

# BHUSHAN THAKKAR

## EDUCATION:

Phd Student Rehabilitation and Movement Science,  
Neuromusculoskeletal Dynamics Track.  
Virginia Commonwealth University  
Current GPA: 3.333

2014 - Current  
Richmond,VA,USA

Masters of Science in Physical Therapy, Orthopedic Specialization.  
MGH Institute of Health Professions.  
GPA: 3.403

2009-2011  
Boston, MA, USA

Bachelors of Physical Therapy.  
Manipal University.  
GPA: 3.91

2004-2009  
Manipal, India

## RESEARCH EXPERIENCE:

### **Graduate Assistant**

**August 2014 to current**

Part time at VCU RUNLAB at Virginia Commonwealth University assisting with evaluation of healthy and injured runners using motion analysis .

### **Graduate Assistant**

**August 2010 to April 2011**

Part time to Dr. Kevin Douglas Gross, Faculty in the Department of Physical Therapy at MGH Institute of Health Professions, performing data collection and analysis in his research work on the Multi Centered Osteoarthritis Study (MOST) using GAITRITE and Dartfish software.

**Title of Master's thesis:** The relationship between pelvic drop during walking and medial knee osteoarthritis: The MOST study.

**Advisor: Doug Gross**

**Second Reader: DJ Mattson**

**Undergraduate Research Project:** Effects of patella taping and elastocrepe bandage on knee joint proprioception in normal individuals.

**Advisor: Dr.Kavitha Raja**

## POSTER PRESENTATIONS:

**Bhushan Thakkar**, D.S. Blaise Williams, Kathryn Harrison, Jacqueline Morgan, Robin Queen. Vertical Ground Reaction Force Asymmetry during uphill, level and downhill running. *Proceedings of the 2016 Annual Meeting of the American Society of Biomechanics*. Raleigh, NC. August 2-5, 2016. (Accepted)

Kathryn Harrison, **Bhushan Thakkar**, Jacqueline Morgan, Robin Queen, D.S. Blaise Williams III. Intralimb co-ordination in level and uphill running. *Proceedings of the 2016 Annual Meeting of the American Society of Biomechanics*. Raleigh, NC. August 2-5, 2016. (Accepted)

Jacqueline Morgan, **Bhushan Thakkar**, Kathryn Harrison, Robin Queen, D.S. Williams III. Lower extremity stiffness during uphill and level running. *Proceedings of the 2016 Annual Meeting of the American Society of Biomechanics*. Raleigh, NC. August 2-5, 2016. (Accepted)

**Bhushan Thakkar**, Jacqueline Morgan, D. S. Blaise Williams. Influence of Stride Frequency on Knee Joint Stiffness and Anterior Shear Force in Female Runners. *The 19th Annual Graduate Research Symposium and Exhibit ,Virginia Commonwealth University*. Richmond 2016

Gross KD, **Thakkar B**, Nui J, Hillstrom HJ, Segal NA, Nevitt MC, Lewis CE, Felson DT. The relationship between medial knee osteoarthritis and pelvic drop during walking: The MOST Study. *American Physical Therapy Association, Combined Sections Meeting*. Chicago 2012.

**Thakkar B**, Adhia D. ‘Contralateral Neural mobilization And Testing’ at *All India Student Physical Therapy Conference*. India 2007.

#### **PLATFORM PRESENTATIONS:**

**Bhushan Thakkar**, Jacqueline Morgan, D. S. Blaise Williams III. “Effect of Training on Knee Torsional Stiffness and Its Relationship to Tibial Compressive and Anterior Shear Forces in Recreational Female Runners" *American Physical Therapy Combined Sections Meeting 2016 in Anaheim, CA, February 17-20*.

**Bhushan Thakkar**, Jacqueline Morgan, D. S. Blaise Williams III. “Effect of Training on Knee Torsional Stiffness and Its Relationship to Tibial Compressive and Anterior Shear Forces in Recreational Female Runners" for presentation at the *2015 American College of Rheumatology/ Association of Rheumatology Health Professionals Annual Meeting, held in San Francisco, CA; November 6-11*.

#### **HONORS :**

Recipient of the 2011 Post-Professional Adams Fellow award at the commencement ceremony at MGH Institute of Health Professions, Boston for showing evidence of leadership abilities, service to the Physical Therapy profession, and the potential to make a significant contribution as a clinical scholar.

#### **PROFESSIONAL AFFILIATIONS:**

Student member at the American college of Rheumatology/Association of Rheumatology Health Professionals.

Student member at the American College of Sports Medicine.

Student member at the American Society of Biomechanics.

Post-Professional Graduate member at the American Physical Therapy Association.

