

John D. Willson

9 SAINT GEORGE TERRACE
BEAR, DE 19701
EMAIL: JDWILLSON@YAHOO.COM

EDUCATION

- ◆ Ph.D., Biomechanics/Movement Science, University of Delaware: expected June, 2007
- ◆ MSPT, University of Wisconsin-La Crosse: Dec., 1998
- ◆ B.S., Magna cum laude, Biology, University of Minnesota, Minneapolis: June, 1996

WORK EXPERIENCE

- ◆ Doctoral student/research assistant, University of Delaware, Newark, DE,: Sept. 2003-pres
- ◆ Clinical Research Coordinator/Outpatient Physical Therapist, Joyner Sportsmedicine Institute, Lexington, KY: April 2002-Sept. 2003
- ◆ Outpatient Physical Therapist, Upland Hills Health, Dodgeville, WI: Oct. 1998-March 2002
- ◆ Physical Therapist Research Affiliation, Steadman-Hawkins Sports Medicine Foundation, Vail, CO: June-July 1998

PEER-REVIEWED PUBLICATIONS

- ◆ **Willson JD**, Ireland ML, Davis IS. (2006) Core strength and lower extremity alignment during single leg squats. *Medicine and Science in Sports and Exercise*; 38(5):945-52.
- ◆ Denton J, **Willson JD**, Ballantyne BT, McClay Davis, I. (2005) The addition of the Protonics brace system to a rehabilitation protocol to address patellofemoral joint syndrome. *Journal of Orthopaedic and Sports Physical Therapy*; 35(4): 210-9.
- ◆ **Willson JD**, Dougherty CP, Ireland ML, McClay Davis, I. (2005) Core stability and its relationship to lower extremity function and injury. *Journal of the American Academy of Orthopaedic Surgeons*; 13(5): 316-25.
- ◆ Leetun, DT, Ireland ML, **Willson JD**, Ballantyne BT, McClay Davis I. (2004) Core stability measures as risk factors for lower extremity injury in athletes. *Medicine and Science in Sports and Exercise*; 36(6): 926-934.
- ◆ Michel SJ, Fried AM, Sinha S, **Willson J**, Bensadoun E, Arnold S, Buck JL. (2004) Comparison of iodixanol with iohexol for delayed pelvic venous opacification: a preliminary study of potential use for CT venography. *AJR. American Journal of Roentgenology*; 183(1):123-6.
- ◆ Ireland ML, **Willson JD**, Ballantyne BT, McClay Davis I. (2003) Hip strength in females with and without patellofemoral pain. *Journal of Orthopaedic and Sports Physical Therapy*; 33:671-676.
- ◆ Ott SM, Ireland ML, Ballantyne BT, **Willson JD**, McClay Davis I. (2003) Comparison of outcome between males and females after anterior cruciate ligament reconstruction. *Knee Surgery, Sports Traumatology, Arthroscopy*; 11(2):75-80.
- ◆ **Willson JD**, Torry M, Decker M, Ellis H, Kernozek T, Steadman J. (2001) Effects of walking poles on lower extremity gait mechanics. *Medicine and Science in Sports and Exercise*; 33(1):142-147.
- ◆ Grampp J, **Willson JD**, Kernozek T. (2000) The plantar loading variations to uphill and downhill gradients during treadmill walking. *Foot and Ankle International*; 21(3):227-231.

- ◆ **Willson JD**, and Kernozek T. (1999) Plantar loading and cadence alterations with fatigue. *Medicine and Science in Sports and Exercise*; 33(12):1828-1833.
- ◆ Symstead A, Tilman D, **Willson JD**, Knops J. (1998) Species loss and ecosystem functioning: effects of species identity and community composition. *Oikos*; 81(2):389-397.

MEETING ABSTRACTS

- ◆ **Willson JD**, Davis I. (2006) Hip strength and running mechanics in females with and without patellofemoral pain syndrome. American Society of Biomechanics, Blacksburg, VA.
- ◆ **Willson JD**, Davis I. (2006) Utility of the Frontal Plane Projection Angle of the Knee During Single Leg Squats. ACL Research Retreat, Lexington, KY.
- ◆ Butler RJ, **Willson JD**, Van Doren A, Distefano M, Blackburn JT, Padua DA. (2006) Interaction of Gender and Type of Landing on Landing Mechanics. American College of Sports Medicine, Denver, CO.
- ◆ **Willson JD**, Davis I. (2006) Association Between the Single Leg Squat Test and the Energetics of Single Leg Landings. American College of Sports Medicine, Denver, CO.
- ◆ **Willson JD**, Davis I. (2005) Utility of the Frontal Plane Projection Angle of the Knee During Single Leg Squats. American Society of Biomechanics, Cleveland, OH.
- ◆ **Willson JD**, Davis I. (2005) Gait Retraining Using Real-Time Kinematic Biofeedback to Decrease Torsional Loads. American College of Sports Medicine, Nashville, TN.
- ◆ **Willson JD**, Davis I. (2004) Clinical Quantification of Frontal Plane Knee Angle: Correlation of 2D and 3D Motion Analysis. American Society of Biomechanics, Portland, OR.
- ◆ **Willson JD**, Davis I, Ireland ML. (2004) Relationship Between Core Strength and Lower Extremity Performance in Clinical Tests. American College of Sports Medicine, Indianapolis, IN.
- ◆ **Willson JD**, McClay Davis I, Ireland ML. (2003) Relationship Between Hip Strength and Tibiofemoral Valgus Angle During Single Leg Squats. American College of Sports Medicine, San Francisco, CA.
- ◆ Kernozek T, Sterikker S, Grampp J, **Willson JD**. (1998) Plantar Pressure Characteristics of Hallux Valgus: Comparison to Non-pathological Controls. North American Conference on Biomechanics.
- ◆ Grampp, J, **Willson JD**, Kernozek T. (1998) The Plantar Loading Variations to Uphill and Downhill Gradients During Treadmill Walking. North American Conference on Biomechanics.
- ◆ **Willson, JD**, Kernozek, T. (1998). Plantar Pressure Characteristics of Fatigued Runners. WPTA Spring Conference, Lake Geneva, WI.

HONORS/AWARDS

- ◆ Foundation for Physical Therapy Promotion of Doctoral Studies II scholarship: 2006
- ◆ Foundation for Physical Therapy Promotion of Doctoral Studies I scholarship: 2004, 2005
- ◆ UW-La Crosse College of Allied Health Achievement Award: 1998
- ◆ UW-La Crosse "Physical Therapy Graduate Student of the Year": 1998