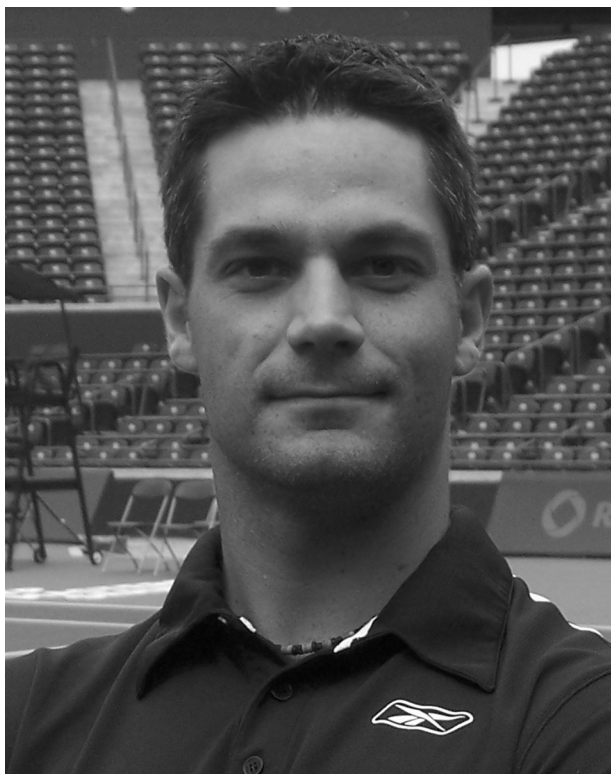


Profile – Dr. Brad Murray, BA, MSc, AT, DC



Dr. Brad Murray, BA, MSc, AT, DC
PhD Program Rehabilitative Sciences
McMaster University

Dr. Brad Murray graduated in 2003 from York University with a BA in Kinesiology (Specialized Honours) and also his 3 year certificate in Athletic Therapy. In 2005 he received his Master of Science Degree in Kinesiology (Neuromuscular Physiology) from the University of Western Ontario after defending his thesis work entitled: “Differential fatigue responses between voluntary and electrically induced contractions of the human dorsi flexors.”

He went on to graduate from the Canadian Memorial

Chiropractic College, obtaining his Doctor of Chiropractic in 2009. In September 2009, he was accepted into the Doctoral Program in Rehabilitative Sciences at McMaster University in Hamilton, Ontario.

Dr. Murray’s research interests focus on shoulder injury and his proposed thesis work will investigate the predictive value of glenohumeral internal rotation deficit (GIRD) in shoulder complex pain and dysfunction.

Shoulder injury is very common in the work place. Glenohumeral internal rotation deficit (GIRD) has been correlated to shoulder pathology in elite overhead athletes in both baseball and tennis, however, similar mechanisms that cause this motor control imbalance are prevalent in many work place tasks and activities of daily living. His research will identify those subjects with microtraumatic overstrain injuries, associated with repetitive tasks, and correlate these findings to shoulder, cervical and thoracic pathology. He hypothesizes that GIRD will increase as severity of microinstability injury increases.

Dr. Murray has received many awards including the following:

- McMaster CN Graduate Scholarship in Rehabilitation Science (2009–2010)
- CIHR QLP Strategic Training Fellow in Rehabilitation Research (2009–2010)
- CIHR/CMCC Health Professional Student Research Award (2007)
- Teaching Assistant of the Year nominee, University of Western Ontario (2003–2004 & 2004–2005)
- Magnum Scholarship, York University (2002–2003)
- Dr. Charles Bull Scholarship, York University (2001–2002)
- Student Athletic Therapist of the Year, York University (2000–2001)
- York University academic achievement list (1998–2003)

In addition, he has published his research in the *Journal of Applied Physiology*:

McNeil CJ, Murray BJ, Rice CL. Differential changes in muscle oxygenation between voluntary and stimulated isometric fatigue of human dorsiflexors. *J Appl Physiol*. 2006 Mar;100(3):890–5. Epub 2005 Nov 10.

Dr. Murray has distinguished himself with his volunteer activities which include:

- Chiropractic Intern – St. Johns Rehabilitation Hospital (2008–2009)
- Chiropractic Intern – Canadian Memorial Chiropractic College outpatient clinic (2008)
- Head athletic therapist for the York University male varsity hockey team (2002–2003)
- Head athletic therapist for York University male varsity baseball team (2001–2002)

- Volunteered over 800 hours at 3 different clinics in the capacity as a student Athletic Therapist under certified Athletic Therapists and Physiotherapists (Tait McKenzie Sports Injury Clinic, Athletes Care, and Center for Health and Sports Medicine) between (2000–2003)
- Medical Staff for Vanier Cup (2000–2001).
- Medical Staff Toronto High School Football Finals – Metrobowl (2000–2001)

Dr. Murray will undertake his PhD training program under the supervision of Dr. Jay Triano DC, PhD who holds academic appointments at both McMaster University and the Canadian Memorial Chiropractic College. Dr. Triano's biomechanics laboratory is fully equipped for kinematic analysis with optoelectronic and electromagnetic measures as well as electromyography equipment and is using shoulder testing protocols after FIT-HaNSA methods.