

## **Faculty Publications (2018-2020)**

### **Year 2020**

#### **Dr. Huaqing (Virginia) Liang**

**Liang, H (Virginia)**, Henderson G, & Wu, J. Neuromuscular response to a single session of whole-body vibration in children with cerebral palsy: A pilot study. *Clinical Biomechanics*. 2020; In Press

**Kaewmanee, T, Liang, H & Aruin, AS**. Effect of predictability of the magnitude of a perturbation on anticipatory and compensatory postural adjustments. *Exp Brain Res*. 2020; In Press.

**Liang H, Kaewmanee T, & Aruin AS**. The role of an auditory cue in generating anticipatory postural adjustments in response to an external perturbation. *Exp Brain Res*. 2020; 238(3):631-641.

Henderson G, Beerse M, **Liang H**, Ferreira D, & Wu J. Improvement in Overground Walking After Treadmill-Based Gait Training in a Child With Agenesis of the Corpus Callosum. *Phys Ther*. 2020 Jan 23; 100(1):157-167.

**Alwadani FA, Liang H, & Aruin AS**. Effects of Ankle Angular Position and Standing Surface on Postural Control of Upright Stance. *Motor Control*. 2020 Jan 23; 1-13.

Ferreira DM, **Liang H**, & Wu J. Knee joint kinematics of the pendulum test in children with and without Down syndrome. *Gait Posture*. 2020; 76:311-7.

#### **Dr. Saurabh Mehta**

**Mehta SP**, Kendall K, Reasor C. Reliability of Knee and Wrist Joint Range of Motion Obtained via Virtual versus Face-to-Face Assessments. *Musculoskeletal Care*. 2020; In Press.

**Mehta SP**, Jobs J, Parsemain C, Lu S, Kelley K, Oliashirazi A. Rasch Analysis for KOOS-JR in Individuals Awaiting Total Knee Replacement Surgery. *J Knee Surg*. 2020; In Press.

**Mehta SP**, Weinstock-Zlotnick G, Akland KL, Hanna MM, Workman KJ. Using Carpal Tunnel Questionnaire in Clinical Practice: A Systematic Review of Its Measurement Properties *J Hand Ther*. 2020; 33(4):493-506.

**Mehta SP, Rigney A, Webb K, Wesney J, Stratford PW, Shuler FD, Oliashirazi A**. Characterizing the Recovery Trajectories of Knee Range of Motion for One Year after Total Knee replacement. *Physiother Theory Pract*. 2020; 36(1):125-127.

## Year 2019

### Dr. Yi-Po Chiu

Clark RC, **Chiu Y-P**. Effect of repeating undergraduate prerequisite courses on the academic performance in Doctor of Physical Therapy program. *J Phys Ther Educ*. 2019;33(1):49-54.

### Dr. Huaqing (Virginia) Liang

Beerse M, Henderson G, **Liang H**, Ajisafe T, & Wu J. Variability of spatiotemporal gait parameters in children with and without Down syndrome during treadmill walking. *Gait Posture*. 2019; 68, 207-212.

### Dr. Saurabh Mehta

**Mehta SP**. Clinical relevance commentary in response to "The validity and reliability of DrGoniometer, a smartphone application, for measuring forearm supination". *Journal of Hand Therapy*. 2019;32(1):118-120.

**Mehta SP**, George HR, Goering CA, Shafer DR, Koester A, Novotny S. Reliability, validity, and minimal detectable change of the push-off test scores in assessing upper extremity weight-bearing ability. *J Hand Ther*. 2019;32(1):103-109.

**Mehta SP**, Morelli N, Prevatte C, White D, Oliashirazi A. Validation of Physical Performance Tests in Individuals with Advanced Knee Osteoarthritis. *HSS J*. 2019;15(3):261-268. (JIF = N/A, C = 0.4). Hayes R, Maldonado D, Gossett T, Shepherd T, **Mehta SP**, Flesher SL. Development and Validation of a STEP Test of Aerobic Fitness in Elementary School Children. *Physiother Can*. 2019;71(2):187-194.

Weinstock-Zlotnick G, **Mehta SP**. A systematic review of the benefits of occupation-based intervention for patients with upper extremity musculoskeletal disorders. *J Hand Ther*. 2019;32(2):141-152. (

### Dr. Terry Shepherd

Hayes, RM, Maldonado D, Gossett T, **Shepherd T**, Mehta SP, Flesher SL. Developing and Validating a Step Test of Aerobic Fitness in Elementary School Children. *Pediatric Physiotherapy*. Printed in an advance online version – to be in print this year (2019).

## Year 2018

### Dr. James Dauber

**Dauber JA**, Ball MO, Lewis AM, Neidermeyer CR. Victorian Institute of Sport Assessment Questionnaire, Patellar Tendon (VISA-P). *Crit Rev Phys Reh Medic*. 2018;30(3):269-273.

### Dr. Huaqing (Virginia) Liang

**Liang H**, Ke X, & Wu J. Transitioning from the level surface to stairs in children with and without Down syndrome: Motor strategy and anticipatory locomotor adjustments. *Gait Posture*. 2018; 66, 260-266.

**Liang H**, Ke X, & Wu J. Transitioning from level surface to stairs in children with and without Down syndrome: Locomotor adjustments during stair ascent. *Gait Posture*. 2018; 63, 46-51.

### Dr. Ashley Mason

**Mason AN**, Haer B, Lively A, Parsemain C. A Review of Alberta Infant Motor Scale (AIMS). *Crit Rev Phys Rehab Med*. 2018;30(3).

**Mason AN**, Broussard B, Cook J, Duszkiwicz. A Review of the Peabody Developmental Motor Scales- Second Edition (PDMS-2). *Crit Rev Phys Rehab Med*. 2018;30(3).

**Mason AN**, Park C, Leslie R, Roberts R, Mehta SP. Measurement Properties of the Shoulder Pain and Disability Index: A Systematic Review. *J Orthop Sports Phys Ther*. 2018;48(1):A148-149.- Abstract Only

**Mason AN**, Bitner D, Green R, Harper M. Agitated Behavior Scale. *Crit Rev Phys RehabMed*. 2018;29(1):93-95.

**Mason AN**, Hively A, Itani B, Loop W. Bruininks-Oseretsky Test of Motor Proficiency-II. *Crit Rev Phys Rehab Med*. 2018;29(1):105-107.

**Mason AN**, Foderaro F, Kawash M, Keene D. Physical Performance Test. *Crit Rev Phys Rehab Med*. 2018;29(1).

**Mason AN**, Lum J, Milligan A, Robinson J. Functional Reach Test. *Crit Rev Phys Rehab Med*. 2018;29(1).

### Dr. Saurabh Mehta

**Mehta SP**, Liang T, Mullins K, Wallenberg J. A Brief Review of Flexicurve for Assessing Spinal Curvature. *Crit Rev Phys Rehabil Med.* 2018; 30(4):281-284.

**Mehta SP**, Lee E, Narum J, Robinson K. A Review of Grip Strength Assessment for Wrist Fractures. *Crit Rev Phys Rehabil Med.* 2018; 30(4):293-296.

**Mehta SP**, Adkins W, Freund J, Kelly M. A Review of Wrist Joint Position Sense Test. *Crit Rev Phys Rehabil Med.* 2018; 30(4):285-287.

**Mehta SP**, Adkins J, Chen L, Hanson E, Dowrey J. A Review of Tilburg Frailty Indicator. *Crit Rev Phys Rehabil Med.* 2018; 30(4):289-292.

**Mehta SP**. Preface: Outcome Measurement in Physical Therapy I. *Crit Rev Phys Rehabil Med.* 2018;30(2):v-vii.

**Mehta SP**, Chang K, Malave C, McGuire A. Hop Tests. *Crit Rev Phys Rehabil Med.* 2018;30(2):113-115.

**Mehta SP**, Crochet Z, O'Dell N, Stevenson A. Hospital Anxiety and Depression Scale. *Crit Rev Phys Rehabil Med.* 2018;30(2):101-103.

**Mehta SP**, Bremer H, Pflighaar J, Ramey A. The Star Excursion Balance Test. *Crit Rev Phys Rehabil Med.* 2018;30(2):137-139.

**Mehta SP**, Jarvis A, Standifer D, Warnimont C. International Physical Activity Questionnaire. *Crit Rev Phys Rehabil Med.* 2018;30(2):125-127.

### **Dr. Gretchen Pfost**

**Pfost G**, Cameron S, Jobes J, Sword S. A review of Postural Assessment Scale for Stroke. *Crit Rev Phys Rehabil Med.* 2018;30(3):265-268.

**Pfost G**, Cook B, Doh C, Uthupan J. HiMAT: High-Level Mobility Assessment Tool. *Crit Rev Phys Rehabil Med.* 2018;29(2):97-99.

**Pfost G**, Chen A, Farley F, Ran Y, Sanchez V. MCTSIB: Modified Clinical Test of Sensory Integration for Balance. *Crit Rev Phys Rehabil Med.* 2018;29(2):109-112.

**Pfost G**, Hoffman K, Jackson S, Park JH. Patient Health Questionnaire-9. *Crit Rev Phys Rehabil Med.* 2018;29(2):121-123.

**Pfost G**, Cyrus H, Franzen B, Helton T. Trunk Impairment Scale. *Crit Rev Phys Rehabil Med.* 2018;29(2):133-135.

**Dr. Terry Shepherd**

Gilliland A, Timmons M, Harris J, **Shepherd TA**, Buchanan GS, Decker N, and Giangarra C. ECG Measurement Parameters of Athletes Are Reliable When Made With A Smartphone Based ECG Device. *Marshall Journal of Medicine*. 2018;4(2):