



**Dr. Tonya Parker**  
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## **Academic Background**

2006 – Ph.D. University of Oregon – Sports Medicine

**Dissertation:** Recovery of motor and cognitive function following concussion.

2000 – MS University of Oregon – Sports Medicine

1997 – BS Texas Christian University – Kinesiology

## **Courses Taught**

Pharmacology for Athletic Training

Intervention and Referral

Therapeutic Modalities

Athletic Training Clinical I

## **Professional Contributions**

Associate Professor – Athletic Training Program

Clinical Education Coordinator – Athletic Training Program

## **Current Projects**

## **Recent Publications**

Kontos, AP, Covassin, T, Elbin, RJ, **Parker, T.** (2012). Depression and neurocognitive performance after concussion among male and female high school and collegiate athletes. Archives of Physical Medicine and Rehabilitation, 93(10): 1751-1756

Covasin T., Elbin E.J., **Parker T.**, Harris B., Kontos A.P. (2012). The role of age and sex on symptoms, neurocognitive performance, and postural stability in athletes following concussion. American Journal of Sport Medicine 40(6):1303-12

Wasielowski, N.J., **Parker, T.M.**, Kotsko, L. (2011). Clinical evaluation of electromyographic biofeedback for the quadriceps femoris: A systematic review. Journal of Athletic Training. 46(5):543-554

**Parker, T.M.**, Osternig, L.R., van Donkelaar, P., and Chou, L-S. (2008). Balance control during gait in athletes and non-athletes following concussion. Medical Engineering and Physics. 30, 959–967

### **Recent Conference Presentations**

Comparison of Commercial Online Student Tracking Systems: 5th Edition Competencies. Michigan Athletic Trainers Society Clinical Symposia, June 2013

Nutrition for the high school athlete. Michigan Athletic Trainers Society Clinical Symposia. June 2012

Concussion Awareness. Grand Rapids Public Schools Professional Development Seminar. November 2011.

Frontal plane center of mass motion with cognitive perturbation in athletes and non-athletes following concussion. International Society of Biomechanics, Taipei, Taiwan, July, 2007