalist Shoe Walking and Specific Foot Strengthening Exercises Improve Intrinsic Foot Muscle Strength. Presented at the SWACSM District Meeting, Costa Mesa, CA, October 2015.
47. Griffin DB\*, Olsen MT†, Jurgensmeier K\*, Felton S\*, **Johnson AW**, Ridge ST. Analysis of Three Methods of Measuring Medial Longitudinal Arch Height. Presented at the SWACSM District Meeting, Costa Mesa, CA, October 2015.
48. Olsen MT†, Ridge ST**, Johnson AW**. Minimalist Shoe Walking and Foot Strengthening Exercises Results in Increased Intrinsic foot Muscle Strength Over 8 Weeks. Presented at the SWACSM District Meeting, Costa Mesa, CA, October 2015.
49. deVries TD†, **Johnson AW**, Myrer JW, Ridge ST. Intra-rater Reliability in Measuring the Thickness of Two Lower Leg Muscles. Presented at the Annual Meeting of the American College of Sports Medicine, San Diego, CA, May 2015.
50. Myrer JW, Ridge ST, deVries TD, **Johnson AW**. Ultrasound Video Recordings Enable Intra-rater Reliability of Muscle Size measurements of the Toe Flexor Muscles. Presented at the Annual Meeting of the American College of Sports Medicine, San Diego, CA, May 2015.
51. Seabrook KE\*, Olsen MT\*, Griffin DB\*, Ridge ST, **Johnson AW**. Inter and Intra Day Reliability Study of Intrinsic foot Muscle Strength. Presented at the Annual Meeting of the American College of Sports Medicine, San Diego, CA, May 2015.
52. Olsen MT\*, Griffin DB\*, Seabrook KE\*, Ridge ST, **Johnson AW**. Comparing Static and Dynamic Arch Height During Running Using the Oxford Foot Model. Presented at the Annual Meeting of the American College of Sports Medicine, San Diego, CA, May 2015.
53. Griffin DB\*, Olsen MT\*, Seabrook KE\*, Ridge ST, **Johnson AW**, Myrer JW. Correlation of Arch Height Measurement and Foot Strength. Presented at the Annual Meeting of the American College of Sports Medicine, San Diego, CA, May 2015.
54. **Johnson AW**, Brooks CN†, Seeley MK, Myrer JW, Feland JB. Acute Effects of Whole-body Vibration Stretching on Passice and Dynamic Flexibility in Young Gymnast. Presented at the Annual Meeting of the American College of Sports Medicine, San Diego, CA, May 2015.
55. deVries TD†, **Johnson AW**, Myrer JW, Ridge ST. Intra-rater reliability in measuring the thickness of two lower leg muscles. Presented at the SWACSM District Meeting, Costa Mesa, CA, October 2014.
56. **Johnson AW**, Neves KA†, Hunter I, Myrer JW. Achilles tendon changes in downhill, level and uphill running. Presented at the SWACSM District Meeting, Costa Mesa, CA, October 2014.
57. Griffin D\*, Olsen M\*, Seabrook K\*, **Johnson AW**, Ridge ST. Assessing Intra- and Inter-tester Reliability of the Variform AccuPin Scanner for Arch Height Measurement. Presented at the SWACSM District Meeting, Costa Mesa, CA, October 2014.
58. Olsen M\*, Griffin D\*, Seabrook K\*, **Johnson AW**, Ridge ST. Comparing Static and Dynamic Arch Height Index Using the Oxford Foot Model. Presented at the SWACSM District Meeting, Costa Mesa, CA, October 2014.
59. Seabrook K\*, Olsen M\*, Griffin D\*, Felton S\*, **Johnson AW**, Ridge ST. Inter-day Reliability Study of Intrinsic Foot Muscle Strength. Presented at the SWACSM District Meeting, Costa Mesa, CA, October 2014.
60. Felton S\*, Seabrook K\*, Olsen M\*, Griffin D\*, **Johnson AW**, Ridge ST. Intra-tester Reliability Study of Intrinsic Foot Muscle Strength. Presented at the SWACSM District Meeting. October 2014, Costa Mesa, CA.
61. Parker S\*, **Johnson AW**, Mitchell UH. Inter-tester and inter-medium reliability of the FMS. Presented at the SWACSM District Meeting. October 2014, Costa Mesa, CA, and at the Utah Physical Therapy Association Fall Conference, Layton UT, Oct 11, 2014.
62. Benson B†, **Johnson AW**. One-Year Strength recovery of the triceps surae in a female runner after tendon injury. Presented at the Utah Physical Therapy Association Fall Conference, Layton, UT, Oct 11, 2014.
63. Ridge ST, Nelson J†, Leah D\*, **Johnson AW**, Hunter I, Standifird T, Bruening D. Lower Extremity Kinematics After 10-week Transition to Minimalist Running Shoes. Presented at the World Council of Biomechanics, Boston, MA, July 2014.
64. Rigby JH†, Mack GW, **Johnson AW**, Myrer JW, Bylund RS, Draper DO. The Time Course of Dexamethasone Sodium Phosphate Delivered Via Iontophoresis Through Human Skin. National Athletic Trainers’ Association, Indianapolis, Indiana, June 2014
65. **Johnson AW**, Mitchell UH, Vehrs Z†, Uvacsek M, Tóth M, Mako L, Vehrs P. Gender Differences in Hungarian Children on the Functional Movement Screen and Arm Strength. Presented at the Annual Meeting of the American College of Sports Medicine, Orlando, FL, May 2014
66. Neves KA†, **Johnson AW**, Myrer JW, Neves C\*, Bridges J†, Hunter I. Changes in Achilles’ Tendon Cross-sectional Area in Collegiate Cross-country Runners Across a Competitive Season. Presented at the Annual Meeting of the American College of Sports Medicine, Orlando, FL, May 2014
67. Myrer JW, **Johnson AW**, Neves C\*, Bridges J†, Neves T, Eggett D. Multifidus size in Female Collegiate Volleyball Players from Preseason to Postseason and with Back Pain. Presented at the Annual Meeting of the American College of Sports Medicine, Orlando, FL, May 2014.
68. Ridge ST, Mitchell UH, Hunter I, **Johnson AW**. Muscle Size Difference Before and After 10-week Minimalist Shoe Transition: Preliminary Comparison of Injured vs. Non-injured Runners. Presented at the Annual Meeting of the American College of Sports Medicine, Orlando, FL, May 2014.
69. Brierly J\*, Seabrook K\*, Olsen M\*, Felton S\*, **Johnson AW**, Ridge ST. The Effect of Walking in Minimalist Shoes on Intrinsic Foot Muscle Strength: A Pilot Study. Presented at Annual Meeting of the Rocky Mountain Region of the American Society of Biomechanics, Estes Park, CO, April 2014.
70. Mitchell UH, **Johnson AW**, Adamson B\*. Association of core strength and functional movement ability with body mass index in school children in Moldova. Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting 2014 in Las Vegas, NV, February 2014.
71. Mitchell UH, **Johnson AW**, Feland JB. Body mass index, predicted VO2Max, and total functional movement screen score in the active elderly population. Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting 2014 in Las Vegas, NV, February 2014.
72. Neves C\*, **Johnson AW**, Myrer JW, Hunter I, Neves KA†, Bridges J†. Preliminary study on changes in multifidus cross-sectional area in female collegiate volleyball players from preseason to post season and comparing multifidus CSA changes to back. Presented at the SWACSM District Meeting, Newport Beach, CA, October 2013.
73. Neves KA†, **Johnson AW**, Myrer JW, Hunter I, Neves C\*, Bridges J†. Changes in Achilles’ tendon cross-sectional area in collegiate cross country runners across a competitive season. Presented at the SWACSM District Meeting, Newport Beach, CA, October 2013.
74. Bridges J†, **Johnson AW**, Myrer JW, Hunter I, Neves C\*, Neves KA†. Changes in Achilles’ tendon cross-sectional area in collegiate cross country runners across a competitive season. Utah Physical Therapy Association, Layton UT, Oct 12, 2013.
75. Vehrs, Z.F. †, Vehrs, P.R., **Johnson, A.W**., Mitchell, U, Nomiyami M\*, Barker H\*, Uvacek M, Toth M, Mako L. Functional Movement Screen performance and its relationship to BMI and body fat in children. Utah Physical Therapy Association, Layton, UT, Oct 12, 2013.
76. Vehrs ZF†, Vehrs PR, **Johnson AW**, Mitchell U, Nomiyami M\*, Barker H\*, Uvacek M, Toth M, Mako L. The functional movement screen is negatively correlated to BMI and body fat in children. Southwest Chapter of the American College of Sports Medicine. Newport Beach, CA, October 2013.
77. Nomiyami M\*, **Johnson AW**, Mitchell U, Vehrs PR, Barker H\*, Vehrs ZF†, Uvacek M, Toth M, Mako L. Gender differences in Hungarian Children aged 10-12 years on the Functional Movement Screen and elbow flexor and extensor strength. Utah Physical Therapy Association, Layton UT, Oct 12, 2013.
78. Neves C\*, **Johnson AW**, Myrer JW, Hunter I, Neves KA†, Bridges J†. Preliminary study on changes in multifidus cross-sectional area in female collegiate volleyball players from preseason to post season and comparing multifidus CSA changes to back. Utah Physical Therapy Association, Layton, UT, Oct 12, 2013.
79. Nomiyami M\*, **Johnson AW**, Mitchell U, Vehrs PR, Barker, H\*, Vehrs ZF, Uvacek M, Toth M, Mako L. Gender Differences in Hungarian Children Aged 10–12 Years on the Functional Movement Screen and Elbow Flexor and Extensor Strength. Southwest Chapter of the American College of Sports Medicine. Newport Beach, CA, October 2013.
80. Myrer JW, Neves KA†, **Johnson AW**, Hunter I, Neves C\*, Bridges J†. A four mile run decreases Achilles tendon thickness. *NATA National Meeting*, Las Vegas, NV, June 2013
81. **Johnson AW**, Evanson A†, Mitchell UH, Myrer JW, Eggett D. Multifidus muscle size and atrophy among dancers with and without low back pain. Presented at the *Physical Therapy 2013: APTA’s Annual Conference & Exposition,* Salt Lake City, UT, June 26, 2013.
82. **Johnson AW**, Mitchell UH, Sarah Ridge S, Iain Hunter I, Myrer JW. Abductor hallucis cross-sectional area increased after a 10-week transition period of running in Vibram five-fingers running shoes. Presented at the *Physical Therapy 2013: APTA’s Annual Conference & Exposition,* Salt Lake City, UT, June 26, 2013.
83. Ridge ST, Mitchell UH, Hunter I, **Johnson AW**, Brown D. Bone marrow edema in the foot after a 10-week transition from traditional running shoes to minimalist running shoes. Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting 2013 in San Diego, CA, January 2013
84. Myrer JW, **Johnson AW**, Mortensen BB†, Jordan P, Platt T\*. Does subcutaneous adipose affect intramuscular heating and cooling by ultrasound? Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting 2014 in San Diego, CA, January 2013
85. Mitchell UH, **Johnson AW**, Ridge ST, Hunter I. Intra- and Inter-tester Reliability of the Varifit Foot Assessment Device. Presented at the American Physical Therapy Association’s Combined Sections Annual Meeting 2013 in San Diego, CA, January 2013
86. Neves C\*, **Johnson AW**, Myrer JW, Hunter I, Neves KA†, Bridges J†. An 8.3 mile run decreases Achilles’ tendon thickness in collegiate male cross country runners. Presented at the SWACSM District Meeting. October 2012, Newport Beach, CA.
87. Neves KA†, **Johnson AW**, Myrer JW, Hunter I, Neves C\*, Bridges J†. A 4 mile run decreases Achilles’ tendon thickness and cross-sectional area in collegiate female cross country runners. Presented at the SWACSM District Meeting. October 2012, Newport Beach, CA.
88. Standifird T†, **Johnson AW**, Hunter I, Ridge ST Lower extremity joint moments during the active peak vertical ground reaction force in three different running conditions. 2012 Annual American Society of Biomechanics Meeting, August 2012
89. Feland JB, Allen JG†, **Johnson AW**, Myrer JW, Eggett DL. The acute effects of whole body vibration and static stretching on intramuscular temperature of the hamstrings and quadriceps. Presented at the *Physical Therapy 2012: APTA’s Annual Conference & Exposition,* Tampa, FL, June 5–9, 2012.
90. **Johnson AW**, Mortensen BB†, Anderson J, Myrer JW. A pilot study investigating sitting neck Extensor Strength and Endurance Between Subjects With and Without Neck Pain. Presented at the *Physical Therapy 2012: APTA’s Annual Conference & Exposition,* Tampa, FL, June 5–9, 2012.
91. Mitchell UH, Eastman CS†, **Johnson AW**, Feland BJ.Effect of High-speed treadmill training with a body weight support system in a sport acceleration program. Presented at the *Physical Therapy 2012: APTA’s Annual Conference& Exposition,* Tampa, June 5-9, 2012.
92. **Johnson AW,** Mitchell UH, Ridge ST, Myrer JW, Hunter I. Intra-rater reliability of intrinsic foot muscle size in runners. Presented at the *Physical Therapy 2012: APTA’s Annual Conference & Exposition,* Tampa, FL, June 5–9, 2012.
93. Shumway C\*, Myers K\*, Feland JB, **Johnson AW**, Crossley K†, Eggett DL. Intramuscular temperature responses of 4 lower extremity muscles to whole body vibration training. Presented at the Annual Meeting of the American College of Sports Medicine, San Francisco, CA, May 29–June 2, 2012
94. Myers K\*, Shumway C\*, Feland JB, **Johnson AW**, Crossley K†, Eggett DL. Whole body vibration compared to biking on the warm-up effect of the lower extremity. Presented at the Annual Meeting of the American College of Sports Medicine, San Francisco, CA, May 29–June 2, 2012
95. **Johnson AW**, Vehrs P, George JD, Perry J\*, Fellingham G. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: Cardiovascular and metabolic responses to exercising with the glidetrak compared to running. Presented at the Annual Meeting of the American College of Sports Medicine, San Francisco, CA, May 29–June 2, 2012
96. Benson B†, **Johnson AW**. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: One-year strength recovery of the triceps surae in a female runner after tendon injury. Presented at the Annual Meeting of the American College of Sports Medicine, San Francisco, CA, May 29–June 2, 2012
97. Smyres A†, **Johnson AW**, Mitchell UH, Myrer JW, Feland JB, Seeley MK, Brooks C†, Mortensen B†, Anderson J. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: Electromyography comparison of three isometric lumbar spine extensor strengthening exercises. Presented at the Annual Meeting of the American College of Sports Medicine, San Francisco, CA, May 29–June 2, 2012
98. Brooks C†, **Johnson AW**, Myrer JW, Uvacsek M, Toth M, Vehrs P, Hager R, Smyres A†. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: Mutlifidus cross-sectional area In Hungarian Gymnasts With And Without Back Pain - A Preliminary Study. Presented at the Annual Meeting of the American College of Sports Medicine, San Francisco, CA, May 29–June 2, 2012
99. Crossley K, Feland JB, **Johnson AW**, Eggett D. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: Pennation Angle Changes, Muscle Architecture, and Whole Body Vibration Training. Presented at the Annual Meeting of the American College of Sports Medicine, San Francisco, CA, May 29–June 2, 2012
100. Mitchell UH, **Johnson AW**, Simmons B\*. American College of Sports Medicine, 59th Annual Meeting in San Francisco, CA, May 2012: “A Comparative Cross-cultural Comparison Of Posture, Core Strength, Height, Age And Body Mass Index” Presented at the Annual Meeting of the American College of Sports Medicine, San Francisco, CA, May 29–June 2, 2012
101. Perry J\*, **Johnson, AW**, Vehrs P, Fellingham G; George JD, DeFrancis Z\*; Jordan D\*. Effective Physical Therapy Aids: Discovering the Potential Cardiovascular Benefits of the GlideCycle. Presented at the Utah Physical Therapy Association Annual Meeting, October 2011
102. Mitchell UH, **Johnson AW**, Simmons B\*. A comparative cross-cultural comparison of posture, core strength, height, age and BMI. Presented at the Utah Physical Therapy Association Annual Meeting, October 2011
103. Olson T\*, **Johnson AW**, Ridge ST, Mitchell UH, Hunter I, Asay J\*, Petersen J\*. Intra-rater reliability of foot intrinsic muscle size measured by ultrasound. Presented at the SWACSM District Meeting. October 2011, Reno
104. **Johnson, AW**, Ridge ST, Mitchell UH, Hunter I, Asay J\*, Petersen J\*. Inter-tester reliability of the varifit foot assessment device. Presented at the SWACSM District Meeting. October 2011, Reno
105. **Johnson AW**, Sommerfeldt RJ\*, Mitchell UH, Seeley MK, & George JD. Upper extremity dexterity changes due to neck extensors or forearm muscle fatigue. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, USA. June 2011
106. **Johnson AW**, Meek K\*, Feland JB. Hamstring flexibility increases the same with 3 or 9 repetitions of stretching held for a total time of 90 seconds. Presented at the World Physical Therapy Congress 2011, Amsterdam, Netherlands June 2011
107. **Johnson AW**, Nagel AE\*, Mitchell UH. Preliminary cross-cultural comparison of young women’s core strength in Ghana, Africa and Utah, USA. Presented at the World Physical Therapy Congress 2011, Amsterdam, Netherlands June 2011
108. Mitchell UH, **Johnson AW**, Myrer JW, Hager RL. Comparison of two near-infrared light devices in regards to skin and tissue heating in a randomized single-blind controlled trial, Presented at the World Physical Therapy Congress 2011, Amsterdam, Netherlands June 2011
109. Mitchell UH, **Johnson AW**, Hager RL, George JD. American College of Sports Medicine, 58th Annual Meeting in Denver, CO, June 2011: Treatment with near-infrared light increases tissue temperature away from the treatment site in diabetic patients. Presented at the American College of Sports Medicine, 58th Annual Meeting in Denver, CO, June 2010
110. Perry J\*; **Johnson AW**; Ridge ST; Mack GW FACSM; Jordan D; Johnson A. GlideCycle Mobility Device Reduces Ground Reaction Forces Compared to Running in Healthy Individuals, Presented at the SWACSM District Meeting. October 2010, San Diego
111. Benson B†, **Johnson AW**, Draper DO, Mack GW FACSM. Effects of Therapeutic Ultrasound on the Recovery of a Lacerated Achilles Tendon in a Runner: A Case Study, Presented at the SWACSM District Meeting. October 2010, San Diego
112. Mitchell UH**, Johnson AW,** Hager RL**.** Near-infrared light treatment to the calves does not increase skin temperature at the soles of the feet. Presented at the Utah Physical Therapy Association Annual Meeting, October 2010
113. Neves T†, Seeley M, **Johnson AW,** Myrer JW**.** A kinematic comparison of three different volleyball blocking techniques. Presented at the 2010 Annual American Society of Biomechanics Meeting, Providence, RI, August 18–21 2010
114. King D\*, Seeley MK, **Johnson AW**, Park J†, Hopkins JT. Ground reaction force alterations due to experimentally induced anterior knee pain during landing, Presented at the American College of Sports Medicine, Annual Meeting, Baltimore MD, June 2010
115. Hopkins JT, FACSM, **Johnson AW**, Park J†, King D\*, Seeley MK. Lower Extremity Muscle Activation Alterations Due to Experimentally Induced Anterior Knee Pain During Landing. Presented at the American College of Sports Medicine, Annual Meeting, Baltimore MD, June 2010
116. Reece JD†**,** George JD, Feland JB, Myrer JW, **Johnson AW**, Hager R, Morgan **DW**\***. Development of an Interval Prone Bridge Test To Evaluate Abdominal Stability in Healthy Adults.** Presented at the **American College of Sports Medicine Annual Meeting, Baltimore, MD June 2010**
117. **Johnson, AW**; Feland, JB; Myrer, JW; Seeley, MK; Mitchell, UH. Neck Extensor Fatigue Does Not Inhibit Elbow Flexors or Extensors Physical Presented at the Therapy 2010: APTA’s Annual Conference & Expositionto be held in Boston, MA from June 16–19, 2010
118. Mitchell UH; **Johnson AW**; Myrer JW. Infrared and Infrared with Red Light Significantly Alleviate Symptoms Associated with Restless Legs Syndrome Presented at the Physical Therapy 2010: APTA’s Annual Conference & Exposition to be held in Boston, MA from June 16–19, 2010
119. Mitchell UH; **Johnson AW**; Myrer JW. Case report: Use of near-infrared light to reduce symptoms associated with Restless Legs Syndrome. Presented at the World Congress on Parkinson’s Disease and Related Disorders, Miami, FL, 2009
120. **Johnson AW**, Myrer JW, Seeley MK, Feland JB, Eggett DL, Carpenter JP\*, Richardson J\*. Reliability of a sitting and prone neck extensor in healthy individuals. Presented at the APTA’s Combined Sections Annual Meeting, San Diego, CA Feb 17-20, 2010
121. Mitchell UH; **Johnson AW**; Myrer JW; Hilton S. Near-Infrared Treatment Decreases Symptoms Associated With Restless Legs Syndrome. Presented at the APTA’s Combined Sections Annual Meeting 2010 in San Diego, CA February 17–20, 2010
122. Gwynn K\*, **Johnson AW**, Feland JB, Mitchell UH Myrer JW. Neck extensor fatigue does not inhibit the biceps brachii. Presented at the Utah Physical Therapy Association Annual Meeting, October 2009
123. Villamonte R†, Vehrs PR, Feland JB,  **Johnson AW**, Seeley MK, and Eggett D. Presented at the Reliability of sixteen balance tests in individuals with Down syndrome. Presented at the International Mosaic Down Syndrome Conference in Cincinnati, OH, July 2009.
124. Draper DO, Castel JC, Shurtz JC\*, Fujiwara T, **Johnson AW**, Coglianese MJ†, Crowther DC. Reliability of the Tissue Compliance-Algometer Outcome Assessment System on the Quadriceps Muscles of Healthy Rugby Players. Presented at the National Atheltic Trainers Association Annual Meeting, 2009
125. Carpenter JP\*, Richardson J\*, **Johnson AW**, Myrer JW, Seeley MK, Feland JB, Eggett DL. Presented at the Reliability of a sitting and prone neck extensor endurance test. Utah Conference on Undergraduate Research, Salt Lake City, 2009
126. Alder K\*, **Johnson AW**, Pope N. An interactive typing program increases time attending and accuracy in children with developmental disabilities. Presented at the Utah Physical Therapy Association Annual Conference, Heber, UT November 14, 2008

1. **Johnson AW**, Myrer JW, Hunter I, Feland JB, Hopkins JT, Draper DO, Eggett DL. Whole-body vibration compared to traditional physical therapy in individuals with total knee arthroplasty. Presented at the Physical Therapy 2008: APTA’s Annual Conference & Exposition, San Antonio, Tx June 12, 2008
2. Feland JB, Hopkins JT, Hunter I, **Johnson AW**.  Hamstring stretching using a whole body vibration platform.  Presented at the 2nd World Congress on Sports Injury Prevention. Tromso, Norway.  June 2008.

**Internal Funding**

***MRI Facility and Gerontology***

2017 **$5000**

MRI Seed Grant--*Reliability and Validity of MRI and Ultrasound Measurements of Lower Leg and Foot Muscles*

2015**–**2017 **$10,000**

MRI Seed Grant—*Assessment of Muscle Volume from High-*

*Resolution 3D MRI*

2015 **$3000**

MRI Seed Grant—*Central Nervous System Activation in Blood Flow Restricted versus Non-Restricted blood flow Exercise*

2010 **$4400**

Gerontology Research Grant Award

*– Affiliated researcher with BYU Gerontology Program Spinal rehabilitation in older adults with back pain*

***College of Life Sciences***

2018 CURA grant: The weight-bearing effect of shoes with a narrow toe-box on blood-flow in the foot: implications for plantar fasciitis. Brad Johnson

2016 MEG grant (not funded) *The Rehabilitation Effects of an Intervention of Blood-Flow-Restricted Exercise on Lower Extremity Injury and Diabetes Related Foot Muscle Atrophy and Diminished Vascular Function*

2015 MEG grant (not funded) *Intrinsic foot muscle strength in jumping and landing*

2013 MEG grant (not funded) *The Effects of Foot Strengthening Programs for Runners*

2012 MEG grant (not funded) *Cervical neck, proprioception, two-point discrimination, and ultrasound imaging*

2012 Kennedy Center Research grant (not funded) *Collaborative research with Semmelweis University investigating spinal posture, body composition and core muscle strength*

2012 Student ORCA grant (not funded) *Mentored research investigating relationship between Temporomandibular disorder and cervical spine muscle size via ultrasound imaging (Devin Burns)*

2011 MEG grant (not funded) *Mentored research investigating spinal posture, body composition and core muscle strength*

2011 Student ORCA grant (not funded)

***ORCA Mentoring Grant (College of Health and Human Performance)***

2010 Amy Nagel

*Spinal and Core muscle strength, activity level, and body composition in young women in Ghana, Africa, compared to Utah, USA*

2010 Jordan Perry (not funded)

*GlideCycle*

2009 Rachel Sommerfeldt

*Upper extremity functional dexterity changes due to neck extensor or forearm muscle fatigue*

2008 Kathryn Doshier

*Laptops for Learning Motivational Learning for Children with Autism*

***Faculty Fellowship Funds (College of Health and Human Performance)***

2009–2010 **$2400**

International travel to Hungary to conduct research

2009 **$1900**

*– Sitting neck extensor isometric endurance test in individuals with neck pain*

2008 **$3000**

Professional Development: awarded to Drs. Myrer and Johnson

*– Advanced training in musculoskeletal ultrasound*

2008 **$2900**

*Functional Outcomes in Active Seniors Following Total Knee* *Arthroplasty*

2007 **$3700**

*Elbow flexor muscle inhibition related to neck extensor muscle fatigue* *and experimental muscle pain*

2006–2007 **$2910**

*Neck extensor muscle endurance in a sitting compared to prone position in healthy individuals*

***Department of Exercise Sciences and Fulton Grants***

2018 **$900** Changes in Blood Flow to Plantar Fascia

Graduate Student Research Grant

Julia Dunbar

2017-2018 **$500** Tibialis Posterior Validity and Reliability Study: Ultrasound comparison to MRI

Undergraduate Student Research Grant

Christopher Thompson

2015–2016 **$1245**

Graduate Student Research Grant

Kelsey Garner

2015–2016 **$2400**

Graduate Student Research Grant

Tiffany deVries

2013–2014 **$650**

Graduate Student Research Grant

Katy Neves

2013–2015 **$2800**

Graduate Student Research Grant

Jarom Bridges

2012–2013 **$550**

Graduate Student Research Grant

Caisa Brooks

2012 **$780**

Graduate Student Research Grant

Alyssa Symres Evanson

2010 **$5000**

Mary Lou Fulton Graduate Student Research Grant

*– Carie Eastman, High speed treadmill training during a sports acceleration program for women soccer players*

2009 **$3374**

Mary Lou Fulton Grant

*– Tissue temperature and lower extremity blood flow response to infrared light therapy*

2009 **$530**

Fulton Grant

*– Kimberly Gwynn (mentored student) Presentation at Utah Physical Therapy Association Annual Meeting*

2009 **$1000**

Mary Lou Fulton Grant

*– Amy Nagle (mentored undergraduate) Travel to Ghana for study abroad and research*

2009 **$400**

Mary Lou Fulton Grant

*– Jacqueline Carpenter (mentored undergraduate) Presentation at Utah Conference on Undergraduate Research*

2008 **$390**

Ira and Mary Lou Fulton Grant

*– Kathryn Doshier Alder (mentored undergraduate) Presentation at Utah Physical Therapy Association Annual Conference: Laptops for learning, an interactive typing program increases time attending in children with developmental disabilities*

2008 **$2400**

Ira and Mary Lou Fulton Grant

*– Taubi Neves (mentored undergraduate)*

2008 **$420**

Ira and Mary Lou Fulton Grant

*– Kathryn Doshier Alder (mentored undergraduate) Laptops for learning, An interactive typing program increases time attending in children with developmental disabilities*

2007 **$1300**

Ira and Mary Lou Fulton Grant

*– Jessica Richardson (mentored undergraduate) Neck extensor muscle endurance in a sitting compared to prone position in healthy young individuals*

2007 **$1750**

Ira and Mary Lou Fulton Grant

– *Kimberly Gwynn (mentored undergraduate) Neck extensor muscle fatigue and muscle activation of the biceps brachii*

2006 **$1100**

Ira and Mary Lou Fulton Grant

*– Whole-body vibration compared to traditional physical therapy in individuals with total knee arthroplasty*

**External Funding**

2016–2021 **$2,250,000** (Not funded)

Department of Defense (Invited to submit full application); Multicenter Study – A Novel Approach to the Treatment of Plantar Fasciitis in Runners; Primary Investigator: Irene Davis PT, PhD (Spaulding National Running Center, Department of Physical Medicine and Rehabilitation, Harvard Medical School); Co-investigator: Sarah T. Ridge PhD (Department of Exercise Sciences, BYU) $603, 490—Part of the overall funding application: – Neuromusculoskeletal Injuries Rehabilitation Research Award. I would provide imaging and rehabilitation training to research assistants, conduct data collection, perform image analysis, perform statistical analysis, and assist in manuscript preparation.

2013 **$600,000** (Not funded)

Department of Defense: CDMRP FY13 Peer Reviewed Orthopaedic Research Program; Multicenter Study – The Effect of Proper Transitioning and Habitual Minimalist Running Shoe Use on Running-related Injuries. Primary Investigator: Irene Davis PT, PhD (Spaulding National Running Center, Department of Physical Medicine and Rehabilitation, Harvard Medical School) Co-investigator: Sarah T. Ridge PhD (Department of Exercise Sciences, BYU). I would provide imaging and rehabilitation training to research assistants, conduct data collection, perform image analysis, perform statistical analysis, and assist in manuscript preparation.

2011 **$40,000**

Foundation for Physical Therapy 2012 Research Grant (Not funded)

*– Muscle size, two-point discrimination and joint reposition error in individuals with and without neck pain.* I was principle investigator and prepared the grant application.

2011 **$47,495**

North American Spine Society (Not funded)

*– Management of cervical radiculopathy; traditional physical therapy compared to proprioceptive and ultrasound guided biofeedback training.* I was principle investigator and prepared the grant application.

2009 **$70,000**

National Institutes of Health LPR grant (Not funded). I prepared the grant application.

2007 **$70,000**

National Institutes of Health LPR grant (Not funded). I prepared the grant application.

2005 **$2,000**

Myrer JW, Johnson AW. Grant from Nutricare Ltd.

*– Examine the effects of “Muscle Energizing Cream” on delayed onset muscle soreness.*

**CITIZENSHIP**

*Committee Assignments*

**University**

Institutional Review Board for Human Subjects-board member, January 2015– February 2018

**College**

Research Committee, 2009–2011

**Department**

Travel Committee, Chair, 2009–2016

Pre-physical Therapy Advisor, September 2008–Present

Search Committee for Department Hire, 2016

Search Committee for Athletic Training Hire, 2008

Search Committee for Biomechanics Hire, 2008–2009

Senior Recognition Banquette Committee, 2007

*Professional Organizations*

Vice-President of Utah Physical Therapy Association, 2011–2015

American College of Sports Medicine-member, 2010–Present

American Physical Therapy Association – member, 1996–Present

Utah Physical Therapy Association – member, 2004–Present

Nominated for National position in the Orthopedic Academy of Physical Therapy Foot and Ankle Special Interest Group, 2018

*Service to Church, Community, and University*

**Church** (voluntary service, non-paid)

Church callings present and past (i.e., Stake High Council, Bishop, Ward Young Men’s President, 2nd Counselor Stake Young Men Presidency, Boy Scout Leader (Scout Master, Varsity Coach, 11-year-old Scout leader, Unit Commissioner), Elder’s Quorum President and Counselor in Elder’s Quorum, Sunday School Teacher, and Primary Teacher)

**Community**

Boy Scout Leader (Unit Scout Executive, Scout Master, Varsity Coach, 11-year-olds Scout leader, Unit Commissioner)

Payson City Annual Salmon Supper

Payson City Annual Scottish Festival

**University**

Gerontology Program Faculty Affiliate, Brigham Young University, 2016–present

Faculty Advisor for the Physical Therapy & Occupational Therapy Club, 2008–Present

University representative for private meeting/luncheon and dinner with Hungarian Ambassador and his wife, 2013

University representative for private meeting/luncheon and dinner with Hungarian Ambassador and his wife, 2012

University representative for private meeting/luncheon and dinner with Hungarian Ambassador and his wife, 2010

University representative for private meeting/luncheon with Hungarian Consul General of Hungary and Hungarian Consulate dignitaries, 2009

University representative for private meeting/luncheon with Hungarian Ambassador and Hungarian Consulate dignitaries, 2008

*Invited Journal Reviewer*

Journal of Physical Therapy Theory and Practice

Journal of Athletic Training

Athletic Training Today

International Journal of Sports Medicine

**Professional Development AND cONTINUING EDUCATION**

2009 Undergraduate Education Academy

2009 Publish and Flourish seminar

2006–2008 New Faculty Development Series, BYU

2008 Publish and Flourish seminar

2007 Publish and Flourish seminar

2012 Managing Disorders of the Head and Neck “Get your head in the game-Concussion and other brain injury,” Utah Physical Therapy Association May 4–5, 2012

2011 Advances in Examination and Treatment of Orthopedic and Sports Related Knee Injuries: with additional focus on the patellofemoral joint. Robert C. Manske PT, DPT, Med, SCS, ATC, CSCS

2010 Rehabilitative Ultrasound course at APTA Annual Conference and Exposition,

2009 Current Concepts in the evaluation and treatment of the shoulder, Todd S. Ellenbecker, DPT, MS, SCS, OCS, CSCS

2008 Manual therapy treatment of the SI joint, Richard Jackson approach

2008 Musculoskeletal Doppler Ultrasound of the Hip and Spine, Gulf Coast Ultrasound

2008 General Musculoskeletal Doppler Ultrasound, Gulf Coast Ultrasound

2002 Big Sky Sports Medicine Conference. Emphasis: function and rehabilitation of the knee joint, demonstration of surgical procedures and implications for rehabilitation

2000 Certified Strength and Conditioning Specialist

1999 Manual Therapy: NAGS, SNAGS, and MWM, Brian Mulligan PT

1997 The Foot: Physical Therapy Evaluation and Management of Common Disorders, Thomas McPoil PhD, PT, ATC

1997 Management of Spasticity Pediatric Orthopedics and the Gait Analysis Center at Children’s Hospital

1996 Thoracic Outlet Syndrome: A Patient-centered approach to treatment, Peter Edgelow, MA, PT

**ORGANIZATIONS, ACTIVITIES AND HONORS**

Life Sciences College Outstanding Teaching Award, 2015

Graduate Student Award, Department of Exercise Sciences, 2006

Alpha Eta Honor Society, 1997

Missionary service to Hungary, 1989–1991