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Charlottesville, VA 22903
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ACADEMIC WORK EXPERIENCE

2022- Associate Professor with Tenure, Department of Kinesiology, School of Education and Human Development, University of Virginia, Charlottesville, VA

2024- Associate Professor (by courtesy), Department of Orthopaedic Surgery, School of Medicine, University of Virginia, Charlottesville, VA

2021-2022 Associate Professor with Tenure, Department of Kinesiology, Michigan State University, East Lansing, MI

2019-2022 Clinical Assistant Professor, Department of Orthopaedics, Michigan State University, East Lansing, MI

2015-2021 Assistant Professor, Department of Kinesiology, Michigan State University, East Lansing, MI
Post-professional Graduate Athletic Training Program Director

2013-2015 Assistant Professor, Department of Exercise and Sport Sciences, University of Miami, Coral Gables, FL

2009-2013 Graduate Research Assistant, Department of Orthopaedics, University of Virginia, Charlottesville, VA

2007-2009 Graduate Assistant Athletic Trainer, University of North Carolina, Chapel Hill, NC

RELATED WORK EXPERIENCE

2022- Data Analyst (consultant), Inova Sports Medicine, Fairfax, VA

EDUCATION

University of Virginia, Charlottesville, VA. Doctor of Philosophy (2013)
School of Education and Human Development, Department of Human Services
Program: Sports Medicine
Dissertation: Lower Extremity Function in Active Individuals following ACL Reconstruction

University of North Carolina, Chapel Hill, NC, Master of Arts (2009)
College of Arts and Sciences, Department of Exercise and Sports Science
Program: Athletic Training
Thesis: The Effects of Functional Ankle Instability and Induced Fatigue on Ankle Stiffness

Boston University, Boston, MA, Bachelor of Science (2007)
Sargent College of Health and Rehabilitation, Department of Athletic Training
Program: Athletic Training
Minor: Biology

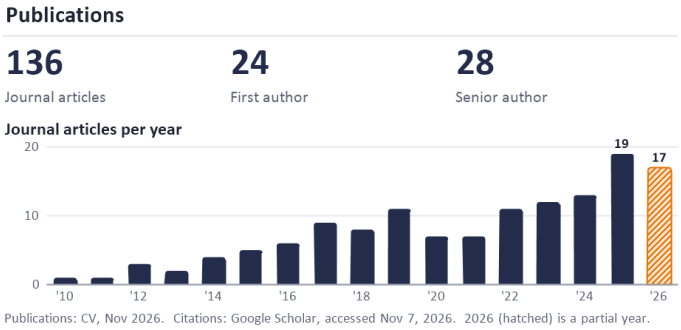
RESEARCH PROGRAMS AND INFRASTRUCTURE

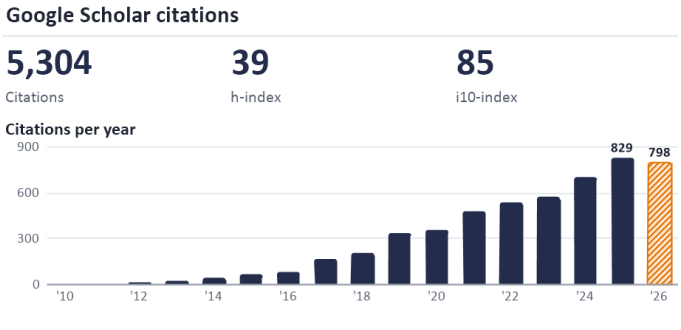
ACL Reconstruction Rehabilitation Outcomes Workgroup (ARROW): Founder and Director, 2023-present

- **Scope.** UVA-based 15-site national registry of return-to-sport testing data from more than 4,000 patients after ACL reconstruction.
- **Member sites.** UVA, Arkansas Children's, Boston Children's, Children's Health Andrews Institute, Children's Hospital of Philadelphia, Connecticut Children's, Creighton, Florida International, Inova, Michigan State, Nicklaus Children's, Scottish Rite for Children, Seattle Children's, Missouri, and UNC Chapel Hill.
- **Products.** Dashboard for ACL Rehabilitation Testing, a free clinician tool built with the UVA School of Data Science.
- **Productivity.** 6 published manuscripts, 9 accepted, submitted, or in development, and 20 conference abstracts (2023-2026).

Sports Performance Rehabilitation Integrating Neuromuscular Training (SPRINT) Program: Founder and Director, 2024-present

- **Scope.** Extended-care return-to-sport program for high school and college-aged athletes 7 or more months after ACL reconstruction who have finished formal physical therapy. Now serving its ninth cohort.
- **Partners.** UVA Kinesiology, Orthopaedic Surgery, and UVA Therapy.
- **Program.** Pre-program testing, eight weekly 75-minute group sessions led by physical therapists with home programs, and post-program testing (LEAP+).
- **Funding.** Jefferson Trust ($120,000, 2024-2026), now sustained by participant fees with a financial-need fund.





PUBLISHED MANUSCRIPTS

*† Trainee author (student mentored by Dr. Kuenze at the time of the work). * Dr. Kuenze is senior (last) author. ‡ Dr. Kuenze contributed as a member of a group author (ARROW or ATOAC). These markers apply to all publication and presentation lists. Cited by = Google Scholar citations as of November 2026. JIF = 2025 Journal Impact Factor (Clarivate Journal Citation Reports); NA = journal has no JIF.*

136. **Kuenze C**, Butler LS, Weaver AP, Prati VV, Chang ES, Walaszek MC†, Ellis HB, Moler C†, Wilson P, Desai A, Farrukh S, Ulman S; ACL Reconstruction Rehabilitation Outcomes Workgroup. Time to Return-to-Sport Clearance After ACL Reconstruction in Adolescents Increased Over the Past Decade: An Analysis of the ARROW Registry. Orthop J Sports Med. 2026 Nov 11;14(11):23259671261486965. doi: 10.1177/23259671261486965. *Cited by 0 | JIF 2.9*

135. Murphy T, Lyons L, Mertz-Bynum N, Lugin A, Harkey MS, **Kuenze C**, Baez S, Myer GD, Diekfuss J, Petushek E. Determinants of Psychological Readiness to Return to Sport After Anterior Cruciate Ligament Reconstruction. J Athl Train. 2026 Oct 7;61(10):668-674. doi: 10.4085/1062-6050-0696.25. PMID: 42852171; PMCID: PMC13649313. *Cited by 0 | JIF 2.6*

134. Hymes RA, Rodkey DL, Schulman MA, **Kuenze C**, Schulman JE, Broome JN, Payne SL, Gaski GE. Current Procedural Terminology Codes Combined With Hip and Femur Diagnosis-Related Groups Provide a More Accurate Assessment of Costs. Adv Orthop. 2026 Aug 28;2026:5644038. doi: 10.1155/aort/5644038. PMID: 42666791; PMCID: PMC13523068. *Cited by 0 | JIF 1.5*

133. Athletic Trainers' Osteoarthritis Consortium‡. Consensus Recommendations for Common Data Elements in Osteoarthritis and Posttraumatic Osteoarthritis Research From the ATOAC: Part III-Imaging and Biomarkers. J Appl Biomech. 2026 Jul 25:1-8. doi: 10.1123/jab.2025-0131. Epub ahead of print. PMID: 42501978. *Cited by 0 | JIF 1.6*

132. Athletic Trainers' Osteoarthritis Consortium‡. Consensus Recommendations for Common Data Elements in Osteoarthritis and Posttraumatic Osteoarthritis Research From the ATOAC: Part II-Biomechanics and Neural Function. J Appl Biomech. 2026 Jul 25:1-13. doi: 10.1123/jab.2025-0130. Epub ahead of print. PMID: 42501977. *Cited by 0 | JIF 1.6*

131. Athletic Trainers' Osteoarthritis Consortium‡. Consensus Recommendations for Common Data Elements in Osteoarthritis and Posttraumatic Osteoarthritis Research From the ATOAC: Part I-Physical Activity and Patient-Reported Outcomes. J Appl Biomech. 2026 Jul 23:1-8. doi: 10.1123/jab.2025-0129. Epub ahead of print. PMID: 42498274. *Cited by 0 | JIF 1.6*

130. Weaver AP, Baez SE, Rodu JS, **Kuenze C***. Examining longitudinal changes in physical activity from 6 to 9 months after adolescent ACL reconstruction using the ACL Reasons survey. Phys Ther Sport. 2026 Jul;80:101939. doi: 10.1016/j.ptsp.2026.101939. Epub 2026 May 28. PMID: 42224958. *Cited by 0 | JIF 2.3*

129. Xu J, Hertel J, **Kuenze C,** Jaffri AH, Saliba SA. The effects of performing therapeutic exercises and wearing minimalist shoes on intrinsic foot muscle function and single-leg balance in adults with plantar fasciopathy. Clin Biomech (Bristol). 2026 Jul;137:106869. doi: 10.1016/j.clinbiomech.2026.106869. Epub 2026 May 9. PMID: 42155155. *Cited by 0 | JIF 1.8*

128. Impastato K, **Kuenze C**, Madrak E. Considerations for Physical Activity in Women Currently Enrolled in Higher Education. Women Sport Phys Act J. 2026;34(1). doi: 10.1123/wspaj.2025-0125. Epub 2026 Jul 15. *Cited by 0 | JIF 1.9*

127. Thompson XD, Bruce Leicht AS, Resch JE, **Kuenze C**, Brockmeier SF, Carpenter L, Lee D, Gandhi S, Almario AN, Hart J. The Torque-Velocity Relationship and Second ACL Injury Risk. J Athl Train. 2026 Jul 7;61(7):471-476. doi: 10.4085/1062-6050-0217.25. PMID: 42453593; PMCID: PMC13366556. *Cited by 1 | JIF 2.6*

126. Marmura H, Spang J; ARROW Group‡; Baez SE; Anterior Cruciate Ligament Reconstruction Rehabilitation Outcomes Workgroup; Roman DP, Ulman S, Butler L, Walker C, Douthit T, **Kuenze CM**, Prati VV, Sachleben B, Phan L, LaPlante S, Pace L, Cage D, Roaten J, Abt J, Loveland D, Greenberg E, Link M, Ganley T, Weaver A, Giampetruzzi N, Farmer B, Grindstaff TL, Chang E, Cherelstein R, Grozier CD, Harkey M, Parmar A, Tolzman J, Martinez A, Landers J, Rucinski K, Harrison C, DeFroda S, Ma R, Kupperman N, Thompson X, Walaszek M†, Cross K, Reiche E, Brinkman C, Birchmeier T, Hart JM, Baez S. Psychological and Physical Readiness Profiles for Return to Sport in Patients After Anterior Cruciate Ligament Reconstruction: An Analysis of 822 Patients. Orthop J Sports Med. 2026 Jun 26;14(6):23259671261436441. doi: 10.1177/23259671261436441. PMID: 42367307; PMCID: PMC13309660. *Cited by 2 | JIF 2.9*

125. Cherelstein RE, **Kuenze CM**, Walaszek MC†, Brumfield ER, Lewis JN, Moler C†, Cross K, Chang ES. A Graft Source Comparison of Changes in Walking Gait After Anterior Cruciate Ligament Reconstruction Using Force-Sensing Insoles. J Athl Train. 2026 Jun 3;61(6):384-391. doi: 10.4085/1062-6050-0245.25. PMID: 42245138; PMCID: PMC13233073. *Cited by 0 | JIF 2.6*

124. Genoese FM, Harkey MS, **Kuenze C**, Baez SE. Association of Self-Reported Anxiety and Depression Symptoms with Knee Pain Severity in Individuals with Anterior Cruciate Ligament Reconstruction. Orthop J Sports Med. 2026 Jun 2;14(6):23259671261444340. doi: 10.1177/23259671261444340. PMID: 42245382; PMCID: PMC13231036. *Cited by 0 | JIF 2.9*

123. Thompson XD, Resch JE, **Kuenze C**, Brockmeier SF, Hart J. Torque-Velocity is Associated With Voluntary Activation and Corticospinal Excitability in Healthy Knees, but Not Following Anterior Cruciate Ligament Reconstruction. J Sport Rehabil. 2026 Mar 3;35(6):491-496. doi: 10.1123/jsr.2025-0237. PMID: 41780516. *Cited by 1 | JIF 1.7*

122. Weaver AP, Butler LS, **Kuenze C**[*]. From Challenges to Change: Overcoming Hurdles to Clinician Driven Research. Int J Sports Phys Ther. 2026 Mar 1;21(3):324-332. doi: 10.26603/001c.156109. PMID: 41777441; PMCID: PMC12952938. *Cited by 0 | JIF 2.4*

121. Thiru SS, Feeley SM, **Kuenze CM**, Rawat U, Chang ES. 3D ZTE MRI Versus 3D CT for Measurement of Glenoid Bone Loss: An Analysis of Agreement, Accuracy, and Cost Comparison. Orthop J Sports Med. 2026 Jan 29;14(1):23259671251407332. doi: 10.1177/23259671251407332. PMID: 41625505; PMCID: PMC12855769. *Cited by 2 | JIF 2.9*

120. Thompson XD, Bruce Leicht AS, Resch JE, **Kuenze C**, Brockmeier SF, Diduch DR, Miller MD, Gwathmey FW, Werner BC, Hart JM. The Clinical Utility of Strength Measures in Predicting Patient Progression Following ACLR. Orthop J Sports Med. 2026 Jan 8;14(1):23259671251400776. doi: 10.1177/23259671251400776. PMID: 41522456; PMCID: PMC12783546. *Cited by 1 | JIF 2.9*

119. Feeley SM, Ogg RA, Cherelstein RE, **Kuenze CM**, Chang ES. Posterior Tibial Slope and High-Severity Meniscal Tears With Anterior Cruciate Ligament Injury. Orthop J Sports Med. 2025 Nov 21;13(11):23259671251385223. doi: 10.1177/23259671251385223. PMID: 41281461; PMCID: PMC12639202. *Cited by 0 | JIF 2.9*

118. Grozier CD, Genoese F, Collins K[†], Parmar A, Tolzman J, **Kuenze C**, Harkey MS. Knee Effusion-Synovitis Is Not Associated With Self-Reported Knee Pain in Division I Female Athletes. Sports Health. 2025 Nov;17(6):1159-1165. doi: 10.1177/19417381251323902. Epub 2025 Mar 27. PMID: 40145574; PMCID: PMC11951132. *Cited by 3 | JIF 3.1*

117. Butler L, Baez S, Walker C, Roman D, Douthit T, **Kuenze C**, Ulman S; ARROW. The relationship between psychological readiness to return to sport and kinesiophobia in teens and young adults after anterior cruciate ligament reconstruction. Front Psychol. 2025 Oct 10;16:1623398. doi: 10.3389/fpsyg.2025.1623398. PMID: 41143025; PMCID: PMC12549314. *Cited by 13 | JIF 3.8*

116. Feeley SM, Dawood R, Sharma P, Mwendwa JM, **Kuenze CM**, Chang ES, Bryant BJ. Biointegrative Fixation for Tibial Tubercle Osteotomy Is Effective and May Lower Removal Rate. Arthrosc Sports Med Rehabil. 2025 Sep 24;7(6):101267. doi: 10.1016/j.asmr.2025.101267. PMID: 41541523; PMCID: PMC12800851. *Cited by 1 | JIF NA*

115. Petushek E, Harkey MS, Santiago K, Stamm A, Baez S, Diekfuss JA, Myer GD, **Kuenze C**[*]. Biopsychosocial profiles following ACL reconstruction: A latent class analysis of barriers to return-to-activity. Phys Ther Sport. 2025;75:144-150. doi: 10.1016/j.ptsp.2025.08.004. Epub 2025 Aug 13. PMID: 40850152; PMCID: PMC12710663. *Cited by 6 | JIF 2.3*

114. Roman DP, Ulman S, Butler L, Walker C, Douthit T, **Kuenze CM**, Prati VV, Sachleben B, Phan L, LaPlante S, Pace L, Cage D, Roaten J, Abt J, Loveland D, Greenberg E, Link M, Ganley T, Weaver A, Giampetruzzi N, Farmer B, Grindstaff TL, Chang E, Cherelstein R, Grozier CD, Harkey M, Parmar A, Tolzman J, Martinez A, Landers J, Rucinski K, Harrison C, DeFroda S, Ma R, Kupperman N, Thompson X, Walaszek M[†], Cross K, Reiche E, Brinkman C, Birchmeier T, Hart JM, Baez S. Age and Sex Differences in Anterior Cruciate Ligament-Return to Sport after Injury Subscale Scores of Emotion, Risk Appraisal, and Confidence After ACL Reconstruction. Orthop J Sports Med. 2025 Jul 17;13(7):23259671251356273. doi: 10.1177/23259671251356273. PMID: 40687702; PMCID: PMC12276498. *Cited by 8 | JIF 2.9*

113. Lee H, Ambrose M, Thompson XD, Cross KM, Moler C[†], Gwathmey FW, Werner BC, Su C, **Kuenze C**[*]. Comparison of patient-reported and objective functional measures during the early rehabilitative phase in patients with primary versus revision ACL reconstruction. Phys Ther Sport. 2025 Jul;74:88-95. doi: 10.1016/j.ptsp.2025.05.010. Epub 2025 May 22. PMID: 40472595. *Cited by 0 | JIF 2.3*

112. Hasan F, Swift D, **Kuenze C**, You W, Zoellner J, Nguyen AJ, Dunn C, Kranz S. The Associations Between Physical Activity and Skin Carotenoid Levels in a Small Sample of Preschoolers: A Pilot Study. Child Obes.

2025 Jul;21(5):497-501. doi: 10.1089/chi.2024.0345. Epub 2025 Feb 5. PMID: 39906916. *Cited by 0 | JIF 1.5*

111. Tolzman JE, Grozier CD, Parmar A, Collins K†, **Kuenze C**, Winn B, Harkey MS. Assessment of Quadriceps Muscle Characteristics in Female Division I Athletes: A Validation Study of Wireless Probes Against Standard Ultrasound Units. J Sport Rehabil. 2025 Jul 8;35(2):166-170. doi: 10.1123/jsr.2024-0356. PMID: 40628388; PMCID: PMC12336988. *Cited by 2 | JIF 1.7*

110. Feeley SM, Thiru SS, Neubauer BE, Cherelstein RE, **Kuenze CM,** Rawat U, Chang ES. Two-dimensional magnetic resonance imaging sequences correlate to three-dimensional computed tomography for evaluation of glenoid bone loss. JSES Int. 2025 Jul 2;9(6):1908-1913. doi: 10.1016/j.jseint.2025.06.006. PMID: 41584545; PMCID: PMC12828184. *Cited by 0 | JIF 2.0*

109. Tolzman JE, Collins KA†, Grozier CD, Keen M, Fajardo R, **Kuenze C**, Harkey MS. Ultrasound-assessed thigh fat thickness is valid for estimating body fat percentage in Division I collegiate female athletes. J Sci Med Sport. 2025;28(5):418-422. doi: 10.1016/j.jsams.2024.12.017. Epub 2024 Dec 30. PMID: 39809669; PMCID: PMC12058423. *Cited by 2 | JIF 4.5*

108. Neubauer BE, **Kuenze CM**, Cherelstein RE, Nader MA, Lin A, Chang ES. Low socioeconomic indicators correlate with critical preoperative glenoid bone loss and care delays. J Shoulder Elbow Surg. 2025 May;34(5):1356-1367. doi: 10.1016/j.jse.2024.08.039. Epub 2024 Oct 21. PMID: 39442860. *Cited by 1 | JIF 3.3*

107. Weaver AP, **Kuenze CM,** Roman D, Giampetruzzi N, Link M, Martinez A, Rucinski K, Kupperman N, Phan L, Prati VV, Walker C, Douthit T, Cage D, Abt J, Greenberg E, Ganley T, LaPlante S, Pace L, Farmer B, Grindstaff TL, Butler L, Chang E, Cherelstein R, Grozier CD, Harkey M, Parmar A, Landers J, Ulman S, Harrison C, DeFroda S, Ma R, Reiche E, Brinkman C, Birchmeier T, Baez S, Hart JM, Walaszek M†, Cross K, Thompson X. Isokinetic Knee Strength and Patient-Reported Outcomes Differ Between Graft Types in Adolescents After Anterior Cruciate Ligament Reconstruction: A Multicenter Study. Orthop J Sports Med. 2025 May 12;13(5):23259671251334143. doi: 10.1177/23259671251334143. PMID: 40364804; PMCID: PMC12069951. *Cited by 9 | JIF 2.9*

106. Thiru SS, Cherelstein RE, Feeley SM, Halperin SJ, Lucas S, **Kuenze CM**, Chang ES. What Do Medical Students Think About a Pass/Fail USMLE Step 1? A Survey of 18 Allopathic Schools. J Med Educ Curric Dev. 2025 May 7;12:23821205251337125. doi: 10.1177/23821205251337125. PMID: 40351781; PMCID: PMC12062646. *Cited by 1 | JIF 2.0*

105. Harkey MS, Driban JB, Todem D, **Kuenze C**, Mahmoudian A, Meiring R, O'Brien D, Ward S. Evaluating Criteria for Symptoms Suggestive of Early Osteoarthritis Over Two Years Post-Anterior Cruciate Ligament Reconstruction: Data From the New Zealand Anterior Cruciate Ligament Registry. Arthritis Care Res (Hoboken). 2025 Apr;77(4):475-483. doi: 10.1002/acr.25453. Epub 2024 Nov 14. PMID: 39429012. *Cited by 17 | JIF 4.1*

104. Sellers R, Brincks K, **Kuenze C**, Goetschius J. Quadriceps-Strength-Testing Practices and Barriers During Return to Sport After ACL Reconstruction: A Survey of College Athletic Trainers. J Athl Train. 2025 Feb 1;60(2):111-118. doi: 10.4085/1062-6050-0378.24. PMID: 39411874; PMCID: PMC11866797. *Cited by 6 | JIF 2.6*

103. Weaver AP, Harkey MS, Pacicca DM, Crepeau AE, Brown MJ, Werner BC, Diduch DR, **Kuenze C***. Evaluation of Thigh Muscle Strength in Adolescent Patients After Anterior Cruciate Ligament Reconstruction With Lateral Extra-articular Tenodesis or Anterolateral Ligament Reconstruction. Orthop J Sports Med. 2025 Jan 24;13(1):23259671241305999. doi: 10.1177/23259671241305999. PMID: 39866955; PMCID: PMC11760133. *Cited by 12 | JIF 2.9*

102. Cherelstein RE, **Kuenze CM**, Walaszek MC†, Brumfield ER, Lewis JN, Hughes GA, Chang ES. Patients With a Quadriceps Tendon Autograft Demonstrate Greater Asymmetry in Landing Kinetics Than Patients With a Bone-Patellar Tendon-Bone Autograft 6 Months After Anterior Cruciate Ligament Reconstruction. Am J Sports Med. 2025;53(3):623-631. doi: 10.1177/03635465241310400. Epub 2025 Jan 23. PMID: 39844737. *Cited by 7 | JIF 5.4*

101. Cherelstein RE, **Kuenze C**, Harkey MS, Walaszek MC†, Grozier C, Brumfield ER, Lewis JN, Hughes GA, Chang ES. Evaluating Gait with Force Sensing Insoles 6 Months after Anterior Cruciate Ligament Reconstruction: An Autograft Comparison. Med Sci Sports Exerc. 2025 Jan; 57(1):210-216. doi: 10.1249/MSS.0000000000003554. Epub 2024 Sep 16. PMID: 39283230; PMCID: PMC11649491. *Cited by 6 | JIF 4.0*

100. Prinz NW, Thompson XD, Leicht ASB, **Kuenze C**, Hart JM. Associations Between Race and Socioeconomic Status, Lower Extremity Strength, and Patient-Reported Outcomes Following Anterior Cruciate Ligament Reconstruction. J Athl Train. 2024 Dec 1;59(12):1171-1177. doi: 10.4085/1062-6050-0617.23. PMID: 38894681; PMCID: PMC11684741. *Cited by 3 | JIF 2.6*

99. Murray M, Wekesser M, DeFreese JD, **Kuenze C**, Brinkman C, Gould D, Baez S. Patient Perceptions of Psychological and Rehabilitation Experiences After Anterior Cruciate Ligament Reconstruction: A Qualitative Study. J Sport Rehabil. 2024 Nov 11;34(2):77-83. doi: 10.1123/jsr.2023-0385. PMID: 39527947. *Cited by 12 | JIF 1.7*

98. Feeley SM, Broome JN, Cherelstein RE, Neubauer BE, **Kuenze CM**, Chang ES. Evaluating the Importance of Return to Sports and Hamstring Strength in a Discrete Choice Experiment for Anterior Cruciate Ligament Injury. Orthop J Sports Med. 2024 Nov 7;12(11):23259671241282657. doi: 10.1177/23259671241282657. PMID: 39525354; PMCID: PMC11544754. *Cited by 3 | JIF 2.9*

97. Harkey MS, Driban JB, Baez SE, Genoese FM, Reiche ET, Collins K†, Walaszek M†, Triplett A, Wilcox CL, Schorfhaar A, Shingles M, Joseph S, **Kuenze C***. Persistent Early Knee Osteoarthritis Symptoms From 6 to 12 Months After Anterior Cruciate Ligament Reconstruction. J Athl Train. 2024 Sep 1;59(9):891-897. doi: 10.4085/1062-6050-0470.23. PMID: 38243733; PMCID: PMC11440826. *Cited by 19 | JIF 2.6*

96. Perraut GT, Cherelstein RE, Galel AM, Keeling LE, **Kuenze CM**, Curley AJ, Wang DX, Malekzadeh KA, Chang ES. Repair of Bucket-Handle Meniscus Tears Improves Patient Outcomes Versus Partial Meniscectomy at the Time of ACL Reconstruction. J Exp Orthop. 2024 Aug 28;11(3):e70004. doi: 10.1002/jeo2.70004. PMID: 39206132; PMCID: PMC11351173. *Cited by 4 | JIF 3.2*

95. Genoese FM, Walaszek MC†, Collins KA†, Reiche ET, Triplett A, Harkey MS, **Kuenze CM**, Baez SE. Lower-Extremity Visuomotor Reaction Time Is Not Different Between Males and Females Following Anterior Cruciate Ligament Reconstruction. Int J Athl Ther Train. 2024 Jul;29(4):202-207. doi: 10.1123/ijatt.2023-0099. *Cited by 0 | JIF 0.2*

94. Zynda AJ, Baez S, Wallace J, **Kuenze C**, Covassin T. The Reliability of the Senaptec Sensory Station for the Comprehensive Assessment of Sensorimotor Skills in College-Aged Individuals. Meas Phys Educ Exerc Sci. 2024 Jul;28(3):244-254. doi: 10.1080/1091367X.2024.2309169. Epub 2024 Jan 25. *Cited by 18 | JIF 1.6*

93. Cherelstein RE, Natal-Albelo EJ, **Kuenze CM**, Curley AJ, Bodendorfer BM, Hopkins M, Conroy CM, Fryar CM, Wang DX, Chang ES. The Effect of Greater Area Deprivation and Medicaid Insurance Status on Timing of Care and Rate of Reinjury After Anterior Cruciate Ligament Reconstruction. Orthop J Sports Med. 2024 Jun 10;12(6):23259671241240751. doi: 10.1177/23259671241240751. PMID: 38863506; PMCID: PMC11165962. *Cited by 15 | JIF 2.9*

92. Cherelstein RE, Ulman S, **Kuenze CM**, Harkey MS; ARROW; Butler LS. Greater changes in self-reported activity level are associated with decreased quality of life in patients following an anterior cruciate ligament reconstruction. Phys Ther Sport. 2024;67:149-154. doi: 10.1016/j.ptsp.2024.04.002. Epub 2024 Apr 14. PMID: 38759381. *Cited by 2 | JIF 2.3*

91. Ambrose M, Schulman JE, **Kuenze C**, Hymes RA, Holzman M, Malekzadeh AS, Ray-Zack M, Gaski GE. Early Acetabular Fracture Repair Through an Anterior Approach Is Associated With Increased Blood Loss. J Orthop Trauma. 2024 Apr 1;38(4):e126-e132. doi: 10.1097/BOT.0000000000002769. PMID: 38206759. *Cited by 3 | JIF 2.0*

90. Baez SE, Genoese FM, Reiche ET, Harkey MS, **Kuenze CM**, Moser J, Pietrosimone B. Feasibility of Mobile Application-Delivered Mindfulness Meditation for Individuals After Anterior Cruciate Ligament Reconstruction. Int J Athl Ther Train. 2024 Mar;29(2):95-100. doi: 10.1123/ijatt.2023-0004. *Cited by 4 | JIF 0.2*

89. Harkey MS, Grozier CD, Tolzman J, Parmar A, Fagan M, Collins K†, **Kuenze C**, Fajardo R. Ultrasound-detected effusion-synovitis is associated with greater limb loading rate asymmetry during walking post-ACL reconstruction: A pilot study. Osteoarthr Imaging. 2024 Mar;4(1):100175. doi: 10.1016/j.ostima.2024.100175. Epub 2024 Feb 9. PMID: 38549836; PMCID: PMC10976353. *Cited by 15 | JIF NA*

88. Reiche E, Collins K†, Genoese F, Walaszek M†, Triplett A, **Kuenze C**, Harkey M, Baez S. Lower Extremity Reaction Time in Individuals With Contact Versus Noncontact Anterior Cruciate Ligament Injuries After Reconstruction. J Athl Train. 2024 Jan 1;59(1):66-72. doi: 10.4085/1062-6050-0428.22. PMID: 37248503; PMCID: PMC10783466. *Cited by 17 | JIF 2.6*

87. Grozier C, Keen M, Collins K†, Tolzman J, Fajardo R, Slade JM, **Kuenze C**, Harkey MS. Rectus Femoris Ultrasound Echo Intensity Is a Valid Estimate of Percent Intramuscular Fat in Patients Following Anterior Cruciate Ligament Reconstruction. Ultrasound Med Biol. 2023 Dec;49(12):2590-2595. doi: 10.1016/j.ultrasmedbio.2023.08.027. Epub 2023 Sep 27. PMID: 37770296. *Cited by 19 | JIF 2.8*

86. Baez S, Harkey M, Birchmeier T†, Triplett A†, Collins K†, **Kuenze C***. Psychological Readiness, Injury-Related Fear, and Persistent Knee Symptoms After Anterior Cruciate Ligament Reconstruction. J Athl Train. 2023 Nov 1;58(11-12):998-1003. doi: 10.4085/1062-6050-0229.22. PMID: 38104626; PMCID: PMC10784889. *Cited by 41 | JIF 2.6*

85. **Kuenze C**, Lisee C, Triplett A†, Collins K†, Walaszek M†, Lewis J†, Farner N†, Harkey M, Baez S. Validation of a Survey to Characterize Barriers to Physical Activity After Anterior Cruciate Ligament Reconstruction. J Athl Train. 2023 Oct 1;58(10):841-848. doi: 10.4085/1062-6050-0436.22. PMID: 36521177; PMCID: PMC11215717. *Cited by 7 | JIF 2.6*

84. Pfeiffer KA, Lisee C, Westgate BS, Kalfsbeek C, **Kuenze C**, Bell D, Cadmus-Bertram L, Montoye AHK. Using Accelerometers to Detect Activity Type in a Sport Setting: Challenges With Using Multiple Types of Conventional Machine Learning Approaches. Meas Phys Educ Exerc Sci. 2023;27(1):60-72. doi:10.1080/1091367X.2022.2069467. *Cited by 5 | JIF 1.6*

83. Weaver AP, Walaszek MC†, Roman DP, Harkey MS, **Kuenze C***. The Impact of Meniscal Tear Type and Surgical Treatment on Quadriceps Strength: A Study of Adolescent Patients Post Anterior Cruciate Ligament Reconstruction. Am J Sports Med. 2023;51(9):2357-2365. doi: 10.1177/03635465231177626. Epub 2023 Jun 5. PMID: 37272684; PMCID: PMC10865339. *Cited by 7 | JIF 5.4*

82. **Kuenze C,** Pietrosimone B, Currie KD, Walton SR, Kerr ZY, Brett BL, Chandran A, DeFreese JD, Mannix R, Echemendia RJ, McCrea M, Guskiewicz KM, Meehan WP. Joint Injury, Osteoarthritis, and Cardiovascular Disease Risk Factors in Former National Football League Athletes: An NFL-LONG Study. J Athl Train. 2023 Jun 1;58(6):528-535. doi: 10.4085/1062-6050-0437.22. PMID: 36645831; PMCID: PMC10496448. *Cited by 15 | JIF 2.6*

81. Walaszek MC†, Grindstaff TL, Hart JM, Birchmeier T†, Triplett A†, Collins K†, Harkey M, Shingles M, Straus M, **Kuenze C***. Quadriceps Strength and Knee-Related Symptom State 6 Months After Anterior Cruciate Ligament Reconstruction. J Athl Train. 2023 Jun 1;58(6):536-541. doi: 10.4085/1062-6050-0207.22. PMID: 36094575. *Cited by 8 | JIF 2.6*

80. Burghardt WP, Pfeiffer KA, **Kuenze C***. Assessing the Relationship Between External Workloads and Noncontact Injuries During Summer Conditioning and Preseason Practice in National Collegiate Athletic Association Division 1 Football Players. J Strength Cond Res. 2023 Apr;37(4):816-822. doi: 10.1519/JSC.0000000000004325. Epub 2022 Jul 21. PMID: 35876439. *Cited by 4 | JIF 3.0*

79. Osteoarthritis Action Alliance, Secondary Prevention Task Group; Driban JB, Vincent HK, Trojian TH, Ambrose KR, Baez S, Beresic N, Berkoff DJ, Callahan LF, Cohen B, Franek M, Golightly YM, Harkey M, **Kuenze CM**, Minnig MC, Mobasheri A, Naylor A, Newman CB, Padua DA, Pietrosimone B, Pinto D, Root H, Salzler M, Schmitt L, Snyder-Mackler L, Taylor JB, Thoma LM, Vincent KR, Wellsandt E, Williams M. Evidence Review for Preventing Osteoarthritis After an Anterior Cruciate Ligament Injury: An Osteoarthritis Action Alliance Consensus Statement. J Athl Train. 2023 Mar 1;58(3):198-219. doi: 10.4085/1062-6050-0504.22. PMID: 37130279; PMCID: PMC10176847. *Cited by 17 | JIF 2.6*

78. Driban JB, Vincent HK, Trojian TH, Ambrose KR, Baez S, Beresic N, Berkoff DJ, Callahan LF, Cohen B, Franek M, Golightly YM, Harkey M, **Kuenze CM**, Minnig MC, Mobasheri A, Naylor A, Newman CB, Padua DA, Pietrosimone B, Pinto D, Root H, Salzler M, Schmitt LC, Snyder-Mackler L, Taylor JB, Thoma LM, Vincent KR, Wellsandt E, Williams M. Preventing Osteoarthritis After an Anterior Cruciate Ligament Injury: An Osteoarthritis Action Alliance Consensus Statement. J Athl Train. 2023 Mar 1;58(3):193-197. doi: 10.4085/1062-6050-0255.22. PMID: 37130278; PMCID: PMC10176846. *Cited by 22 | JIF 2.6*

77. Baez S, Collins K†, Harkey M, Birchmeier T†, Triplett A†, Pietrosimone B, **Kuenze C***. Kinesiophobia Is Associated with Peak Knee Abduction Angle during Jump Landing after ACL Reconstruction. Med Sci Sports Exerc. 2023 Mar 1;55(3):462-468. doi: 10.1249/MSS.0000000000003075. Epub 2022 Oct 26. PMID: 36730931; PMCID: PMC9931628. *Cited by 29 | JIF 4.0*

76. **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 to 7 Months After ACL Reconstruction: IKDC, Pedi-IKDC, KOOS, ACL-RSI, Single-Leg Hop, and Thigh Strength. J Orthop Sports Phys Ther. 2023;53(4):194-201. doi: 10.2519/jospt.2023.11389. Epub 2023 Jan 23. PMID: 36688716. *Cited by 34 | JIF 6.9*

75. Ripic Z, Signorile JF, **Kuenze C**, Eltoukhy M. Concurrent validity of artificial intelligence-based markerless motion capture for over-ground gait analysis: A study of spatiotemporal parameters. J Biomech. 2022 Oct;143:111278. doi: 10.1016/j.jbiomech.2022.111278. Epub 2022 Aug 30. PMID: 36063770. *Cited by 40 | JIF 2.9*

74. Collins K†, Fajardo R, Harkey M, Knake J, Lisee C†, Wilcox L, Tasco J, **Kuenze C***. Knee symptoms do not affect walking biomechanics among women 6 months after anterior cruciate ligament reconstruction. J Orthop Res. 2022 Oct;40(10):2240-2247. doi: 10.1002/jor.25265. Epub 2022 Jan 19. PMID: 35001419. *Cited by 6 | JIF 2.4*

73. **Kuenze CM**, Farner N†, Lewis J†, Lisee CM†, Schorfhaar A, Erickson K. Adolescent Patient, Parent, and Clinician Perceptions of Rehabilitation After Anterior Cruciate Ligament Reconstruction: A Qualitative Study. J Athl Train. 2022 Sep 1;57(9-10):929-936. doi: 10.4085/1062-6050-0491.21. PMID: 35142825; PMCID: PMC9842128. *Cited by 19 | JIF 2.6*

72. Ripic Z, **Kuenze C**, Andersen MS, Theodorakos I, Signorile J, Eltoukhy M. Ground reaction force and joint moment estimation during gait using an Azure Kinect-driven musculoskeletal modeling approach. Gait

Posture. 2022 Jun;95:49-55. doi: 10.1016/j.gaitpost.2022.04.005. Epub 2022 Apr 9. PMID: 35428024. *Cited by 49 | JIF 2.7*

71. Oh J, Ripic Z, Signorile JF, Andersen MS, **Kuenze C**, Letter M, Best TM, Eltoukhy M. Monitoring joint mechanics in anterior cruciate ligament reconstruction using depth sensor-driven musculoskeletal modeling and statistical parametric mapping. Med Eng Phys. 2022 May;103:103796. doi: 10.1016/j.medengphy.2022.103796. Epub 2022 Apr 7. PMID: 35500996. *Cited by 5 | JIF 2.4*

70. Petit KM, **Kuenze CM**, Pfeiffer KA, Fitton N, Saffarian M, Covassin T. Relationship Between Physical Activity Participation and Recovery Outcomes in College-Aged Adults With a Concussion. J Athl Train. 2022 May 1;57(5):452-457. doi: 10.4085/1062-6050-0158.21. PMID: 34329439; PMCID: PMC9205554. *Cited by 5 | JIF 2.6*

69. Harkey MS, Michel N, **Kuenze C**, Fajardo R, Salzler M, Driban JB, Hacihaliloglu I. Validating a Semi-Automated Technique for Segmenting Femoral Articular Cartilage on Ultrasound Images. Cartilage. 2022 Apr-Jun;13(2):19476035221093069. doi: 10.1177/19476035221093069. PMID: 35438030; PMCID: PMC9251823. *Cited by 19 | JIF 2.6*

68. Harkey MS, Baez S, Lewis J†, Grindstaff TL, Hart J, Driban JB, Schorfhaar A, **Kuenze C***. Prevalence of Early Knee Osteoarthritis Illness Among Various Patient-Reported Classification Criteria After Anterior Cruciate Ligament Reconstruction. Arthritis Care Res (Hoboken). 2022 Mar;74(3):377-385. doi: 10.1002/acr.24809. Epub 2022 Feb 11. PMID: 34738341. *Cited by 38 | JIF 4.1*

67. **Kuenze C**, Collins K†, Pfeiffer KA, Lisee C†. Assessing Physical Activity After ACL Injury: Moving Beyond Return to Sport. Sports Health. 2022 Mar-Apr;14(2):197-204. doi: 10.1177/19417381211025307. Epub 2021 Jun 29. PMID: 34184945; PMCID: PMC8883410. *Cited by 50 | JIF 3.1*

66. **Kuenze C**, Collins K†, Triplett A†, Bell D, Norte G, Baez S, Harkey M, Wilcox L, Lisee C†. Adolescents Are Less Physically Active Than Adults After Anterior Cruciate Ligament Reconstruction. Orthop J Sports Med. 2022 Feb 21;10(2):23259671221075658. doi: 10.1177/23259671221075658. PMID: 35224118; PMCID: PMC8864272. *Cited by 13 | JIF 2.9*

65. Pietrosimone B, Lepley AS, **Kuenze C**, Harkey MS, Hart JM, Blackburn JT, Norte G. Arthrogenic Muscle Inhibition Following Anterior Cruciate Ligament Injury. J Sport Rehabil. 2022 Feb 14;31(6):694-706. doi: 10.1123/jsr.2021-0128. PMID: 35168201. *Cited by 169 | JIF 1.7*

64. Lisee C†, Harkey M, Walker Z†, Pfeiffer K, Covassin T, Kovan J, Currie KD, **Kuenze C***. Longitudinal Changes in Ultrasound-Assessed Femoral Cartilage Thickness in Individuals from 4 to 6 Months Following Anterior Cruciate Ligament Reconstruction. Cartilage. 2021 Dec;13(1_suppl):738S-746S. doi: 10.1177/19476035211038749. Epub 2021 Aug 12. PMID: 34384276; PMCID: PMC8808943. *Cited by 11 | JIF 2.6*

63. Harkey MS, Driban JB, **Kuenze C**, Zhang M, Salzler MJ. Pre-Operative Femoral Cartilage Ultrasound Characteristics Are Altered in People Who Report Symptoms at 1 year After Anterior Cruciate Ligament Reconstruction. Ultrasound Med Biol. 2021 Jul;47(7):1976-1984. doi: 10.1016/j.ultrasmedbio.2021.03.021. Epub 2021 Apr 27. PMID: 33931287; PMCID: PMC8169620. *Cited by 11 | JIF 2.8*

62. **Kuenze C**, Pfeiffer K, Pfeiffer M, Driban JB, Pietrosimone B. Feasibility of a Wearable-Based Physical Activity Goal-Setting Intervention Among Individuals With Anterior Cruciate Ligament Reconstruction. J Athl Train. 2021 Jun 1;56(6):555-564. doi: 10.4085/1062-6050-203-20. PMID: 34375982; PMCID: PMC8223619. *Cited by 17 | JIF 2.6*

61. Leszczynski EC, **Kuenze C**, Brazier B, Visker J, Ferguson DP. The Effect of ACL Reconstruction on Involved and Contralateral Limb Vastus Lateralis Morphology and Histology: A Pilot Study. J Knee Surg. 2021 Apr;34(5):533-537. doi: 10.1055/s-0039-1697899. Epub 2019 Sep 30. PMID: 31569259. *Cited by 18 | JIF 1.4*

60. Triplett AN†, **Kuenze CM***. Characterizing body composition, cardiorespiratory fitness, and physical activity in women with anterior cruciate ligament reconstruction. Phys Ther Sport. 2021 Mar;48:54-59. doi: 10.1016/j.ptsp.2020.12.014. Epub 2020 Dec 26. PMID: 33373903. *Cited by 26 | JIF 2.3*

59. Oh J, **Kuenze C**, Signorile JF, Andersen MS, Letter M, Best TM, Ripic Z, Emerson C, Eltoukhy M. Estimation of ground reaction forces during stair climbing in patients with ACL reconstruction using a depth sensor-driven musculoskeletal model. Gait Posture. 2021 Feb;84:232-237. doi: 10.1016/j.gaitpost.2020.12.025. Epub 2020 Dec 25. PMID: 33383533. *Cited by 12 | JIF 2.7*

58. **Kuenze C**, Bell DR, Grindstaff TL, Lisee CM†, Birchmeier T†, Triplett A†, Pietrosimone B. A Comparison of Psychological Readiness and Patient-Reported Function Between Sexes After Anterior Cruciate Ligament Reconstruction. J Athl Train. 2021 Feb 1;56(2):164-169. doi: 10.4085/1062-6050-0034.20. PMID: 33370438; PMCID: PMC7901577. *Cited by 48 | JIF 2.6*

57. Lisee CM†, DiSanti JS, Chan M, Ling J, Erickson K, Shingles M, **Kuenze CM***. Gender Differences in Psychological Responses to Recovery After Anterior Cruciate Ligament Reconstruction Before Return to Sport. J Athl Train. 2020 Oct 1;55(10):1098-1105. doi: 10.4085/1062-6050-558.19. PMID: 32966569; PMCID: PMC7594607. *Cited by 115 | JIF 2.6*

56. Lisee CM†, Montoye AHK, Lewallen NF†, Hernandez M, Bell DR, **Kuenze CM***. Assessment of Free-Living Cadence Using ActiGraph Accelerometers Between Individuals With and Without Anterior Cruciate Ligament Reconstruction. J Athl Train. 2020 Sep 1;55(9):994-1000. doi: 10.4085/1062-6050-425-19. PMID: 32818959; PMCID: PMC7534928. *Cited by 23 | JIF 2.6*

55. Sherman D, Birchmeier T†, **Kuenze CM**, Garrison C, Hannon J, Bothwell J, Bush C, Norte GE. Thigh-Muscle and Patient-Reported Function Early After Anterior Cruciate Ligament Reconstruction: Clinical Cutoffs Unique to Graft Type and Age. J Athl Train. 2020 Aug 1;55(8):826-833. doi: 10.4085/1062-6050-370-19. PMID: 32688373; PMCID: PMC7462175. *Cited by 26 | JIF 2.6*

54. Lisee C†, McGrath ML, **Kuenze C**, Zhang M, Salzler M, Driban JB, Harkey MS. Reliability of a Novel Semiautomated Ultrasound Segmentation Technique for Assessing Average Regional Femoral Articular Cartilage Thickness. J Sport Rehabil. 2020 May 29;29(7):1042-1046. doi: 10.1123/jsr.2019-0476. PMID: 32473587. *Cited by 15 | JIF 1.7*

53. Birchmeier T†, Lisee C†, Kane K†, Brazier B†, Triplett A†, **Kuenze C***. Quadriceps Muscle Size Following ACL Injury and Reconstruction: A Systematic Review. J Orthop Res. 2020 Mar;38(3):598-608. doi: 10.1002/jor.24489. Epub 2019 Oct 16. PMID: 31608490. *Cited by 127 | JIF 2.4*

52. Oh J, Eltoukhy M, **Kuenze C**, Andersen MS, Signorile JF. Comparison of predicted kinetic variables between Parkinson's disease patients and healthy age-matched control using a depth sensor-driven full-body musculoskeletal model. Gait Posture. 2020 Feb;76:151-156. doi: 10.1016/j.gaitpost.2019.11.011. Epub 2019 Dec 12. PMID: 31862662. *Cited by 38 | JIF 2.7*

51. Morrison R, Petit KM, **Kuenze C**, Moran RN, Covassin T. Preseason to Postseason Changes on the BTrackS Force Plate in a Sample of College Athletes. J Sport Rehabil. 2020 Jan 1;29(1):134-136. doi: 10.1123/jsr.2018-0304. PMID: 31034328. *Cited by 3 | JIF 1.7*

50. Lisee C†, Birchmeier T†, Yan A†, **Kuenze C***. Associations between isometric quadriceps strength characteristics, knee flexion angles, and knee extension moments during single leg step down and landing tasks after anterior cruciate ligament reconstruction. Clin Biomech (Bristol, Avon). 2019 Dec;70:231-236. doi: 10.1016/j.clinbiomech.2019.10.012. Epub 2019 Oct 22. PMID: 31669921. *Cited by 49 | JIF 1.8*

49. Lisee C†, Birchmeier T†, Yan A†, Geers B†, O'Hagan K†, Davis C†, **Kuenze C***. The Relationship Between Vertical Ground Reaction Force, Loading Rate, and Sound Characteristics During a Single-Leg Landing. J Sport Rehabil. 2019 Oct 18;29(5):541-546. doi: 10.1123/jsr.2018-0260. PMID: 31034335. *Cited by 14 | JIF 1.7*

48. **Kuenze C**, Lisee C†, Birchmeier T†, Triplett A†, Wilcox L, Schorfhaar A, Shingles M. Sex differences in quadriceps rate of torque development within 1 year of ACL reconstruction. Phys Ther Sport. 2019 Jul;38:36-43. doi: 10.1016/j.ptsp.2019.04.008. Epub 2019 Apr 17. PMID: 31042614. *Cited by 61 | JIF 2.3*

47. Hart JM, **Kuenze C**, Norte G, Bodkin S, Patrie J, Denny C, Hart J, Diduch DR. Prospective, Randomized, Double-Blind Evaluation of the Efficacy of a Single-Dose Hyaluronic Acid for the Treatment of Patellofemoral Chondromalacia. Orthop J Sports Med. 2019 Jun 24;7(6):2325967119854192. doi: 10.1177/2325967119854192. PMID: 31263727; PMCID: PMC6593928. *Cited by 19 | JIF 2.9*

46. Birchmeier T†, Lisee C†, Geers B†, **Kuenze C***. Reactive Strength Index and Knee Extension Strength Characteristics Are Predictive of Single-Leg Hop Performance After Anterior Cruciate Ligament Reconstruction. J Strength Cond Res. 2019 May;33(5):1201-1207. doi: 10.1519/JSC.0000000000003102. PMID: 30844991. *Cited by 58 | JIF 3.0*

45. Hunnicutt JL, Hand BN, Gregory CM, Slone HS, McLeod MM, Pietrosimone B, **Kuenze C**, Velozo CA. KOOS-JR Demonstrates Psychometric Limitations in Measuring Knee Health in Individuals After ACL Reconstruction. Sports Health. 2019 May/Jun;11(3):242-246. doi: 10.1177/1941738118812454. Epub 2018 Nov 16. PMID: 30444674; PMCID: PMC6537326. *Cited by 14 | JIF 3.1*

44. Lisee C†, Lepley AS, Birchmeier T†, O'Hagan K†, **Kuenze C***. Quadriceps Strength and Volitional Activation After Anterior Cruciate Ligament Reconstruction: A Systematic Review and Meta-analysis. Sports Health. 2019 Mar/Apr;11(2):163-179. doi: 10.1177/1941738118822739. Epub 2019 Jan 14. PMID: 30638441; PMCID: PMC6391557. *Cited by 253 | JIF 3.1*

43. **Kuenze C**, Pietrosimone B, Lisee C†, Rutherford M, Birchmeier T†, Lepley A, Hart J. Demographic and surgical factors affect quadriceps strength after ACL reconstruction. Knee Surg Sports Traumatol Arthrosc. 2019 Mar;27(3):921-930. doi: 10.1007/s00167-018-5215-9. Epub 2018 Oct 16. PMID: 30327821. *Cited by 81 | JIF 5.5*

42. Eltoukhy M, **Kuenze C**, Oh J, Apanovitch E, Butler L, Signorile JF. Concurrent Validity of Depth-Sensing Cameras for Noncontact ACL Injury Screening During Side-Cut Maneuvers in Adolescent Athletes: A Preliminary Study. J Appl Biomech. 2019 Feb 1;35(1):2-10. doi: 10.1123/jab.2018-0105. Epub 2018 Dec 8. PMID: 29989470. *Cited by 25 | JIF 1.6*

41. **Kuenze C**, Cadmus-Bertram L, Pfeiffer K, Trigsted S, Cook D, Lisee C†, Bell D. Relationship Between Physical Activity and Clinical Outcomes After ACL Reconstruction. J Sport Rehabil. 2019 Feb 1;28(2):180-187. doi: 10.1123/jsr.2017-0186. Epub 2018 Oct 15. PMID: 29140161. *Cited by 61 | JIF 1.7*

40. **Kuenze C**, Lisee C†, Pfeiffer KA, Cadmus-Bertram L, Post EG, Biese K, Bell DR. Sex differences in physical activity engagement after ACL reconstruction. Phys Ther Sport. 2019 Jan;35:12-17. doi: 10.1016/j.ptsp.2018.10.016. Epub 2018 Oct 26. PMID: 30396146. *Cited by 69 | JIF 2.3*

39. DiSanti J, Lisee C†, Erickson K, Bell D, Shingles M, **Kuenze C***. Perceptions of Rehabilitation and Return to Sport Among High School Athletes With Anterior Cruciate Ligament Reconstruction: A Qualitative Research Study. J Orthop Sports Phys Ther. 2018 Dec;48(12):951-959. doi: 10.2519/jospt.2018.8277. Epub 2018 Jun 22. PMID: 29932875. *Cited by 155 | JIF 6.9*

38. Warner K, Savage J, **Kuenze CM**, Erkenbeck A, Comstock RD, Covassin T. A Comparison of High School Boys' and Girls' Lacrosse Injuries: Academic Years 2008-2009 Through 2015-2016. J Athl Train. 2018 Nov;53(11):1049-1055. doi: 10.4085/1062-6050-312-17. Epub 2018 Nov 19. PMID: 30451536; PMCID: PMC6333219. *Cited by 31 | JIF 2.6*

37. Oh J, **Kuenze C**, Jacopetti M, Signorile JF, Eltoukhy M. Validity of the Microsoft Kinect™ in assessing spatiotemporal and lower extremity kinematics during stair ascent and descent in healthy young individuals. Med Eng Phys. 2018 Oct;60:70-76. doi: 10.1016/j.medengphy.2018.07.011. Epub 2018 Aug 8. PMID: 30097314. *Cited by 51 | JIF 2.4*

36. **Kuenze CM**, Trigsted S, Lisee C†, Post E, Bell DR. Sex Differences on the Landing Error Scoring System Among Individuals With Anterior Cruciate Ligament Reconstruction. J Athl Train. 2018 Sep;53(9):837-843. doi: 10.4085/1062-6050-459-17. Epub 2018 Oct 1. PMID: 30273009; PMCID: PMC6208307. *Cited by 35 | JIF 2.6*

35. Pietrosimone B, **Kuenze C**, Hart JM, Thigpen C, Lepley AS, Blackburn JT, Padua DA, Grindstaff T, Davis H, Bell D. Weak associations between body mass index and self-reported disability in people with unilateral anterior cruciate ligament reconstruction. Knee Surg Sports Traumatol Arthrosc. 2018 May;26(5):1326-1334. doi: 10.1007/s00167-017-4663-y. Epub 2017 Aug 28. PMID: 28849248. *Cited by 17 | JIF 5.5*

34. Norte GE, Knaus KR, **Kuenze C**, Handsfield GG, Meyer CH, Blemker SS, Hart JM. MRI-Based Assessment of Lower-Extremity Muscle Volumes in Patients Before and After ACL Reconstruction. J Sport Rehabil. 2018 May 1;27(3):201-212. doi: 10.1123/jsr.2016-0141. Epub 2018 Jun 12. PMID: 28290752. *Cited by 134 | JIF 1.7*

33. Lepley AS, **Kuenze CM***. Hip and Knee Kinematics and Kinetics During Landing Tasks After Anterior Cruciate Ligament Reconstruction: A Systematic Review and Meta-Analysis. J Athl Train. 2018 Feb;53(2):144-159. doi: 10.4085/1062-6050-334-16. Epub 2018 Jan 19. PMID: 29350551; PMCID: PMC5842905. *Cited by 167 | JIF 2.6*

32. Eltoukhy MA, **Kuenze C**, Oh J, Signorile JF. Validation of Static and Dynamic Balance Assessment Using Microsoft Kinect for Young and Elderly Populations. IEEE J Biomed Health Inform. 2018 Jan;22(1):147-153. doi: 10.1109/JBHI.2017.2686330. Epub 2017 Mar 22. PMID: 28333650. *Cited by 63 | JIF 7.7*

31. Eltoukhy M, **Kuenze C**, Andersen MS, Oh J, Signorile J. Prediction of ground reaction forces for Parkinson's disease patients using a kinect-driven musculoskeletal gait analysis model. Med Eng Phys. 2017 Dec;50:75-82. doi: 10.1016/j.medengphy.2017.10.004. Epub 2017 Oct 26. PMID: 29102274. *Cited by 90 | JIF 2.4*

30. **Kuenze CM**, Kelly AR†, Jun HP, Eltoukhy M. Unilateral Quadriceps Strengthening With Disinhibitory Cryotherapy and Quadriceps Symmetry After Anterior Cruciate Ligament Reconstruction. J Athl Train. 2017 Nov;52(11):1010-1018. doi: 10.4085/1062-6050-52.10.13. PMID: 29257714; PMCID: PMC5737036. *Cited by 24 | JIF 2.6*

29. Eltoukhy M, **Kuenze C**, Oh J, Wooten S, Signorile J. Kinect-based assessment of lower limb kinematics and dynamic postural control during the star excursion balance test. Gait Posture. 2017 Oct;58:421-427. doi: 10.1016/j.gaitpost.2017.09.010. Epub 2017 Sep 9. PMID: 28910654. *Cited by 77 | JIF 2.7*

28. Slater LV, Hart JM, Kelly AR†, **Kuenze CM***. Progressive Changes in Walking Kinematics and Kinetics After Anterior Cruciate Ligament Injury and Reconstruction: A Review and Meta-Analysis. J Athl Train. 2017 Sep;52(9):847-860. doi: 10.4085/1062-6050-52.6.06. PMID: 28985125; PMCID: PMC5634233. *Cited by 265 | JIF 2.6*

27. Bell DR, Pfeiffer KA, Cadmus-Bertram LA, Trigsted SM, Kelly A†, Post EG, Hart JM, Cook DB, Dunn WR, **Kuenze C***. Objectively Measured Physical Activity in Patients After Anterior Cruciate Ligament Reconstruction. Am J Sports Med. 2017 Jul;45(8):1893-1900. doi: 10.1177/0363546517698940. Epub 2017 Apr 18. PMID: 28419817; PMCID: PMC5586218. *Cited by 183 | JIF 5.4*

26. Eltoukhy M, **Kuenze C**, Oh J, Jacopetti M, Wooten S, Signorile J. Microsoft Kinect can distinguish differences in over-ground gait between older persons with and without Parkinson's disease. Med Eng Phys. 2017 Jun;44:1-7. doi: 10.1016/j.medengphy.2017.03.007. Epub 2017 Apr 10. PMID: 28408157. *Cited by 109 | JIF 2.4*

25. Leyva A, Balachandran A, Britton JC, Eltoukhy M, **Kuenze C**, Myers ND, Signorile JF. The development and examination of a new walking executive function test for people over 50years of age. Physiol Behav. 2017 Mar 15;171:100-109. doi: 10.1016/j.physbeh.2017.01.002. Epub 2017 Jan 4. PMID: 28063787. *Cited by 8 | JIF 2.7*

24. Eltoukhy M, Oh J, **Kuenze C**, Signorile J. Improved kinect-based spatiotemporal and kinematic treadmill gait assessment. Gait Posture. 2017 Jan;51:77-83. doi: 10.1016/j.gaitpost.2016.10.001. Epub 2016 Oct 4. PMID: 27721202. *Cited by 203 | JIF 2.7*

23. **Kuenze C**, Eltoukhy M, Kelly A†, Kim CY. Impact of quadriceps strengthening on response to fatiguing exercise following ACL reconstruction. J Sci Med Sport. 2017 Jan;20(1):6-11. doi: 10.1016/j.jsams.2016.04.015. Epub 2016 May 21. PMID: 27247167. *Cited by 24 | JIF 4.5*

22. **Kuenze CM**, Blemker SS, Hart JM. Quadriceps function relates to muscle size following ACL reconstruction. J Orthop Res. 2016 Sep;34(9):1656-62. doi: 10.1002/jor.23166. Epub 2016 Jan 27. PMID: 26763833. *Cited by 116 | JIF 2.4*

21. Travascio F, Jun HP, Eltoukhy M, **Kuenze C**, Asfour, Signorile J. Fluoroscopic Imaging Allows Quantification of Changes in Patellar Tracking due to Taping in Subject with Patellofemoral Pain. *J Sport Med*. 2016; 3(1): 020. *Cited by 0 | JIF NA*

20. **Kuenze C**, Eltoukhy M, Thomas A, Sutherlin M, Hart J. Validity of Torque-Data Collection at Multiple Sites: A Framework for Collaboration on Clinical-Outcomes Research in Sports Medicine. J Sport Rehabil. 2016 May;25(2):173-80. doi: 10.1123/jsr.2014-0314. Epub 2015 Aug 26. PMID: 26308985. *Cited by 10 | JIF 1.7*

19. Ni M, Signorile JF, Mooney K, Balachandran A, Potiaumpai M, Luca C, Moore JG, **Kuenze CM**, Eltoukhy M, Perry AC. Comparative Effect of Power Training and High-Speed Yoga on Motor Function in Older Patients With Parkinson Disease. Arch Phys Med Rehabil. 2016 Mar;97(3):345-354.e15. doi: 10.1016/j.apmr.2015.10.095. Epub 2015 Nov 4. PMID: 26546987. *Cited by 190 | JIF 4.0*

18. Gribbin TC, Slater LV, Herb CC, Hart JM, Chapman RM, Hertel J, **Kuenze CM***. Differences in hip-knee joint coupling during gait after anterior cruciate ligament reconstruction. Clin Biomech (Bristol, Avon). 2016 Feb;32:64-71. doi: 10.1016/j.clinbiomech.2016.01.006. Epub 2016 Jan 23. PMID: 26851564. *Cited by 54 | JIF 1.8*

17. Eltoukhy M, Kelly A†, Kim CY, Jun HP, Campbell R†, **Kuenze C***. Validation of the Microsoft Kinect® camera system for measurement of lower extremity jump landing and squatting kinematics. Sports Biomech. 2016;15(1):89-102. doi: 10.1080/14763141.2015.1123766. Epub 2016 Feb 2. PMID: 26835547. *Cited by 54 | JIF 2.0*

16. Goetschius J, **Kuenze CM**, Hart JM. Knee extension torque variability after exercise in ACL reconstructed knees. J Orthop Res. 2015 Aug;33(8):1165-70. doi: 10.1002/jor.22858. Epub 2015 May 28. PMID: 25994515. *Cited by 29 | JIF 2.4*

15. **Kuenze CM**, Foot N, Saliba SA, Hart JM. Drop-Landing Performance and Knee-Extension Strength After Anterior Cruciate Ligament Reconstruction. J Athl Train. 2015 Jun;50(6):596-602. doi: 10.4085/1062-6050-50.2.11. Epub 2015 May 15. PMID: 25978101; PMCID: PMC4527443. *Cited by 63 | JIF 2.6*

14. Eltoukhy M, **Kuenze C**, Jun HP, Asfour S, Travascio F. Assessment of dynamic balance via measurement of lower extremities tortuosity. Sports Biomech. 2015 Mar;14(1):18-27. doi: 10.1080/14763141.2015.1025238. Epub 2015 Apr 21. PMID: 25895607. *Cited by 5 | JIF 2.0*

13. **Kuenze CM**, Hertel J, Weltman A, Diduch D, Saliba SA, Hart JM. Persistent neuromuscular and corticomotor quadriceps asymmetry after anterior cruciate ligament reconstruction. J Athl Train. 2015 Mar;50(3):303-12. doi: 10.4085/1062-6050-49.5.06. Epub 2015 Jan 26. PMID: 25622244; PMCID: PMC4477927. *Cited by 233 | JIF 2.6*

12. **Kuenze C**, Hertel J, Saliba S, Diduch DR, Weltman A, Hart JM. Clinical thresholds for quadriceps assessment after anterior cruciate ligament reconstruction. J Sport Rehabil. 2015 Feb;24(1):36-46. doi: 10.1123/jsr.2013-0110. Epub 2014 Sep 8. PMID: 25203517. *Cited by 132 | JIF 1.7*

11. Hart JM, **Kuenze CM**, Diduch DR, Ingersoll CD. Quadriceps muscle function after rehabilitation with cryotherapy in patients with anterior cruciate ligament reconstruction. J Athl Train. 2014 Nov-Dec;49(6):733-9. doi: 10.4085/1062-6050-49.3.39. PMID: 25299442; PMCID: PMC4264644. *Cited by 128 | JIF 2.6*

10. **Kuenze C**, Hertel J, Weltman A, Diduch DR, Saliba S, Hart JM. Jogging biomechanics after exercise in individuals with ACL-reconstructed knees. Med Sci Sports Exerc. 2014 Jun;46(6):1067-76. doi: 10.1249/MSS.0000000000000217. PMID: 24247199. *Cited by 76 | JIF 4.0*

9. Norte GE, **Kuenze C**, Hart JM. Closed chain assessment of quadriceps activation using the superimposed burst technique. J Electromyogr Kinesiol. 2014 Jun;24(3):341-7. doi: 10.1016/j.jelekin.2014.03.008. Epub 2014 Apr 1. PMID: 24731724. *Cited by 3 | JIF 2.7*

8. Tompkins M, **Kuenze CM**, Diduch DR, Miller MD, Milewski MD, Hart JM. Clinical and Functional Outcomes following Primary Repair versus Reconstruction of the Medial Patellofemoral Ligament for Recurrent Patellar Instability. J Sports Med (Hindawi Publ Corp). 2014;2014:702358. doi: 10.1155/2014/702358. Epub 2014 Mar 20. PMID: 26464893; PMCID: PMC4590910. *Cited by 33 | JIF NA*

7. Goetschius J, **Kuenze CM**, Saliba S, Hart JM. Reposition acuity and postural control after exercise in anterior cruciate ligament reconstructed knees. Med Sci Sports Exerc. 2013 Dec;45(12):2314-21. doi: 10.1249/MSS.0b013e31829bc6ae. Erratum in: Med Sci Sports Exerc. 2014 Apr;46(4):844. PMID: 24240119. *Cited by 32 | JIF 4.0*

6. **Kuenze C**, Hertel J, Hart JM. Effects of exercise on lower extremity muscle function after anterior cruciate ligament reconstruction. J Sport Rehabil. 2013 Feb;22(1):33-40. doi: 10.1123/jsr.22.1.33. Epub 2012 Jul 4. PMID: 23307572. *Cited by 48 | JIF 1.7*

5. Hart JM, **Kuenze CM**, Pietrosimone BG, Ingersoll CD. Quadriceps function in anterior cruciate ligament-deficient knees exercising with transcutaneous electrical nerve stimulation and cryotherapy: a randomized controlled study. Clin Rehabil. 2012 Nov;26(11):974-81. doi: 10.1177/0269215512438272. Epub 2012 Mar 7. PMID: 22399575. *Cited by 66 | JIF 2.9*

4. Roberts D, **Kuenze C**, Saliba S, Hart JM. Accessory muscle activation during the superimposed burst technique. J Electromyogr Kinesiol. 2012 Aug;22(4):540-5. doi: 10.1016/j.jelekin.2012.01.008. Epub 2012 Feb 8. PMID: 22321959. *Cited by 43 | JIF 2.7*

3. Stern A, **Kuenze C**, Herman D, Sauer LD, Hart JM. A gender comparison of central and peripheral neuromuscular function after exercise. J Sport Rehabil. 2012 Aug;21(3):209-17. doi: 10.1123/jsr.21.3.209. Epub 2011 Dec 30. PMID: 22234944. *Cited by 16 | JIF 1.7*

2. Cross KM, **Kuenze C**, Grindstaff TL, Hertel J. Thoracic spine thrust manipulation improves pain, range of motion, and self-reported function in patients with mechanical neck pain: a systematic review. J Orthop Sports Phys Ther. 2011 Sep;41(9):633-42. doi: 10.2519/jospt.2011.3670. Epub 2011 Aug 31. PMID: 21885904. *Cited by 237 | JIF 6.9*

1. **Kuenze C**, Hart JM. Cryotherapy to treat persistent muscle weakness after joint injury. Phys Sportsmed. 2010 Oct;38(3):38-44. doi: 10.3810/psm.2010.10.1806. PMID: 20959694. *Cited by 21 | JIF 1.6*

EDITORIALS

1. Harkey MS, Hart HF, **Kuenze C**, Lo G, Kraus VB, Chu CR, Driban JB. Preventing osteoarthritis after anterior cruciate ligament injury: the case for targeting pre-osteoarthritis illness. Osteoarthritis Cartilage. 2026;34(4):504-508. doi: 10.1016/j.joca.2025.12.005. Epub 2025 Dec 12. PMID: 41391746; PMCID: PMC13124009.

2. Mangum LC, **Kuenze C**. Responsible Use of Artificial Intelligence in the National Athletic Trainers' Association Journals Manuscript Review Process. J Athl Train. 2025 Nov 25;60(11):754-755. doi: 10.4085/1062-6050-1006.25. PMID: 41321363; PMCID: PMC12658891.

3. Kupperman N, Magee N, **Kuenze C***. Call to integrate long tail and dark data for the advancement of sports medicine research. Br J Sports Med. 2025 Sep 2;59(18):1270-1273. doi: 10.1136/bjsports-2024-108890. PMID: 40240128.

INVITED MANUSCRIPTS

1. Eltoukhy M, **Kuenze C.** Moving Toward Clinic-Based Motion Analysis: Kinect® Camera as an Example. Sports and Exercise Medicine Journal. 2015 October.

2. **Kuenze CM,** Kelly AR. Quadriceps Symmetry after ACL Reconstruction. Lower Extremity Review Magazine. 2015 November.

LETTERS TO THE EDITOR

1. Harkey MS, **Kuenze C**, Lo GH, Driban JB. Letter to the editor regarding "Symptoms indicative of early knee osteoarthritis after ACL reconstruction: Descriptive analysis of the SHIELD cohort". Osteoarthr Cartil Open. 2025 Aug 12;7(4):100662. doi: 10.1016/j.ocarto.2025.100662. PMID: 40893582; PMCID: PMC12395150.

2. Norte GE, Sherman DA, Rush JL, Ingersoll CD, Bodkin SG, Snyder-Mackler L, Grindstaff TL, Burland JP, Hopkins JT, Blackburn T, Chaput M, Konishi Y, Rice DA, Hart JM, Harkey MS, Zarzycki R, Palmieri-Smith RM, Lepley LK, Lepley AS, Pamukoff DN, Park J, Lisee C, Pietrosimone B, Thomas AC, Goetschius J, Tourville TW, Kidgell DJ, **Kuenze CM**. Advancing Clinical Evaluation and Treatment of Arthrogenic Muscle Inhibition: A Need for Validation and Innovation-Letter to the Editor. Am J Sports Med. 2024 Oct;52(12):NP34-NP36. doi: 10.1177/03635465241272410. PMID: 39432392.

PUBLISHED BOOK CHAPTERS

1. Kelly DK, **Kuenze CM**, Ingersoll CD, Hart JM. Weightlifting. In: O'Connor FG, ed. ACSM's Sports Medicine: A Comprehensive Review. 2nd ed. Philadelphia, PA: Wolters Kluwer; 2025.

2. **Kuenze CM,** Hart JM. Sports Knee Rating Systems and Related Statistics. In: Scott WN, ed. Insall & Scott Surgery of the Knee. 6th ed. Philadelphia, PA: Elsevier; 2017.

3. Hart JM, **Kuenze CM**. Sports Knee Rating Systems and Related Statistics. In: Scott WN, ed. Insall & Scott Surgery of the Knee. 5th ed. Philadelphia, PA: Elsevier Churchill Livingstone; 2011.

4. Hart JM, **Kuenze CM**, Ingersoll CD. Weightlifting. In: O'Connor FG, Casa DJ, Sallis RE, Wilder RP, St. Pierre P, eds. ACSM's Sports Medicine: A Comprehensive Review. 1st ed. Philadelphia, PA: Wolters Kluwer Health/Lippincott Williams & Wilkins; 2012.

POPULAR MEDIA

1. Hughen C, host. Clinical thresholds for quad strength after ACLR, with Chris Kuenze [podcast]. The E3 Rehab Podcast. Episode 275. October 20, 2026. https://podcasts.apple.com/us/podcast/275-clinical-thresholds-for-quad-strength-after-aclr/id1484112288?i=1000797233216. Video: https://www.youtube.com/watch?v=w6CU5fOJAso.

2. Post E, host. Arrow Study Group, with Chris Kuenze and Shelby Baez [podcast]. Pediatric Sports Lab: A PRiSM Podcast. June 26, 2026. https://podcasts.apple.com/us/podcast/arrow-study-group/id1781826641

3. Breen A. Q&A: Why are ACL injuries so common in soccer? UVA Today. June 10, 2026. University of Virginia. https://news.virginia.edu/content/qa-why-are-acl-injuries-so-common-soccer

4. Chang ES, Eliasberg CD, Lian J, **Kuenze CM**. Return to play after ACL reconstruction: integrating key metrics. Sports Medicine Update. Winter 2025. American Orthopaedic Society for Sports Medicine. https://www.sportsmed.org/membership/sports-medicine-update/winter-2025/return-to-play-after-acl-integrating-key-metrics.

5. Breen A. UVA study hopes to heal confidence along with torn ligaments. UVA Today. September 26, 2025. University of Virginia. https://news.virginia.edu/content/uva-study-hopes-heal-confidence-along-torn-ligaments.

6. Breen A, host. Are you sure I'm ready? Anxiety and ACL surgery recovery [podcast]. EdLab Podcast. University of Virginia School of Education and Human Development; September 26, 2025. https://education.virginia.edu/news-stories/edlab-podcast-are-you-sure-im-ready-anxiety-and-acl-surgery-recovery.

7. Breen A. Researchers work to reduce, delay arthritis after ACL reconstruction. UVA Today. February 16, 2024. University of Virginia. https://news.virginia.edu/content/researchers-work-reduce-delay-arthritis-after-acl-reconstruction

8. JOSPT Insights. Raising the bar in ACL rehabilitation, with Drs Chris Kuenze and Adam Weaver [podcast]. Episode 121. February 27, 2023.

PUBLISHED ABSTRACTS

1. Madrak E, Impastato K, **Kuenze C**. Considerations for Physical Activity in Women Currently Enrolled in Higher Education. J Athl Train. 2026 Jun. 61(6S): S228.

2. Feeley S, Dawood R, Sharma P, Mwendwa JM, **Kuenze CM**, Chang ES, Bryant BJ. Bio-Integrative Fixation of Tibial Tubercle Osteotomy Using Mineral Fiber-Reinforced Screws. Podium presentation, Arthroscopy Association of North America (AANA) Annual Meeting, May 8–10, 2025, Washington, DC. Arthroscopy. 2026 Apr;42(S1):S14. doi: 10.1002/arj.70259. PMID: 42059776. (2025 AANA Patellofemoral Anatomy Research Excellence Award, presented to first author Scott Feeley, MD, and the Inova Sports Medicine team.)

3. Roman DP, Ulman S, Butler L, Walker C, Douthit T, **Kuenze C**, ARROW, Baez S. Age and Sex Differences in ACL-RSI Subscale Scores of Emotion, Risk-Appraisal and Confidence after ACLR. American Academy of Sports Physical Therapy Poster Presentation Abstracts SPO1-SPO139. JOSPT Open 2025 3:2, CSM175-CSM230.

4. Butler L, Ulman S, Roman D, Walker C, Douthit T, **Kuenze C**, ARROW, Baez S. The Relationship Between Physical Activity Level and Psychological Readiness to Return to Sport after Anterior Cruciate Ligament Reconstruction. American Academy of Sports Physical Therapy Poster Presentation Abstracts SPO1-SPO139. JOSPT Open 2025 3:2, CSM175-CSM230.

5. Weaver A, Roman D, **Kuenze C**. Early Quadriceps Strength Recovery Is Not Related to Second Anterior Cruciate Ligament Injury in Adolescents. American Academy of Sports Physical Therapy Poster Presentation Abstracts SPO1-SPO139. JOSPT Open 2025 3:2, CSM175-CSM230.

6. Weaver AP. Thompson X, ARROW, **Kuenze C**. Isokinetic Knee Strength and Patient Reported Outcomes Differ between ACL Reconstruction Graft Types in AdolescentsA. merican Academy of Sports Physical Therapy Platform Presentation Abstracts SPL1-SPL78. JOSPT Open 2025 3:2, CSM31-CSM63.

7. Butler L, Ulman S, Roman D, Walker C, Douthit T, **Kuenze C**, ARROW, Baez S. The Relationship Between Psychological Readiness to Return to Sport and Kinesiophobia in Adolescents and Young Adults after Anterior Cruciate Ligament ReconstructionA. merican Academy of Sports Physical Therapy Poster Presentation Abstracts SPO1-SPO139. JOSPT Open 2025 3:2, CSM175-CSM230

8. Butler L, Ulman S, Roman D, Walker C, Douthit T, **Kuenze C**, ARROW, Baez S. Physical Activity Predicts Psychological Readiness to Return to Sport After Anterior Cruciate Ligament Reconstruction. American Academy of Sports Physical Therapy Poster Presentation Abstracts SPO1-SPO139. JOSPT Open 2025 3:2, CSM175-CSM230

9. Southall KE, Cross KM, Moler CB, **Kuenze CM**. Changes In Psychological Readiness And Quadriceps Strength From Early To Late Rehabilitation Following ACL Reconstruction. Medicine & Science in Sports & Exercise 57(10S):p 337-338, October 2025.

10. Swanson WL, Xu J, Goss D. **Kuenze C**, Hertel J, Jaffri A, Soland J, Saliba SA. The Effect Of Home Rehabilitation Exercises And Minimalist Shoes On Impact Forces And Pain. Medicine & Science in Sports & Exercise 57(10S):p 733, October 2025.

11. Abdelbarry S, Xu J, Goss DD, Hertel J, **Kuenze C**, Jaffri AH, Soland J, Saliba SA. Plantar Fasciopathy Pain Correlates With Time Between Peaks Symmetry But Not Intrinsic Foot Muscle Strength. Medicine & Science in Sports & Exercise 57(10S):p 731, October 2025.

12. Xu J, Hertel J, **Kuenze C**, Jaffri AH, Soland J, Saliba SA. Rehabilitation Exercises And Minimalist Shoes Strengthen Intrinsic Foot Muscles In Adults With Plantar Fasciopathy. Medicine & Science in Sports & Exercise 57(10S):p 732-733, October 2025.

13. Thompson XD, Bruce Leicht AS, Resch JE, **Kuenze C**, Brockmeier SF, Carpenter LS, Lee D, Gandhi SP, Almario AN, Hart JM. The Torque Velocity Relationship And Second ACL Injury Risk. Medicine & Science in Sports & Exercise 57(10S):p 697-698, October 2025.

14. Walaszek MC, ARROW, **Kuenze C**. The Relationship Between Childhood Opportunity Index On Strength Outcomes 4-6 Months After ACL Reconstruction: 1226. Medicine & Science in Sports & Exercise 57(10S):p 388, October 2025.

15. Xu J, Hertel J, **Kuenze CM**, Soland J, Jaffri AH, Danner I, Saliba SA. Home Rehabilitation Exercises and Minimalist Shoes Improve Self-Reported Pain and Function in Adults With Plantar Fasciopathy. J Athl Train. 2025 Jun. 60(6S): S285.

16. Thompson XD, Resch JE, **Kuenze C**, Brockmeier SF, Hart JM. Torque-Velocity Relationships and Corticospinal Excitability Following ACLR. J Athl Train. 2025 Jun. 60(6S): S257.

17. Tolzman JE, Grozier C, Parmar A, Ford D, Collins K, **Kuenze C**, Winn B, Harkey MS. Wireless Ultrasound As An Alternative Tool To Assess Muscle Characteristics In Division I Female Athletes. Medicine & Science in Sports & Exercise 56(10S):p 75-76, October 2024.

18. Grozier CD, Genoese F, Collins C, Parmar A, Tolzman J, Winn B, Fajardo R, **Kuenze C**, Harkey M. Knee Effusion-synovitis Is Not Associated With Self-reported Knee Pain In Collegiate Female Athletes. Medicine & Science in Sports & Exercise 56(10S):p 139, October 2024.

19. Genoese F, Harkey M, **Kuenze C**, Baez S. Self-Reported Anxiety Symptoms Are Associated With Knee Pain Severity In Individuals With ACL Reconstruction: 882. Medicine & Science in Sports & Exercise 56(10S):p 314-315, October 2024.

20. Harkey M, Grozier C, Tolzman J, Parmar A, Collins K, **Kuenze C**, Fajardo R, Pfeiffer KA. Ultrasound-detected Effusion-synovitis Relates To Physical Activity After Anterior Cruciate Ligament Reconstruction. Medicine & Science in Sports & Exercise 56(10S):p 61-62, October 2024.

21. Brinkman C, Murray M, Wekesser M, DeFreese JD, **Kuenze C**, Gould D, Baez S. Patient Perceptions of Psychological and Rehabilitation Experiences After ACL Reconstruction: A Qualitative Study. J Athl Train. 2024 Jun. 59(6S): S193.

22. Lisee C, **Kuenze C**, Lalush D, Dorsey J, Spang J, Pfeiffer M, Schwartz T, Pietrosimone B. Changes in Cartilage Composition Post-ACL Reconstruction After a Daily Step Promotion Intervention: A Pilot Study. J Athl Train. 2024 Jun. 59(6S): S108.

23. Birchmeier TB, Baez SE, Collins K, Genoese F, Walaszek MC, **Kuenze CM**. Change of Direction Performance Does Not Improve From 6 to 9 Months Post-ACLR. J Athl Train. 2024 Jun. 59(6S): S27.

24. Stith E, **Kuenze C**, Goetschius J. The Validity of Low-Cost Handheld Dynamometers for Assessing Quadriceps Strength in Individuals With ACL Reconstructed Knees. J Athl Train. 2024 Jun. 59(6S): S22.

25. Roman D, **Kuenze C**, Weaver A. The Relationship between Child Opportunity Index and Outcomes after Adolescent Anterior Cruciate Ligament ReconstructionA. merican Academy of Sports Physical Therapy Poster Presentation Abstracts SPO1-SPO121. JOSPT Open 2024 2:4, CSM31-CSM79

26. Weaver A, Roman D, Walaszek M, Hinderer K, Wentland B, **Kuenze C**. Early Quadriceps Strength Recovery and the Impact on Second Anterior Cruciate Ligament Injury. American Academy of Sports Physical Therapy Poster Presentation Abstracts SPO1-SPO121. JOSPT Open 2024 2:4, CSM31-CSM79

27. Birchmeier TB, Baez SE, Collins K, Genoese F, Walaszek MC, **Kuenze CM**. Is it Time to Change Directions in Return-to-Sport Testing After ACL Reconstruction? J Athl Train. 2023 Jun. 58(6S): S153.

28. Genoese FM, Reiche ET, Collins KA, Walaszek MC, Harkey MS, **Kuenze C**, Baez SE. Sex Differences in Self-Reported Symptoms of Anxiety, But Not Depression, Among Individuals With ACL Reconstruction. J Athl Train. 2023 Jun. 58(6S): S122.

29. Grozier CG, Tolzman JE, Fajardo R, Collins K, Fox B, **Kuenze C**, Harkey MS. Ultrasound-Detected Knee Effusion Does Not Affect Lower Limb Loading During Drop-Vertical Jumps in Division I Collegiate Female Athletes. J Athl Train. 2023 Jun. 58(6S): S325.

30. Harkey MS, Grozier C, Tolzman J, Fagan M, Collins K, **Kuenze C**, Fajardo R. Ultrasound-Detected Knee Effusion Synovitis is Highly Prevalent and Associated With Asymmetrical Lower Limb Loading During Treadmill Walking in People 1 to 5 Years After ACL Reconstruction. J Athl Train. 2023 Jun. 58(6S): S119.

31. **Kuenze C**, Pietrosimone B, Currie KD, Walton SR, Kerr ZY, Brett BL, Chandran A, DeFreese JD, Mannix R, Echemendia RJ, McCrea M, Guskiewicz KM, Meehan WP. Joint Injury and Osteoarthritis Are Associated With Cardiovascular Disease Risk Factors in Former NFL Athletes: An NFL-LONG Study. J Athl Train. 2023 Jun. 58(6S): S76.

32. Petit KM, **Kuenze C**, Pfeiffer KA, Fitton N, Saffarian M, Covassin T. Acute Symptom Reporting is Not Associated with Post-Concussion Physical Activity Participation. J Athl Train. 2023 Jun. 58(6S): S320.

33. Reiche ET, Genoese FM, Collins KA, Walaszek MC, Harkey MS, **Kuenze CM**, Baez SE. Kinesiophobia is Associated with Lower Extremity Perceptual-Motor Function After ACL Reconstruction. J Athl Train. 2023 Jun. 58(6S): S126.

34. Thompson XD, Bruce Leicht AS, **Kuenze C**, Hart JM. Psychological Readiness Among Patients Following ACLR and ACLR Revision Surgery. J Athl Train. 2023 Jun. 58(6S): S97.

35. Tolzman JE, Collins K, Grozier CD, Keen M, Fajardo R, Triplett A, **Kuenze C**, Harkey MS. Ultrasound-Based Thigh Fat Thickness Is Comparable to Dual-Energy X-ray Absorptiometry for Estimating Total Body Fat Percentage in Division I Collegiate Female Athletes. J Athl Train. 2023 Jun. 58(6S): S32.

36. Cherelstein R, **Kuenze C**, Curley A, et al. Lower Socioeconomic Status Adversely Affects Timing of Care and Rate of Re-Injury Following Anterior Cruciate Ligament Reconstruction. Orthopaedic Journal of Sports Medicine. 2023;11(7_suppl3). doi:10.1177/2325967123S00056

37. **Kuenze C**, Collins K, Weaver A, Giampetruzzi N, Grindstaff T, Farmer B, Walaszek M, Baez S, Harkey M. Biologic Sex and Age Influence Quadriceps Strength at 6 Months Post-Anterior Cruciate Ligament Reconstruction. Presented at the 2023 Orthopaedic Research Society Annual Meeting, Dallas, TX.

38. Collins K, Harkey M, Baez S, Lisee C, Birchmeier T, Triplett A, McGuire T, **Kuenze C**. Knee Function is Associated with Limb Loading Symmetry Among Women 6 Months Following Anterior Cruciate Ligament Reconstruction. Presented at the 2023 Orthopaedic Research Society Annual Meeting, Dallas, TX.

39. **Kuenze C**, Lisee C, Triplett A, Collins K, Walaszek M, Lewis J, Farner N, Baez SE. Development and Validation of a Survey to Characterize Barriers to Physical Activity Reengagement after Anterior Cruciate Ligament Reconstruction. Presented at the 2023 Pediatric Research in Sports Medicine Annual Meeting. Denver, CO.

40. Walaszek MC, Collins K, Genoese FM, Reiche E, Triplett AN, Harkey M, Shingles M, **Kuenze C**. Rehabilitation Phase Does Not Influence Isokinetic Quadriceps and Hamstrings Strength Symmetry following Anterior Cruciate Ligament Reconstruction. Presented at the 2023 Pediatric Research in Sports Medicine Annual Meeting. Denver, CO.

41. Triplett AN, Pivarnik JM, Currie KD, Wilcox CL, **Kuenze C**. The Impact Of Anterior Cruciate Ligament Reconstruction On Cardiorespiratory Fitness And Body Composition. Med Sci Sports Exerc. Sep 2023 55(9S):p 84-85.

42. Grozier C, Tolzman J, Lineman B, Collins K, Triplett A, Haynes B, **Kuenze C**, Harkey M. Greater Lower Extremity Loading Is Associated With Thicker Trochlear Cartilage In Division I Female Athletes. Med Sci Sports Exerc. Sep 2023 55(9S):p 232-233.

43. Birchmeier TB, Baez SE, Collins K, Genoese F, Walaszek M, **Kuenze CM**. Sex Related Differences In Laboratory- And Field-based Change Of Direction Tasks After ACL Reconstruction Med Sci Sports Exerc. Sep 2023 55(9S):p 334-335.

44. Grozier C, Collins K, **Kuenze C**, Keen M, Fajardo R, Slade J, Harkey MS. Rectus Femoris Ultrasound Echo Intensity Can Validly Estimate Percent Intramuscular Fat in Patients Following Anterior Cruciate Ligament Reconstruction. Osteoarthritis and Cartilage, Volume 31, S292 - S293.

45. Petushek EJ, Petit CB, Lamplot JD, Diekfuss JA, Myer GD, **Kuenze C**. Latent profile analysis of patient reported outcomes following ACL reconstruction. 16th Annual Emory Sports Medicine Symposium, June 2023, Atlanta, GA.

46. Ward SH, Driban J, **Kuenze C**, Mahmoudian A, Meiring R, O'Brien D, Harkey MS. Longitudinal Change in Early Knee Osteoarthritis Symptoms Following Anterior Cruciate Ligament Reconstructiono. ral presentation at the Osteoarthritis Research Network Annual Conference 2023, Dunedin NZ.

47. Cherelstein RE, **Kuenze CM**, Walaszek MC, Brumfield ER, Lewis JN, Hughes GA, Chang ES. Evaluating Gait Symmetry 6 Months after ACL Reconstruction with Quadriceps Tendon Autograft using Wireless Force Sensing Insoles in the Clinical Environment. Presented at the 2023 American Society for Biomechanics Annual Meeting. Knoxville, TN.

48. **Kuenze C**, Collins K, Goss DD, Pfeiffer KA, Walaszek MC, Harkey M. Knee Symptoms Are Not Associated with Free-Living Cadence Among Adolescents with Anterior Cruciate Ligament Reconstruction. Presented at the 2023 American Society for Biomechanics Annual Meeting. Knoxville, TN.

49. Collins K, Lisee C, Harkey M, Goss D, Pfeiffer KA, Kim J, **Kuenze C**. Peak Minute-Level Cadence is Associated with Laboratory Gait Speed and Vertical Ground Reaction Forces following Anterior Cruciate

Ligament Reconstruction. Presented at the 2023 American Society for Biomechanics Annual Meeting. Knoxville, TN.

50. Triplett AN, Woeber NA, Pivarnik JM, Wilcox CL, Currie KD, **Kuenze CM**. Change in Body Weight and Body Mass Index of Adolescents and Adults From Pre-Surgery to Post-Anterior Cruciate Ligament Reconstruction. Ortho J Sport Med. May 2022. doi:10.1177/2325967121S00382

51. **Kuenze C**, Lewis J, Farner N, Lisee C, Schorfhaar A, Erickson K. Patient, Parent, and Physical Therapist Perceptions of Rehabilitation Following ACL Reconstruction: A Multiple Stakeholder Qualitative Study. Ortho J Sport Med. May 2022. doi:10.1177/2325967121S00512

52. Triplett AN, Pivarnik JM, Currie KD, Wilcox L, **Kuenze CM**. Cardiovascular Health Of Individuals With Anterior Cruciate Ligament Reconstruction: 2145. Medicine & Science in Sports & Exercise 54(9S):p 622, September 2022. | DOI: 10.1249/01.mss.0000882884.21985.0e

53. Zynda AJ, Baez S, Wallace J, **Kuenze C**, Covassin T. The Reliability Of A Computerized Sensory Station For The Assessment Of Visual And Sensorimotor Skills: 269. Medicine & Science in Sports & Exercise 54(9S):p 67, September 2022. | DOI: 10.1249/01.mss.0000875856.52977.c5

54. Anderson M, **Kuenze C**, Pivarnik JM, Fenn KM, Covassin T. The Influence Of Habitual, Device-Measured Sleep Duration On Baseline Computerized Neurocognitive Performance And Concussion Symptoms: 263. Medicine & Science in Sports & Exercise 54(9S):p 65, September 2022. | DOI: 10.1249/01.mss.0000875832.29393.bc

55. Birchmeier TB, Lisee CM, Baez SE, Ranganathan R, Covassin T, Schorfhaar A, **Kuenze CM**. Knee Kinetics During Change of Direction After ACL Reconstruction. J Athl Train. 2022 Jun. 57(6S): S316.

56. Lisee C, Collins K, Harkey M, Covassin T, Pfeiffer K, Kovan J, Currie K, **Kuenze C**. Cumulative Loading Is Associated With Thicker Femoral Cartilage After ACL Reconstruction. J Athl Train. 2022 Jun. 57(6S): S313.

57. Baez SE, Genoese FM, Harkey MS, Pietrosimone B, **Kuenze CM**. Mobile-Delivered Mindfulness Meditation in Individuals With ACL Reconstruction: A Phase I, Single-Arm Feasibility Study. J Athl Train. 2022 Jun. 57(6S): S294.

58. Harkey MS, Baez SE, Genoese FM, Reiche E, Collins K, Walaszek M, Triplett A, Wilcox CL, Schorfhaar A, Shingles M, **Kuenze C**. The Majority of Individuals Meet Criteria for Early Knee Osteoarthritis Symptoms Throughout the First Two Years Post-ACL Reconstruction. J Athl Train. 2022 Jun. 57(6S): S134.

59. Genoese FM, Harkey MS, **Kuenze CM**, Baez SE. The Relationship Between Pain Catastrophizing and Reaction Time in Individuals With ACL Reconstruction. J Athl Train. 2022 Jun. 57(6S): S132.

60. **Kuenze C**, Collins K, Walaszek MC, Genoese F, Reiche E, Triplett AN, Harkey MS, Wilcox CL, Schorfhaar A, Shingles M, Joseph S, Baez SE. Adolescents and Adults Experience Different Psychological Response to Injury Five Months After ACL Reconstruction. J Athl Train. 2022 Jun. 57(6S): S128.

61. Reiche ET, Genoese FM, Harkey MS, Collins K, Walaszek MC, Triplett AN, **Kuenze CM**, Baez SE. No Differences in Lower Extremity Visuomotor Reaction Time Between Patients With Contact and Non-Contact ACL Injuries. J Athl Train. 2022 Jun. 57(6S): S97.

62. Walaszek MW, Collins KA, Genoese FM, Reiche ET, Triplett AN, Harkey M, Baez SE, **Kuenze C**. Landing Kinetics Do Not Differ Based on Meniscal Surgical Interventions at the Time of ACL Reconstruction. ACL Research Retreat IX, March 17–19, 2022, High Point, NC. J Athl Train. 2022;57(9-10):996-1015. doi: 10.4085/1062-6050-1005.22.

63. Genoese FM, Walaszek MC, Collins KA, Reiche ET, Triplett AN, Harkey MS, **Kuenze C**, Baez SE. Sex Differences in Lower Extremity Visuomotor Reaction Time in Individuals with History of ACL

Reconstruction. ACL Research Retreat IX, March 17–19, 2022, High Point, NC. J Athl Train. 2022;57(9-10):996-1015. doi: 10.4085/1062-6050-1005.22.

64. Harkey MS, Baez SE, Genoese FM, Reiche E, Collins K, Walaszek M, Triplett A, Wilcox CL, Schorfhaar A, Shingles M, Joseph S, **Kuenze C**. Adolescent and Adult Participants Differ in the Change in the Prevalence of Early Knee Osteoarthritis Symptoms after ACL Reconstruction. ACL Research Retreat IX, March 17–19, 2022, High Point, NC. J Athl Train. 2022;57(9-10):996-1015. doi: 10.4085/1062-6050-1005.22.

65. Baez SE, Harkey MS, Birchmeier T, Triplett AN, Collins K, **Kuenze CM**, Psychological Readiness and Injury-Related Fear are Associated With Early Knee Osteoarthritis Symptoms After ACL Reconstruction. ACL Research Retreat IX, March 17–19, 2022, High Point, NC. J Athl Train. 2022;57(9-10):996-1015. doi: 10.4085/1062-6050-1005.22.

66. Reiche ET, Collins KA, Genoese FM, Walaszek MC, Triplett AN, Harkey MS, **Kuenze CM**, Baez SE. Elevated Injury-Related Fear is Associated With Greater Knee Abduction Angle During Jump-Landing in Individuals With ACL Reconstruction. ACL Research Retreat IX, March 17–19, 2022, High Point, NC. J Athl Train. 2022;57(9-10):996-1015. doi: 10.4085/1062-6050-1005.22.

67. **Kuenze CM**, Weaver A, Grindstaff T, Ulman S, Norte GE, Roman DP, Giampetruzzi N, Lisee C, Birchmeier T, Triplett A, Farmer B, Hopper H, Sherman D, Ness BM, Collins K, Walaszek M, Baez S, Harkey MS, Wilcox CL, Schorfhaar A, Shingles M, Tulchin-Francis K, Ellis H, Wilson PL, 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. ACL Research Retreat IX, March 17–19, 2022, High Point, NC. J Athl Train. 2022;57(9-10):996-1015. doi: 10.4085/1062-6050-1005.22.

68. Collins K, **Kuenze C.** Walking Biomechanics Do Not Differ Between Symptomatic and Asymptomatic Patients 6-Months following Anterior Cruciate Ligament Reconstruction. Osteoarthr Cartil. 2021;29:S186-S187.

58. Collins KA, Hart J, **Kuenze C**. Altered Lower Extremity Biomechanics Exhibited in Walking, Not Running Following Anterior Cruciate Ligament Reconstruction. J Athl Train. 2020; 55(6S): S256.

59. Lisee C, Montoye AHK, Lewallen NF, Hernandez M, Bell DR, **Kuenze C**. Individuals With ACL Reconstruction Spend Fewer Weekly Minutes in Moderate to Vigorous Intensity Step Accumulation Compared to Healthy Participants. J Athl Train. 2020; 55(6S): S183.

60. **Kuenze C**, Collins K, Triplett A, Montoye A, Pfeiffer K, Shingles M, Lisee C. Comparison of Free Living Step Accumulation Among Adolescent Patients Six Months After ACL Reconstruction and Healthy Controls. J Athl Train. 2020; 55(6S): S182.

61. Birchmeier TB, Lisee C, Triplett A, Charlick M, Shingles M, Schorfhaar A, Wilcox CL, **Kuenze C**. Quadriceps Strength Characteristics Do Not Significantly Improve From 6- to 9-months After Anterior Cruciate Ligament Reconstruction. J Athl Train. 2020; 55(6S): S97.

62. Shingles M, Chov C, Rogers C, Lisee C, Birchmeier T, Triplett A, Straus MW, **Kuenze C**. Comparison of Clinical Outcomes between Individuals with Medial Patellofemoral Ligament Reconstruction and Anterior Cruciate Ligament Reconstruction. Oral Presentation. Orthop. J. Sports Med. 8(4)(suppl 3)

63. **Kuenze C**, Lisee C, Triplett A, Birchmeier T, Straus M, Wilcox C, Schorfhaar A, Joseph S, Shingles M. Patient-reported and Objective Measures of Physical Activity are Not Related 6-months after ACL Reconstruction. Oral and Poster Presentation. Orthop. J. Sports Med. 8(4)(suppl 3). (Kevin G. Shea Award for Best Scientific Poster)

64. Birchmeier TB, Lisee C, Geers B, **Kuenze C**. Quadriceps Strength and Plyometric Characteristics Predict Hop Performance after ACL Reconstruction. J Athl Train. 2019; 54(6S): S411.

65. Lisee C, Birchmeier T, Yan A, **Kuenze C.** Different Quadriceps Strength Characteristics Predict Sagittal Plane Movement during Activities of Daily Living and Sport Specific Movement. J Athl Train. 2019; 54(6S): S339.

66. **Kuenze C,** Bell DR, Grindstaff TL, Lisee C, Birchmeier T, Triplett A, Pietrosimone B. Demographic and Surgical Factors Influence Readiness for Sport during the First 2 Years after ACL Reconstruction. J Athl Train. 2019; 54(6S): S410.

67. Sherman DA, **Kuenze C**, Garrison CJ, Bothwell J, Bush CA, Ingersoll CD, Norte GE. Relationship Between Hamstrings Strength Indices and Self-Reported Knee Function After ACL Reconstruction. J Athl Train. 2019; 54(6S): S413. (DOCTORAL POSTER AWARD FINALIST)

68. Triplett A, **Kuenze CM.** Aerobic Fitness and Body Composition of Individuals with Anterior Cruciate Ligament Reconstruction. Med Sci Sport Exerc. 2019; 51(5S): S729.

69. **Kuenze C**, Birchmeier T, Kovan J, Lisee C. Physical and Psychological Predictors of Single-leg Drop Landing Biomechanics ACL Reconstruction. Med Sci Sport Exerc. 2019; 51(5S): S482.

70. **Kuenze C,** Lisee C, Birchmeier T, Triplett A, Wilcox CL, Schorfhaar A, Shingles M. Sex Differences in Knee Extension Rate of Torque Development and Patient-reported Function Among Individuals with Anterior Cruciate Ligament Reconstruction. Osteoarthritis Cartilage. 2019; 27(1S): S117.

71. Lisee C, Polin J, Ballard E, **Kuenze C**. Lower extremity kinematic and kinetic sex differences in landing among individuals with a history of anterior cruciate ligament reconstruction. Osteoarthritis Cartilage. 2019; 27(1S): S125-126.

72. **Kuenze C**, Pietrosimone B, Lisee C, Rutherford M, Birchmeier T, Lepley A, Hart JM. Sex Differences in Quadriceps Strength among Adolescents within 1 Year of ACL Reconstruction. Orthop J Sports Med. 2019; 7(3S).

73. **Kuenze C**, Lisee C, Trigsted S, Post E, Bell DR. A Critical Evaluation of the Landing Error Scoring System for Individuals with ACL Reconstruction. J Athl Train. 2018, 53(6S): S76.

74. Lisee C, Lepley AS, Birchmeier T, O'Hagan K, **Kuenze C.** Knee Extension Strength and Quadriceps Activation after Anterior Cruciate Ligament Reconstruction (ACLR): A Systematic-Review and Meta-Analysis. J Athl Train. 2018, 53(6S): S190.

75. Birchmeier TB, Lisee C, Davis C, Yan A, Geers B, **Kuenze C**. Sex Differences in Loading Characteristics During a Single-Leg Jump Landing Task. J Athl Train. 2018, 53(6S): S250.

76. **Kuenze C**, Cadmus-Bertram, Pfeiffer K, Lisee C, Trigsted S, Cook D, Bell D. Sex Differences In Objectively Measured Physical Activity Among Individuals With ACL Reconstruction. Med Sci Sports Exerc. 2018, 50(5S):746.

77. Lisee C, Birchmeier T, Yan A, Geers B, O'Hagan K, Davis C, **Kuenze C**. The Relationship Between Vertical Ground Reaction Force And Audio Characteristics During A Single-Leg Landing. Med Sci Sports Exerc. 2018, 50(5S):760-761

78. Rendos NK, Eltoukhy M, Smith WN, **Kuenze CM**, Signorile JF. Muscle Activation Characteristics of the Posterior Oblique Sling System in High and Low Economy Runners. Med Sci Sports Exerc. 2018, 50(5S):45.

79. Kelly AR**,** Lisee CL, **Kuenze C**. Landing Error Scoring System Symmetry in Individuals With and Without a History of ACL Reconstruction. J Athl Train. 2017, 52(6S): S162.

80. **Kuenze C,** Lisee CL, Kelly AR. Comparison of Unilateral and Symmetry-based Outcomes in Patients with ACL Reconstruction and those with Meniscus Pathology. J Athl Train. 2017, 52(6S): S163.

81. **Kuenze C**, Pfeiffer KA, Cadmus-Bertram LA, Kelly AR, Trigsted SM, Dunn WA, Bell DR. Relationship between Patient Reported and Objective Measures of Physical Activity in Individuals with ACL Reconstruction. Med Sci Sports Exerc. 2017, 49(5S): 360-361. (POSTER PRESENTATION)

82. Kelly AR, Bell DR, Pfeiffer KA, Cadmus-Bertram LA, Trigsted SM, Dunn WA, **Kuenze C**. The Relationship between Knee Related Function and Objectively Measured Physical Activity after ACL Reconstruction. Med Sci Sports Exerc. 2017, 49(5S): 361. (POSTER PRESENTATION)

83. Bell DR, Pfeiffer K, Cadmus-Bertram L, Trigsted SM, Kelly A, Post EG, Hart JM, Cook D, Dunn W, **Kuenze C**. Objectively Measured Physical Activity in Patients after ACL Reconstruction. Med Sci Sports Exerc. 2017, 49(5S): 358. (POSTER PRESENTATION)

84. Pietrosimone, B, **Kuenze C**, Hart JM, Thigpen C, Lepley AS, Blackburn JT, Padua DA, Grindstaff T, Davis HC, Bell D. Association between Body Mass Index and Self-Reported Disability in People with Unilateral Anterior Cruciate Ligament Reconstruction. Med Sci Sports Exerc. 2017, 49(5S): 419. (POSTER PRESENTATION)

85. Eltoukhy M, **Kuenze C**, Oh J, Signorile J. Balance Assessment using Microsoft Xbox Kinect. Med Sci Sports Exerc. 2017, 49(5S): 315. (POSTER PRESENTATION)

86. Oh J, Eltoukhy M, Wooten S, **Kuenze C**, Signorile J. Validation of the Kinect-based Star Excursion Balance Test. Med Sci Sports Exerc. 2017, 49(5S): 315. (POSTER PRESENTATION)

87. 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. J Athl Train. 2016, 51(6S): S-41. (POSTER PRESENTATION)

88. Slater LV, Hart JM, Kelly A, **Kuenze CM**. A Meta-Analysis of the Progression of Walking Kinematics and Kinetics Following ACL Reconstruction. J Athl Train. 2016, 51(6S): S-41. (THEMATIC POSTER PRESENTATION)

89. Kelly AR, Eltoukhy M, Kim CY, **Kuenze C**. Effects of Unilateral Quadriceps Strengthening on Quadriceps Symmetry Following ACL Reconstruction. J Athl Train. 2016, 51(6S): S-246. (POSTER PRESENTATION)

90. **Kuenze CM**, Lepley AS. Lower Extremity Jump-Landing Kinematics and Kinetics after ACL Reconstruction: A Systematic Review. J Athl Train. 2016, 51(6S): S-249. (POSTER PRESENTATION)

91. Jun H, **Kuenze C**, Lee SY, Eltoukhy M, Signorile J. Immediate Effects of Therapeutic Tapings on Pain, Muscle Activation, and Kinematics in Patellofemoral Pain During Stair Descent. J Athl Train. 2016, 51(6S): S-294. (POSTER PRESENTATION)

92. Rendos NK, Eltoukhy M, Smith WN, **Kuenze CM**, Asfour SS, Signorile JF. Identification of Sling Systems in High Economy and Low Economy Runners. Med Sci Sports Exerc. 2016 48(5S): 1081. (POSTER PRESENTATION)

93. **Kuenze C**, Kelly AR, Eltoukhy M. Impact of Quadriceps Strengthening on Quadriceps Function and Patient Reported Outcomes after ACL Reconstruction. Med Sci Sports Exerc. 2016 48(5S0): 889. (POSTER PRESENTATION)

94. Kelly AR, **Kuenze C**, Kim CY, Jun HP, Campbell R, Eltoukhy M. The Effectiveness of a Video Game Camera System for Measurement of Landing and Squatting Kinematics. Med Sci Sports Exerc. 2016 48(5S): 797. (POSTER PRESENTATION)

95. **Kuenze C**, Hertel J, Weltman A, Diduch DR, Saliba S, Hart JM. Temporo-Spatial Asymmetry in Individuals with a History of ACL Reconstruction. J Athl Train. 2015, 50(6S): S-159. (THEMATIC POSTER PRESENTATION)

96. Jun H, **Kuenze C**, Eltoukhy M, Lee SY, Kim CY, Harriell K, Signorile J. Immediate Effects of Therapeutic Tapings in Individuals With Patellofemoral Pain During Functional Task Performance. J Athl Train. 2015, 50(6S): S-272. (POSTER PRESENTATION)

97. Jun H, Travascio F, Eltoukhy M, **Kuenze C**, Asfour S, Signorile J. Fluoroscopic Video Imaging as a Clinical Tool for Assessing Patellar Maltracking. Med Sci Sports Exerc. 2015, 47(5S): 89. (POSTER PRESENTATION)

98. Eltoukhy M, Wagener G, Ordille A, Drozdowicz K, Epstein C, **Kuenze C**, Signorile J. Effect of Individualized High-Velocity Resistance Training on Balance Performance in Children with Cerebral Palsy. Med Sci Sports Exerc. 2015, 47(5S): 310. (POSTER PRESENTATION)

99. Rendos NK, **Kuenze C**, Eltoukhy M, Travascio F, Jun H, Asfour S, Signorile JF. Tortuosity as a Novel Assessment Tool of Dynamic Balance. Med Sci Sports Exerc. 2015, 47(5S): 555. (POSTER PRESENTATION)

100. Gribbin T, Slater L, Herb C, **Kuenze C**, Chapman R, Hertel J, Hart J. Differences in Hip-Knee Joint Coupling during Gait after ACL Reconstruction. Med Sci Sports Exerc. 2015, 47(5S): 576. (THEMATIC POSTER PRESENTATION)

101. **Kuenze C**, Jun H, Kim C, Kelly A, Eltoukhy M. Impact of a 2 Week Quadriceps Strengthening Program on Response to Fatigue following ACL Reconstruction. Med Sci Sports Exerc. 2015 47(5S), 836. (ORAL PRESENTATION)

102. Foot N, **Kuenze CM**, Saliba S, Hart JM. Relationship between Drop Landing Performance and Knee Extension Torque Following ACL Reconstruction. J Athl Train. 2014, 49(3S): S-85. (ORAL PRESENTATION)

103. 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. J Athl Train. 2014, 49(3S): S-123. (POSTER PRESENTATION)

104. **Kuenze C**, Hertel J, Weltman A, Diduch DR, Saliba S, Hart JM. Jogging Biomechanics After Exercise in Individuals with ACL Reconstructed Knees. J Athl Train. 2014, 49(3S): S-166. (ORAL PRESENTATION)

105. Mitha Z, Norte GE, **Kuenze C**, Read K, Handsfield G, Blemker S, Hertel J, Hart JM. Lower Extremity Muscle Volumes in ACL-Deficient Patients. J Athl Train. 2014, 49(3S): S-214. (POSTER PRESENTATION)

106. Goetschius J, **Kuenze C**, Saliba S, Hart JM. Unipedal Postural Control After Exercise in Individuals with ACL Reconstructed Knees. J Athl Train. 2013, 48(3S): S-39. (THEMATIC POSTER PRESENTATION)

107. Norte GE, **Kuenze C,** Roberts D, Hart JM. Assessment of Quadriceps Activation via Burst Superimposition in A Closed Chain Position: A Novel Approach. J Athl Train. 2013, 48(3S): S-185. (POSTER PRESENTATION)

108. Kramer N, Herb CC, **Kuenze C**, Fiorentino N, Blemker S, Hart JM, Hertel J. Hamstring Strain Injury History and Muscle Strength, Volume, and Flexibility in Intercollegiate Sprinters and Jumpers. J Athl Train. 2013, 48(3S): S-229. (POSTER PRESENTATION)

109. Roberts D, **Kuenze CM**, Saliba SA, Hart JM. Muscle Activation during the Quadriceps Superimposed Burst Technique. J Athl Train. 2012, 47(3S): S-54. (ORAL PRESENTATION)

110. **Kuenze C,** Hertel J, Hart JM. Lower Extremity Neuromuscular Function in Healthy and ACL Reconstructed Individuals following a Sub-maximal Exercise Protocol. J Athl Train. 2012, 47(3S): S-56. (ORAL PRESENTATION)

111. Lockerby M, **Kuenze CM**, Hertel J, Hart JM. Isometric Hamstrings to Quadriceps Mean Torque Ratio after Exercise in Persons with a History of Low Back Pain. J Athl Train. 2012, 47(3S): S-109. (POSTER PRESENTATION)

112. Hart JM, **Kuenze CM**, Diduch DR, Ingersoll CD. Quadriceps Central Activation following 2-weeks of Rehabilitation Exercises Augmented with Cryotherapy. J Athl Train. 2012, 47(3S): S-115. (ORAL PRESENTATION)

113. **Kuenze CM**, Zinder SM, Blackburn JT, Norcross MF. The Effects of Functional Ankle Instability and Induced Fatigue on Ankle Stiffness. J Athl Train. 2010, 45(3S): S-108. (POSTER PRESENTATION)

REFEREED PRESENTATIONS

1. Butler L, Rackauskas O, Martinez A, Roman D, **Kuenze C**, Baez S, ARROW, Ulman S. Reassessing the Role of Kinesiophobia in Second ACL Injury Risk: A Large Multicenter Cohort of Youth Athletes. Accepted for podium presentation at the 2027 Pediatric Research in Sports Medicine Annual Meeting, Orlando, FL.

2. Barnett, Z; Crepeau, A; Kuenze, C; Pacicca, D; Brown, M; Weaver, A. The Impact of Arthrofibrosis On Knee Extension Strength After Anterior Cruciate Ligament Reconstruction With Quadriceps Tendon Autograft In Adolescents. Accepted for podium presentation at the 2027 Pediatric Research in Sports Medicine Meeting, Orlando, FL.

3. Landers J, Ulman S, Prati V, ARROW[‡], Thompson X. What Is Weight Worth: The Impact of High BMI on Knee Extension Torque. Podium Presentation. ACL Research Retreat X. 2026.

4. Marmura H, Spang J, ARROW[‡], Baez S. Psychological and Physical Return-to-Sport Readiness Profiles in Patients After ACL Reconstruction. Poster Presentation (New Investigator Award). American College of Sports Medicine Annual Meeting. 2026. Salt Lake City, UT.

5. Weaver A, **Kuenze C**, Butler L, Prati VV, Chang ES, Walaszek MC[†], Ellis H, Wilson P, ARROW, Ulman S. Time to Clearance Between Males and Females Following ACL Reconstruction From 2015 to 2023: An ARROW Study. Poster Presentation. APTA Combined Sections Meeting. February 2026. Anaheim, CA.

6. Tolzman JE, **Kuenze C**, ARROW, Harkey MS. Age-Related Differences in Early Osteoarthritis Symptom Prevalence After ACL Reconstruction: Findings From the ARROW Registry. Poster Presentation. American College of Sports Medicine Annual Meeting. 2026. Salt Lake City, UT.

7. **Kuenze C**, Butler L, Weaver A, Prati V, Chang E, Walaszek M, Ellis H, Wilson P, Sharma P, ARROW, Ulman S. Trends in Time to Return-to-Sport Clearance following ACL Reconstruction from 2015 to 2023: An ARROW Study. Podium Presentation. Pediatric Research in Sports Medicine Annual Meeting. 28-30 January, 2026. Austin, TX

8. Southall K, Cross K, Moler C, Walaszek M, **Kuenze C**. The Task Dependent Effect of Sex on Anterior Cruciate Ligament Reconstruction Recovery. Poster Presentation. Pediatric Research in Sports Medicine Annual Meeting. 28-30 January, 2026. Austin, TX

9. Butler L, Martinez A, Wright M, Roman D, **Kuenze C**, Ulman S. Association between Change in BMI and Patient-Reported Outcomes after ACL Reconstruction. Poster Presentation. Pediatric Research in Sports Medicine Annual Meeting. 28-30 January, 2026. Austin, TX

10. Baez SE, Harkey M, Grozier C, Tolzman J, Frederick I, **Kuenze C**, Marmura H. Biopsychosocial predictors of kinesiophobia in patients after ACL reconstruction. 2026 ACL Research Retreat. Platform Presentation. Chapel Hill, NC. April 2026.

11. Walaszek MC†, ARROW, **Kuenze C**. The Relationship Between Childhood Opportunity Index and Strength Outcomes 4-6 Months After ACL Reconstruction. Poster Presentation. American College of Sports Medicine Annual Meeting. 2025.

12. Walaszek MC†, ARROW, **Kuenze C**. Characteristics of Adolescents and Young Adults With ACL Reconstruction Based on Childhood Opportunity Index. Poster Presentation. Pediatric Research in Sports Medicine Annual Meeting. 2025. Columbus, OH.

13. Feeley SM, Ogg RA, Cherelstein RE, **Kuenze CM**, Chang ES. No Association Between Tibial Slope and Severe Meniscus Tears with Anterior Cruciate Ligament Injury. Poster presentation. AOSSM 2025 Annual Meeting, 10-12 July, 2025, Nashville, TN.

14. Pradip K, **Kuenze C**, Weaver A, Lisee C. Associations between PEDI-IKDC, hopping, and isokinetic torque in adolescents 6 to 12 months post-ACL reconstruction. Presented at 2025 American Society of Biomechanics Conference.

15. Sikoryak III G, Hertel J, **Kuenze CM**. Predictors of Peak Impact Forces During a Jump Landing Assessment in Patients Post-ACL Reconstruction. Poster presentation. ISB 2025 Annual Meeting, 27-30 July, 2025, Stockholm, Sweden.

16. Southall KE, Cross KM, Moler CB, Fallis C, **Kuenze C**. Quadriceps Strength Symmetry is Associated With Jump Landing Symmetry at Clearance for Return to Sport after ACL Reconstruction. Poster presentation. ISB 2025 Annual Meeting, 27-30 July, 2025, Stockholm, Sweden.

17. Feeley SM, Thiru SS, Neubauer BE, Cherelstein RE, **Kuenze CM**, Rawat U, Chang ESM. agnetic Resonance Imaging Is Reliable for Measuring Glenoid Bone Losse. Poster presentation. AANA 2025 Annual Meeting, 8-10 May, 2025, Washington, D.C.

18. Feeley SM, Thiru SS, Cherelstein RE, **Kuenze CM**, Rawat U, Chang EST. hree-Dimensional Zero Echo Time Sequences Correlate to Three-Dimensional Computed Tomography for Evaluation of Glenoid Bone LossP. oster presentation. AAOS 2025 Annual Meeting, 10-14 March, 2025, San Diego, CA.

19. Cherelstein RE, **Kuenze CM**, DeFroda SF, ARROW, Chang ES. Quadriceps versus Bone-Patellar Tendon-Bone Autograft Outcomes in Young Patients: an ARROW Study. Podium. American Orthopedic Society for Sports Medicine 2025 Annual Meeting. Nashville, TN. July 10-12, 2025.

20. Cherelstein RE, **Kuenze CM**, Walaszek MC, Brumfield ER, Lewis JN, Hughes GA, Chang ES. Quadriceps Tendon Autograft Patients Demonstrate Greater Asymmetry in Landing Kinetics than Bone-Patellar Tendon-Bone Autograft Patients 6 Months After Anterior Cruciate Ligament Reconstruction. ePoster. 2025 American Academy of Orthopaedic Surgeons Annual Meeting. San Diego, CA. March 10-13, 2025.

21. Walaszek MC, ARROW, **Kuenze C**. Characteristics of Adolescent and Young Adults with Anterior Cruciate Ligament Reconstruction Based on Childhood Opportunity Index. Poster Presentation at the 2025 Pediatric Research in Sport Medicine Annual Meeting. Columbus, OH.

22. **Kuenze C**, Walaszek MC, ARROW, Baez S. Childhood Opportunity Does Not Influence ACL-RSI Scores Across the First Year After ACL Reconstruction: An ARROW Study. Podium Presentation at the 2025 Pediatric Research in Sport Medicine Annual Meeting. Columbus, OH.

23. Weaver A, Thompson XD**,** ARROW, **Kuenze C**. Isokinetic Knee Strength and Patient Reported Outcome Measures Differ Between ACL Reconstruction Graft Types in Adolescents: A Multi Center Study by the ARROW Group. Poster Presentation at the 2025 Pediatric Research in Sport Medicine Annual Meeting. Columbus, OH.

24. Feeley SM, Thiru SS, Neubauer BE, Cherelstein RE, **Kuenze CM**, Rawat U, Chang EST. wo-Dimensional Magnetic Resonance Imaging Sequences Correlate to Three-Dimensional Computed Tomography for Evaluation of Glenoid Bone LossA. merican Shoulder and Elbow Surgeons 2024 Annual Meeting, 16-19 October, 2024, San Antonio, TXP. oster presentation.

25. Feeley SM, Ogg RA, Cherelstein RE, **Kuenze CM**, Chang ES. Impact of Posterior Tibial Slope on High Severity Meniscus Tears. Eastern Orthopaedic Association Annual Meeting, 16-19 October, 2024, Palm Beach, FL. e-poster presentation.

26. Feeley SM, Thiru SS, Neubauer BE, Cherelstein RE, **Kuenze CM**, Rawat U, Chang EST. wo-Dimensional Magnetic Resonance Imaging Sequences Correlate to Three-Dimensional Computed Tomography for Evaluation of Glenoid Bone Loss. Poster Presentation at the Mid-Atlantic Shoulder and Elbow Society Annual Meeting, 6 September, 2024, Washington, D.C.

27. **Kuenze C**, Harkey MS, Baez S, Grindstaff T, Hart J, Farmer B, Roman D, Collins K, Walaszek M, Ulman S, Weaver A. Interactive Reference Value Dashboard for Performance-Based And Patient-Reported Outcome Measures In Adolescents And Young Adults With ACL Reconstruction. 2024 Pediatric Research in Sports Medicine Society Annual Meeting. Anaheim, CA. Oral Presentation.

28. Neubauer BE, **Kuenze CM**, Cherelstein RE, Nader MA, Lin A, Chang ES. Low Socioeconomic Indicators Correlate with Critical Pre-Operative Glenoid Bone Loss and Care Delays. Virginia Orthopaedic Society 2024 Annual Meeting. Tysons Corner, VA. Podium Presentation.

29. Cherelstein RE, **Kuenze CM**, Walaszek MC, Brumfield ER, Lewis JN, Hughes GA, Chang ES. Limb Symmetry during Jump Landing 6 Months after Anterior Cruciate Ligament Reconstruction: A Comparison of Autograft Options. Virginia Orthopaedic Society 2024 Annual Meeting. Tysons Corner, VA. Poster Presentation.

30. Nader MA, Cherelstein RE, **Kuenze CM**, Chang ES. Socioeconomic Indicators of Duration of Physical Therapy after ACL Reconstruction. Virginia Orthopaedic Society 2024 Annual Meeting. Tysons Corner, VA. Poster Presentation.

31. Feeley SM, Cherelstein RE, Broome JN, Neubauer BE, **Kuenze CM**, Chang ES. Bridge-Enhanced Anterior Cruciate Ligament Restoration Preferred Over Reconstruction with Hamstring Autograft in a Discrete Choice Experiment. Virginia Orthopaedic Society 2024 Annual Meeting. Tysons Corner, VA. Poster Presentation.

32. Broome JN, Cherelstein RE, Neubauer BE, **Kuenze CM**, Chang ES. Bridge-Enhanced Anterior Cruciate Ligament Restoration vs. Anterior Cruciate Ligament Reconstruction with Hamstring Autograft: A Discrete Choice Experiment. Poster. 2024 American Academy of Orthopaedic Surgeons Annual Meeting. February 12-16, 2024.

33. Neubauer BE, **Kuenze CM**, Cherelstein RE, Nader MA, Chang ES. Low Socioeconomic Indicators Correlate with Greater Pre-Operative Glenoid Bone Loss. Poster. 2024 American Academy of Orthopaedic Surgeons Annual Meeting. February 12-16, 2024.

34. Le RT, Marcum WA, Almario AN, Thompson XD, Cross K, Moler C, Gwathmey FW, Werner BC, Su CA, **Kuenze C**. Area Deprivation Index is Associated with Knee Function and Psychological Readiness for Sport during Early, Mid, and Late Rehabilitation after ACL ReconstructionO. ral Podium Presentation. Virginia Orthopaedic Society Annual Meeting, May 3-5, 2024, Tysons Corner, VA.

35. Lee D, Ambrose M, Thompson XD, Cross K, Moler C, Gwathmey FW, Werner BC, Su C, **Kuenze C**. Comparison of Patient-Reported and Objective Functional Measures between Patients with Primary and Ipsilateral Revision ACL Reconstruction. Oral Podium Presentation. Virginia Orthopaedic Society Annual Meeting, May 3-5, 2024, Tysons Corner, VA.

36. Walaszek MC, Collins K, Lineman B, Lisee C, Birchmeier T, **Kuenze C**. Adolescent and Adult Jump-Landing Vertical Ground Reaction Force 6-10 Months after Anterior Cruciate Ligament Reconstructionp. latform presentation at the 2024 American Physical Therapy Association (APTA) Combined Sections Meeting (CSM), Boston, MA.

37. Cherelstein RE, **Kuenze CM**, Walaszek MC, Brumfield ER, Lewis JN, Hughes GA, Chang ES. Jump Landing Symmetry after ACL Reconstruction with Quadriceps Tendon Autograft. Poster. Eastern Orthopaedic Association 2023 Annual Meeting. Charleston, SC. October 25-28, 2023.

38. Cherelstein RE, Walaszek MC, Chang ES, **Kuenze CM**. Lowered Physical Activity after ACL Reconstruction Decreases Quality of Life. Poster. Eastern Orthopaedic Association 2023 Annual Meeting. Charleston, SC. October 25-28, 2023.

39. Neubauer BE, **Kuenze CM**, Cherelstein RE, Nader MA, Chang ES. Low Socioeconomic Indicators Correlate with Greater Pre-Operative Glenoid Bone Loss. Poster. 2023 Mid-Atlantic Shoulder and Elbow Society Meeting. September 8, 2023.

40. Collins K, Triplett A, Harkey M, Winn B, Williams DB III, **Kuenze C**. Peak knee extension torque is related to total bone mineral density among female collegiate field sport athletes. Presented at the 2022 North American Congress on Biomechanics. Ottawa, Canada. August 2022.

41. Perraut G, Cherelstein RE, Galel AM, Keeling LE, **Kuenze CM**, Curley AJ, Wang DX, Malekzadeh KA, Chang ES. Predictors of Patient-Reported Outcomes After Anterior Cruciate Ligament Reconstruction With Concurrent Treatment of Bucket-Handle Meniscus Tears. Poster. International Society of Arthroscopy, Knee Surgery, and Sports Medicine 2023 Congress. Boston, MA. June 18-21, 2023.

42. Riccio CA, Fackler NP, **Kuenze CM**, Vippa TK, Powell SN, Cherelstein RE, Chang ES. Quad Versus Patella Tendon Autograft For Anterior Cruciate Ligament Reconstruction In Young Athletes. Poster. International Society of Arthroscopy, Knee Surgery, and Sports Medicine 2023 Congress. Boston, MA. June 18-21, 2023.

43. Hughes GA, Vippa TK, **Kuenze CM**, Cherelstein RE, Nader MA, Keeling LE, Rudic TN, Pasko KBD, Chang ES. No Difference in Clinical Outcomes between Aperture and Suspensory Femoral-Sided Fixation following Anterior Cruciate Ligament Reconstruction with Bone-Patellar Tendon-Bone Autograft. Poster. International Society of Arthroscopy, Knee Surgery, and Sports Medicine 2023 Congress. Boston, MA. June 18-21, 2023.

44. Hughes GA, Vippa TK, **Kuenze CM**, Cherelstein RE, Nader MA, Keeling LE, Rudic TN, Pasko KBD, Chang ES. No Difference in Clinical Outcomes between Aperture and Suspensory Femoral-Sided Fixation following Anterior Cruciate Ligament Reconstruction with Bone-Patellar Tendon-Bone Autograft. Poster. Virginia Orthopaedic Society 2023 Annual Meeting. Hot Springs, VA. April 28-30, 2023

45. Perraut G, Cherelstein RE, Galel AM, Keeling LE**, Kuenze CM**, Curley AJ, Wang DX, Malekzadeh KA, Chang ES. Predictors of Patient-Reported Outcomes After Anterior Cruciate Ligament Reconstruction With Concurrent Treatment of Bucket-Handle Meniscus Tears. Poster. Virginia Orthopaedic Society 2023 Annual Meeting. Hot Springs, VA. April 28-30, 2023.

46. Natal-Albelo E, Cherelstein RE, **Kuenze CM**, Curley AJ, Bodendorfer BM, Hopkins M, Conroy CM, Fryar CM, Wang DX, Chang ES. Lower Socioeconomic Status Adversely Affects Timing of Care and Rate of Re-Injury Following Anterior Cruciate Ligament Reconstruction. Poster. Virginia Orthopaedic Society 2023 Annual Meeting. Hot Springs, VA. April 28-30, 2023.

47. Riccio CA, Fackler NP, **Kuenze CM**, Vippa TK, Powell SN, Cherelstein RE, Chang ES. Quad Versus Patella Tendon Autograft For Anterior Cruciate Ligament Reconstruction In Young Athletes. Poster. Virginia Orthopaedic Society 2023 Annual Meeting. Hot Springs, VA. April 28-30, 2023.

48. Collins K, Lisee C, Birchmeier T, Triplett A, **Kuenze C**. Walking Speed Is Not Associated with Knee-related Symptoms Acutely Following ACL Reconstruction. Orthopaedic Research Society 2021 Annual Meeting.

49. Woeber NA, Triplett AN, **Kuenze CM**. Cardiovascular and Body Composition Characteristics Following Anterior Cruciate Ligament Reconstruction: A Pilot Study. American Osteopathic Academy of Orthopedics 2021 Fall Meeting, October 28-30, 2021. Louisville, KY.

50. Collins K, Schorfhaar A, Wilcox C, Shingles M, Joseph S, Dietzel D, **Kuenze C**. Drop-Landing Asymmetries are Related to Knee Symptoms 6-Months Following ACL Reconstruction. ORAL PRESENTATION. 2021 XXVIII Congress of the International Society of Biomechanics. July 25-29, 2021.

51. Lisee C, Harkey M, Walker Z, Pfeiffer K, Covassin T, Kovan J, Currie K, **Kuenze C**. Ultrasound Assessment of Femoral Cartilage Thickness after Anterior Cruciate Ligament Reconstruction: A Longitudinal and Case Control Study. Virtual Presentation. Great Lakes Athletic Trainers Association Conference. March 2021.

52. Birchmeier TB, **Kuenze C.** The Effects of a Four Week Home Exercise Plan using Low Load Plyometric Exercise After ACL Reconstruction. Presented at the 2020 Michigan Athletic Trainers Society Annual Meeting, East Lansing, MI.

53. Collins K, Lisee C, Birchmeier T, Triplett A, Straus MW, Wilcox CL, Schorfhaar A, Joseph S, Shingles M, **Kuenze C.** Drop-Landing Asymmetries in Young Individuals 6-Months Following ACL Reconstruction. Presented at the 2020 American Society of Biomechanics Virtual Annual Meeting.

54. Triplett A, **Kuenze C.** Physical Activity and Body Composition of Women with Anterior Cruciate Ligament Reconstruction. Poster Presentation. 2019 Midwest American College of Sports Medicine Annual Meeting.

55. **Kuenze C.** Walk On By: Translating Gait Assessment to the Clinical Environment. Evidence-based Forum. Presented at the 2019 National Athletic Trainers' Association Annual Meeting, Las Vegas, NV.

56. **Kuenze C,** Pietrosimone B. Optimal Loading after Knee Injury: A Biomechanical and Physical Activity Perspective. Symposium Presentation. 2019 American College of Sports Medicine Annual Meeting. Orlando, FL. May 2019.

57. **Kuenze C**, Lisee C. Psychosocial and Environmental Barriers to Functional Recovery after Knee Injury. Symposium Presentation. Presented at the 2019 Great Lakes Athletic Trainers' Association Meeting, Wheeling, IL.

58. Hunnicutt JL, Gregory CM, Pietrosimone BG, Hand B, **Kuenze C**, Velozo C. Psychometric Evaluation using Rasch Analysis of Patient-Reported Quality of Life Post-ACL Reconstruction. Oral Presentation. Presentation at the American Physical Therapy Association Combined Sections Meeting. New Orleans, LA 2018.

59. Oh J, Eltoukhy M, **Kuenze C**, Anderson M, Signorile J. Comparison of Ground Reaction Forces and Knee Joint Moments between Parkinson's Disease and Healthy Older Adults using a Kinect-Driven Musculoskeletal Gait Analysis Model. Poster Presentation. The American Society of Biomechanics Annual Meeting. Rochester, MN. 2018.

60. O'Hagan K, Yan A, Geers B, Lisee C, **Kuenze C**. Physical Activity Monitoring Machine Learning Model in ACLR and Healthy Populations. Poster Presentation. American Academy of Osteopathy Convocation. New Orleans, LA. 2018.

61. **Kuenze C**, Bell DR. Assessment of Physical Activity following Musculoskeletal Injury: Beyond Return to Play. Symposium Presentation. Great Lakes Athletic Trainers' Association Annual Meeting. Wheeling, IL. 2018.

62. Hart JM, **Kuenze C**, Bodkin S, Hart J, Denny C, Diduch DR. Prospective, Randomized, Double Blind Evaluation of the Efficacy of a Single Dose Hyaluronic Acid for the Treatment of Patellofemoral Chondromalacia. Oral Presentation. Presentation at the American Orthopaedic Society for Sports Medicine Annual Meeting. San Diego, CA 2018.

63. DiSanti JS, Lisee C, Erickson K, **Kuenze C**, Shingles M, Bell D. Perceptions of rehabilitation and return to sport among high school athletes with ACL Reconstruction: A qualitative research study. Oral Presentation. Presented at the Midwest Sport & Exercise Psychology Symposium, Oxford, OH. February 2018.

64. **Kuenze C,** DiSanti J, Lisee CL, Bell DR, Erickson KT. Barriers to Physical Activity and Return to Sport among Adolescents with a Recent History of ACL Reconstruction. Oral Presentation. Presentation at the Pediatric Research in Sports Medicine Society Annual Meeting, Fort Lauderdale, FL. January 2018.

65. **Kuenze C,** Donovan L. Translating Time Loss into Wins and Losses: Strategies for Promoting Injury Prevention. Evidence-Based Forum. National Athletic Trainers' Association, Houston, TX. June 2017.

66. **Kuenze CM.** Quadriceps Weakness and Return to Activity: The Impact of Avoidance Gait after Knee Injury. Feature Presentation. National Athletic Trainer's Association Annual Meeting. Baltimore, MD. June 2016.

67. **Kuenze CM.** Patient Values: The Forgotten Aspect of Evidence Based Practice. Ethnic Diversity Committee Featured Presentation. National Athletic Trainer's Association Annual Meeting. Baltimore, MD. June 2016.

68. Donovan L, **Kuenze CM,** Hart JM. Counseling Physically Active Patients about Life after Lower Extremity Injury. Evidence-based Forum. National Athletic Trainer's Association Annual Meeting. Baltimore, MD. June 2016.

69. **Kuenze CM,** Tourville TM, Hart JM. Mitigating the Impact of Muscle Dysfunction on Joint Health and Physical Activity after Knee Injury. Symposium Presentation. The American College of Sports Medicine Annual Meeting. San Diego, CA. June 2015.

70. **Kuenze CM**, Hertel J, Weltman A, Diduch DR, Saliba SA, Hart JM. Neuromuscular Symmetry following Return to Activity in Individuals with a History of ACL Reconstruction. Poster Presentation. The American College of Sports Medicine Annual Meeting. Orlando, FL. May 2014.

71. Goetschius J, **Kuenze CM**, Hart JM. Knee Extensor Torque Variability after Exercise in Patients with a History of ACL Reconstruction. Oral Presentation. The American College of Sports Medicine Annual Meeting. Orlando, FL. May 2014.

72. Jun H, Harriell K, **Kuenze CM**, Signorile JF, Whole Body Vibration Effect on Time-to-Boundary Measures in Persons with Chronic Ankle Instability. Poster Presentation. The American College of Sports Medicine Annual Meeting. Orlando, FL. May 2014.

73. Werner BC, **Kuenze CM**, Griffin JW, Matthew LL, Garrett C, Hart JM, Brockmeier SF. Validation of an Innovative Measurement Method of Shoulder Range of Motion. Poster Presentation. American Academy of Orthopaedic Surgeons Annual Meeting. New Orleans, LA. March 2014.

74. Goerger B, **Kuenze CM**. Biomechanical Outcomes of ACLR: Strategies for Improving Rehabilitation. Oral Presentation. Southeastern Athletic Trainers Association Annual Meeting. Atlanta, GA. February 2014.

75. Werner BC, **Kuenze CM**, Griffin JW, Matthew LL, Hart JM, Brockmeier SF. Shoulder Range of Motion: Validation of an Innovative Measurement Method using a Smartphone. Oral Presentation. American Orthopaedic Society for Sports Medicine Annual Meeting. Chicago, IL. July 2013.

76. Tompkins M, **Kuenze CM**, Milewski MD, Hart J, Miller MD, Diduch DR, Hart JM. Clinical and Functional Outcomes Following Primary Repair Versus Reconstruction of the Medial Patellofemoral Ligament for Chronic Patellar Instability. Oral Presentation. The American Orthopaedic Society for Sports Medicine Annual Meeting. San Diego, CA, July 2011.

77. Cross KM, **Kuenze CM**, Grindstaff TL, Hertel J. Does Thoracic Manipulation Improve Pain and Function in Patients with Mechanical Neck Pain: A Systematic Review. Oral Presentation. Mid-Atlantic Athletic Trainers' Association Meeting. Virginia Beach, VA, May 2010.

SYMPOSIA AND INVITED PRESENTATIONS

1. **Kuenze C**. The Bio in Biopsychosocial: Biomechanics in an Integrated Model of ACL Recovery. American College of Sports Medicine Biomechanics Interest Group. Mid-Career Award Presentation. 17 November 2026 (scheduled).

2. **Kuenze C.** Have We Moved the Needle? Integrating Psychology, Biology, and Patient Experience in ACL Recovery. Keynote. University of Southern California Department of Biokinesiology Seminar. 8 October 2026.

3. **Kuenze C**. Mind in Motion - Mindfulness and Physical Activity Promotion after Anterior Cruciate Ligament Reconstruction. Lightning Presentation. University of Virginia Research Computing (RC) Exhibition. 21 April 2026.

4. **Kuenze C.** Have We Moved the Needle? Integrating Psychology, Biology, and Patient Experience in ACL Recovery. Keynote. ACL Retreat X. Chapel Hill, NC. 9-11 April 2026.

5. Greenberg E, **Kuenze C**, Leung A. Decoding Quadriceps Weakness after ACL Reconstruction: Competing Theories and Clinical Solutions. Instructional Course Lecture. Pediatric Research in Sports Medicine Annual Meeting. Austin, TX. 28-30 January, 2026.

6. **Kuenze C**. Beyond the Field: Living with the Chronic Burden after an ACL Injury. Osteoarthritis Action Alliance Lunch & Learn (national virtual webinar). 19 March 2025.

7. Thompson X, **Kuenze C**. Using Low-Cost Wearables (and Mobile Tech) in Sports Medicine. Learning Lab. National Athletic Trainers' Association Annual Meeting. Orlando, FL. 24-27 June 2025

8. Lisee CL, **Kuenze C**. Make It Work: Demystifying Wearable Technology in Lower Extremity Rehabilitation. 2024 National Athletic Trainers' Association Annual Meeting. Symposium Presentation. Indianapolis, IN. 28 Jun 2024.

9. **Kuenze C**. Age-, Sex-, and Graft-Specific Reference Values From 783 Adolescent Patients at 5 to 7 Months After ACL Reconstruction. ACL Study Day (recorded presentation and blog summary). May 2023.

10. Baez S, **Kuenze C**. Understanding Patient Perceptions: Considering Psychosocial Barriers for Recovery in Patients with Knee Injury. Symposium Presentation. 2023 National Athletic Trainers' Association Annual Meeting, Indianapolis, IN. June 2023.

11. Ulman S, **Kuenze C**, Katzel M, Franklin C, DiSanti J. Motion Capture Technology for RTP Decision-Making: What's the Hold Up? Learning Lab. 2023 Pediatric Research in Sports Medicine Society Annual Meeting, Denver, CO. January 2023.

12. **Kuenze C.** Integrating Wearable Technology into Rehabilitation of Patients with Traumatic Knee Injury. Center for Behavioral Health Technology. Charlottesville, VA. May 2023.

13. **Kuenze C.** Considering Patient Perspectives to Enhance Clinical Outcomes after ACL Reconstruction. Seminar Presentation. Orthopaedic Research Laboratories, Department of Orthopaedic Surgery, University of Michigan. March 2022.

14. **Kuenze C**, Baez SE. Considering Sex Differences to Improve Patient Care After Traumatic Knee Injury. Symposium Presentation. 2022 National Athletic Trainers' Association Annual Meeting, Philadelphia, PA. June 2022.

15. **Kuenze C**, Baez SE. Understanding Patient Perceptions: Considering Psychosocial Barriers for Recovery in Patients with Knee Injury. Symposium Presentation. 2022 Pediatric Research in Sports Medicine Society Annual Meeting, Dallas, TX. January 2022.

16. **Kuenze C.** Response to Cumulative Loading During Early Phases of Recovery Following ACLR. Seminar Presentation. College of Osteopathic Medicine OST 599 Research Course. February 2022.

17. **Kuenze C.** Promoting Physical Activity after Traumatic Knee Injury. Grand Rounds Presentation. Inova Health Care. November 2021.

18. **Kuenze C.** Anterior Cruciate Ligament Research at Michigan State University: An Update. Symposium Presentation. Michigan State University Sport Medicine Conference. August 2021.

19. **Kuenze C.** Summarizing Recommendations of the Physical Activity Workgroup. Workgroup Presentation. 2021 Athletic Trainers' Osteoarthritis Consortium Annual Meeting. June 2021.

20. **Kuenze C.** Evidence Based Assessment and Treatment of ACL Injury. Guest Lecture. Temple University Doctorate of Athletic Training Program. November 2020

21. **Kuenze C**. Getting Started with Basic Science and Biomechanics Research. Seminar Presentation. Presented at the 2019 PRISM Annual Meeting, Atlanta, GA.

22. **Kuenze CM.** Evidence Based Return to Physical Activity after ACL Reconstruction. Presentation to the Michigan Tech Department of Kinesiology. September 2018.

23. **Kuenze CM.** Evidence Based Return to Physical Activity after ACL Reconstruction. MSU College of Osteopathic Medicine. Orthopaedic and Physical Medicine Interest Groups. July 2018.

24. **Kuenze CM.** Keep It Movin': Physical Activity following ACL Reconstruction. United States Bone and Joint Young Investigator Initiative Alumni Lecture. November 2017. Toronto, ON, CA.

25. **Kuenze CM.** Evidence Based Return to Play after ACL Injury. Athletic Training Educational Endowment Fund. November 2017.

26. **Kuenze CM.** Evidence Based Assessment and Treatment of ACL Injury. Guest Lecture. Temple University Doctorate of Athletic Training Program. November 2017.

27. **Kuenze CM.** Evidence Based Return to Play after ACL Injury. Evidence-Based Forum. Michigan Athletic Trainers' Association Annual Meeting. June 2017.

28. **Kuenze CM.** Evidence Based Assessment and Treatment of ACL Injury. Guest Lecture. Temple University Doctorate of Athletic Training Program. November 2016.

29. **Kuenze CM.** Evidence Based Return to Play after ACL Injury. Illinois Athletic Trainers' Association Annual Meeting. November 2016.

30. **Kuenze CM.** Low Cost Motion Analysis Solutions. Illinois Athletic Trainers' Association Annual Meeting. November 2016.

31. **Kuenze CM**. Factors Influencing Physical Activity after ACL Injury. Athletic Trainers Osteoarthritis Consortium Webinar. August 2016.

32. **Kuenze CM.** Physical Activity after ACL Reconstruction. University of Wisconsin Department of Kinesiology, Madison, WI. February 2016.

33. **Kuenze CM.** Foundations of Evidence Based Sports Medicine. McBride Orthopaedic Hospital, Oklahoma City, OK. July 2015.

34. **Kuenze CM.** Improving Patient Outcomes Following ACL Reconstruction. Korean Society of Biomechanics. Ewha Women's University, Seoul, South Korea. March 2015.

35. **Kuenze CM.** Improving Patient Outcomes Following ACL Reconstruction. Yonsei University, Seoul, South Korea. March 2015.

36. **Kuenze CM.** Quadriceps Weakness and Return to Activity: The Impact of Quadriceps Avoidance Gait after Knee Injury. National Athletic Trainers Association Evidence Based Webinar. February 2015.

37. **Kuenze CM.** Introductions to Research Methods and Evidence Based Practice. SEATA Athletic Training Student Symposium. February 2015.

38. **Kuenze CM.** Concepts in Evidence Based Practice. SEATA Athletic Training Student Symposium. February 2015.

39. **Kuenze CM**. Physical Activity after Return to Play. Art and Science of Sports Medicine Symposium. Charlottesville, VA, June 2014.

40. **Kuenze CM.** Evidence Based Sports Medicine at the Undergraduate Level. Florida Athletic Training Educators Symposium. Lakeland, FL, May 2014.

41. **Kuenze CM**. Neuromuscular and Biomechanical Impact of ACL Reconstruction. Art and Science of Sports Medicine Symposium. Charlottesville, VA, June 2014.

42. **Kuenze CM**. Physical Activity Following ACL Reconstruction. Art and Science of Sports Medicine Symposium. Charlottesville, VA, June 2013.

43. **Kuenze CM**. The Effect of Exercise Exertion in Previously Injured Orthopedic Populations. Virginia Athletic Trainers Association Meeting. Reston, VA, January 2013.

44. **Kuenze CM**. Return to Activity following Knee Injury. Art and Science of Sports Medicine Symposium. Charlottesville, VA, June 2012.

45. **Kuenze CM**. Effects of Fatigue on Muscle Inhibition. Art and Science of Sports Medicine Symposium. Charlottesville, VA, June 2011.

46. **Kuenze CM**. Return to Play Considerations following Joint Injury. Virginia Athletic Trainers Association Meeting. Richmond, VA, January 2011.

47. **Kuenze CM**. Effects of Fatigue on Muscle Inhibition. Art and Science of Sports Medicine Symposium. Charlottesville, VA, June 2010.

48. **Kuenze CM**. Ankle Impingement Syndromes. Carolina Sports Medicine Seminar, Chapel Hill, NC, February 2009.

49. **Kuenze CM**, Venis L. Psychological Barriers to Orthopedic Rehabilitation. College Athletic Trainers' Society Meeting. Anaheim, CA, June 2007.

EXTRAMURAL GRANT FUNDING
Total direct costs as Principal Investigator: $585,678 extramural and $93,800 internal.

Principal Investigator
Source: The Jefferson Trust
Title: SPRINT Program: Bridging the Gap to Enhanced Rehabilitation and Community Engagement
Role: PI
Effort: 8.3%
Period: 2024-2026
Direct Costs: $120,000
Description: SPRINT will offer a variety of exercise sessions, both individual and small groups, curated and directed by healthcare professionals. Besides its clinical advantages, SPRINT will also spark innovative clinical research and serve as a rich learning platform for students aspiring in sports medicine, physical therapy, or sports performance domains.

Source: Inova Health Care Services (Musculoskeletal Service Line)
Title: Support for Collaborative Clinical Research at INOVA
Role: PI
Effort: 25%
Period: 2022-2026 (renewed annually)
Direct Costs: $194,792 total (2022: $14,638; 2023: $38,466; 2024: $40,981; 2025: $35,234; 2026: $65,473)
Description: The objective of this research is to develop and implement a multisite prospective cohort study to monitor and describe surgical outcomes among patients who have undergone orthopaedic reconstructive surgery for a variety of joint pathologies.

Source: Nike, Inc.
Title: Performance, Mechanics and Injuries in NCAA Athletes Using Wearable Technology
Role: PI
Effort: In-kind
Period: 2021-2023
Direct Costs: $169,774
Description: The objective of this research is to compare injuries, mechanics, metabolics and performance in NCAA basketball, soccer and field hockey athletes during a season of competition. Funds will support 2 ½ time graduate research assistant.

Source: Nike, Inc.
Title: Performance, Mechanics and Injuries in NCAA Cross-Country Runners Using Wearable Devices
Role: PI
Effort: In-kind
Period: 2020-2021
Direct Costs: $70,612
Description: The objective of this research is to compare injuries, mechanics, metabolics and performance in NCAA cross-country runners during a season of competition. Funds supported a ½ time graduate research assistant and purchase of equipment needed for data collection.

Source: Dr. Norman Kagan Scholarship Fund

Title: Understanding Communication Dynamics among Stakeholders during Orthopedic Rehabilitation
Role: PI
Effort: In-kind
Period: 2019-2020
Direct Costs: $3,000.00
Description: To compare the perceptions of patient education, interpersonal communication, and rehabilitation structure between teenaged patients who have experienced a traumatic knee injury, parents of these patients, and the orthopedic rehabilitation specialists (licensed physical therapist or athletic trainer) who were primarily responsible for their rehabilitative care.

Source: National Athletic Trainers' Association Research and Education Foundation
Title: Physical Activity Participation in Adolescent Athletes with a Recent History of ACL Reconstruction
Role: PI
Period: 2018-2021 (extension granted due to COVID-19)
Direct Costs: $20,000.00
Description: Assess the natural history of device-measured physical activity characteristics among adolescent individuals with ACL reconstruction at 6-, 9-, and 12-months post-surgery.

Source: Great Lakes Athletic Trainers' Association
Title: Contextual factors impacting functional outcomes at the Time of Medical Clearance after ACL reconstruction: A mixed methods study.
Role: PI
Period: 2017-2018
Direct Costs: $6,000.00
Description: Evaluate the effects of participant sex on a participant's ability to meet evidence based RTS criteria at the end of structured clinical care following ACLR and to evaluate the role that psychosocial factors may play in the RTS process.

Source: Mid Atlantic Athletic Trainers' Association
Title: Influence of gender on neuromuscular control of the lower extremity following an exercise program.
Role: PI
Period: 2010-2011
Direct Costs: $1,500.00
Description: Gender comparison after exercise regarding neuromuscular control.

Co-Investigator
Source: Inova Health Care Services Seed Grant
Title: Influence of Anterior Cruciate Ligament Reconstruction Graft Type on Loading Asymmetry and Knee-related Symptoms during Functional Tasks
Role: Co-I
Effort: In kind
Period: 2022-2023
Direct Costs: $25,000
Description: The objective of this research is to compare loading symmetry during a jump landing, knee symptoms, and knee-related quality of life at 6±1 months and 12±1 months post-ACLR between individuals who have received a BPTB autograft and QT autograft.

INTERNAL GRANT FUNDING
Principal Investigator
Source: University of Virginia Thriving Youth in a Digital Environment Award
Title: Mind in Motion at UVA: Mechanistic Time-Series Evidence for a Mobile Mindfulness and Physical Activity Intervention in Young People After ACL Reconstruction
Role: PI
Period: 11/15/2026-11/14/2027
Direct Costs: $30,000.00

Description: To generate UVA-based pilot data to characterize the feasibility, engagement, and within-person mechanistic effects of the Mind in Motion intervention.

Source: 4-VA
Title: Monitoring Free-Living Physical Activity, Lower Extremity Loading, and Symptoms after Knee Surgery
Role: PI
Period: 5/1/2023 – 4/20/2024
Direct Costs: $31,000.00
Description: To investigate the association between physical activity (PA), walking biomechanics, and unacceptable knee symptoms among individuals with anterior cruciate ligament reconstruction (ACLR) surgery.

Source: College of Education Seed Grant
Title: Promoting Physical Activity Participation after ACL Reconstruction via a Novel Mobile Application
Role: PI
Effort: In-kind
Period: 2019-2020
Direct Costs: $5,020.00
Description: Improve proof of concept data to facilitate re-submission of our recent NIH R21 application titled *Promoting Physical Activity Participation after ACL Reconstruction via a Novel Mobile Application.*

Source: College of Education Institute for Research on Teaching and Learning Seed Grant
Title: Development of an Individualized Intervention to Promote Physical Activity in High School-aged Individuals with a History of ACL Reconstruction.
Role: PI
Period: January – June, 2019
Direct Costs: $6,780.00
Description: A multi-phase investigation to develop and implement clinically applicable interventions to aid in the promotion and facilitation of physical activity after ACLR among young and previously active individuals.

Source: University of Miami Provost Research Award
Title: The impact of power training versus progressive strength training on lower extremity function and response to exercise in patients with ACL reconstruction.
Role: PI
Period: 2015-2016
Direct Costs: $21,000.00
Description: An investigation to measure the effects of quadriceps strengthening on response to fatiguing exercise in individuals with a history of ACL reconstruction.

Co-Investigator or Collaborator
Source: University of North Carolina TraCS
Title: Preventing Posttraumatic Osteoarthritis with Physical Activity Promotion
Role: Co-I
Period: March 2021 – March 2022
Direct Costs: $2,000.00
Description: To reverse poor knee joint health changes related to early posttraumatic osteoarthritis (PTOA) in those with an anterior cruciate ligament reconstruction (ACLR) using individualized physical activity promotion to normalize free-living mechanical loading.

Source: University of Miami Citizen's Board
Title: The Effectiveness of Kinesio® Tape and the McConnell Taping Technique on Neuromuscular Characteristics of the Vastus Medialis Oblique and Vastus Lateralis, Joint Kinematics, and Pain in Individuals with and without Patellofemoral Pain Syndrome during Functional Task Performance.
PI: Eltoukhy (UM)
Role: Co-I
Period: 2013-2014
Direct Costs: $18,000.00

Description: Collaborative student driven project to investigate the effectiveness of common taping techniques in improving patellofemoral pain symptoms.

TEACHING EXPERIENCE

University of Virginia

KINE 3620: Biomechanics and Motor Control (Fall and Spring, 2023-present)
KINE 6730: Human Performance (Spring 2024-2026)
KINE 8630: Readings and Research in Sports Medicine (Fall 2022, 2024, 2026)

Michigan State University

KIN 960: Sports Injury Biomechanics (Spring 2018)
KIN 835: Pharmacology for Athletic Trainers (Spring 2021, 2022)
KIN 834: Evidence-Based Practice (Fall 2020, 2021; new prep 2020)
KIN 833: Lower Extremity Rehabilitation (Fall 2020, 2021; new prep 2020)
KIN 825: Injury Control in Sports and Physical Activity (Spring 2017, 2019, 2021)
KIN 800: Functional Anatomy and Pathophysiology (Summer 2020, 2021; new prep 2020)
KIN 423: Therapeutic Modalities (Fall 2017, 2018, 2019)
KIN 320: Pathology of Sports Injury (Fall 2015–Spring 2020; 8 semesters)
KIN 125: First Aid and Personal Safety (Fall 2015–Spring 2019, Summer 2018, Spring 2022; instructor of record, 2015-2019)

University of Miami

KIN 615/415: Evidence Based Medicine in Sports Medicine, graduate and undergraduate sections (Spring 2014, 2015)
KIN 470: Administrative Aspects of Athletic Training (Fall 2014)
KIN 455: Athletic Training Clinical Laboratory III (Fall 2013, 2014)
KIN 345: Kinesiology (Spring 2015)
KIN 234: Functional Human Anatomy (Fall 2013, 2014)
KIN 184: Athletic Sports Injuries (Summer 2014, Fall 2014)

UNIVERSITY AND DEPARTMENTAL SERVICE

University of Virginia

Chair: Kinesiology Open Rank (Biobehavioral) Faculty Search Committee	2026-2027
Member: Dean's Reappointment Review Committee	2026
Reviewer: Gansneder Quantitative Dissertation Award	2026
Member: Founding Physical Therapy (DPT) Program Director Search Committee	2025-2026
Chair: Founding Occupational Therapy (OTD) Program Director Search Committee	2025-2026
Director: PhD Concentration in Sports Medicine	2023-present
Member: Youth-Nex Director Search Committee	2023-2024
Member: School of Education and Human Development Faculty Council	2023-present
Academic Advisor: Undergraduate Kinesiology Majors	2023-present
Co-Director: Exercise and Sport Injury Laboratory	2022-present

Michigan State University

Member: Assistant Director of Academic Affairs Search Committee	2021-2022
Member: Department of Kinesiology Graduate Studies Committee	2021-2022
Member: College Curriculum Committee	2020-2022
Chairperson: Athletic Training Search Committee (successful)	2019-2020
Member: Sports Science Collaborative Development Committee	2019-2022
Member: Department of Kinesiology Personnel Committee	2018-2020
Member: College of Education Seed Grant Review Committee	2018-2019
Member: Athletic Training Search Committee (successful)	2018-2019
Member: College Curriculum Committee	2017-2018
Member: Kinesiology Faculty Advisory Committee	2017-2018
Presentation Judge: UURAF Research Forum	2016-2019
Instructor: Athletic Training Doctoral Student Seminar	2016-2021

Director: Graduate Athletic Training Program 2015-2021
Member: MSU Athletic Training Educational Endowment Fund Planning Committee 2015-2022
Member: Undergraduate and Curriculum Committee 2015-2017

University of Miami
Member: Graduate Curriculum Committee 2014-2015
Mentor: Undergraduate Honors Research Program 2014-2015

PROFESSIONAL SERVICE

Leadership Roles

Chair: National Athletic Trainers Association Research and Education Foundation Free Communications Committee 2025-present
Chair Elect: National Athletic Trainers Association Research and Education Foundation Free Communications Committee 2024
Director: ACL Reconstruction Rehabilitation Outcomes Workgroup 2023-present
Treasurer: Athletic Trainers' Osteoarthritis Consortium 2021-2023

Non-Leadership Roles

Session Moderator: National Athletic Trainers' Association Annual Meeting, Free Communications Rapid Fire Session 2026
Member: Journal of Athletic Training Advisory Task Force 2024-present
Member: Pediatric Research in Sports Medicine Rehabilitation Research Interest Group 2023-present
Mentor: National Athletic Trainers' Association Foundation Grant Mentor Program 2023-2025
Mentor: American Society of Biomechanics Early Career Mentorship Program 2023
Member: Pediatric Research in Sports Medicine Nominating Committee 2023-2025
Member: Pediatric Research in Sports Medicine Motion Analysis Research Interest Group 2020-2022
Member: OA Action Alliance Secondary Prevention Taskforce 2020-present
Member: National Athletic Trainers Association Research and Education Foundation Free Communications Committee 2020-2024
Member: Pediatric Research in Sports Medicine Awards Committee 2018-2023
Member: Great Lakes Athletic Trainers' Association Research Advisory Committee 2017-2022
Member: Athletic Trainers' Osteoarthritis Consortium Collaboration Committee 2016-2023
Work-Group Leader: Athletic Trainers' Osteoarthritis Consortium 2015-2020
University of Miami Sports Institute Member 2014-2015
Session Proposal Reviewer: National Athletic Trainers Association Annual Meeting 2014-2016

EDITORIAL BOARDS

Associate Editor: Journal of Athletic Training 2025-present
Associate Editor for Digital Applications: Journal of Athletic Training 2017-2024
Biomechanics Section Editor: Measurement in Physical Education and Exercise Science 2017-2025

GRANT REVIEWER

Congressionally Directed Medical Research Programs (CDMRP), FY26 Arthritis Research Program, Clinical Research-3 Peer Review Panel, Scientist Reviewer 2026
University of Virginia 4VA Faculty Grant Program 2024-present
Maurice and Phyllis Paykel Trust 2019
National Athletic Trainers Association Research and Education Foundation 2015-present

MANUSCRIPT REVIEWER

Orthopaedic Journal of Sports Medicine 2026-present
British Journal of Sports Medicine 2023-present
JOSPT Open 2023-present
Osteoarthritis and Cartilage Open 2023-present
Journal of Biomechanics 2023-present
Arthritis Care & Research 2020-present
The Knee 2018-present

Medicine and Science in Sports and Exercise	2018-present
BMC Musculoskeletal Disorders	2018-present
Journal of Orthopaedic Research	2017-present
Journal of Rheumatology	2017-present
Physical Therapy in Sport	2017-present
Muscle and Nerve	2016-present
Sports Medicine	2016-present
European Journal of Physical and Rehabilitation Medicine	2015-present
Physiotherapy Theory and Practice	2015
Athletic Training and Sports Health Care	2015
Journal of Sports Sciences	2015-present
Sports Biomechanics	2014-present
American Journal of Sports Medicine	2014-present
Sports Health	2014-present
Archives of Physical Medicine and Rehabilitation	2013-present
American Journal of Physical Medicine and Rehabilitation	2013-present
Journal of Athletic Training	2011-present
Journal of Sport Rehabilitation	2010-present

AWARDS

- American College of Sports Medicine Biomechanics Interest Group Mid-Career Award. Awarded May 2026
- Fellow, National Athletic Trainers' Association. Awarded June 2024.
- Hank Chambers Award for Best Scientific Presentation – Surgical Intervention and Management. Pediatric Research in Sports Medicine Society. Awarded April 2023.
- Kevin G. Shea Award for Best Scientific Poster. Pediatric Research in Sports Medicine Society. Awarded February 2020.
- Alice Becker Hinchliffe Williams Scholarship. Awarded by The Curry School of Education Foundation, University of Virginia. April 2013.
- Doctoral Oral Award Finalist. Awarded by the National Athletic Trainers Association Research and Education Foundation. June 2012.
- Elsie Hughes Cabell Scholarship. Awarded by the Curry School of Education. University of Virginia. April 2012.
- David H. Perrin Athletic Training and Sports Medicine Scholarship. Awarded by The Curry School of Education Foundation, University of Virginia. April 2011.
- Awarded Membership in The McCue Society for recognition of leadership, education, and service in sports medicine. June 2010.

LICENSES AND CERTIFICATIONS

Virginia Licensed Athletic Trainer	2024-present
American Red Cross Professional CPR Instructor Certified	2016-present
Florida Licensed Athletic Trainer	2013-2015
Michigan Licensed Athletic Trainer	2015-2022
Certified Athletic Trainer	2007-present
American Red Cross Professional CPR Certified	2004-present
North Carolina Licensed Athletic Trainer	2007-2009

PROFESSIONAL ORGANIZATIONS

European Society for Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA)	2019-2020
Osteoarthritis Research Society International (OARSI)	2018-2021
Pediatric Research in Sports Medicine Society (PRiSM)	2017-present
Great Lakes Athletic Trainers Association	2015-2022
Michigan Athletic Trainers Association	2015-2022
American College of Sports Medicine	2011-present
National Athletic Trainers Association	2006-present
Southeast Athletic Trainers Association	2013-2015
Mid-Atlantic Athletic Trainers Association	2009-2013

Virginia Athletic Trainers Association 2009-2013

PROFESSIONAL DEVELOPMENT

American Kinesiology Association Emerging Leader Institute 2026-2027

Leadership in Academic Matters at the University of Virginia Spring 2025

Training in Grantsmanship for Rehabilitation Research, Medical University of South Carolina 2022
- Primary Mentor: Alice Ryan, PhD, University of Maryland School of Medicine
- Secondary Mentor: Richard Souza, PhD, PT, University of California, San Francisco

Michigan State University Academic Communications Fellowship Program Fall 2019

U.S. Bone and Joint Initiative, Young Investigators Initiative (YII) 2016-2018
- Institutional Research Mentor: Karin Pfeiffer, Ph.D.

NATA Research & Education Foundation's Research Mentor Program 2014
- Research Mentor: Erik Wikstrom, University of North Carolina at Charlotte

DOCTORAL STUDENTS ADVISED

University of Virginia

Gabriella Nazari: Expected graduation May 2030

Casey Moler: Expected graduation May 2029

Kathryn Southall: Expected graduation May 2028
- University of Virginia David H. Perrin Athletic Training and Sports Medicine Fellowship (2026-2027)
- American College of Sports Medicine Biomechanics Interest Group Student Travel Award ($500, 2026)
- University of Virginia School of Education and Human Development IDEAs Grant ($1,000, 2025)
- University of Virginia Brenda Holliday Loyd Award (2025)
- University of Virginia Presidential Fellowship (2024-2028)

Michelle Walaszek: 2020-2025
- Current Position: Assistant Professor, Lewis University Department of Rehabilitation Sciences
- School of Education and Human Development Gansneder Dissertation Award for Quantitative Research (2025)
- Michigan State University College of Education Summer Research Fellowship ($6,000.00, 2022)
- Michigan State University College of Education Summer Research Development Fellowship ($5,000.00, 2021)

Michigan State University

Katie Collins: 2019-2023
- Current position: Human Factors Consultant, Core Human Factors
- Dissertation Completion Fellowship ($7,000.00, 2023)
- Henry J. and Betty Montoye Endowed Scholarship ($2,000.00, 2022)
- Department of Kinesiology Endowed Fellowship ($700.00, 2022)
- College of Education Summer Research Fellowship ($6,000.00, 2022)
- Henry J. and Betty Montoye Endowed Scholarship ($2,000.00, 2021)
- College of Education Summer Research Development Fellowship ($6,000.00, 2021)
- College of Education Dissertation and Research Practicum Funding ($2,540.00, 2021)
- College of Education Summer Research Development Fellowship ($5,000.00, 2020)
- Michigan State University College of Education Dean's Fellow (2019-2023)

Tom Birchmeier: 2017-2021
- Current position: Assistant Professor, University of North Carolina at Greensboro

- Dissertation Completion Fellowship ($7,000.00, 2021)
- National Athletic Trainers' Association Doctoral Research Grant ($2,500.00, 2020-2021)
- Henry J. and Betty Montoye Endowed Scholarship ($1,180.00, 2020)
- College of Education Summer Research Fellowship ($6,000.00, 2020)
- College of Education Summer Research Fellowship ($6,000.00, 2019)
- Michigan Athletic Trainers' Society Doctoral Research Grant ($500.00, 2019-2020)
- College of Education Summer Research Development Fellowship ($5,000.00, 2018)

Ashley Triplett: 2016-2021 (Delayed by the COVID-19 pandemic)

- Current position: Associate Research Scientist, United States Olympic & Paralympic Committee
- Dissertation Completion Fellowship ($7,000.00, 2021)
- Henry J. and Betty Montoye Endowed Scholarship ($1,180.00, 2019)
- American College of Sports Medicine Doctoral Research Grant ($5,000.00, 2019)
- College of Education Summer Research Fellowship ($6,000.00, 2018)

Caroline Lisee: 2016-2020

- Current position: Assistant Professor at the University of Georgia
- Dissertation: Femoral articular cartilage response to cumulative loading in individuals during early phases of recovery following ACLR.
- Clinically Applied Loadsol National Biomechanics Day Contest Winner (2020)
- Dissertation Completion Fellowship ($7,000, 2020)
- Great Lakes Athletic Trainers' Association Research Advisory Committee Doctoral Grant ($2,500.00, 2019-2020)
- Michigan State University Research Enhancement Award ($1,000.00, 2019)
- College of Education Summer Research Fellowship ($6,000.00, 2019)
- Dissertation and Research Practicum Funding ($3,465.00, 2019)
- NIH Clinical Center's Clinical and Translational Research Course for Ph.D. Students (2018)
- Department of Kinesiology Endowed Scholarship ($2,300.00, 2018)
- College of Education Research Practicum/Dissertation Development Fellowship ($5,000.00, 2018)
- National Athletic Trainers' Association Research and Education Foundation Doctoral Grant ($2,500.00, 2017-2018)
- College of Education Summer Research Development Fellowship ($5,000.00, 2017)

Adam Kelly: 2014-2016

- Did not complete the program
- Great Lakes Athletic Trainers' Association Doctoral Student Grant ($1,500.00, 2016-2017)
- Michigan State University College of Education Summer Research Development Fellowship ($2,500.00, 2016)

MASTERS STUDENTS ADVISED

University of Virginia

Torie Hoffman: 2025-present (expected graduation May 2027)
Seth Shaffer: 2025-present (expected graduation May 2027)
Maggie Monroe: 2024-2026
Mary-Lyle Smith: 2024-2026
Olivia Cherry: 2023-2025
Caleb Moreau: 2023-2025
Payton Lear: 2022-2024
Andrew Martin: 2022-2024

Michigan State University

Chelsea Casper: 2021-2023
Dean Puranovic: 2021-2023
Kelsey Malven: 2021-2023
Allison Gawinski: 2018-2020
Katie Boltz: 2018-2020

Chastity Chov: 2017-2019
- Jason D'Amelio Graduate Impact Fund Scholarship ($1,000.00, 2019)

Colleen Rogers: 2017-2019
Austin Herman: 2016-2018
Stephen Waltersdorf: 2016-2018
Eric Jackson: 2016-2018
Sean O'Neil: 2015-2017
Erika Ralston: 2015-2017

DOCTORAL DISSERTATION COMMITTEE MEMBERSHIP
University of Virginia
Jason Wang (SDS): Expected graduation May 2027
Dante Goss: 2022-2026
Jennifer Xu: 2021-2025
Xavier Thompson: 2020-2024

Michigan State University
Aaron Zynda: Graduated May 2023
- Dissertation: The Influence of Sport-Related Concussion on Sensorimotor Skills in Collegiate Athletes

Morgan Anderson: Graduated May 2021
- Dissertation: The Clinical Utility and Influence of Habitual, Device-measured Sleep Duration on Baseline Neurocognitive Performance and Total Concussion Symptom Severity in College-aged Individuals.

William Burghardt: Graduated May 2021
- Dissertation: Modeling the Relationship Between Workload and Non-contact Injuries in American College Football Players.

Kyle Petit: Graduated May 2020
- Dissertation: The Relationship Between Post-Concussion Physical Activity and Concussion Recovery Outcomes in College-Aged Adults

Jennifer Savage: Graduated May 2019
- Dissertation: Examining Simulated Driving Performance among Athletes with a Sport-related Concussion.

Abigail Bretzin: Graduated May 2019
- Dissertation: Exploring Long-term Effects of Contact Sports Participation.

Meghan LaFevor: Graduated May 2017
- Dissertation: Examining Concurrent Validity of the ImPACT Quick Test-Pediatric Version with the ImPACT Pediatric, and Assessing Age and Sex Normative Values.

University of Miami
Connie Sol: Graduated May 2016
- Dissertation: Effectiveness of a Proprioceptive Resistance Device in Changing Landing Style in Recreational Runners Learning to Land on the Ball of the Foot.

Sean Nicole: Graduated May 2016
- Dissertation: Effects of Two Kinds of Dance, Differing in Movement Complexity, on Computer-Based and Movement-Based Cognitive Performance.

Nicole Rendos: Graduated May 2016
- Dissertation: Identification of Sling Systems in Economical and Non-economical runners.

Arturo Leyva: Graduated May 2015

- Dissertation: The Comparative Effects of Treadmill Training Versus Multi-Directional Variable-Speed Training on Muscle Fiber Types, Daily Living and Executive Function in Elderly Men and Women.

Hector Heredia: Graduated May 2015
- Dissertation: Squat vs. Power Cleans: Post-activation Potentiation Effects in Division I Track Athletes.

Hyung-Pil Jun: Graduated May 2014
- Dissertation: The Effectiveness of Kinesio Tape and McConnell Tape on Neuromuscular Characteristics of VMO and VL, Joint Kinematics, and Pain in Individuals with PFP during Functional Task.

Meng Ni: Graduated May 2014
- Dissertation: The Comparative Impacts of a Specifically Designed Yoga Program and Power Training on Physical Performance in Older Adults with Parkinson's disease.

Cole Myers: Graduated May 2014
- Dissertation: Bicycle Shoe Insoles and their Effect on Foot Excursion, Leg Muscle Activation Patterns and Performance in Experienced Cyclists.

MASTERS COMMITTEE MEMBERSHIP
Michigan State University

Kevin Lam: Graduated May 2022
- Use of Mindfulness Meditation to Reduce Lower Extremity Injury Risk: A Critically Appraised Topic

Megan Murray: Graduated May 2022
- Examining Perceptions of Motivation, Athlete Burnout, and Injury-related Fear in Patients following ACL Reconstruction: A Mixed Methods Design

Hannah Miller: Graduated May 2023
- An Investigation of Elite U.S. Figure Skaters' Social Media Use, Purposes for Use, and Subsequent Perceived Psychosocial Implications

Cody Stemple: Graduated May 2022
- Capstone: Internship at Premier Rehabilitation in Grand Ledge, MI

Brett Bernstein: Graduated May 2020
- Baseline VOMS and History of Concussion Among Collegiate Athletes

Colton Seibel: Graduated May 2020
- Project: Examining High School Specialization and Injury Incidence Patterns of College Athletes

Erin Moncrief: Graduated May 2019
- Project: Baseline SCAT5 Results in Contact vs. Non-contact Athletes.

Conor McDonough: Graduated May 2019
- Project: Baseline Balance Performance in Division I Collegiate and Club-Sport Athletes: A Comparison of the BESS, SWAY, and BTrackS.

Kelsey Clausen: Graduated May 2018
- Project: Examining Competitive Trait Anxiety in NCAA Division I Collegiate Athletes.

Ryan Morrison: Graduated May 2018
- Project: Normative Values for Balance Performance in Division I Collegiate and Club-Sport Athletes.

Max Elder: Graduated May 2018
- Project: Examining Return to Learn Protocols in Concussion Diagnosed Athletes in Collegiate Athletics.

Daniel Colvin: Graduated May 2018
- Project: Merging Medicine and Technology to Improve Safety in Motorsports.

Vincent Del Valle: Graduated May 2016
- Project: Examine Injury Rates, Incidence and Mechanism of NCAA Track and Field Athletes.

Tamaria Hollis: Graduated May 2016
- Project: Exploring the Dimensions of Competitive Anxiety and Self-Confidence and Its Association with an Athletes Perceived Risk of Injury.

Keegan Warner: Graduated May 2016
- Project: A Comparison of High School Men's and Women's Lacrosse Injuries Academic Years 2009-2010 through 2013-2014.

University of Virginia
Zihida Mitha: Graduated May 2013
- Thesis: Single Leg Squat Assessment in Knee Injured Individuals.

Nathaniel Foot: Graduated May 2013
- Thesis: Drop Landing Performance Following ACL Reconstruction.
- National Athletic Trainers Association Master Oral Presentation Award Runner-up: June 2014

John Goetschius: Graduated May 2012
- Thesis: Balance and Joint Position Sense after Exercise in Individuals with ACL Reconstructed Knees.

Jay Clark: Graduated May 2012
- Thesis: Effect of EMG Biofeedback on Quadriceps Function following Knee Injury: A Pilot Study.

Natalie Kramer: Graduated May 2012
- Thesis: Hamstring Strain Injury History and Muscle Strength, Volume, and Flexibility in Sprinters and Jumpers.

Devin Roberts: Graduated May 2011
- Thesis: Techniques for Estimating Quadriceps Central Activation.
- National Athletic Trainers Association Master Oral Presentation Award Runner-up: June 2013

Meghan Lockerby: Graduated May 2011
- Thesis: Hamstring to Quadriceps Mean Torque Ratio Does Not Change After 30 Minutes of Exercise in Persons With Recurrent Low Back Pain.

Ashley Stern: Graduated May 2010
- Thesis: Neuromuscular Function after Exercise in Males and Females.

MICHIGAN STATE COLLEGE OF OSTEOPATHIC MEDICINE MENTORSHIP
Clerkship Research Students
Brett Brazier: Spring 2018
- Quadriceps Muscle Size following ACL Reconstruction: A Systematic Review and Meta-analysis
  - Presented at the 2018 Statewide Campus System (SCS) Scholarly Activity Poster Day
- Quadriceps Muscle Histology and Morphology following ACL Reconstruction
- Prospective Outcomes after Medial Patellofemoral Ligament Surgery

Pre-Clerkship Research Students
Ian Stuart: 2021-2022
Kyle Huber: 2021-2022
Hunter Janowiak: 2021-2022
Noah Fiala: 2021-2022

Jordan Lewis: 2021-2022
- Project: Understanding Communication Dynamics among Stakeholders during Orthopedic Rehabilitation
  - Oral presentation at the 2021 National SOMA Research Symposium

Nate Farner: 2021-2022
- Project: Understanding Communication Dynamics among Stakeholders during Orthopedic Rehabilitation

Michael Moran: 2020-2021
- Project: Lower Extremity Outcomes after ACL Reconstruction

Nathan Woeber: 2019-2020
- Project: Characterizing Body Composition and Aerobic Fitness in Individuals with Anterior Cruciate Ligament Reconstruction.

Zach Walker: 2019-2020
- Project: Lower Extremity Outcomes after ACL Reconstruction

Forrest Lewallen: 2018-2019
- Lewallen F, Koch Z, Ballard E, Charlick M, Lisee C, Birchmeier T, Triplett A, Kuenze C. Sex Differences in Hop Performance and Psychological Readiness for Sport 6-months after ACL Reconstruction. Presented at the 2019 SCS Scholarly Activity Poster Day.

Arthur Yan: 2017-2018
- Validation of a Machine Learning Algorithm for the Measurement of Physical Activity Characteristics
  - Presented at the 2018 Michigan State University College of Osteopathic Medicine Research Day
  - Presented at the 2018 Michigan State University Council of Graduate Students Annual Meeting

Medical Student Research Assistants
Brandon Henry: 2020-2022
- Project: Thigh Muscle Composition after ACL Reconstruction

Moriah Moore: 2019-2020
- Project: Prospective outcomes following ACL reconstruction.

John Italiano: 2019-2020
- Project: Prospective outcomes following ACL reconstruction.

Kevin Kane: 2018-2020
- Project: Patient-reported outcomes among male and female patients with ACL reconstruction.
- Project: Quadriceps size and structure among young men and women with ACL reconstruction.
- Began residency at McLaren Lansing in Summer 2019.

Matthew Charlick: 2018-2019
- Project: Prospective outcomes following ACL reconstruction.
- Charlick M, Ballard E, Koch Z, Lewallen F, Lisee C, Birchmeier T, Triplett A, Kuenze C. Graft Choice Versus Quadriceps Strength at 6-months Post-ACL Reconstruction. Presented at the 2019 SCS Scholarly Activity Poster Day. (2nd Place Award Winner)

Zachary Koch: 2018-2019
- Project: Prospective outcomes following ACL reconstruction.
- Co-author on two 2019 SCS Scholarly Activity Poster Day posters (listed under Charlick and Lewallen above).

Eric Ballard: 2017-2019
- Project: Prospective outcomes following ACL reconstruction.

- Co-author on two 2019 SCS Scholarly Activity Poster Day posters (listed under Charlick and Lewallen above).

Jennifer Polin: 2017-2019
- Project: Prospective outcomes following ACL reconstruction.
- Project: The Impact of Involved Limb Quadriceps Function on Single Leg Movement Quality after ACL Reconstruction.

Garry Jawanda: 2017-2018
- Project: Effects of Knee Injury History on Knee Function and Quality of Life among Young Individuals
  - Presented at the 2018 Michigan State University College of Osteopathic Medicine Research Day

Ryan Kaylor: 2017-2018
- Project: Effects of Knee Injury History on Knee Function and Quality of Life among Young Individuals
  - Presented at the 2018 Michigan State University College of Osteopathic Medicine Research Day

Brent Geers: 2017-2018
- Project: Validation of a Machine Learning Algorithm for the Measurement of Physical Activity Characteristics
  - Presented at the 2018 Michigan State University College of Osteopathic Medicine Research Day
  - Presented at the 2018 Michigan State University Council of Graduate Students Annual Meeting

Kaitlin O'Hagan: 2017-2018
- Project: Validation of a Machine Learning Algorithm for the Measurement of Physical Activity Characteristics
  - Presented at the 2018 Michigan State University College of Osteopathic Medicine Research Day
  - Presented at the 2018 Michigan State University Council of Graduate Students Annual Meeting
  - Presented at the 2018 American Academy of Osteopathy Convocation

UNDERGRADUATE RESEARCH ASSISTANT MENTORSHIP

University of Virginia

Emery Ellis: 2026-present (KUSP)
Chloe Pruitt: 2026-present (KUSP)
Yar Al Sindi: 2025-2026
Harshika Challa: 2025-2026
Morgan Mackey: 2025-present
Xiling Meng: 2024-2025
Cadence Layne: 2024-2026
Hallie Rackoff: 2024-2026
Tess Synowski: 2022-2024
Caroline Fallis: 2022-2026
Austin Kobza: 2022-2023
Gianna Buckley: 2022-2023

Michigan State University

Valerie Itsell: 2021-2022
Pia Gandrothu: 2021-2022
Brody Lineman: 2021-2023
Henry Burghardt: 2019-2020
Seth Warren: 2018-2019
Emily Emerick: 2016-2017
Marissa Ozog: Fall 2016
Emily Cooper: Fall 2016

Skylar Mack: 2019-2020
- Michigan State University Honor College Professorial Assistant

Tess McGuire: 2017-2020

- McGuire T, Orourke M, Lisee CM, Birchmeier T, Kuenze C. Sex Related Differences in Single-Leg Hopping, Quadriceps Strength, and Patient Reported Outcomes After ACL Reconstruction. University Undergraduate Research and Arts Forum. April, 2018. (Poster Presentation)

Micaela O'Rourke: 2017-2018

- Co-author on the 2018 University Undergraduate Research and Arts Forum poster listed under Tess McGuire above.

Eric Leszczynski: 2015-2017

- Leszczynski E, Triplett A, Kuenze C, Ferguson D. Vastus Lateralis Fiber Type Shift after ACL Reconstruction. University Undergraduate Research and Arts Forum. April, 2017. (Oral Presentation)
- College of Education Undergraduate Research Funding. 2016-2017

Megan VerHage: 2015-2017

- VerHage M, Kelly AR, Lisee CM, Kuenze C. Lower Extremity Functional Asymmetry following ACL Reconstruction. University Undergraduate Research and Arts Forum. April, 2017. (Poster Presentation)
- College of Education Undergraduate Research Funding. 2016-2017

Callum Davis: 2015-2018

- Lisee C, Birchmeier T, Yan A, Geers B, O'Hagan K, Davis C, Kuenze C**.** The Relationship Between Vertical Ground Reaction Force, Loading Rate, and Sound Characteristics During a Single-Leg Landing. J Sport Rehabil. 2019 Oct 18;29(5):541-546. doi: 10.1123/jsr.2018-0260. PMID: 31034335.
- Davis C, Lisee CM, Birchmeier T, Kuenze C. Relationship between Fear of Re-injury and Single Leg Crossover Landing Biomechanics in Individuals with a History of ACLR. University Undergraduate Research and Arts Forum. April, 2018. (Poster Presentation)
- Davis C, Lisee CM, Kuenze C. Sex Differences in Single Leg Landing Forces Among College-Aged Individuals. College of Education Undergraduate Research Funding. University Undergraduate Research and Arts Forum. April, 2017. (Poster Presentation)
- College of Education Undergraduate Research Funding. 2016-2018

University of Miami

Richard Campbell: 2014-2015

- Biomechanical Lower Extremity Assessment in Division 1 Basketball Players: A Novel Application of the Microsoft Kinect® Camera System.
- General Honors Program Summer Research Internship Funding (2014-2015)