



## Dennis Brunt, EdD, PT

### PHYSICAL THERAPY

Professor and Chair  
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#### EDUCATION

- M.S. in Physical Therapy, Texas Woman's University, Houston, TX
- Ed.D. in Exercise Science, University of Oregon, Eugene, OR
- M.Sc. in Exercise Science, University of Oregon, Eugene, OR
- B.Sc., University of Oregon, Eugene, OR

#### AREA(S) OF SPECIALTY

- Clinical gait analysis
- Prosthetics/orthotics
- Foot and ankle

#### RESEARCH/SCHOLARSHIP

Antonucci-Alter, A., **Brunt, D.**, Williams, D. "Posterior shank resistance modifies the biomechanics of sit to stand." International Society of Posture and Gait Research, Bologna, Italy, June 2009.

**Brunt, D.**, Pfruender, J, Williams, D. "The invariance of center of pressure release in sit-to-stand." International Society of Posture and Gait Research, Bologna, Italy, June 2009.

Kim, H.D. and **Brunt D.** (2009) "The effect of a sensory perturbation on step direction or length while crossing an obstacle from quiet stance." *Gait and Posture*, 30, 1-4.

**Brunt, D.** "Pediatric equinus gait – classification and treatment." Invited Keynote speaker, 6<sup>th</sup> Staffordshire Conference on Clinical Biomechanics, Staffordshire University, England, April 2008.

**Brunt, D.** "Do shoe properties help prevent balance loss and falls?" Invited Keynote speaker, 6<sup>th</sup> Staffordshire Conference on Clinical Biomechanics, Staffordshire University, England, April 2008.

**Brunt, D.**, Williams, D.S., Stewart, D., Durland, A.N. "Kinematic and kinetic changes during slow sit to stand." International Society for Posture and Gait Research, Burlington, Vermont, June 2007.

Williams D.S., **Brunt, D.**, Tannenberg, R.J. (2007) "Diabetic neuropathy is related to joint stiffness during late stance phase." *Journal of Applied Biomechanics*, 23, 251-60.

Kim, H.D. and **Brunt, D.** (2007). "The effect of a dual-task on obstacle crossing in healthy elderly and young adults." *Archives of Physical and Medical Rehabilitation*, 88;1309-1313

Bishop M.D., **Brunt, D.**, (2006) "Do people with Parkinsons disease change strategy during unplanned gait termination?" *Neuroscience Letters*, 397:240-244.

Bishop MD, **Brunt D.**, N Pathare, M Ko, J Marjama – Lyons (2005). Changes in distal muscle timing may contribute to slowness during sit to stand in Parkinson's disease. *Clin Biomech* 20:112-117.

**Brunt, D.**, Santos, V., Kim, H.D., Light, K., Levy, C. (2005) "Initiation of movement from quiet stance: Comparison of gait and stepping in elderly subjects of different levels of functional ability." *Gait Posture*, 21, 297-302.

**Brunt, D.**, Woo, R., Kim, H.D., et al (2004). "The effect of Botulinum Toxin Type A on gait in children who are idiopathic toe-walkers." *Journal of Surgical Orthopaedic Advances*, 13:1-7.

#### INTERESTS

- Athletic Training Education and Accreditation
- Adult Learning/Continuing Professional Education
- Simulation
- Personal: sports, piano, dancing, and reading

#### FAVORITE QUOTE

"Success is not final, failure is not fatal: it is the courage to continue that counts." – *Sir Winston Churchill*