

## CONTACT INFORMATION

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### Work

University of Toledo  
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## EDUCATION

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### **Doctor of Philosophy**

*University of Virginia;* Charlottesville, VA May 2016  
Major Area of Study: Sports Medicine  
Dissertation: Quadriceps Function in ACL Reconstructed Patients With and Without Knee Osteoarthritis

### **Master of Education**

*University of Virginia;* Charlottesville, VA August 2009  
Major Area of Study: Athletic Training  
Thesis: Relationship between Transcranial Magnetic Stimulation and Percutaneous Electrical Stimulation in Determining the Quadriceps Central Activation

### **Bachelor of Science**

*California Lutheran University;* Thousand Oaks, CA May 2008  
Major Area of Study: Exercise Science/ Sports Medicine; Emphasis in Athletic Training

## PROFESSIONAL EXPERIENCE

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### **Assistant Professor**

School of Exercise and Rehabilitation Sciences; Athletic Training Program August 2016-Present  
University of Toledo; Toledo, OH

### **Research Coordinator**

School of Medicine; Department of Orthopaedic Surgery, Sports Medicine Division August 2014-May 2016  
University of Virginia; Charlottesville, VA

### **Research Assistant**

Curry School of Education; Department of Kinesiology; Exercise & Sport Injury Lab August 2012-May 2016  
University of Virginia; Charlottesville, VA

### **Head Athletic Trainer**

Department of Athletics, Division of Student Affairs August 2010-June 2012  
State University of New York at New Paltz; New Paltz, NY

### **Physician Extender Athletic Training Fellow**

The Steadman Clinic; Vail, CO June 2009-July 2010

### **Head Athletic Trainer**

Eagle Valley High School; Gypsum, CO August 2009-January 2010

## **TEACHING EXPERIENCE**

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### **Instructor of Record**

- Pathomechanics of Musculoskeletal Injury, University of Toledo (Graduate – 1 semester)
- Rehabilitation of Athletic Injuries; University of Toledo (Undergraduate – 1 semester)
- Athletic Injuries Laboratory; University of Virginia (Undergraduate – 2 semesters)

### **Co-Instructor**

- Clinical Biomechanics; University of Toledo (Graduate – 1 semester)
- Master's Thesis Seminar; University of Toledo (Graduate – 2 semesters)
- Athletic Injuries; University of Virginia (Undergraduate – 2 semesters)

### **Teaching Assistant**

- Emergency Medical Care; University of Virginia (Undergraduate – 1 semester)
- Anatomy and Physiology Laboratory; University of Virginia (Undergraduate – 1 semester)
- Master's Thesis Seminar; University of Virginia (Graduate – 7 semesters)

### **Guest Lecturer**

- Pathophysiology and Rehabilitation of Athletic Injuries; University of Virginia (Graduate – 2 semesters)
- Clinical Biomechanics; University of Virginia (Graduate – 2 semesters)
- Emergency Medical Care; University of Virginia (Undergraduate – 4 semesters)
- Annual Sports Medicine Athletic Team Coverage; University of Virginia (1 meeting)
- Therapeutic Exercise in Athletic Training; Marist College (Undergraduate – 1 semester)
- Physical Education, Sports Medicine; Eagle Valley High School (High School – 2 semesters)

### **Clinical Instruction**

- CAATE Approved Clinical Instructor; Marist College 2010-2012

## **INVITED PRESENTATIONS/ CLINICAL WORKSHOPS**

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1. Course Design Institute. University of Toledo, Toledo, OH. May 2017.
2. First Annual International Electroencephalography (EEG) Workshop. University of Flensburg, Germany. May 2017 (Invitation only).
3. **Norte GE**. Neuromuscular Adaptations Following ACL Reconstruction. ORAL PRESENTATION. Primary Care Sports Medicine Fellowship Grand Rounds. Toledo, OH. November 2016.
4. **Norte GE**, Long S, Norte S. Treatment Considerations for Lateral Ankle Sprains. ORAL PRESENTATION/ DEMONSTRATION. University of Toledo Doctor of Physical Therapy Program. PHYT 6500 – Musculoskeletal Rehabilitation I. Toledo, OH. November 2016.
5. **Norte GE**. Neurophysiological Changes After ACL Reconstruction. ORAL PRESENTATION. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2015
6. **Norte GE**, Goetschius J, Slater L. Lower Extremity Assessment Protocol (LEAP) Following ACL Reconstruction: Evidence to Guide Return to Sport Decision-Making. WORKSHOP. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2015

7. **Norte GE**, Hart JM. Sensorimotor Adaptations Following ACL Reconstruction: Implications for an Evidence Based Treatment Approach? PODIUM PRESENTATION: EATA GRANT PRESENTATION – EVIDENCE BASED PRACTICE PROGRAM\*. Eastern Athletic Trainers' Association Annual Meeting. Philadelphia, PA. January 2015
8. **Norte GE**. Arthrogenic Muscle Inhibition: Measurement Techniques and Interpretation. ORAL PRESENTATION. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2014
9. **Norte GE**, Goetschius J. Neurophysiology Lab: Measuring Muscle Inhibition; 3D Motion Capture. WORKSHOP. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2014
10. **Norte GE**. Sensorimotor Assessment Techniques in the Lower Extremity. ORAL PRESENTATION. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2013
11. **Norte GE**, Slater L. Instrumented 3D Motion Capture. WORKSHOP. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2013

#### **PUBLISHED MANUSCRIPTS IN PEER-REVIEWED JOURNALS**

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1. **Norte GE**, Hertel J, Saliba S, Diduch D, Hart JM. Quadriceps Neuromuscular Function in ACL Reconstructed Patients With and Without Knee Osteoarthritis: A Cross-Sectional Study [*accepted: J Athl Train*]
2. **Norte GE**, Hertel J, Saliba S, Diduch D, Hart JM. Quadriceps and Patient Reported Function in ACL Reconstructed Patients: A Principal Component Analysis. *J Sport Rehabil*. 2017 Jul 17:1-26 [Epub ahead of print]. *Impact Factor: 1.612*
3. **Norte GE**, Knaus KR, Kuenze C, Kew M, Handsfield G, Meyer C, Blemker SS, Hart JM. MRI-Based Assessment of Lower Extremity Muscle Volumes in Patients Before and After ACL Reconstruction. *J Sport Rehabil*. 2017 Mar 14:1-40 [Epub ahead of print]. *Impact Factor: 1.612*
4. DiFabio M, Slater LV, **Norte G**, Goetschius J, Hart JM, Hertel J. Relationships of Functional Tests Following ACL Reconstruction: Exploratory Factor Analyses of Lower Extremity Assessment Protocol. *J Sport Rehabil*. 2017 Feb 9:1-24 [Epub ahead of print]. *Impact Factor: 1.612*
5. Werner B, **Norte GE**, Park J, Miller MD, Hart JM. Peroneal Nerve Dysfunction Due to Multiligament Knee Injury: Patient Characteristics and Comparative Outcomes after Posterior Tibial Tendon Transfer. *Clin J Sports Med*. 2017 Jan; 27(1):10-19 *Impact Factor: 2.308*
6. **Norte GE**, Frye J, Hart JM. Superimposed Burst Technique is Reliable in Patients with Patellofemoral Pain: A Technical Report. *J Athl Train*. 2015 Nov;50(11):1207-11. *Impact Factor: 2.478*
7. **Norte GE**, Saliba SA, Hart JM. Immediate Effects of Therapeutic Ultrasound on Quadriceps Spinal Reflex Excitability in Patients with Knee Injury. *Arch Phys Med Rehabil*. 2015 Sep;96(9):1591-8. *Impact Factor: 3.045*
8. **Norte GE**, Kuenze C, Hart JM. Closed Chain Assessment of Quadriceps Activation Using the Superimposed Burst Technique. *J Electromyogr Kinesiol*. 2014 June;24(3):341-7. *Impact Factor: 1.530*
9. **Norte GE**, West A, Gnacinski MR, Van der Meijden O, Millett PJ. On-Field Management of the Acute Anterior Glenohumeral Dislocation. *Phys Sportsmed*. 2011 Sep;39(3):151-62. *Impact Factor: 1.144*

10. Tsang KKW, Norte GE, Hand JW. The Assessment of Hand Volume Using Modified Volumetric Technique. *J Test Eval*. 2011. *Impact Factor: 0.423*
11. Norte GE, Pietrosimone BG, Hart JM, Hertel J, Ingersoll CD. Relationship between Transcranial Magnetic Stimulation and Percutaneous Electrical Stimulation in Determining the Quadriceps Central Activation. *Am J Phys Med Rehabil*. 2010 Dec;89(12):986-996. *Impact Factor: 2.064*

## **NON PEER-REVIEWED PUBLICATIONS**

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1. Norte GE, Saliba SA, Hart JM. Immediate Effects of Therapeutic Ultrasound on Quadriceps Spinal Reflex Excitability in Patients with Knee Injury. Selected for OrthoEvidence appraisal as Level II evidence. December 2015.
2. Norte GE. AANA Advanced Arthroscopy: The Foot and Ankle. Authors: Annunziato Amendola and James Stone. Elsevier, Inc. Completed March 2011. Printed in NATA News: November, 2011

## **MANUSCRIPTS IN PROGRESS**

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1. Frendt T, Donovan L, Armstrong C, McLoughlin T, Murray AM, Norte GE. Influence of Dual-Tasking and Anticipation on Cutting Biomechanics in Healthy Males [preparation for *Med Sci Sport Exerc*]
2. Lipinski C, Donovan L, Armstrong C, McLoughlin T, Norte GE. Surface Electromyography of the Flexor Carpi Ulnaris and Flexor Digitorum Superficialis During Progressive Elbow Rehabilitative Exercises [preparation for *J Electromyogr Kinesiol*]
3. Menzer H, Slater L, Diduch D, Miller M, Norte GE, Goetschius J, Hart JM. The Utility of Objective Limb Symmetry Strength and Functional Performance to Predict Subjective Outcomes after Anterior Cruciate Ligament Reconstruction. [in review: *Am J Sports Med*]
4. Norte GE, Hertel J, Saliba S, Diduch D, Hart JM. Relationship Between Quadriceps Function and Patient Reported Outcomes in ACL Reconstructed Patients With and Without Knee Osteoarthritis [in review: *J Athl Train*]
5. Dempsey I, Norte GE, Hall M, Werner B, Diduch DR, Hart JM. Relationship Between Physical Therapy Characteristics, Surgical Procedure, and Clinical Outcomes in Patients after ACL Reconstruction [in review: *J Sport Rehabil*]
6. Etier BE, Norte GE, Gleason MV, Richter DL, Pugh K, Thomson KB, Slater LV, Hart JM, Brockmeier SF, Diduch DR. A Comparison of Cervical Spine Motion Following Immobilization with Traditional Spine Board and Full-Body Vacuum-Mattress Splint [preparation for *Orthop J Sports Med*]
7. Williamson C, Norte GE, Broshek D, Hart JM, Resch J. Return-To-Learn Following Sport Concussion: A Survey of Current Practice of Certified Athletic Trainers [in review: *J Athl Train*]
8. Norte GE, Knaus KR, Meyer C, Blemker SS, Hart JM. MRI-Based Assessment of Lower Extremity Muscle Volumes in Patients With Meniscal Pathology and Knee Osteoarthritis [preparation for *Med Sci Sport Exerc*]
9. Norte GE, Goetschius J, Slater L, Hart JM. Influence of Gender, Graft Type, and Meniscal Injury on Clinical Outcomes in ACL Reconstructed Patients at the Time of Physician Clearance [preparation for *Am J Sport Med*]
10. Goetschius J, Norte GE, Slater L, Hart JM. Asymmetries in Lower-Extremity Strength And Fatigability In Patients Recovering From ACL Reconstruction [preparation for *Med Sci Sports Exerc*]

11. **Norte GE**, Goetschius J, Hart JM. Clinical and Laboratory Based Measurements to Assess Sensorimotor Impairment Following Lower Extremity Joint Injury [*preparation for J Athl Train*]

## **REFEREED ABSTRACT PRESENTATIONS**

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1. **Norte GE**, Hertel J, Saliba SA, Diduch DR, Hart JM. Chronicity of Quadriceps Function in ACL Reconstructed Patients With and Without Knee Osteoarthritis. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Athletic Trainers' Osteoarthritis Consortium. Houston, TX. June 2017.
2. **Norte GE**, Hertel J, Saliba SA, Diduch DR, Hart JM. Relationship Between Quadriceps Function and Patient Reported Outcomes in ACL-R Patients With and Without Osteoarthritis. ORAL PRESENTATION. American College of Sports Medicine Annual Meeting. Denver, CO. May 2017.
3. Solaas HR, **Norte GE**, Saliba SA, Hart JM. Physical Activity Influences the Relationship Between Lower Extremity Function and Fear of Movement After ACL Reconstruction. THEMATIC POSTER PRESENTATION. National Athletic Trainers' Association Annual Meeting. Houston, TX. June 2017.
4. Donner C, **Norte GE**, Resch J, Hart JM. Performance Tracking Over a Single Season in Male Collegiate Soccer Players. RAPID FIRE PRESENTATION. National Athletic Trainers' Association Annual Meeting. Houston, TX. June 2017.
5. Bodkin SG, Slater LV, **Norte GE**, Goetschius J, Hart JM. Predictors of Outcomes after ACL Reconstruction Differ Based on Meniscus Involvement. POSTER PRESENTATION. American College of Sports Medicine Annual Meeting. Denver, CO. May 2017.
6. Dempsey IJ, **Norte GE**, Goetschius J, Slater LV, Werner BC, Diduch, DR, Hart J. Relationship between Physical Therapy and Clinical Outcomes in Patients with ACL Reconstruction. Presented at Annual Francis Shen Resident Research Symposium University of Virginia, June 22, 2017. Charlottesville, VA
7. **Norte GE**, Knaus KR, Kuenze CM, Handsfield GG, Meyer CH, Blemker SS, Hart JM. MRI-Based Assessment of Lower Extremity Muscle Volumes in Patients Before and After ACL Reconstruction. THEMATIC POSTER PRESENTATION. National Athletic Trainers' Association Annual Meeting. Baltimore, MD. June 2016.
8. McMillen M, **Norte GE**, Hertel J, Hart JM. Quadriceps Function in ACL Reconstructed Patients With and Without a History of Knee Osteoarthritis. POSTER PRESENTATION. National Athletic Trainers' Association Annual Meeting. Baltimore, MD. June 2016.
9. Williamson C, **Norte GE**, Hart JM, Broshek DK, Resch J. Return-to-Learn Following Sport Concussion: A Survey of Current Practice of Athletic Trainers. RAPID FIRE PRESENTATION. National Athletic Trainers' Association Annual Meeting. Baltimore, MD. June 2016.
10. Pugh K, **Norte GE**, Etier BE, Gleason MV, Richter DL, Thomson KB, Slater LV, Hart JM, Brockmeier SF, Diduch DR. Cervical Spine Motion During Removal of Football Equipment. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Baltimore, MD. June 2016.
11. Thomson KB, **Norte GE**, Etier BE, Gleason MV, Richter DL, Pugh K, Slater LV, Hart JM, Brockmeier SF, Diduch DR. A Comparison of Cervical Spine Motion Following Immobilization with Traditional Spine Board and Full-Body Vacuum-Mattress Splint. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Baltimore, MD. June 2016.

12. **Norte GE**, Knaus KR, Kew M, Feger MA, Slater LV, Kuenze CM, Meyer CH, Blemker SS, Hart JM. MRI-Based Assessment of Lower Extremity Muscle Volumes in Patients with Meniscal Pathology and Knee Osteoarthritis. POSTER PRESENTATION American College of Sports Medicine Annual Meeting. Boston, MA. May 2016.
13. Glaviano N, **Norte GE**, Kew M, Hart JM. Rehabilitation Rates Following Anterior Cruciate Ligament Reconstruction. POSTER PRESENTATION. American College of Sports Medicine Annual Meeting. Boston, MA. May 2016.
14. Dempsey I, **Norte GE**, Hall M, Hart JM. Relationship Between Physical Therapy and Outcomes in ACL Reconstructed Individuals. DIGITAL POSTER PRESENTATION. Virginia Orthopaedic Society Annual Meeting. Williamsburg, VA. April 2016.
15. **Norte GE**, Saliba SA, Hart JM. Effects of Therapeutic Ultrasound on Quadriceps Spinal Reflex Excitability. PODIUM PRESENTATION. National Athletic Trainers' Association Annual Meeting. St. Louis, MO. June 2015.
16. Glaviano N, Saliba S. Patterned Electrical Neuromuscular Stimulation Improves Hip Muscle Activation and Pain in Individuals with Patellofemoral Pain. THEMATIC POSTER PRESENTATION. National Athletic Trainers' Association Annual Meeting. June 2015. [presented by **Norte GE**]
17. Richbourg C, **Norte GE**, Wintringham C, Park J, Hart JM, Hertel J. Characterization of Clinical Measures in Patients with Posterior Tibial Tendon Dysfunction. POSTER PRESENTATION. National Athletic Trainers' Association Annual Meeting. St. Louis, MO. June 2015.
18. **Norte GE**, Goetschius J, Slater L, Hart JM. Clinical Limb Asymmetries are Present in Patients 6 Months Following ACL Reconstruction. THEMATIC POSTER. American College of Sports Medicine Annual Meeting. San Diego, CA. May 2015.
19. Pelland C, BME 4280, MAE 4280, Virgilio K, Miller J, Goetschius J, Slater L, **Norte GE**, Stern A, Blemker S. A Comprehensive Meta-Analysis of Skeletal Muscle Architecture Performed by Undergraduate BME Course. POSTER PRESENTATION. Biomedical Engineering Annual Meeting. San Antonio, TX. Oct 2014.
20. **Norte GE**, Mitha Z, Kuenze C, Read, K, Handsfield G, Blemker S, Hertel J, Hart JM. Thigh Muscle Volume in Relation to Knee Extensor Torque, Quadriceps Activation, and Patient Reported Outcomes in ACL Deficient Patients. THEMATIC POSTER PRESENTATION. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2014. PODIUM PRESENTATION. Mid-Atlantic Athletic Trainers' Association Annual Meeting. Virginia Beach, VA. May 2014.
21. Mitha Z, **Norte GE**, Kuenze C, Read, K, Handsfield G, Blemker S, Hertel J, Hart JM. Lower Extremity Muscle Volumes in ACL Deficient Patients. POSTER PRESENTATION. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2014.
22. Werner B, **Norte GE**, Miller MD, Park J, Hart JM. Peroneal Nerve Injury in Multiligament Knee Injury: Comparative Outcomes after Posterior Tibial Tendon Transfer. POSTER PRESENTATION. American Academy of Orthopaedic Surgeons Annual Meeting. New Orleans, LA. March 2014.
23. **Norte GE**, Kuenze C, Roberts D, Hart JM. Closed Chain Assessment of Quadriceps Activation Using the Superimposed Burst Technique. POSTER PRESENTATION. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2013.
24. Benson S, **Norte GE**. Kienböck's Disease in a Collegiate Softball Player. PODIUM PRESENTATION. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2013.

25. **Norte GE**, West A, Gnacinski MR, Millett PJ. Management of the Acute Anterior Glenohumeral Dislocation: On and Off the Field. FEATURE PRESENTATION. National Athletic Trainers' Association Annual Meeting. New Orleans, LA. June 2011. PODIUM PRESENTATION. Rocky Mountain Athletic Trainers' Association Meeting. Denver, CO. April 2010.
26. **Norte GE**, Pietrosimone BG, Hart JM, Hertel J, Ingersoll CD. Relationship between Transcranial Magnetic Stimulation and Percutaneous Electrical Stimulation in Determining the Quadriceps Central Activation. POSTER PRESENTATION: NATAREF MASTERS POSTER AWARD FINALIST. National Athletic Trainers' Association Annual Meeting. Philadelphia, PA. June 2010.
27. Tsang KKW, **Norte GE**. The Efficacy of Ice and Microcurrent Stimulation on Reducing Pain Associated with Delayed-Onset Muscle Soreness. POSTER PRESENTATION. National Athletic Trainers' Association Annual Meeting. Saint Louis, MO. June 2008. Far West Athletic Trainers' Association Meeting. Las Vegas, NV. May 2007. PODIUM PRESENTATION: SWENSON RESEARCH FELLOWSHIP. California Lutheran University Research Symposium. Thousand Oaks, CA. March 2007.
28. Tsang KKW, **Norte GE**, Hand JW. Precision and Reliability of a Modified Volumetric Technique on the Assessment of Hand Volumes. POSTER PRESENTATION. National Athletic Trainers' Association Annual Meeting. Saint Louis, MO. June 2008. Far West Athletic Trainers' Association Annual Meeting. Las Vegas, NV. May 2007.

**INTRAMURAL FUNDING & RESEARCH SUPPORT (Denotes \*principal investigator, § study coordinator)**

Source: University of Toledo Interdisciplinary Research Initiation Award (\$51,037) – Unfunded\*

PI: **Norte GE**, Glaviano NR, Siparsky PN, Sohn DH

Role: Principal Investigator

Period: May 2017 – May 2018

Description: The Interdisciplinary Research Initiation Award is given to encourage and develop interdisciplinary research. This project aims to identify patients at risk for returning to active lifestyles after ACL reconstruction, and to begin to establish normative data based on specific sub-sets of these patients with regard to gender and level of competition.

Source: Foy & Phyllis Penn Kohler Fund for International Studies (\$790.00)\*

PI: **Norte GE**

Role: Principal Investigator

Period: 2016-2017

Description: The Kohler fund is awarded to support international travel and research. The intent of this project is to travel to the University of Paderborn, DE to further my knowledge of EEG acquisition and analysis by working with a known expert in the field of sports medicine and neuroscience research, with the goal of effectively incorporating a new technique into my research agenda.

Source: University of Virginia – Curry School of Education (\$990.00)\*

Title: Quadriceps Function Following ACL Reconstruction

PI: **Norte GE**, Hart JM

Role: Co-Principal Investigator

Period: 2015-2016

Description: The UVA IDEA fund, in collaboration with the Office for Diversity and Equity, provides action-oriented leadership and support to University initiatives in order to ensure that the values of inclusion, diversity, equity, and access are promoted. This award is reserved for the Doctoral Student Dissertation, and is being used to support work investigating measures of quadriceps function in ACLR patients with and without knee osteoarthritis.

Source: University of Virginia – School of Medicine, Department of Orthopaedic Surgery (\$13,590.00)§  
Title: Tibial Tunnel Placement for ACL Reconstruction: A Prospective, Randomized Controlled Clinical Trial  
PI: Miller MD  
Role: Study Coordinator  
Period: 2015-Current  
Description: Multi-center trial to investigate the influence of tibial tunnel placement (anterior vs. posterior) during ACLR on patient reported outcomes, and clinical measures of laxity and strength

Source: University of Virginia – Center for Undergraduate Excellence (\$5,000.00) – Unfunded\*  
Title: Chronicity of Gait Biomechanics in ACL Reconstructed Patients  
PI: **Norte GE**, Hart JM  
Role: Co-Principal Investigator  
Period: 2014-2015  
Description: The Double Hoo research grant award supports pairs of undergraduate and graduate scholars. Knee joint biomechanics following ACLR via 3-D motion capture.

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**EXTRAMURAL FUNDING & RESEARCH SUPPORT (Denotes \*principal investigator, § study coordinator)**

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Source: American Society for Metabolic and Bariatric Surgery (\$25,000) – In review  
PI: Fourman M  
Role: Co-Investigator  
Period: August 2017 – August 2018  
Description: Surface electromyography as a measure of surgeon muscle fatigue during robotic and laparoscopic bariatric surgical procedures.

Source: Great Lakes Athletic Trainers' Association (\$1,450)\*  
PI: **Norte GE**, Scheurer S  
Role: Principal Investigator  
Period: June 2017 – June 2018  
Description: Research to investigate the relationship between corticomotor excitability and quadriceps neuromuscular function in patients following ACL reconstruction.

Source: National Center of Neuromodulation for Rehabilitation (\$37,500) – Unfunded\*  
PI: **Norte GE**, Glaviano NR, Ingersoll CD  
Role: Principal Investigator  
Period: July 2017 – July 2018  
Description: Influence of transcutaneous electrical nerve stimulation on electrocortical brain activity in patients with knee osteoarthritis.

Source: National Center of Neuromodulation for Rehabilitation (\$37,273) – Unfunded  
PI: Glaviano NR, **Norte GE**, Ingersoll CD  
Role: Principal Investigator  
Period: July 2017 – July 2018  
Description: Examining the effect of patterned electrical neuromuscular stimulation on peripheral, spinal, and supraspinal modulation.

Source: Mid-Atlantic Athletic Trainers' Association (\$1,250.00)\*  
Title: Central and Peripheral Nervous System Adaptations across the Spectrum of ACLR  
PI: **Norte GE**, Hart JM  
Role: Co-Principal Investigator  
Period: 2013-2015  
Description: District foundation grant to study correlations/ predictions for outcomes after ACLR

Source: Eastern Athletic Trainers' Association (\$3,100.00)\*  
 Title: Central and Peripheral Nervous System Adaptations across the Spectrum of ACLR  
 PI: Norte GE, Hart JM  
 Role: Co-Principal Investigator  
 Period: 2013-2015  
 Description: District foundation grant to study neurophysiologic outcomes in patients with ACLR

Source: Genzyme, Inc. (\$305,000.00)§  
 Title: Prospective, randomized, double blind evaluation of the efficacy of a single dose of Synvisc-One® (6.0 cc) for the treatment of patellofemoral chondromalacia  
 PI: Hart JM, Diduch, DR  
 Role: Research coordinator  
 Period: 2009-Present  
 Description: Clinical Trial; investigator initiated FDA IDE application

Source: The Wallace H. Coulter Foundation Translational Research Partnership in Biomedical Engineering (\$295,000.00)§  
 Title: Application of an MRI-based muscle-modeling tool for diagnosing muscle impairments  
 PI: Meyer CH, Blemker SS, Abel MF, Hart JM  
 Role: Research coordinator  
 Period: 2010-Present  
 Description: Technology development grant for MRI muscle modeling in patients

Source: Moximed, Inc. (\$117,500.00)§  
 Title: Prospective, Multi-Center, Pilot Study to Evaluate Symptom Relief in Patients with Medial Knee Osteoarthritis (OA) Treated with the KineSpring® Knee Implant for Load Reduction  
 PI: Diduch DR  
 Role: Research coordinator  
 Period: 2013-Present  
 Description: Pre-FDA IDE trial for an implantable device to reduce medial knee joint load in those with osteoarthritis. This study includes 3D gait analysis and longitudinal outcomes.

Source: Zimmer Orthobiologics, Inc. (\$209,687.50)§  
 Title: Post-Market, Longitudinal Data Collection Study of DeNovo NT for Articular Cartilage Defects of the Knee  
 PI: Diduch DR  
 Role: Research coordinator  
 Period: 2011-Present  
 Description: Sponsor-initiated post-market outcomes study for patients treated with DeNovo NT

Source: Zimmer Orthobiologics, Inc. (\$313,562.50)§  
 Title: A Stratified, Post-Market Study of DeNovo NT for Treatment of Femoral and Patellar Articular Cartilage Lesions of the Knee  
 PI: Diduch DR  
 Role: Research coordinator  
 Period: 2011-Present  
 Description: Sponsor-initiated post-market outcomes study for patients treated with DeNovo NT

Source: Aesculap. (\$12,500 start-up costs + \$33,955.00 [NOVOCART] or \$21,700.00 [MICROFRACTURE] per enrolled patient)§  
 Title: A Phase 3 Prospective, Randomized, Partially Blinded Multi-Center Study to Measure the Safety and Efficacy of NOVOCART® 3D, Compared to Microfracture in the Treatment of Articular Cartilage Defects

PI: Diduch DR  
 Role: Research coordinator  
 Period: 2011-Present  
 Description: Sponsor-initiated outcomes study for patients randomized to Novocart 3D compared to microfracture for treatment of articular lesions to the femoral condyle or trochlea

## **HONORS AND AWARDS**

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- ACSM Biomechanics Interest Group Student Research Award May 2015
- NATA Research and Education Foundation Scholarship June 2014
- Elsie Hughes Cabell Scholarship April 2014
- Nominated for Dolores Zohrab Liebmann Fellowship December 2013
- Finalist for Masters Student Poster Presentation Award June 2010
- McCue Society membership June 2009-Present

## **MASTERS STUDENT THESIS COMMITTEE (\* Chair, † committee member, ‡ doctoral student advisor)**

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1. Scheurer S, Glaviano NR, Ingersoll CD, **Norte GE**. Relationship Between Corticomotor Excitability and Quadriceps Neuromuscular Function in Patients Following ACL Reconstruction. 2016-2018\*
2. Verhoff K, Glaviano NR, Murray AM, **Norte GE**. Lower Extremity Biomechanics During a Single Limb Hop Task in Patients Following ACL Reconstruction and Healthy Controls. 2016-2018\*
3. Zink C, Glaviano NR, Bouillon L, **Norte GE**. Lower Extremity Muscle Activation Patterns During a Single Limb Hop Task in Patients Following ACL Reconstruction and Healthy Controls. 2016-2018\*
4. Haines M, Glaviano NR, Murray AM, **Norte GE**. Influence of Ankle Bracing and Externally Focused Biofeedback on Lower Extremity Landing Biomechanics in Healthy Females. 2016-2018\*
5. Frendt T, Donovan L, Armstrong C, McLoughlin T, **Norte GE**. Effects of Dual Tasking on Anticipated and Unanticipated Cutting Biomechanics in Healthy Males. 2015-2017\*
6. Lipinski C, Donovan L, Armstrong C, McLoughlin T, **Norte GE**. Surface Electromyography of the Flexor Carpi Ulnaris and Flexor Digitorum Superficialis During Elbow Rehabilitation Phases. 2015-2017\*
7. Rowe A, Donovan L, Armstrong C, **Norte GE**. Influence of Ankle Bracing on Lower Extremity Muscle Activation During a Stop-Jump Task. 2015-2017\*
8. Henderson N, Donovan L, Armstrong C, **Norte GE**. Influence of Ankle Bracing on Lower Extremity Kinematics During a Stop-Jump Task. 2015-2017\*
9. Reynolds T, **Norte GE**, Armstrong C, McLoughlin T, Wambold S. Core Muscle Activation as it Pertains to Unstable Resistance Training. 2015-2017†
10. Solaas H, **Norte GE**, Saliba SA, Hart JM. Physical Activity Influence the Relationship Between Lower Extremity Function and Fear of Movement After ACL Reconstruction. 2015-2016‡
11. Donner C, **Norte GE**, Resch J, Hart JM. Performance Tracking Over a Single Season in Male Collegiate Soccer Players. 2015-2016‡
12. McMillin M, **Norte GE**, Hertel J, Hart JM. Quadriceps Function in ACL Reconstructed Patients With and Without a History of Knee Osteoarthritis. 2014-2015‡

13. Williamson C, **Norte GE**, Broshek D, Hart JM, Resch J. Return-to-Learn Following Sport Concussion: A Survey of Current Practice of Athletic Trainers. 2014-2015
14. Meyer J, **Norte GE**, Hertel J, Hart JM. Neuromuscular Function in Patients with Clinically Diagnosed Chondromalacia Patella. 2013-2014
15. Richbourg C, **Norte GE**, Hart JM, Park J, Hertel J. Strength and Functional Measures in Patients with Posterior Tibial Tendon Dysfunction. 2013-2014
16. Wintringham D, **Norte GE**, Hart JM, Park J, Hertel J. Strength and Functional Measures in Patients with Posterior Tibial Tendon Dysfunction. 2012-2013
17. Mitha Z, Kuenze CM, **Norte GE**, Read K, Handsfield G, Blemker SS, Hertel J, Hart JM. Lower Extremity Muscle Volumes in ACL Deficient Patients. 2012-2013

### **MEDICAL STUDENT RESEARCH SUPERVISOR**

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- Luis Goity – School of Medicine; University of Virginia, 2018
- Nabil Abazaïd – School of Medicine; University of Virginia, 2018
- Michael Watson – School of Medicine; University of Virginia, 2017
- Sean Higgins – School of Medicine; University of Virginia, 2016
- Vincent Gomez – School of Medicine; University of Virginia, 2014
- Eric Zachwieja – School of Medicine; University of Virginia, 2014

### **UNDERGRADUATE STUDENT RESEARCH SUPERVISOR**

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- Amelia Wellings – College of Arts and Sciences; University of Virginia, 2016
- Eva Tuszka – School of Engineering and Applied Science; University of Virginia, 2015
- Hanifah Hendricks – College of Arts and Sciences; University of Virginia, 2015
- Matthew Hrin – College of Arts and Sciences; University of Virginia, 2015

### **PROFESSIONAL SERVICE AND LEADERSHIP**

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#### **University of Toledo**

- Committee Member, AT Faculty Search 2017-Present

#### **University of Virginia**

- Curry School of Education Research Conference
  - Chair – Proposals Committee 2014-2015
  - Co-Chair – Proposals Committee 2013-2014
- Curry School of Education Council 2013-2015
  - Kinesiology Representative

#### **State Service**

- Virginia Athletic Trainers' Association Annual Meeting January 2014
  - Quiz Bowl Emcee/ Question writer
- Moderator, VATA Annual Meeting; Short Pump, VA January 2014
- Virginia Young Professionals Committee Member August 2013
- Volunteer, Virginia Athletic Trainers' Association Annual Meeting January 2013
- NATA District 2 Advanced Education Committee Continuing Education April 2012

## National Service

- Moderator, NATA Annual Meeting, Houston, TX June 2017
- NATA Foundation Research Faculty Mentor Program 2017-Present
- GLATA Free Communication Abstract Reviewer 2016-Present
- ATOAC: Resources to Raise Awareness of Osteoarthritis Working Group 2015-Present
- Moderator, NATA Annual Meeting, Indianapolis, IN June 2014
- Moderator, NATA Annual Meeting, Las Vegas, NV June 2013
- NATA Annual Meeting Workshop Assistant – Kinesio Tape June 2009
- NATA Annual Meeting Career Center Volunteer June 2007

## Scholarly Service

### *Ad hoc Manuscript Reviewer*

- American Journal of Sports Medicine 2017-Present
- Clinical Rehabilitation 2017-Present
- Archives of Physical Medicine and Rehabilitation 2016-Present
- Journal of Science and Medicine in Sport 2016-Present
- Medical Research Archives 2015-Present
- PLOS ONE 2015-Present
- International Journal of Athletic Therapy and Training 2013-Present
- Journal of Sport Rehabilitation 2011-Present
- Athletic Training and Sports Health Care 2011-Present
- Orthopaedics 2011-Present
- Journal of Athletic Training 2010-Present
- Sports Health: A Multidisciplinary Approach 2010-Present

### *Board of Certification Volunteer*

- Evidence-Based Practice Review Panelist 2014-Present
- Home Study Reviewer 2012- 2014

## Community Service

- High School Boarding Program Resident April 2015-Present
- United Way Day of Caring September 2014
- CPR and First Aid Instruction: UVA Fall 2012-Present
- CPR and First Aid Instruction: SUNY New Paltz Fall 2012-2013
- CPR and First Aid Instruction: Steadman Clinic Fall 2010-2012
- Vail Valley Highway Clean Up June 2010
- Boy Scout educational casting session – Steadman Clinic March 2010
- Dew Tour Winter Game Medical Coverage January 2010
- Vail Recreation District Medical Coverage August 2009-May 2010

## PROFESSIONAL ORGANIZATIONS/ CERTIFICATIONS

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- National Athletic Trainers' Association 2006-Present
  - Member #: 25704
  - Certification #: 060802072 2008-Present
- National Strength and Conditioning Association 2009-Present
  - Member #: 09-03-27-027 2009-Present
  - Certification #: 200938842 2009-Present
- National Board for Certification of Orthopaedic Technologists 2010-Present
  - Certification #: 10-0616
- Red Cross CPR/AED for the Professional Rescuer Instructor 2008-Present

- Instructor #: 6782361 (updated 8/4/14)
- Nationally Registered Emergency Medical Technician - Basic 2008-2010
  - Registry #: B1883793
- National Provider Identifier 2009-Present
  - Provider #: 1023259678
- Eastern Athletic Trainers' Association 2010-Present
- Virginia Athletic Trainers' Association 2012-Present
- Virginia State Licensure 2012-Present
  - License #: 0126001331
- Sports Medicine Research (SMR): In the Lab & In the Field 2014-Present
- American College of Sports Medicine 2015-Present
  - Member #: 755641
- Athletic Trainers' Osteoarthritis Consortium 2015-Present

GEN: Revised 1-July-2017