

Curriculum Vitae

Grant E. Norte, PhD, AT, ATC

Current 9/1/23

CONTACT INFORMATION

Work

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EDUCATION

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

Associate Professor August 2023-Present
College of Health Professions & Sciences
School of Kinesiology and Rehabilitation Sciences
Division of Kinesiology
University of Central Florida; Orlando, FL

Co-Director August 2023-Present
Cognition, Neuroplasticity, and Sarcopenia (CNS) Laboratory
University of Central Florida; Orlando, FL

Associate Professor April 2021-July 2023
College of Health and Human Services
Department of Exercise and Rehabilitation Sciences
University of Toledo; Toledo, OH

Assistant Professor August 2016-April 2021
College of Health and Human Services
School of Exercise and Rehabilitation Sciences
University of Toledo; Toledo, OH

Co-Director August 2016-Present
Motion Analysis & Integrative Neurophysiology (MAIN) Laboratory
University of Toledo; Toledo, OH

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

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

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

Physician Extender Athletic Training Fellow June 2009-July 2010
The Steadman Clinic; Vail, CO

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

Graduate Assistant Athletic Trainer June 2008-August 2009
Department of Athletics
University of Virginia; Charlottesville, VA

TEACHING EXPERIENCE (* Indicates involvement in course development)

University of Central Florida

Undergraduate APK 4903 Basic Research Methods in kinesiology (Instructor of Record*)
Fall 2023

University of Toledo

Graduate ATTR 6670 Pathology of Orthopedic Injury (Instructor of Record*)
Fall 2016-2022

ATTR 6410 Clinical Biomechanics (Co-Instructor of Record*)
Spring 2017-2020

ATTR 6410 Clinical Biomechanics (Instructor of Record*)
Spring 2021-2023

ATTR 6910 Introduction to Sports Medicine Research I (Co-Instructor of Record*)
Fall 2017-2022

ATTR 6920 Introduction to Sports Medicine Research II (Co-Instructor of Record*)
Spring 2018-2020

ATTR 6920 Introduction to Sports Medicine Research II (Instructor of Record*)
Spring 2021-2023

ATTR 6800 Foundations of Scholarly Practice (Instructor of Record*)
Fall 2019-2022

ATTR 6820 Scholarly Project II (Instructor of Record*)
Fall 2020-2022

EXSC 8990 Independent Study: Systematic Review & Meta-Analysis (Co-Instructor
of Record*), *Fall 2019, Fall 2021, Fall 2022*

EXSC 8990 Independent Study: Biosignal Processing (Instructor of Record*)
Fall 2019

EXSC 8990 Independent Study: Neuroscience (Instructor of Record*)
Spring 2019-2020, 2022-2023

EXSC 8990 Independent Study: Grant Writing (Instructor of Record*)
Spring 2020-2021, 2023

Undergraduate EXSC 4640 Neurological & Pathological Foundations of Rehabilitation (Instructor
of Record), *Spring 2020-2023*

KINE 3950 Research Design in Exercise Science (Instructor of Record)

		<i>Spring 2019</i>
	KINE 3660	Rehabilitation of Athletic Injuries (Instructor of Record) <i>Spring 2017-2018</i>
University of Virginia		
Graduate	EDHS 8999	Master's Thesis Seminar (Teaching Assistant) <i>Fall/Spring 2012-2016</i>
Undergraduate	KINE 4600	Athletic Injuries (Co-Instructor of Record) <i>Spring 2015-2016</i>
	KINE 4601	Athletic Injuries Laboratory (Teaching Assistant) <i>Spring 2015-2016</i>
	KINE 3630	Emergency Medical Care (Teaching Assistant) <i>Fall 2015</i>
	EDHS 3002	Anatomy and Physiology Laboratory (Teaching Assistant) <i>Spring 2014</i>

PUBLISHED MANUSCRIPTS IN PEER-REVIEWED JOURNALS

Impact factor and SCImago Journal Ranking (primary category, quartile, rank, and percentile) listed in *italics*
Note: Primary author listed first, senior author listed last († corresponding author)

1. Garcia M, Heiderscheid B, Murray A, **Norte GE**, Kraus E, Bazett-Jones D. Preferred temporal-spatial parameters, physical maturation, and sex are related to vertical braking forces in adolescent long-distance runners. *Sports Biomechanics*. Accepted May 2023. *Impact factor: 2.896; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank:54/234; Percentile: 77th*
2. Young KM, Rush JL, Lepley AS, Girmann AM, **Norte GE**. Intersession Reliability of Quadriceps Corticospinal Excitability: A Functional Transcranial Magnetic Stimulation Study. *Brain Research*. 2023 Mar 25;1808:148348. Accepted March 2023. *Impact factor: 3.61; Category: Neurology (clinical); Quartile: 2nd; Rank: 106/378; Percentile: 72nd*
3. Sadeqi S, **Norte GE**, Murray AM, Erbulut D, Goel V. Effect of whole-body parameters on knee joint biomechanics: implications for ACL injury prevention during dingle-leg landings. *American Journal of Sports Medicine*. Accepted March 2023. *Impact factor: 7.010; Category: Orthopedics and sports medicine; Quartile: 1st; Rank:4/294; Percentile: 99th*
4. Sherman DA, Baumeister J, Stock MS, Murray AM, Bazett-Jones DM, **Norte GE**. Brain activation and single-limb balance deficits following anterior cruciate ligament reconstruction: neuroplasticity and potential treatments. *Clinical Neurophysiology*. Accepted February 2023. *Impact factor: 4.861; Category: Medicine: Neurology (clinical); Quartile: 1st; Rank:87/378; Percentile: 77th*
5. Rush JL, **Norte GE**. Hamstring fatigue does not improve quadriceps function in individuals with anterior cruciate ligament reconstruction. *Physical Therapy in Sport*. Accepted February 2023. *Impact factor: 2.92; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank:47/225; Percentile: 80th*
6. Kuenze C, Weaver A, Grindstaff TL, Ulman S, **Norte GE**, Roman DP, Giampetruzzi N, Lisee C, Birchmeier T, Triplett A, Farmer B, Hopper H, Sherman DA, Ness BM, Collins K, Walaszek M, Baez S, Harkey MS, Tulchin-Francis K, Ellis H, Wilson PL, Chang E, Wilcox L, Schorfhaar A, Shingles M, Hart JM. Age-, Sex-, and Graft-specific Reference Values From 783 Adolescent Patients At 5-7 months After ACL Reconstruction: IKDC, PEDI-IKDC, KOOS, ACL-RSI, Single-leg Hop, and Thigh Strength. *Journal of Orthopaedic and Sports Physical Therapy*. Accepted January 2023. *Impact factor: 6.276; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank:19/225; Percentile: 92nd*
7. Chaltron C, Sherman DA, Pamukoff D, Bazett-Jones DM, Glaviano NR, **Norte GE**. Whole-body vibration reduces hamstrings neuromuscular function in uninjured individuals. *Physical Therapy in Sport*. Accepted

January 2023 (in press). *Impact factor: 2.92; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank:47/225; Percentile: 80th*

8. Garcia MC, Heiderscheid BC, Murray AM, **Norte GE**, Kraus E, Bazett-Jones DM. One size does not fit all: Influence of sex and maturation on temporal-spatial parameters for adolescent long-distance runners. *Journal of Science and Medicine in Sport*. Accepted October 2022 (in press). *Impact factor: 4.597; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank:10/225; Percentile: 96th*
9. Sherman DA, Baumeister J, Stock MS, Murray AM, Bazett-Jones DM, **Norte GE**. Inhibition of response selection motor processes: negative neuroplasticity following ACL reconstruction. *Medicine & Science in Sports & Exercise*. Accepted October 2022 (in press). *Impact factor: 6.289; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank:7/225; Percentile: 97th*
10. Sherman DA, Baumeister J, Stock MS, Murray AM, Bazett-Jones DM, **Norte GE**. Weaker quadriceps corticomuscular coherence in individuals following ACL reconstruction during force tracing. *Medicine & Science in Sports & Exercise*. Accepted October 2022 (in press). *Impact factor: 6.289; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank:7/225; Percentile: 97th*
11. **Norte GE**, Cousins M, Hogarth DA, Knaus KR, Slater LV, Blemker SS, Hart JM. Personalized volumetric assessment of lower body muscles in patients with knee injuries: a case series. *The Knee*. 2022 Sep 17;39:38-49. Accepted August 2022. *Impact factor: 2.423; Category: Health professions; Quartile: 2nd; Rank:157/627; Percentile: 75th*
12. Gokeler A, Grassi A, Zaffagnini S, Hoogeslag R, van Houten A, Lehmann T, Bolling C, Buckthorpe M, **Norte GE**, Benjaminse A, Heuvelmans P, Di Paolo S, Tak I, Della Villa F. Return to sports after ACL injury 5 years from now: 10 things we must do. *Journal of Experimental Orthopaedics*. 2022 Jul 30;9(1):73. Accepted July 2022 (in press). *Impact factor: 2.15; Category: Orthopedics and sports medicine; Quartile: 2nd; Rank: 166/294; Percentile: 44th (Invited submission)*
13. Takeno K, Ingersoll CD, Glaviano NR, Khuder S, **Norte GE**. Neuromuscular function of the shoulder girdle and upper extremity musculature in individuals with a history of glenohumeral labral repair. *Scandinavian Journal of Medicine & Science in Sports*. 2022 Sep;32(9): 1377-1388. Accepted May 2022. *Impact factor: 4.221; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 15/225; Percentile: 93rd*
14. Takeno K, Ingersoll CD, Glaviano NR, Khudar S, **Norte GE**. Within- and between-session reliability of corticospinal excitability in the upper extremity. *Measurement in Physical Education and Exercise Science*. 2022 Apr (published online). Accepted April 2022. *Impact factor: 2.304; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 36/210; Percentile: 83rd*
15. Kuenze C, Collins K, Triplett AN, Bell DR, **Norte GE**, Baez SE, Harkey MS, Wilcox L, Lisee CM. Adolescents are Less Physically Active than Adults 6 to 12 months after Anterior Cruciate Ligament Reconstruction. *Orthopaedic Journal of Sports Medicine*. 2022 Feb 21;10(2):23259671221075658. Accepted November 2021. *Impact factor: 2.727; Category: Orthopedics and sports medicine; Quartile: 1st; Rank: 39/288; Percentile: 86th*
16. Pietrosimone B, Lepley AS, Kuenze CM, Harkey MS, Hart JM, Blackburn JT, **Norte GE**. Arthrogenic muscle inhibition following anterior cruciate ligament injury. *Journal of Sport Rehabilitation*. 2022 Feb 14;31(6):694-706. Accepted October 2021. *Impact factor: 1.650; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 74/210; Percentile: 64th (Invited submission for special section on arthrogenic muscle inhibition)*
17. Sherman DA, Lehmann T, Baumeister J, Grooms D, **Norte GE**. Somatosensory perturbations influence cortical activity associated with single-limb balance performance. *Experimental Brain Research*. 2021 Nov

12. Accepted October 2021 (online ahead of print). *Impact factor: 1.972; Category: Neuroscience (Miscellaneous); Quartile: 3rd; Rank: 79/146; Percentile: 54th*
18. Glaviano NR, **Norte GE**. Gluteal activation in females with patellofemoral pain: a preliminary study. *Journal of Sport Rehabilitation*. 2021 Dec 9:1-8. Accepted September 2021 (online ahead of print). *Impact factor: 1.650; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 74/210; Percentile: 64th*
19. Robinson M, Murray AM, **Norte GE**, Glaviano NR. Feasibility of superimposed neuromuscular electrical stimulation to the gluteus medius during a resistance training program. *Journal of Sport Rehabilitation*. 2021 Dec 11:1-7. Accepted September 2021 (online ahead of print). *Impact factor: 1.650; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 74/210; Percentile: 64th*
20. Rush JL, Sherman DA, Ingersoll CD, Bazett-Jones D, **Norte GE**. Understanding Athletic Trainers' Knowledge, Intervention, and Barriers Towards Arthroscopic Muscle Inhibition. *Journal of Sport Rehabilitation*. 2021 Dec 1;31(6):667-675. Accepted September 2021. *Impact factor: 1.650; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 74/210; Percentile: 64th*
21. **Norte GE**, Rush JL, Sherman DA. Arthroscopic Muscle Inhibition: Best Evidence, Mechanisms, and Theory for Treating the Unseen in Clinical Rehabilitation. *Journal of Sport Rehabilitation*. 2021 Dec 9;31(6):717-735. Accepted September 2021. *Impact factor: 1.650; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 74/210; Percentile: 64th (Invited submission for special section on arthroscopic muscle inhibition)*
22. Sherman DA, Lehmann T, Baumeister J, Gokeler A, Donovan L, **Norte GE**. External focus of attention influences brain activity and single-limb postural control performance in healthy individuals. *Physical Therapy & Rehabilitation Journal*. 2021 Dec 1;101(12):pzab223. Accepted May 2021. *Impact factor: 3.140; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 34/207; Percentile: 84th*
23. Smith S, Rush JL, Glaviano NR, Murray AM, Bazett-Jones D, Bouillon L, Blackburn T, **Norte GE**. Sex influences the relationship between hamstrings-to-quadriceps strength imbalance and co-activation during walking gait. *Gait & Posture*. 2021 Jul;88:138-145. Accepted May 2021. *Impact factor: 2.349; Category: Rehabilitation; Quartile: 1st; Rank: 19/126; Percentile: 85th*
24. Duckett TR, Hart JM, Fox C, **Norte GE**. Rationale for a Parsimonious Measure of Subjective Knee Function after ACL Reconstruction: A Rasch Analysis. *Journal of Athletic Training*. 2021 Dec 1;56(12):1340-1348. Accepted February 2021. *Impact factor: 2.478; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 20/186; Percentile: 89th*
25. Sherman DA, Glaviano NR, **Norte GE**. Hamstrings Neuromuscular Function after Anterior Cruciate Ligament Reconstruction: A Systematic Review and Meta-Analysis. *Sports Medicine*. 2021 Aug;51(8):1751-1769. Accepted February 2021. *Impact factor: 8.551; Category: Orthopedics and Sports Medicine; Quartile 1st; Rank: 2/284; Percentile: 99th*
26. Sherman DA, Rush JL, Glaviano NR, **Norte GE**. Hamstrings Muscle Morphology after Anterior Cruciate Ligament Reconstruction: A Systematic Review and Meta-Analysis. *Sports Medicine*. 2021 Aug;51(8):1733-1750. Accepted February 2021. *Impact factor: 8.551; Category: Orthopedics and Sports Medicine; Quartile 1st; Rank: 2/284; Percentile: 99th*
27. Haines M, Murray AM, Glaviano NR, Gokeler A, **Norte GE**. Restricting Ankle Dorsiflexion Does Not Mitigate the Benefits of External Focus of Attention on Landing Biomechanics in Healthy Females. *Human Movement Science*. 2020 Nov 21;74:102719. Accepted November 2020. *Impact factor: 2.096; Category: Orthopedics and Sports Medicine; Quartile: 2nd; Rank: 79/284; Percentile: 72nd*

28. Rush JL, Glaviano NR, **Norte GE**. Alterations in Quadriceps Corticomotor and Spinal-Reflexive Excitability in Individuals with a History of Anterior Cruciate Ligament Reconstruction: A Systematic Review and Meta-Analysis. *Sports Medicine*. 2021 May;51(5):961-990. Accepted November 2020. *Impact factor: 8.551; Category: Orthopedics and Sports Medicine; Quartile 1st; Rank: 2/284; Percentile: 99th*
29. Kingston B, Murray AM, **Norte GE**, Glaviano NR. Validity and Reliability of Trunk, Hip, and Knee Frontal Plane Kinematics in Females with Patellofemoral Pain. *Physical Therapy in Sport*. 2020 Jul 25;45:181-187. Accepted July 2020. *Impact factor: 1.926; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 47/186; Percentile: 74th*
30. Rush J, **Norte GE**, Lepley AS. Limb Differences in Hamstring Muscle Function and Morphology after Anterior Cruciate Ligament Reconstruction. *Physical Therapy in Sport*. 2020. Jul 25;45:168-175. Accepted June 2020. *Impact factor: 1.926; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 47/186; Percentile: 74th*
31. Sherman DA, Birchmeier T, Kuenze C, Garrison CJ, Hannon J, Bush CA, **Norte GE**. Thigh Muscle and Patient-Reported Function Early after ACL Reconstruction: Clinical Cutoffs Unique to Graft Type and Age. *Journal of Athletic Training*. 2020 Aug 1;55(8):826-833. Accepted December 2019. *Impact factor: 2.478; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 20/186; Percentile: 89th*
32. Scheurer SA, Sherman DA, Glaviano NR, Ingersoll CD, **Norte GE**. Corticomotor Function is Associated with Quadriceps Rate of Torque Development in Individuals with ACL Surgery. *Experimental Brain Research*. 2020 Feb;238(2): 283-294. Accepted December 2019. *Impact factor: 1.878; Category: Neuroscience (Miscellaneous); Quartile: 2nd; Rank: 70/144; Percentile: 51st*
33. Sherman DA, Sherman S, **Norte GE**. The Power of Language: A More OPTIMAL Way to Coach Your Patients to Recovery. *Athletic Training & Sports Health Care*. Accepted November 2019 (in press). *Impact Factor: 0.15*
34. **Norte GE**, Frendt T, Murray AM, Armstrong C, McLoughlin T, Donovan L. Influence of Anticipation and Motor-Motor Task Performance on Cutting Biomechanics in Healthy Males. *Journal of Athletic Training*. 2020 Aug 1;55(8):834-842. Accepted October 2019. *Impact factor: 2.478; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 20/186; Percentile: 89th*
35. Gilfeather D, **Norte GE**, Ingersoll CD, Glaviano NR. Measuring Gluteal Neuromuscular Function with the Central Activation Ratio. *Journal of Sport Rehabilitation*. 2019 Nov 27;29(7):956-962. Accepted September 2019. *Impact factor: 1.500; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 81/186; Percentile: 56th*
36. **Norte GE**, Goetschius JW, Slater LV, Hart JM. Influence of Patient Demographics and Surgical Characteristics on Return-to-Activity Pass Rates in ACL Reconstructed Patients Prior to Physician Clearance. *Clinical Journal of Sport Medicine*. 2021 Nov 1;31(6)e354-e362. Accepted September 2019. *Impact factor: 2.702; Category: Orthopedics and sports medicine; Quartile: 1st; Rank: 57/264; Percentile: 78th*
37. **Norte GE**, Solaas H, Goetschius J, Slater LV, Hart JM. The Relationships between Kinesiophobia and Clinical Outcomes after ACL Reconstruction Differ By Self-Reported Physical Activity Engagement. *Physical Therapy in Sport*. 2019 Aug 8;40:1-9. Accepted August 2019. *Impact factor: 2.000; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 47/186; Percentile: 74th*
38. Hart JM, Kuenze CM, **Norte GE**, Bodkin SG, Patrie J, Denny C, Hart JA, Diduch DR. Prospective, randomized, double blind evaluation of the efficacy of a single dose of hyaluronic acid for the treatment of patellofemoral pain. *Orthopaedic Journal of Sports Medicine*. 2019 Jun 24;7(6). Accepted April 2019. *Impact factor: 2.589; Category: Orthopedics and sports medicine; Quartile: 1st; Rank: 28/264; Percentile: 89th*

39. Glaviano NR, Bazett-Jones D, **Norte GE**. Gluteal Muscle Inhibition: Consequence of Patellofemoral Pain? *Medical Hypotheses*. 2019 May;126:9-14. Accepted February 2019. *Impact factor: 1.322; Category: Medicine (miscellaneous); Quartile: 3rd; Rank: 1423/2796; Percentile: 49th*
40. Bodkin S, **Norte GE**, Hart JM. Corticospinal Excitability Can Discriminate Quadriceps Strength Indicative of Knee Function after ACL Reconstruction. *Scandinavian Journal of Medicine & Science in Sports*. 2019 May;29(5):716-724. Accepted January 2019. *Impact factor: 3.623; Category: Orthopedics and sports medicine; Quartile: 1st; Rank: 21/264; Percentile: 92nd*
41. Lipinski C, Donovan L, Armstrong C, McLoughlin T, **Norte GE**†. Surface Electromyography of the Forearm Musculature During an Overhead Throwing Rehabilitation Progression. *Physical Therapy in Sport*. 2018 Sep;33:109-116. Accepted July 2018. *Impact factor: 2.000; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 47/186; Percentile: 74th*
42. Bodkin S, Slater LV, **Norte GE**, Goetschius J, Hart JM. ACL Reconstructed Individuals Do Not Demonstrate Deficits in Postural Deficits as Measured by Single-Leg Balance. *Gait & Posture*. 2018 Oct;66:296-299. Accepted June 2018. *Impact factor: 2.273; Category: Rehabilitation; Quartile: 1st; Rank: 13/119; Percentile: 89th*
43. **Norte GE**†, Hertel J, Saliba S, Diduch D, Hart JM. Quadriceps Function and Patient-Reported Outcomes after Anterior Cruciate Ligament Reconstruction in Patients With or Without Knee Osteoarthritis. *Journal of Athletic Training*. 2018 Oct;53(10):965-975. Accepted March 2018. *Impact factor: 2.478; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 20/186; Percentile: 89th*
44. Takeno K, Glaviano NR, **Norte GE**, Ingersoll CD. Effectiveness of therapeutic interventions on scapular kinematics and disability in subacromial impingement patients: A systematic review. *Journal of Athletic Training*. 2019 Mar;54(3):283-295. Accepted March 2018. *Impact factor: 2.478; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 20/186; Percentile: 89th*
45. 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. *Journal of Athletic Training*. 2018 Oct;53(10):990-1003. Accepted December 2017. *Impact factor: 2.478; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 20/186; Percentile: 89th*
46. Dempsey IJ, **Norte GE**†, Hall M, Goetschius J, Slater LV, Cancienne JM, Werner BC, Diduch DR, Hart JM. Relationship Between Physical Therapy Characteristics, Surgical Procedure, and Clinical Outcomes in Patients after ACL Reconstruction. *Journal of Sport Rehabilitation*. 2019 Feb 1;28(2):171-179. Accepted October 2017. *Impact factor: 1.500; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 81/186; Percentile: 56th*
47. Menzer H, Slater LV, Diduch DR, Miller MD, **Norte GE**, Goetschius J, Hart JM. The Utility of Objective Strength and Functional Performance to Predict Subjective Outcomes after Anterior Cruciate Ligament Reconstruction. *Orthopaedic Journal of Sports Medicine*. 2017 Dec;5(12). Accepted October 2017. *Impact factor: 2.589; Category: Orthopedics and sports medicine; Quartile: 1st; Rank: 28/264; Percentile: 89th*
48. 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. *Orthopaedic Journal of Sports Medicine*. 2017 Dec;5(12). Accepted September 2017. *Impact factor: 2.589; Category: Orthopedics and sports medicine; Quartile: 1st; Rank: 28/264; Percentile: 89th*
49. **Norte GE**†, Hertel J, Saliba S, Diduch D, Hart JM. Quadriceps Neuromuscular Function in Patients With Anterior Cruciate Ligament Reconstruction With or Without Knee Osteoarthritis: A Cross-Sectional Study.

Journal of Athletic Training. 2018 May;53(5):475-485. Accepted July 2017. *Impact factor: 2.478; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 20/186; Percentile: 89th*

50. Norte GE†, Hertel J, Saliba S, Diduch D, Hart JM. Quadriceps and Patient-Reported Function in ACL-Reconstructed Patients: A Principal Component Analysis. *Journal of Sport Rehabilitation*. 2019 Jan 1;28(1):8-16. Accepted June 2017. *Impact factor: 1.500; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 81/186; Percentile: 56th*
51. 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. *Journal of Sport Rehabilitation*. 2018 May;27(3):201-212. Accepted February 2017. *Impact factor: 1.500; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 81/186; Percentile: 56th*
52. 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. *Journal of Sport Rehabilitation*. 2018 Mar 27(2):144-150. Accepted January 2017. *Impact factor: 1.500; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 2nd; Rank: 81/186; Percentile: 56th*
53. 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. *Clinical Journal of Sports Medicine*. 2017 Jan; 27(1):10-19. Accepted November 2015. *Impact Factor: 2.702; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 35/177; Percentile: 80th*
54. Norte GE†, Saliba SA, Hart JM. Immediate Effects of Therapeutic Ultrasound on Quadriceps Spinal Reflex Excitability in Patients with Knee Injury. *Archives of Physical Medicine & Rehabilitation*. 2015 Sep;96(9):1591-8. Accepted March 2015. *Impact Factor: 3.045; Category: Rehabilitation; Quartile: 1st; Rank: 7/111; Percentile: 94th*
55. Norte GE†, Frye J, Hart JM. Reliability of the Superimposed-Burst Technique in Patients with Patellofemoral Pain: A Technical Report. *Journal of Athletic Training*. 2015 Nov;50(11):1207-11. Accepted February 2015. *Impact Factor: 2.478; Category: Physical therapy, sports therapy and rehabilitation; Quartile: 1st; Rank: 22/177; Percentile: 87th*
56. Norte GE†, Kuenze C, Hart JM. Closed Chain Assessment of Quadriceps Activation Using the Superimposed Burst Technique. *Journal of Electromyography & Kinesiology*. 2014 June;24(3):341-7. Accepted April 2014. *Impact Factor: 1.530; Category: Sports science; Quartile: 2nd; Rank: 58/125; Percentile: 53rd*
57. Tsang KKW, Norte GE, Hand JW. The Assessment of Hand Volume Using Modified Volumetric Technique. *Journal of Testing and Evaluation*. 2012 Mar 40(2):329-333. Accepted October 2011. *Impact Factor: 0.423; Category: General materials science; Quartile: 3rd; Rank: 279/439; Percentile: 36th*
58. Norte GE, West A, Gnacinski MR, Van der Meijden O, Millett PJ. On-Field Management of the Acute Anterior Glenohumeral Dislocation. *Physician & Sportsmedicine*. 2011 Sep;39(3):151-62. Accepted March 2011. *Impact Factor: 1.144; Category: Orthopedics and sports medicine; Quartile: 2nd; Rank: 89/244; Percentile: 63rd*
59. 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. *American Journal of Physical Medicine and Rehabilitation*. 2010 Dec;89(12):986-996. Accepted October 2010. *Impact Factor: 2.064; Category: Rehabilitation; Quartile: 1st; Rank: 25/119; Percentile: 79th*

BOOK CHAPTERS

1. Lepley A, **Norte GE**, Ferlic M. Data Management: How to Manage Data Safely and Effectively in an Organized Manner – In: Translational Sports Medicine. Elsevier. Accepted January 2023. Published August 2023

NON PEER-REVIEWED PUBLICATIONS AND MEDIA

1. Sherman S, **Norte GE**. Conducted interview to foster collaboration between the Athletic Trainers' Osteoarthritis Consortium and a licensed clinician. Posted online Aug 27, 2019: <https://www.youtube.com/watch?v=OJPkIIUCMa0>.
2. **Norte GE**, Glaviano NR. Overcoming Psychological Barriers. National Athletic Trainers' Association News. Interviewed for online blog focused on mental health to promote our NATA Best Practice Forum session, "Enhancing rehabilitation outcomes following knee injury: overcoming psychological barriers." Posted online May 23, 2019: <https://www.nata.org/blog/beth-sitzler/overcoming-psychological-barriers>.*

CONFERENCE AND REFEREED ABSTRACT PRESENTATIONS († co-senior author)

1. Young KM, Rush JL, Lepley AS, **Norte GE**. Intersession Reliability of Quadriceps Corticospinal Excitability: A Functional Transcranial Magnetic Stimulation Study. POSTER. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
2. Takeno K, Ingersoll CD, Glaviano NR, Khuder S, **Norte GE**. Relationship Between Shoulder and Upper Extremity Neuromuscular Function and Patient-Reported Outcomes in Individuals with Glenohumeral Labral Repair. POSTER. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
3. Sherman DA, Stock MS, Baumeister, Murray AM, Bazett-Jones D, **Norte GE**. Inhibition of Motor Planning and Response Selection Following Anterior Cruciate Ligament Reconstruction. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
4. Schwartz AS, Sherman DA, Rush JL, **Norte GE**. Continuous Analysis of Dynamic Knee Extension and Flexion Torque Magnitude and Control in Individuals with ACL Reconstruction. POSTER. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
5. Rush JL, Murray AM, Grooms DR, Nicholson E, **Norte GE**. Eyes on the Prize: Neurocognitive Contributions of a Choice Reaction Drop-Cutting Maneuver. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
6. **Norte GE**, Murray AM, Sherman DA, Rush JL, Glaviano NR. Hamstrings Strength and Morphological Adaptations to a 4-Week Eccentric Exercise Protocol in Individuals with ACL Reconstruction: A Preliminary Case Series. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
7. Nicholson EP, Rush JL, Murray AM, Grooms DR, Bazett-Jones DM, **Norte GE**. Do Cognitive and Motor Brain Function Associate with the Biomechanical Dual-Task Cost During Double-Limb Landing? ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
8. Koohestani M, Sherman DA, Rush JL, **Norte GE**. Hamstrings Corticomotor Function in Individuals with Anterior Cruciate Ligament Reconstruction. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.

9. Fernandes CA, **Norte GE**, Gokeler A, Schwab S, Sherman DA. Leader-Follower Roles in Female Soccer Players: Interpersonal Coordination within a Collision-Avoidance Task. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
10. Zambarano EK, Glaviano NR, **Norte GE**, Bazett-Jones DM, Mangum LC, Murray AM. Effects of an 8-week Lumbopelvic-Hip Complex Training Program on Stability and Single-Leg Landing Mechanics: A Preliminary Report. POSTER. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
11. Bazett-Jones DM, Bachand R, Esculier JF, Fox C, **Norte GE**, Garcia MC. Comparison of running injury risk perceptions among adolescents, parents, and coaches. POSTER. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
12. Bachand R, Bazett-Jones DM, Esculier JF, Fox C, **Norte GE**, Garcia MC. Do behaviors and perceptions about running injuries align for adolescent runners? POSTER. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
13. Sebastian N, Garcia MC, Ford KR, Murray AM, **Norte GE**, Bazett-Jones DM, The effects of transitioning between surface types on impact loading during running. POSTER. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2023.
14. Batista NP, **Norte GE**, Streetman EG, Waiteman MC, Garcia MC, Bazett-Jones DM. Altered neuromuscular function of the quadriceps and gluteal musculature in individuals with patellofemoral pain. ORAL PRESENTATION. 7th International Patellofemoral Research Retreat. Bologna, Italy. June 2023.
15. Waiteman MC, Garcia MC, Briani RV, **Norte GE**, Glaviano N, Azevedo FM, Bazett-Jones DM. Is posterolateral hip strength testing with portable dynamometers reliable and valid? A systematic review with meta-analysis. 7th International Patellofemoral Research Retreat. Bologna, Italy. June 2023. ORAL PRESENTATION. 7th International Patellofemoral Research Retreat. Bologna, Italy. June 2023.
16. Garcia MC, Heiderscheit BC, Kraus E, Murray AM, **Norte GE**, Bazett-Jones DM. Biomechanical And Perceived Effort Responses Of Adolescent Runners To Cadence Manipulation In A Natural Environment. RAPID FIRE PRESENTATION. American College of Sports Medicine Annual Meeting. Denver, CO. May 2023.
17. Murray A, Glaviano NR, **Norte GE**. Metrics of strength, fitness, and ROTC year associate with army combat fitness test performance. ePOSTER. American College of Sports Medicine Annual Meeting. Denver, CO. May 2023.
18. Sherman DA, Baumeister J, Stock MS, Murray AM, Bazett-Jones DM, **Norte GE**. Brain Activation and Single-Limb Balance Deficits Following Anterior Cruciate Ligament Reconstruction: Neuroplasticity and Potential Treatments. PLATFORM. Combined Sections Meeting. San Diego, CA. February 2023.
19. Sherman DA, Baumeister J, Stock MS, Murray AM, Bazett-Jones DM, **Norte GE**. Weaker Quadriceps Corticomuscular Coherence in Individuals Following Anterior Cruciate Ligament Reconstruction during Force Tracing. PLATFORM. Combined Sections Meeting. San Diego, CA. February 2023.
20. Murray A, Fraser J, Bazett-Jones DM, **Norte GE**. Operational military training hinders physical performance: a meta-analysis. POSTER. National Strength and Conditioning Association Annual Meeting. New Orleans, LA. July 2022.
21. Fernholz S, **Norte GE**, Bazett-Jones DM, Sherman DA, Rush JL, Glaviano NR. Gluteus Maximus Activation Can Discriminate Between Females With and Without Patellofemoral Pain: A Pilot Study. POSTER. National Athletic Trainers' Association Annual Meeting. Philadelphia, PA. June 2022.

22. **Norte GE**, Cousins M, Hogarth D, Knaus K, Slater LV, Blemker SS, Hart JM. Personalized Volumetric Assessment of Lower Body Muscles in Patients with Knee Injuries: A Case Series. POSTER. National Athletic Trainers' Association Annual Meeting. Philadelphia, PA. June 2022.
23. Rush JL, Sherman DA, **Norte GE**. Isolated Hamstring Fatigue Does Not Improve Quadriceps Activation in Individuals with Anterior Cruciate Ligament Reconstruction. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Philadelphia, PA. June 2022.
24. Takeno K, Ingersoll CD, Glaviano NR, **Norte GE**. Upper Extremity Neuromuscular Function Can Discriminate between Individuals with and without Glenohumeral Labral Repair. POSTER. National Athletic Trainers' Association Annual Meeting. Philadelphia, PA. June 2022. World Federation of Athletic Training and Therapy World Congress/Canadian Athletic Therapists' Association Annual Meeting. Winnipeg, CA. May 2022.
25. Sherman DA, Rush JL, Stock M, Ingersoll CD, **Norte GE**. Quadriceps Motor Unit Behavior After Anterior Cruciate Ligament Reconstruction. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Philadelphia, PA. June 2022.
26. Murray A, Rush JL, Murray AM, Sherman DA, **Norte GE**. Dynamic Postural Control in Patients With Anterior Cruciate Ligament Reconstruction. POSTER. American College of Sports Medicine Annual Meeting. San Diego, CA. May 2022.
27. Kuenze C, Weaver A, Grindstaff TL, Ulman S, **Norte GE**, Roman D, Giampetruzzi N, Lisee C, Birchmeier T, Triplett A, Farmer B, Hopper H, Sherman DA, Ness BM, Collins K, Walaszek M, Baez S, Harkey MS, Tulchin-Francis K, Chang E, Hart JM. Development of an Interactive Dashboard for Comparison of Performance-Based and Patient-Reported Outcome Measures among Adolescents 5 to 7 Months after ACL Reconstruction. ORAL PRESENTATION. ACL Retreat, High Point, NC. March 2022.
28. Bazett-Jones DM, **Norte GE**. Lifespan Considerations for the Patellofemoral Joint: Preventing and Managing PFP and Osteoarthritis. FEATURE PRESENTATION. Great Lakes Athletic Trainers' Association. Chicago, IL. March 2022.
29. Varada A, Sherman DA, **Norte GE**. Vasti Motor Unit Contributions to Knee Extension Torque Variability after ACL Reconstruction. POSTER. Great Lakes Athletic Trainers' Association. Chicago, IL. March 2022.
30. Sherman DA, Rush JL, **Norte GE**. Arthrogenic Muscle Inhibition: Best Evidence, Mechanisms, and Theory for Treating the Unseen in Clinical Rehabilitation. POSTER. Combined Sections Meeting. San Antonio, TX. February 2022.
31. Rush JL, Murray AM, Sherman DA, Gokeler A, **Norte GE**. Hop Performance After Anterior Cruciate Ligament Reconstruction: Cleared For Landing, But Ready For Take-off? POSTER. American College of Sports Medicine Annual Meeting. Virtual Format. May 2021.
32. Smith SM, Rush JL, Glaviano NR, Murray AM, Bazett-Jones D, Bouillon L, Blackburn JT, **Norte GE**. Sex influences the relationship between hamstrings-to-quadriceps strength imbalance and co-activation during walking gait. POSTER. National Athletic Trainers' Association Annual Meeting. Virtual Format. June 2021.
33. Morse BD, Rush JL, Murray AM, Glaviano NR, Bazett-Jones D, Blackburn JT, **Norte GE**. Hamstrings stiffness and strength associate with hamstrings-to-quadriceps co-activation during jump landing tasks. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Virtual Format. June 2021.
34. Chaltron CA, Sherman DA, Bazett-Jones D, Pamukoff DN, **Norte GE**. Influence of whole-body vibration on hamstrings neuromuscular function in healthy individuals. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Virtual Format. June 2021.

35. Rush JL, Glaviano NR, **Norte GE**. Assessment of quadriceps corticomotor and spinal-reflexive excitability in individuals with a history of anterior cruciate ligament reconstruction: a systematic review and meta-analysis. National Athletic Trainers' Association Annual Meeting. ORAL PRESENTATION. Virtual Format. June 2021.
36. Sherman DA, Rush JL, Glaviano NR, **Norte GE**. Hamstrings muscle morphology after anterior cruciate ligament reconstruction: a systematic review and meta-analysis. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Virtual Format. June 2021.
37. Takeno K, Ingersoll CD, Glaviano NR, **Norte GE**. Upper extremity neuromuscular function can discriminate between individuals with and without glenohumeral labral repair. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Virtual Format. June 2021.
38. Vorst NT, Sherman DA, Lehmann T, Baumeister J, Gokeler A, Donovan L, **Norte GE**. External focus of attention influences brain activity associated with single limb balance performance. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Virtual Format. June 2021.
39. Zambarano E, Sherman DA, **Norte GE**, Murray AM. Trunk and lower extremity biomechanics during two single-leg landing tasks in individuals with anterior cruciate ligament reconstruction. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Virtual Format. June 2021.
40. **Norte GE**, Rush JL, Sherman DA, Murray AM. Single leg hop performance in individuals with anterior cruciate ligament reconstruction: should we consider the journey rather than the outcome? ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Virtual Format. June 2021.
41. Sherman DA, **Norte GE**. The Power of Language: Use of Motor Learning Principles to Improve Movement and Recovery. ORAL PRESENTATION. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2021.
42. Rush JL, **Norte GE**. Bridging the Gap Between Neurophysiological Assessment and Clinical Practice. ORAL PRESENTATION. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2021.
43. **Norte GE**, Lepley AS. Life after ACL Injury: Optimizing Muscle Function now to Preserve Health and Well-Being Later. ORAL PRESENTATION: EVIDENCE-BASED PRACTICE. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2021.
44. Sherman DA, **Norte GE**. External Focus of Attention Influences Brain Activity and Single Limb Balance Performance. ORAL PRESENTATION. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2021.
45. Vorst N, Sherman DA, **Norte GE**. Transcutaneous electrical nerve stimulation influences brain activity associated with balance. ORAL PRESENTATION. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2021.
46. Sherman DA, Lehmann T, Baumeister J, Gokeler A, Donovan L, **Norte GE**. Peripheral sensory environments influence brain activity and single-limb balance performance in healthy individuals. POSTER. Combined Sections Meeting – Sports Category. Virtual Format. February 2021.
47. Sherman DA, Lehmann T, Baumeister J, Gokeler A, Donovan L, **Norte GE**. External focus of attention influences brain activity and single-limb balance performance in healthy individuals. POSTER. Combined Sections Meeting – Sports Category. Virtual Format. February 2021.

48. Lepley AS, **Norte GE**. Stick the Landing: Using Motor Learning Principles to Optimize Assessment and Rehabilitation. NATA LECTURE. National Athletic Trainers' Association Annual Meeting. Atlanta, GA. June 2020.
49. **Norte GE**, Gregoire M, Murray AM, Bouillon L, Glaviano NR. Hamstrings-to-Quadriceps Strength Imbalance Associates With Coactivation During Walking Gait in Healthy Females. POSTER. National Athletic Trainers' Association Annual Meeting. Atlanta, GA. June 2020.
50. Sherman DA, Glaviano NR, **Norte GE**. Systematic Review and Meta-Analysis of the Hamstrings Muscles in Individuals With ACL Reconstruction, Part I: Neuromuscular Function. RAPID FIRE PRESENTATION. National Athletic Trainers' Association Annual Meeting. Atlanta, GA. June 2020.
51. Rush JL, **Norte GE**†, Lepley AS. Limb Differences in Hamstring Muscle Function and Morphology 2-9 Years after Anterior Cruciate Ligament Reconstruction. RAPID FIRE PRESENTATION. AWARD FOR POST-PROFESSIONAL TERMINAL DEGREE STUDENT. National Athletic Trainers' Association Annual Meeting. Atlanta, GA. June 2020.
52. Loew E, Takeno K, Ingersoll CD, **Norte GE**. Influence of Elbow Stretch on Flexor Carpi Ulnaris Motor Neuron Pool Excitability in Healthy Males. RAPID FIRE PRESENTATION. National Athletic Trainers' Association Annual Meeting. Atlanta, GA. June 2020.
53. Glaviano NR, Ingersoll CD, **Norte GE**. Gluteal Activation and Discomfort during the Superimposed Burst Technique between Healthy Males and Females. POSTER. National Athletic Trainers' Association Annual Meeting. Atlanta, GA. June 2020.
54. Frymier A, **Norte GE**, Murray AM, Bouillon L, Glaviano NR. Influence of Sagittal Trunk Position on Lower Extremity Muscle Activation in Runners. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Atlanta, GA. June 2020.
55. Takeno K, Saito Y, **Norte GE**, Ingersoll CD, Murray AM, Glaviano NR. Upper Extremity Muscle Activation and Perceived Fatigue during Simulated Baseball Game Pitching. POSTER. National Athletic Trainers' Association Annual Meeting. Atlanta, GA. June 2020.
56. **Norte GE**, Sherman DA. Hamstrung by the Hamstrings? Simple Solutions for Complex Problems after ACL Reconstruction. FEATURE PRESENTATION: EVIDENCE-BASED PRACTICE. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2020.
57. Sherman DA, **Norte GE**. The Effect of Eccentric Exercise on Hamstrings Corticomotor Function among Individuals with ACL Reconstruction: A Pilot Study. ORAL PRESENTATION. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2020.
58. Rush, **Norte GE**†, Lepley AS. Limb Differences in Hamstring Muscle Function and Morphology 2-9 Years after Anterior Cruciate Ligament Reconstruction. ORAL PRESENTATION. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2020.
59. Melillo J, **Norte GE**, Ingersoll CD, Glaviano NR. Influence of Muscle Motor Point Identification on Quadriceps Function Following NMES. ORAL PRESENTATION. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2020.
60. Zambarano E, Bouillon L, **Norte GE**, Glaviano NR. Effect of Fatigue on Lumbopelvic-Hip Complex Muscle Activation and Lower Extremity Biomechanics. ORAL PRESENTATION. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2020.

61. Kingston B, Murray AM, **Norte GE**, Glaviano NR. Validity and Reliability of Knee, Hip, and Trunk Frontal Plane Kinematics in Females with PFP. ORAL PRESENTATION. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2020.
62. Sadeqi S; Erbulut D, Murray AM, **Norte GE**, Sherman D, Noe K, Barnett M, Goel V. Comparison Of ACL Strain And Knee Kinematics During Two Tasks Of Single Leg Cross Drop Jump And Single Leg Drop Jump- A Multibody And Finite Element Study. POSTER. Orthopedic Research Society Annual Meeting. Phoenix, AZ. February 2020.
63. Glaviano NR, **Norte GE**. Enhancing Rehabilitation Outcomes Following Knee Injury: Overcoming Psychological Barriers. BEST PRACTICE FORUM. Moderator: Jennifer Earl-Boehm. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2019.
64. **Norte GE**, Frendt T, Murray AM, Armstrong CW, McLoughlin TJ, Donovan LT. Influence of Anticipation and Dual-Tasking on Cutting Biomechanics in Healthy Males. POSTER. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2019.
65. Sherman DA, Kuenze C, Garrison CJ, Hannon J, Bush CA, Ingersoll CD, **Norte GE**. Thigh Muscle and Patient-Reported Function Early after ACLR: Clinical Cutoffs Unique to Graft Type and Age. POSTER: DOCTORAL POSTER AWARD FINALIST. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2019.
66. Duckett TR, Hart JM, Fox C, **Norte GE**. Rationale for a Parsimonious Measure of Subjective Knee Function after ACL Reconstruction: A Rasch Analysis. ORAL PRESENTATION: DOCTORAL ORAL AWARD FINALIST. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2019.
67. Scheurer SA, Sherman DA, Glaviano NR, Ingersoll CD, **Norte GE**. Relationships Between Quadriceps Corticomotor and Neuromechanical Function after Anterior Cruciate Ligament Reconstruction. POSTER. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2019.
68. Haines M, Murray AM, Glaviano, NR, Gokeler A, **Norte GE**. Does Ankle Bracing Mitigate the Impact of Attentional Foci on Landing Mechanics in Healthy Females? POSTER. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2019.
69. Takeno K, **Norte GE**, Glaviano NR, Ingersoll CD. Within- and Between-Day Reliability of Corticomotor Assessment Techniques in the Upper Extremity. POSTER. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2019.
70. Robinson M, **Norte GE**, Murray A, Glaviano NR. The Effect of Functional Electrical Stimulation Applied to the Gluteus Medius During Resistance Training. National Athletic Trainers' Association Annual Meeting. ORAL PRESENTATION. Las Vegas, NV. June 2019.
71. Springer A, **Norte GE**, Murray A, Glaviano NR. Effect of Biofeedback Electrical Stimulation on Lower Extremity Kinematics in Females with Patellofemoral Pain. RAPID FIRE PRESENTATION. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2019.
72. Gilfeather D, **Norte GE**, Ingersoll CD, Glaviano NR. Assessment of Gluteal Neuromuscular Function with the Central Activation Ratio. RAPID FIRE PRESENTATION. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2019.
73. Sherman DA, Scheurer SA, Glaviano NR, Ingersoll CD, **Norte GE**. Relationships Between Quadriceps Corticomotor and Neuromechanical Function after Anterior Cruciate Ligament Reconstruction. POSTER. Osteoarthritis Research Society International World Congress. Toronto, Canada. May 2019.

74. **Norte GE**, Goetschius JW, Slater LV, Hart JM. Influence of Patient Demographics and Surgical Characteristics on Return-To-Activity Pass Rates Following Anterior Cruciate Ligament Reconstruction. POSTER. Osteoarthritis Research Society International World Congress. Toronto, Canada. May 2019.
75. Scheurer SA, Glaviano NR, Ingersoll CD, **Norte GE (presenter)**. Relationship Between Quadriceps Corticomotor and Neuromechanical Function after ACL Reconstruction. ORAL PRESENTATION. OUTSTANDING FREE COMMUNICATION PRESENTATION AWARD WINNER. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2019.
76. **Norte GE**, Hertel J, Saliba S, Diduch D, Hart JM. Quadriceps Function in ACL Reconstructed Patients: A Principal Component Analysis. RAPID FIRE PRESENTATION. DOCTORAL ORAL AWARD FINALIST. National Athletic Trainers' Association Annual Meeting. New Orleans, LA. June 2018.
77. Lipinski C, Donovan L, Armstrong C, McLoughlin T, **Norte GE**. Surface Electromyography of the Elbow Musculature During Progressive Elbow Rehabilitative Exercises. RAPID FIRE PRESENTATION. National Athletic Trainers' Association Annual Meeting. New Orleans, LA. June 2018.
78. **Norte GE**, Hertel J, Saliba S, Diduch DR, Hart JM. Quadriceps Neuromuscular Function in Patients with and Without Knee Osteoarthritis Following Anterior Cruciate Ligament Reconstruction. POSTER. Osteoarthritis Research Society International World Congress. Liverpool, UK. April 2018.
79. **Norte GE**, Glaviano N. Treating Persistent Muscle Inhibition: What To Do When You've Thrown The Kitchen Sink At It. FEATURE PRESENTATION. Great Lakes Athletic Trainers' Association Annual Meeting. Chicago, IL. March 2018.
80. Bodkin SG, **Norte GE**, Hart JM. Thresholds of Cortical Excitability to Predict Patient Satisfaction Following ACL-Reconstruction. POSTER. Orthopaedic Research Society. New Orleans, LA. March, 2018.
81. 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. POSTER. American Academy of Orthopaedic Surgeons. New Orleans, LA. March, 2018.
82. **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. ATOAC Annual Meeting. Houston, TX. June 2017.
83. **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.
84. 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.
85. 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.
86. 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.

87. 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
88. **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.
89. McMillen M, **Norte GE**, Hertel J, Hart JM. Quadriceps Function in ACL Reconstructed Patients With and Without a History of Knee Osteoarthritis. POSTER. National Athletic Trainers' Association Annual Meeting. Baltimore, MD. June 2016.
90. 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.
91. 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.
92. 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.
93. **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. American College of Sports Medicine Annual Meeting. Boston, MA. May 2016.
94. Glaviano N, **Norte GE**, Kew M, Hart JM. Rehabilitation Rates Following Anterior Cruciate Ligament Reconstruction. POSTER. American College of Sports Medicine Annual Meeting. Boston, MA. May 2016.
95. 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.
96. **Norte GE**, Saliba SA, Hart JM. Effects of Therapeutic Ultrasound on Quadriceps Spinal Reflex Excitability. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. St. Louis, MO. June 2015.
97. 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**]
98. Richbourg C, **Norte GE**, Wintringham C, Park J, Hart JM, Hertel J. Characterization of Clinical Measures in Patients with Posterior Tibial Tendon Dysfunction. POSTER. National Athletic Trainers' Association Annual Meeting. St. Louis, MO. June 2015.
99. **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.

100. 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. Biomedical Engineering Annual Meeting. San Antonio, TX. Oct 2014.
101. **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. ORAL PRESENTATION. Mid-Atlantic Athletic Trainers' Association Annual Meeting. Virginia Beach, VA. May 2014.
102. 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. National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 2014.
103. 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. American Academy of Orthopaedic Surgeons Annual Meeting. New Orleans, LA. March 2014.
104. **Norte GE**, Kuenze C, Roberts D, Hart JM. Closed Chain Assessment of Quadriceps Activation Using the Superimposed Burst Technique. POSTER. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2013.
105. Benson S, **Norte GE**. Kienböck's Disease in a Collegiate Softball Player. ORAL PRESENTATION. National Athletic Trainers' Association Annual Meeting. Las Vegas, NV. June 2013.
106. **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. ORAL PRESENTATION. Rocky Mountain Athletic Trainers' Association Meeting. Denver, CO. April 2010.
107. **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: MASTERS POSTER AWARD FINALIST. National Athletic Trainers' Association Annual Meeting. Philadelphia, PA. June 2010.
108. Tsang KKW, **Norte GE**. The Efficacy of Ice and Microcurrent Stimulation on Reducing Pain Associated with Delayed-Onset Muscle Soreness. POSTER. National Athletic Trainers' Association Annual Meeting. Saint Louis, MO. June 2008. Far West Athletic Trainers' Association Meeting. Las Vegas, NV. May 2007. ORAL PRESENTATION: SWENSON RESEARCH FELLOWSHIP. California Lutheran University Research Symposium. Thousand Oaks, CA. March 2007.
109. Tsang KKW, **Norte GE**, Hand JW. Precision and Reliability of a Modified Volumetric Technique on the Assessment of Hand Volumes. POSTER. National Athletic Trainers' Association Annual Meeting. Saint Louis, MO. June 2008. Far West Athletic Trainers' Association Annual Meeting. Las Vegas, NV. May 2007.

INVITED & GUEST LECTURES

1. **Norte GE**. Quad (dys)Function after ACL Injury: Treatment Considerations for Arthrogenic Muscle Inhibition. WEBINAR. ACL Study Day Mini Course. February 2022, June 2022, February 2023. Co-Presenters: Dustin Grooms, Lindsey Lepley, Elizabeth Wellsandt, Lynn Snyder-Mackler.
2. **Norte GE**. Understanding the Burden of ACL Injury. ORAL PRESENTATION. ProMedica ACL Symposium. Toledo, OH. February 2022.

3. **Norte GE.** Arthrogenic muscle inhibition: Pathophysiology, consequences, and theory for treating the unseen in clinical rehabilitation. ORAL PRESENTATION. UToledo Athletic Training-Physical Therapy Continuing Education Event – *Treating the Patient with a Knee Injury: 2021 Updates*. Toledo, OH. November 2021.
4. **Norte GE.** Arthrogenic muscle inhibition: Pathophysiology, consequences, and theory for treating the unseen in clinical rehabilitation. WEBINAR. Motor Learning Institute. September 2021.
5. **Norte GE, Lepley AS.** Life after ACL Injury: Optimizing Muscle Function *Now* to Preserve Health and Well-Being *Later*. WEBINAR. National Athletic Trainers' Association. April 29, 2020.
6. **Norte GE.** Clinical Strength Assessment. ORAL PRESENTATION/LEARNING LAB. ATTR 6120: Evaluation and Management of Peripheral Joint Injury. Toledo, OH. Fall 2019-2020.
7. **Norte GE.** Understanding the Neuromuscular Burden of ACL Reconstruction. ORAL PRESENTATION. Department of Kinesiology Seminar Speak Series, Michigan State University. January 2020.
8. **Norte GE, Bouillon L, Long S.** To Return or Not To Return, That is the Question. EVIDENCE-BASED PRACTICE CONTINUING EDUCATION LECTURE. University of Toledo Athletic Training-Physical Therapy Continuing Education Event – Life after ACL Reconstruction: How Do I Know When My Patient is Ready to Return to Activity? March 2019.
9. **Norte GE.** Post-Traumatic Neurophysiological Assessment. ORAL PRESENTATION. National Institute of Biomedical Imaging and Bioengineering P41 Site Visit. National Center for Adaptive Neurotechnologies. Wadsworth Center, Albany, NY. Impact Score: 15. March 2019.
10. **Norte GE.** Return-to-Sport after ACL Reconstruction. ORAL PRESENTATION. ATTR 6680: Advanced Interventions I. Toledo, OH. Spring 2018-2020.
11. **Norte GE.** Measuring Muscle Inhibition: Spinal and Corticospinal Mechanisms. ORAL PRESENTATION/LEARNING LAB. EXSC 4640: Neurological and Pathological Foundations of Rehabilitation. Toledo, OH. Fall 2017-2018, Spring 2019.
12. **Norte GE.** Neuromuscular Adaptations in ACL Reconstructed Patients. ORAL PRESENTATION/LEARNING LAB. Ohio Athletic Trainers' Association Annual Student Symposium. University of Toledo. Toledo, OH. January 2017.
13. **Norte GE.** Neuromuscular Adaptations Following ACL Reconstruction. ORAL PRESENTATION. Promedica Primary Care Sports Medicine Fellowship Grand Rounds. Toledo, OH. November 2016.
14. **Norte GE.** Treatment Considerations for Lateral Ankle Sprain and Chronic Ankle Instability. ORAL PRESENTATION/LEARNING LAB. PHYT 6500: Musculoskeletal Rehabilitation I. Toledo, OH. Fall 2016-2019.
15. **Norte GE.** Neurophysiological Changes after ACL Reconstruction. ORAL PRESENTATION. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2015.
16. **Norte GE, Goetschius J, Slater L.** Lower Extremity Assessment Protocol (LEAP) Following ACL Reconstruction: Evidence to Guide Return to Sport Decision-Making. LAB DEMONSTRATION. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2015.
17. **Norte GE, Hart JM.** Sensorimotor Adaptations Following ACL Reconstruction: Implications for an Evidence Based Treatment Approach? EATA GRANT PRESENTATION – EVIDENCE BASED PRACTICE PROGRAM. Eastern Athletic Trainers' Association Annual Meeting. Philadelphia, PA. January 2015.

18. **Norte GE.** Arthrogenic Muscle Inhibition: Measurement Techniques and Interpretation. ORAL PRESENTATION. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2014.
19. **Norte GE, Goetschius J.** Neurophysiology Lab: Measuring Muscle Inhibition; 3D Motion Capture. LAB DEMONSTRATION. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2014.
20. **Norte GE.** Sensorimotor Assessment Techniques in the Lower Extremity. ORAL PRESENTATION. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2013.
21. **Norte GE, Slater L.** Instrumented 3D Motion Capture. LAB DEMONSTRATION. Art and Science of Sports Medicine Annual Symposium. Charlottesville, VA. June 2013.

GRANTS FUNDED (* principal investigator, † co-principal investigator/mentored, § co-investigator)

Source: National Strength and Conditioning Association (\$24,893)‡
 Title: Use of progressive, multimodal exercise to optimize hamstrings neuromuscular and functional outcomes after ACL reconstruction
 Student: Andy Murray, MS, CSCS, TSAC-F
 Role: Co-Principal Investigator (Advisor)
 Period: 2023-2025
 Description: The purpose of this study is to investigate the effect of a robust exercise program on hamstrings function in patients with ACLR.

Source: National Athletic Trainers' Association – Doctoral Grant (\$2,500)†
 Title: Dual-task cost in individuals with anterior cruciate ligament reconstruction
 Student: Justin Rush, MS, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2022
 Description: The purpose of this study is to assess the associations between neurocognitive function and biomechanical dual-task cost of landing in patients with ACLR.

Source: University of Toledo deArce-Koch Memorial Endowment Fund (\$23,100) ‡
 Title: Corticospinal excitability and muscle volumes of the quadriceps and gluteal musculature among individuals with patellofemoral pain
 PI: David Bazett-Jones, PhD, ATC (Co-PI); Grant Norte, PhD ATC (Co-PI)
 Period: 2022
 Description: The purpose of this study is to investigate thigh and hip musculature size and neural activity in people with knee pain.

Source: Great Lakes Athletic Trainers' Association (\$1,000)†
 Title: Do Cognitive and Motor Brain Function Associate with the Biomechanical Dual-Cost During Double-Limb Landing
 Student: Emma Nicholson, ATC; Kiana Young, ATC; Justin Rush, MS, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2021
 Description: The purpose of this study is to assess the associations between corticospinal excitability and neurocognitive function with the biomechanical dual-task cost of landing in healthy females.

Source: American College of Sports Medicine (\$5,000)†
 Title: Effect of sensory and attention manipulations on brain activity and motor performance following ACL reconstruction
 Student: David Sherman, DPT, PT, ATC
 Role: Co-Principal Investigator (Advisor)

Period: 2021
 Description: The purpose of this study is to investigate the influence of ACL reconstruction and neuromodulatory strategies on brain activity and postural control.

Source: Ohio Athletic Training Association (\$458)†
 Title: Does isolated hamstring fatigue enhance quadriceps neuromuscular function in patients with anterior cruciate ligament reconstruction?
 Student: Justin Rush, MS, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2020
 Description: The purpose of this study was to investigate the effect of hamstring fatigue as a mechanism to reduce the consequences of reciprocal inhibition on the quadriceps.

Source: Great Lakes Athletic Trainers' Association (\$6,000)*
 Title: Does a 4-week Nordic hamstrings exercise protocol influence hamstrings muscle volumes in patients after ACL reconstruction
 PI: Grant Norte, PhD, ATC
 Period: 2019
 Description: The purpose of this study was to investigate the effect of eccentric exercise on hamstrings muscle volumes using magnetic resonance imaging.

Source: Ohio Physical Therapy Association (\$1,658)†
 Title: Influence of sensory system constraints on brain activity during postural control task performance
 Student: David Sherman, DPT, PT, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2019
 Description: The purpose of this study was to investigate the influence of manipulations to the sensory environment on brain activity, and whether such changes associate with postural control.

Source: Ohio Athletic Trainers' Association (\$348)†
 Title: Influence of sensory system constraints on brain activity during postural control task performance
 Student: David Sherman, DPT, PT, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2019
 Description: The purpose of this study was to investigate the influence of manipulations to the sensory environment on brain activity, and whether such changes associate with postural control.

Source: Ohio Athletic Trainers' Association (\$250)†
 Title: Relationship between hamstrings function and co-activation at the knee during functional tasks
 Student: Ben Morse, ATC; Samantha Smith, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2019
 Description: The purpose of this study was to investigate the relationships between (1) hamstrings-to-quadriceps strength and co-activation during gait, and (2) hamstrings stiffness and co-activation during landing tasks.

Source: National Athletic Trainers' Association Research and Education Foundation (\$2,500)†
 Title: Novel assessment of quadriceps motor unit behavior after anterior cruciate ligament reconstruction
 Student: David Sherman, DPT, PT, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2019
 Description: The purpose of this study was to investigate unique adaptations in quadriceps motor unit behavior.

Source: University of Toledo deArce-Koch Memorial Endowment Fund (\$22,997)*
Title: Adaptation in quadriceps motor unit characteristics after ACL reconstruction
PI: Grant Norte, PhD, ATC
Period: 2019
Description: The purpose of this study was to investigate unique adaptations in quadriceps motor unit behavior.

Source: American College of Sports Medicine (\$10,000)*
Title: Use of Nordic hamstring exercise to improve hamstrings function in patients after ACL reconstruction
PI: Grant Norte, PhD, ATC
Period: 2018
Description: The purpose of this randomized controlled trial was to investigate the effect of eccentric exercise on hamstrings neuromuscular and corticomotor function.

Source: Great Lakes Athletic Trainers' Association (\$2,470)§
Title: The impact of a glenohumeral labrum injury on neuromuscular control of shoulder girdle muscles
Student: Katsumi Takeno, MS, ATC (Advised by Chris Ingersoll)
Role: Co-Investigator
Period: 2018
Description: The purpose of this study was to describe the effect of shoulder surgery on muscular, reflexive, and cortical functioning.

Source: Ohio Athletic Trainers' Association (\$125)§
Title: The impact of a glenohumeral labrum injury on neuromuscular control of shoulder girdle muscles
Student: Katsumi Takeno, MS, ATC (Advised by Chris Ingersoll)
Role: Co-Investigator
Period: 2018
Description: The purpose of this study was to describe the effect of shoulder surgery on muscular, reflexive, and cortical functioning.

Source: Ohio Athletic Trainers' Association (\$200)†
Title: Hamstrings neuromuscular function in healthy patients: a feasibility study
Student: John Walker, ATC
Role: Co-Principal Investigator (Advisor)
Period: 2018
Description: The purpose of this study was to investigate the effect of eccentric exercise on hamstrings neuromuscular function in healthy individuals.

Source: American Society for Metabolic and Bariatric Surgery (\$25,000)§
Title: Surface electromyography (EMG) as a measure of surgeon muscle fatigue during robotic and laparoscopic bariatric surgical procedures
PI: Matthew Fourman, MD, FACS
Role: Co-Investigator (EMG consultant)
Period: 2017
Description: The purpose of this study was to investigate muscle activity as a measure of surgeon muscle fatigue during bariatric surgical procedures.

Source: Great Lakes Athletic Trainers' Association (\$1,450)†
Title: The relationship between corticomotor excitability and quadriceps neuromuscular function in ACL reconstructed patients
Student: Sarah Scheurer, ATC
Role: Co-Principal Investigator (Advisor)

Period: 2017
 Description: The purpose of this study was to investigate the relationship between corticomotor excitability and quadriceps neuromuscular function in patients following ACL reconstruction.

Source: University of Virginia – Curry School of Education (\$990.00)†
 Title: Central and peripheral nervous system adaptation across the spectrum of ACL injury and reconstruction
 PI: Grant Norte, MEd, ATC; Joseph Hart, PhD, ATC
 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. Funding provided to investigate measures of quadriceps function in patients with and without knee osteoarthritis after ACL reconstruction.

Source: Mid-Atlantic Athletic Trainers' Association (\$1,250.00)†
 Title: Central and peripheral nervous system adaptation across the spectrum of ACL injury and reconstruction
 PI: Grant Norte, MEd, ATC; Joseph Hart, PhD, ATC
 Role: Co-Principal Investigator
 Period: 2013-2015
 Description: The purpose of this study was to investigate relationships between neuromuscular and patient-reported outcomes.

Source: Eastern Athletic Trainers' Association (\$3,100.00)†
 Title: Central and peripheral nervous system adaptation across the spectrum of ACL injury and reconstruction
 PI: Grant Norte, MEd, ATC; Joseph Hart, PhD, ATC
 Role: Co-Principal Investigator
 Period: 2013-2015
 Description: The purpose of this study was to investigate neurophysiological outcomes cross-sectionally.

INTRAMURAL PROFESSIONAL DEVELOPMENT SUPPORT (* principal investigator)

Source: University Research Funding Opportunities Small Awards Program (\$500)*
 Period: 2020
 Description: Funding to offset travel costs associated with attending the National Center of Neuromodulation for Rehabilitation (NC NM4R) advanced workshop on operant conditioning of evoked potentials.

Source: Provost Faculty Professional Development Fund (\$1,000)*
 Period: 2019
 Description: Funding to offset travel costs associated with attending the Osteoarthritis Research Society International World Congress in Toronto, Canada.

Source: University Research Funding Opportunities Small Awards Program (\$975)*
 Period: 2018
 Description: Funding to offset travel costs associated with attending the United States Bone and Joint Initiative, Young Investigator Initiative, Grant Mentoring and Career Development Program.

Source: Provost Faculty Professional Development Fund (\$1,000)*
 Period: 2018
 Description: Funding to offset travel costs associated with attending the Osteoarthritis Research Society International World Congress in Liverpool, United Kingdom.

Source: Foy & Phyllis Penn Kohler Fund for International Studies (\$1,300.00)*
Period: 2018
Description: Funding to present research on quadriceps neuromuscular function after ACL reconstruction at the Osteoarthritis Research Society International World Congress in Liverpool, United Kingdom.

Source: Foy & Phyllis Penn Kohler Fund for International Studies (\$790.00)*
Period: 2016
Description: Funding to travel to the University of Flensburg, Germany to attend workshop on EEG acquisition and analysis by working with an expert in the field of sports neuroscience.

UNDERGRADUATE STUDENT FUNDING († co-principal investigator/mentored)

Peyton Bernard

- Understanding the Role of Learned Helplessness in Postural Control following Anterior Cruciate Ligament Reconstruction (\$1,500)†

Alex Varada

- Brain Activity and Motor Behavior Following ACL Reconstruction – 2021 Undergraduate Fall Academic Year Research Program (\$1,500)†
- Behavioral Dynamics of Collision Avoidance in Sport: Insights into ACL Injury Prevention – 2021 Undergraduate Summer Research and Creative Activities Program (\$3,000)†

Alyssa Jordan

- Brain to Muscle coherence Quality Between Individuals Following ACLR and Controls – 2021 Undergraduate Summer Research and Creative Activities Program (\$3,000)†

Logan Avalos

- Lower Extremity Assessment Protocol: Efficacy of Single Leg Hop Test in Determining Back to Sport Fitness – 2021 Undergraduate Spring Academic Year Research Program (\$1,500)†

Trentin Harris

- Motor Unit Behavior after Anterior Cruciate Ligament Reconstruction – 2020 Undergraduate Fall Academic Year Research Program (\$1,500)†

Nathan Vorst

- Influence of Sensory Constraints on Brain Activity and Balance Following ACLR – 2020 Undergraduate Fall Academic Year Research Program (\$1,500)†

Noah Fiala

- Use of Nordic Hamstring Exercise to Improve Hamstrings Function in Patients after ACL Reconstruction – 2019 Undergraduate Summer Research and Creative Activities Program (\$3,000)†

GRANTS NOT FUNDED (* principal investigator, † co-principal investigator/mentored, § co-investigator)

Source: Military Operational Medicine Research Program: Department of Defense (\$2,553,860)†
Title: Unilateral Strength Training to Accelerate Return to Readiness Following ACL Reconstruction (uSTARR)
Investigators: Josh Carr, PhD (PI), Matt Stock, PhD (Co-I), John Fraser, PhD, DPT (Consultant)
Role: Co-Investigator (33% effort)
Period: 2023-2026
Description: The purpose of this study is to develop a high-intensity, progressive resistance exercise program for the contralateral limb following ACLR to enhance quadriceps neuromuscular function via cross-education.

Source: University of Toledo Interdisciplinary Research Initiation Award (\$49,663)‡
 Title: Eccentric-Focused Exercise to Facilitate Hamstrings Recovery among Individuals with ACL Reconstruction: A Pilot Randomized Controlled Trial
 Investigators: Amanda Murray (Co-PI), Jacob Miller (Co-I), Michael Toland (Co-I)
 Role: Co-Principal Investigator
 Period: 2023-2024
 Description: The purpose of this study is to assess the efficacy of a robust eccentric-biased exercise program to improve hamstrings neuromuscular outcomes and high risk landing biomechanics after ACLR.

Source: National Athletic Trainers' Association – General Grant (\$50,000)*
 Title: Use of an eccentric-biased home-exercise program to facilitate hamstrings recovery in patients with ACL reconstruction
 Role: Principal Investigator
 Period: 2022
 Description: The purpose of this study is to develop an eccentric-biased home-exercise program to enhance hamstrings neuromuscular function that translates to improved patterns of knee joint loading.

Source: DeLuca Foundation: Rethink EMG Challenge – Phase II (\$29,398)†
 Title: Decoupling of cortical and motoneuron outputs in individuals with ACLR
 Student: Dave Sherman, PhD, DPT, ATC; Justin Rush, MS, ATC; Andy Murray, MS, CSCS; Moein Javan, MS
 Role: Co-Principal Investigator (Advisor)
 Period: 2022
 Description: The purpose of this study was to understand the impact of the cortico-motoneuron relationship on torque steadiness and whether that relationship may be modulated by manipulation of visual input.

Source: American College of Sports Medicine – Doctoral Grant (\$5,000)†
 Title: Neurocognitive performance and dual-task cost after anterior cruciate ligament reconstruction
 Student: Justin Rush, MS, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2022
 Description: The purpose of this study is to assess the associations between neurocognitive function and biomechanical dual-task cost of landing in patients with ACLR.

Source: Great Lakes Athletic Trainers' Association (\$6,000)†
 Title: Corticospinal excitability of the quadriceps and gluteal musculature among individuals with patellofemoral pain
 Role: Co-Principal Investigator
 Period: 2021
 Description: The purpose of this study was to assess corticospinal excitability of the knee and thigh musculature in people with PFP and determine whether it associates with clinical outcomes.

Source: Great Lakes Athletic Trainers' Association (\$2,500)†
 Title: Does isolated hamstrings fatigue enhance quadriceps neuromuscular function in patients with anterior cruciate ligament reconstruction?
 Student: Justin Rush, MS, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2020
 Description: The purpose of this study was to investigate whether fatiguing the hamstrings through exercise could induce a transient improvement in quadriceps neuromuscular function.

Source: American Academy of Sports Physical Therapy: Legacy Fund (\$10,000)†
 Title: Adaptation in quadriceps motor unit characteristics after ACL reconstruction

Student: David Sherman, DPT, PT, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2019
 Description: The purpose of this study was to investigate individual motor unit characteristics of the quadriceps after ACL reconstruction.

Source: Great Lakes Athletic Trainers' Association (\$1,450)†
 Title: Relationship between hamstrings function and co-activation at the knee during functional tasks
 Student: Samantha Smith, ATC; Ben Morse, ATC
 Role: Co-Principal Investigator (Advisor)
 Period: 2019
 Description: The purpose of this study was to investigate the relationships between (1) hamstrings-to-quadriceps strength and co-activation during gait, and (2) hamstrings stiffness and co-activation during landing tasks.

Source: National Center of Neuromodulation for Rehabilitation (\$37,279)*
 Title: Influence of transcutaneous electrical nerve stimulation on brain plasticity associated with quadriceps function in patients after ACL reconstruction
 PI: Grant Norte, PhD, ATC
 Period: 2018
 Description: NIH-supported pilot project program to investigate whether manipulation of knee joint sensation using TENS would have a subsequent influence on brain activity (invited to resubmit).

Source: Great Lakes Athletic Trainers' Association (\$5,500)*
 Title: Hamstrings neuromuscular function in patients after ACL reconstruction: a feasibility study
 PI: Grant Norte, PhD, ATC
 Period: 2017
 Description: Research to investigate hamstrings neuromuscular function in patients after ACL reconstruction, and the feasibility of a clinically applicable eccentric exercise intervention.

Source: National Center of Neuromodulation for Rehabilitation (\$37,500)*
 Title: Influence of transcutaneous electrical nerve stimulation on electrocortical brain activity in patients with osteoarthritis
 PI: Grant Norte, PhD, ATC
 Period: 2017
 Description: NIH-supported pilot project program to investigate whether manipulation of knee joint sensation using TENS would have a subsequent influence on brain activity (invited to resubmit).

Source: National Center of Neuromodulation for Rehabilitation (\$37,273)§
 Title: Effect of patterned neuromuscular stimulation on peripheral, spinal, and supraspinal modulation in individuals with patellofemoral pain
 PI: Neal Glaviano, PhD, ATC
 Role: Co-Investigator
 Period: 2017
 Description: NIH-supported pilot project program to investigate the effect of patterned neuromuscular stimulation on neuromuscular function.

Source: University of Toledo Interdisciplinary Research Initiation Award (\$51,037)*
 Title: Lower extremity assessment protocol (LEAP)
 PI: Grant Norte, PhD, ATC
 Period: 2017
 Description: The purpose of this study was to identify patients at risk for returning to active lifestyles after ACL reconstruction, and to establish normative data based on specific sub-sets of these patients.

GRANT MANAGEMENT (I study coordinator)

- Source: University of Virginia – School of Medicine, Department of Orthopaedic Surgery (\$13,590.00)¶
Title: Effect of tibial tunnel placement during ACL reconstruction on clinical outcomes
PI: Mark Miller, MD
Role: Study Coordinator
Period: 2015-2016
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: 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: David Diduch, MD
Role: Study Coordinator
Period: 2014-2016
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.
- 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: David Diduch, MD
Role: Study Coordinator
Period: 2014-2016
Description: Pre-FDA IDE trial for an implantable device to reduce medial knee joint load in those with osteoarthritis. The study included 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: David Diduch, MD
Role: Study Coordinator
Period: 2014-2016
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: Study Coordinator
Period: 2014-2016
Description: Sponsor-initiated post-market outcomes study for patients treated with DeNovo NT.
- 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: Joseph Hart, PhD, ATC; David Diduch, MD
Role: Study Coordinator
Period: 2014-2016
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: Craig Meyer, PhD; Sylvia Blemker, PhD; Mark Abel, MD; Joseph Hart, PhD, ATC
Role: Study Coordinator
Period: 2014-2016
Description: Technology development grant for MRI muscle modeling in patients.

COMPETITIVE WORKSHOPS & COLLABORATION

1. Equity Champion Department Cohort Liaison. University of Toledo, Toledo, OH. August 2022-December 2022.
2. Equity Champion – Student Experience Project (SEP). The SEP is a collaborative of university leaders, faculty, researchers and national education organizations committed to innovative, research-based practices to increase degree attainment by building equitable learning environments and fostering a sense of belonging on campus. University of Toledo, Toledo, OH. January 2022-Present.
3. Participant – Blended Course Design Workshop. This 2-week course is designed to work collaboratively with University faculty to develop hybrid (online-in person) learning courses. University of Toledo, Toledo, OH. June 2020.
4. Participant – Faculty-Doctoral Student Retreat. Faculty and doctoral students from Michigan State University, University of Wisconsin, and University of Toledo completed a 3-day structured retreat with the intent to foster professional development in the area of grant writing. Caseville, MI. August 2019 (*invitation only*).
5. Participant – National Center of Adaptive Neurotechnologies (NCAN). This comprehensive 3-week course is funded by the NIH, and provides scientists, engineers, and clinicians with the multidisciplinary knowledge and expertise needed to guide the development of new adaptive neurotechnologies from conception through laboratory and clinical evaluation, to dissemination and use for important scientific or clinical purpose. Albany, NY. July 2019 (*competitive application*).
6. Participant – University of Toledo Leadership Institute. This year-long course is designed to provide participants with broad perspectives and knowledge of higher education, leadership and careers paths. Discussions address a range of issues, such as the administrative structure of higher education, leadership styles, critical issues facing administrators, funding, diversity and inclusion. May 2019-May 2020 (*competitive application*).
7. Coordinator – I facilitated a 1-week trip to foster local and international research collaborations between Dr. Jochen Baumeister (Paderborn University, Germany), Dr. Dustin Grooms (Ohio University), and Dr. Greg Myer (Cincinnati Children’s Hospital). March 2019.
8. Participant – United States Bone and Joint Initiative (USBJI), Young Investigator Initiative, Grant Mentoring and Career Development Program. Workshop 1: Chicago, IL. April 2018. Mentored by Dorothy Dunlop, PhD (Northwestern University) and Nancy Baker, ScD, MPH, OTR/L (University of Pittsburgh). Workshop 2: Toronto, ON. October 2019. Mentored by Brian Noehren, PT, PhD, FACSM (University of Kentucky) and Lauren Beupre, PT, PhD (University of Alberta) (*competitive application*).
9. Participant – Scholars Institute Program. This program is designed to help faculty members identify sources of funding, prepare and submit research proposals that meet various agency and foundation requirements, comply with federal, state, and University policy, and to improve upon grantsmanship. University of Toledo, Toledo, OH. March 2018 (*competitive application*).

10. Participant – National Center of Neuromodulation for Rehabilitation (NC NM4R) Level I Workshop. This is an NIH funded program to develop an understanding of the mechanisms and use of brain stimulation and operant conditioning of brain and spinal cord networks integrated with rehabilitation principles. Medical University of South Carolina, Charleston, SC. October 2017 (*competitive application*).
11. Participant – Course Design Institute. This program is designed to guide and support faculty with the integration of best practices in teaching and evaluation to ultimately improve students' success and retention. University of Toledo, Toledo, OH. May 2017 (*competitive application*).
12. Participant – First Annual International Electroencephalography (EEG) Workshop. University of Flensburg, Flensburg, Germany. May 2017 (*invitation only*).

DISSERTATION COMMITTEES (* chair, † committee member)

1. Garcia M, Murray AM, **Norte GE**, Heiderscheid B, Kraus E, Bazett-Jones D. Topic: Cadence manipulation in high school cross-country runners (Graduated May 2023)†
2. Zambarano E, Bazett-Jones D, **Norte GE**, Glaviano NR, Mangum LC, Murray AM. Topic: Intervention program focused on how the lumbopelvic-hip complex impacts various measures of stability and biomechanics of the trunk and lower extremity (Graduated Summer 2023)†
3. Rush J, Murray AM, Bazett-Jones D, Burland J, Grooms DR, **Norte GE**. Topic: Neurocognition and landing biomechanics among individuals with ACL reconstruction (Graduated Summer 2023)*
4. Sherman DA, Bazett-Jones D, Murray AM, Baumeister J, Stock M, **Norte GE**. Topic: Brain activity and motor performance among individuals with ACL reconstruction (Graduated May 2022)*
5. Duckett R, **Norte GE**, Paprzycki P, Hart JM, Fox C. Topic: Rasch analysis of commonly used patient-reported outcomes among individuals with ACL reconstruction (4th year)†
6. Sadeqi S, Murray AM, **Norte GE**, Bhaduri S, Ayan A, Goel V. Topic: Effect of whole-body biomechanics on ACL strain and knee joint loads and stresses during single-leg cross drop and single-leg landing from a jump (Graduated May 2022)†
7. Takeno K, Ingersoll CD, Glaviano NR, Khudar S, **Norte GE**. Topic: Upper extremity neuromuscular function following glenohumeral labral repair (Graduated July 2020)*

THESIS COMMITTEES (* chair, † committee member, ‡ doctoral student advisor)

Class of 2021-2023

1. Smith E, Sherman DA, Murray A, Bazett-Jones DM, **Norte GE**. Test-retest reliability and visual reliance during two novel reactive agility tasks in healthy individuals*
2. Burke H, Murray A, Bazett-Jones DM, Sherman DA, **Norte GE**. Eccentric hamstrings strength between sexes and physical activity levels among healthy college-aged individuals*
3. Volz A, Rush JL, Murray AM, Bazett-Jones DM, **Norte GE**. The relationship between psychological factors and landing biomechanics among individuals with ACL reconstruction*
4. McWethy M, Rush JL, Murray AM, Bazett-Jones DM, **Norte GE**. Cognitive-motor dual-task performance of the landing error scoring system: a clinical model*

Class of 2020-2022

5. Young K, Rush JL, Bazett-Jones D, Lepley AS, **Norte GE**. Intersession reliability of quadriceps corticospinal excitability: a functional TMS study*
6. Fernandez C, Sherman DA, Bazett-Jones D, Murray AM, Schwab S, Gokeler A, **Norte GE**. Interpersonal collision avoidance task: a dynamic measurement of sport*
7. Nicholson E, Rush JL, Murray AM, Bazett-Jones D, Grooms D, **Norte GE**. Does Cognitive or Motor Brain Function Associate with the Biomechanical Dual-Cost during Double-Limb Landing?*
8. Anderson M, Sherman DA, Murray AM, Bazett-Jones D, **Norte GE**. Efficacy and Feasibility of an Eccentric-Biased Home Exercise Program on Hamstrings Strength*

9. Sebastian N, **Norte GE**, Bazett-Jones D. The Effects of Transitioning Between Surface Types on Impact Loading During Running†
10. Bachand R, **Norte GE**, Bazett-Jones D. Adolescent Long-Distance Runners' Perceptions of Factors that Contribute to Running-Related Injuries†
11. Morales J, **Norte GE**, Bazett-Jones D. Biomechanical Changes in Adolescent Long-Distance Runners During an Exhaustive Run†

Class of 2019-2021

12. Evangelista F, Rush JL, Bazett-Jones D, Glaviano NR, Ingersoll CD, **Norte GE**. Influence of focal knee joint cooling on quadriceps neuromuscular function*
13. Duncan S, Sherman DA, Bazett-Jones D, Grooms DR, **Norte GE**. Test-retest reliability and influence of visual constraint during two novel reactive-agility tasks*
14. Walker H, Takeno K, Ingersoll CD, Bazett-Jones D, **Norte GE**. The influence of arm position on spinal-reflexive excitability of the flexor carpi ulnaris in healthy males*
15. Hoskins D, **Norte GE**, de Oliveira Silva D, Bazett-Jones D, Glaviano NR. The relationship between fear avoidance beliefs, visuomotor response, and movement patterns in women with patellofemoral pain†
16. Fernholz S, **Norte GE**, Bazett-Jones D, Glaviano NR. Can gluteal muscle activity discriminate females with and without patellofemoral pain?†
17. Rachid Z, **Norte GE**, Bazett-Jones D. Reliability and Validity of Different Handheld Dynamometry Techniques when Measuring Hip Muscle Strength and Power
18. Peot R, **Norte GE**, Bazett-Jones D. Comparison of Different Cameras and Software for the Assessment of Kinematics with 2-dimensional Video Analysis
19. Lefevre B, **Norte GE**, Bazett-Jones D. Lower-Extremity Flexibility and Balance Among Sexes and Stages of Maturation in Youth Long Distance Runners
20. Stout B, **Norte GE**, Bazett-Jones D. Differences in Lower Extremity Strength Among Sexes and Maturation Levels in Youth Long-Distance Runners

Class of 2018-2020

21. Morse B, Blackburn JT, Murray AM, Bazett-Jones D, Glaviano NR, **Norte GE**. Relationship between hamstrings musculotendinous stiffness and agonist-antagonist co-activation at the knee during landing tasks*
22. Smith S, Glaviano NR, Bouillon L, Bazett-Jones D, **Norte GE**. Relationship between sex, hamstrings-to-quadriceps strength ratio, and agonist-antagonist co-activation at the knee during walking and jogging*
23. Chaltron C, Sherman DA, Pamukoff D, Bazett-Jones D, Glaviano NR, **Norte GE**. Immediate effects of whole body vibration on hamstrings neuromuscular function in healthy individuals*
24. Lussow K, **Norte GE**, Glaviano NR, Bazett-Jones D. Does extrinsic or intrinsic feedback change dynamic knee valgus during a single leg squat?†
25. Webb M, **Norte GE**, Bazett-Jones D, Ingersoll CD, Glaviano NR. Relationship of gluteal muscle activity and frontal plane kinematics in females with and without patellofemoral pain†
26. Jacobson J, Bazett-Jones D, **Norte GE**, Glaviano NR. Shoulder muscle activation before and after a lumbopelvic-hip complex fatigue protocol†

Class of 2017-2019

27. Westdorp C, Ingersoll CD, Glaviano NR, **Norte GE**. Influence of focal joint cooling on quadriceps neuromechanical function in patients with central activation failure*
28. Walker J, Glaviano NR, Lepley L, Murray AM, **Norte GE**. Influence of Nordic hamstring exercise on hamstrings function in patients after ACL reconstruction*
29. Loew E, Takeno K, Ingersoll CD, Glaviano NR, **Norte GE**. Motoneuron pool excitability of the flexor carpi ulnaris at different levels of elbow stretch*
30. Gregoire M, Glaviano NR, Bouillon L, **Norte GE**. Relationship between isokinetic hamstrings-to-quadriceps strength ratio and hamstrings-to-quadriceps co-activation during walking gait*

31. Frymier A, Murray AM, **Norte GE**, Bouillon L, Glaviano NR. The effect of trunk positioning on quadriceps and gluteal activation during running†
32. Kingston B, Murray AM, **Norte GE**, Glaviano NR. Reliability and validity of 2D and 3D biomechanics in females with patellofemoral pain†
33. Melillo J, **Norte GE**, Glaviano NR. Influence of muscle motor point identification on quadriceps function following neuromuscular electrical stimulation†
34. Zambarano E, Bouillon L, **Norte GE**, Glaviano NR. Relationship between lumbo-pelvic-hip complex muscle activation and lower limb biomechanics during functional tasks before and after fatigue†
35. Mitchell A, **Norte GE**, Quintero M, Rosehart S, Wolf Odland K. Immediate and short-term effects of mulligan concept mobilizations with movement on pain and disability associated with acute lateral ankle sprains. University of South Carolina†

Class of 2016-2018

36. Scheurer S, Glaviano NR, Ingersoll CD, **Norte GE**. Relationship between corticomotor excitability and quadriceps neuromuscular function in patients following ACL reconstruction*
37. 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*
38. 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*
39. Haines M, Glaviano NR, Murray AM, **Norte GE**. Ankle bracing as a mediator of the influence of attentional foci on landing mechanics in healthy women*
40. Gilfeather D, **Norte GE**, Ingersoll CD, Glaviano NR. Central activation ratio with a superimposed burst technique to assess muscle activation of the gluteus medius and gluteus maximus†
41. Springer A, **Norte GE**, Murray AM, Glaviano NR. Effect of sensory biofeedback stimulus on lower extremity kinematics in female with patellofemoral pain†
42. Robinson M, **Norte GE**, Murray AM, Glaviano NR. Effect of functional electrical stimulation applied to the gluteus medius during resistance training†
43. Kossin E, **Norte GE**, Bouillon L, Glaviano NR. Influence of playing surface on muscle activation and force distribution in collegiate football players†

Class of 2015-2017

44. Frendt T, Donovan L, Armstrong C, McLoughlin T, **Norte GE**. Influence of anticipation and dual-tasking on cutting biomechanics in healthy males*
45. Lipinski C, Donovan L, Armstrong C, McLoughlin T, **Norte GE**. Surface electromyography of the forearm musculature during a throwing progression*
46. Rowe A, Donovan L, Armstrong C, **Norte GE**. Influence of ankle bracing on lower extremity muscle activation during a stop-jump task*
47. Henderson N, Donovan L, Armstrong C, **Norte GE**. Influence of ankle bracing on lower extremity kinematics during a stop-jump task*
48. Reynolds T, **Norte GE**, Armstrong C, McLoughlin T, Wambold S. Core muscle activation as it pertains to unstable resistance training†

Class of 2015-2016

49. Solaas H, **Norte GE**, Saliba SA, Hart JM. Physical activity influences the relationship between lower extremity function and fear of movement after ACL reconstruction||
50. Donner C, **Norte GE**, Resch J, Hart JM. Performance tracking over a single season in male collegiate soccer players||

Class of 2014-2015

51. McMillin M, **Norte GE**, Hertel J, Hart JM. Quadriceps function in acl reconstructed patients with and without a history of knee osteoarthritis
52. Williamson C, **Norte GE**, Broshek D, Hart JM, Resch J. Return-to-learn following sport concussion: a survey of secondary school and collegiate athletic trainers

Class of 2013-2014

53. Meyer J, **Norte GE**, Hertel J, Hart JM. Quadriceps neuromuscular function in patients with clinically diagnosed chondromalacia patellae
54. Richbourg C, **Norte GE**, Hart JM, Park J, Hertel J. Strength and functional measures in patients with posterior tibial tendon dysfunction

Class of 2012-2013

55. Wintringham D, **Norte GE**, Hart JM, Park J, Hertel J. Strength and functional measures in patients with posterior tibial tendon dysfunction
56. Mitha Z, Kuenze CM, **Norte GE**, Read K, Handsfield G, Blemker SS, Hertel J, Hart JM. Lower extremity muscle volumes in ACL deficient patients

UNDERGRADUATE STUDENT RESEARCH SUPERVISOR

- Peyton Elliott – College of Natural Science and Mathematics; University of Toledo 2022-2023
 - Funded by 2023 Undergraduate Spring Annual Year Research Program
- Sanjana Nath – College of Engineering; University of Toledo 2021-2022
- Alex Varada – College of Engineering; University of Toledo 2020-2022
 - Completed Fall 2021 Co-op as MAIN lab research assistant
 - Funded by 2021 Undergraduate Fall Annual Year Research Program
 - Funded by 2021 Undergraduate Summer Research and Creative Activities Program
- Alyssa Jordan – College of Health and Human Services; University of Toledo 2020-2022
 - Funded by 2021 Undergraduate Summer Research and Creative Activities Program
- Logan Avalos – College of Health and Human Services; University of Toledo 2020-2021
 - Funded by 2021 Undergraduate Spring Annual Year Research Program
- Trentin Harris – College of Health and Human Services; University of Toledo 2020-2021
 - Funded by 2020 Undergraduate Fall Annual Year Research Program
- Nathan Vorst – College of Health and Human Services; University of Toledo 2019-2021
 - Funded by 2020 Undergraduate Fall Annual Year Research Program
- Noah Fiala – College of Natural Science and Mathematics; University of Toledo 2018-2020
 - Funded by 2019 Undergraduate Summer Research and Creative Activities Program

HONORS AND AWARDS

- University of Toledo “Shout-Out” for Innovative Instructor and Staff 2022
- University of Toledo Outstanding Graduate Student Teaching Nominee 2022
- University of Toledo Outstanding Advisor Award Nominee 2022
- University of Toledo Dean’s Award for Outstanding Researcher 2019
- GLATA Oral Presentation Outstanding Free Communication Presentation Award 2019
- University of Toledo Outstanding Advisor Award Nominee 2019
- NATA Doctoral Oral Award Finalist 2018
- ACSM Biomechanics Interest Group Student Research Award 2015
- NATA Research and Education Foundation Scholarship 2014
- Elsie Hughes Cabell Scholarship 2014
- Nominated for Dolores Zohrab Liebmann Fellowship 2013
- Finalist for Masters Student Poster Presentation Award 2010

- McCue Society membership

2009-Present

PROFESSIONAL SERVICE AND LEADERSHIP

University of Toledo

- Director, PhD in Exercise Science 2022-2023
- Member, Faculty Senate (elected) 2022-2023
- Chair, Department Personnel Committee (elected) 2022-2023
- Committee Member, School Personnel Committee (Tenure and Promotion Review) 2021-2022
- Coordinator, Advanced Practice Continuing Education 2020-2023
- Advisor-Mentor, MAIN Human Undergraduate Biomechanics Student Organization 2020-2022
- At-Large Member, College Council 2020-2022
 - Tenure-track faculty working group 2020-2022
 - Elaborations for promotion and tenure working group 2021-2022
- Chair, Undergraduate School Curriculum Tracking Committee 2019-2023
- Committee Member, Student Academic Grievance 2017-2023
- Committee Member, Exercise Science Faculty Search 2018-2019
- Committee Member, Athletic Training Faculty Search 2017-2018

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, Kinesiology Representative 2013-2015

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

- *Ad hoc* scientist reviewer, US Department of Defense Congressionally Directed Research Programs Peer Reviewed Orthopedic Research Award Clinical Trial 1 peer review panel 2022-Present
- Member, GLATA Research Assistance Committee 2022-2023
- Member, NATA Faculty Mentor Program Committee 2022-Present
- Moderator, NATA Annual Meeting, Las Vegas, NV 2019
- Reviewer, NATA Annual Meeting Program Proposals 2018-Present
- Reviewer, NATA Research and Education Foundation Grants 2018-Present
- Moderator, NATA Annual Meeting, New Orleans, LA 2018
- Moderator, NATA Annual Meeting, Houston, TX 2017
- Mentee, NATA Foundation Research Faculty Mentor Program 2017-2018
 - Mentor: J. Troy Blackburn, PhD, ATC (UNC Chapel Hill)
- Reviewer, GLATA Free Communications Abstracts 2016-2023
- Athletic Trainers' Osteoarthritis Consortium 2015-Present
 - Resources to Raise Awareness of Osteoarthritis Working Group
 - Neural and Muscle Function Steering Committee 2022-Present
- Moderator, NATA Annual Meeting, Indianapolis, IN 2014
- Moderator, NATA Annual Meeting, Las Vegas, NV 2013

- NATA Annual Meeting Workshop Assistant – Kinesio Tape 2009
- NATA Annual Meeting Career Center Volunteer 2007

Scholarly Service

- Editorial Board (Review Editor)
 - Frontiers in Sports and Active Living: Injury Prevention and Rehabilitation Section 2020-Present
 - Frontiers in Human Neuroscience: Motor Neuroscience Section 2021-Present

Ad hoc Manuscript Reviewer

1. Sports Medicine 2020-Present
2. Medicine & Science in Sports & Exercise 2020-Present
3. BMC Musculoskeletal Disorders 2020-Present
4. NeuroImage: Clinical 2019-Present
5. Journal of Orthopaedic Research 2019-Present
6. Journal of Sports Science and Medicine 2019-Present
7. Clinical Biomechanics 2019-Present
8. Experimental Brain Research 2019-Present
9. Physical Therapy in Sport 2018-Present
10. American Journal of Sports Medicine 2017-Present
11. Clinical Rehabilitation 2017-Present
12. Measurement in Physical Education and Exercise Science 2017-Present
13. Journal of Science and Medicine in Sport 2017-Present
14. Archives of Physical Medicine and Rehabilitation 2016-Present
15. Scandinavian Journal of Medicine and Science in Sports 2016-Present
16. Medical Research Archives 2015-Present
17. PLOS ONE 2015-Present
18. International Journal of Athletic Therapy and Training 2013-Present
19. Journal of Sport Rehabilitation 2011-Present
20. Athletic Training and Sports Health Care 2011-Present
21. Orthopaedics 2011-Present
22. Journal of Athletic Training 2010-Present
23. Sports Health: A Multidisciplinary Approach 2010-Present

Board of Certification Volunteer

- Evidence-Based Practice Review Panelist 2014-2022

Community Service

- High School Boarding Program Resident 2014-2016
- United Way Day of Caring 2014
- CPR and First Aid Instruction: University of Virginia 2012-2016
- CPR and First Aid Instruction: SUNY New Paltz 2010-2012
- Vail Valley Highway Clean Up 2010
- Boy Scout educational casting session – Steadman Clinic 2010
- Dew Tour Winter Game Medical Coverage 2010
- CPR and First Aid Instruction: Steadman Clinic 2009-2010
- Vail Recreation District Medical Coverage 2009-2010

PROFESSIONAL ORGANIZATIONS/ CERTIFICATIONS

- National Athletic Trainers' Association
 - Member #: 25704 2006-Present
 - Certification #: 060802072 2008-Present
- Red Cross CPR/AED for the Professional Rescuer Instructor

- Instructor #: 6782361 2008-2022
- Nationally Registered Emergency Medical Technician - Basic
 - Registry #: B1883793 2008-2010
- National Strength and Conditioning Association
 - Member #: 09-03-27-027 2009-2021
 - Certification #: 200938842 2009-2021
- National Provider Identifier
 - Provider #: 1023259678 2009-Present
- National Board for Certification of Orthopaedic Technologists
 - Certification #: 10-0616 2010-2018
- Sports Medicine Research (SMR): In the Lab & In the Field 2014-Present
- American College of Sports Medicine
 - Member #: 755641 2015-Present
- Athletic Trainers' Osteoarthritis Consortium 2015-Present
- Ohio State Licensure 2016-Present
 - License #: AT005103
- Ohio Athletic Trainers' Association 2016-2023
- Great Lakes Athletic Trainers' Association 2016-2023
- National Center of Neuromodulation for Rehabilitation 2017-Present
 - Operant Conditioning Special Interest Group