TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Joosung Kim Title: Assistant Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PhD	2021	University of Miami	Exercise Physiology	Neural excitability during single-leg balance in patients with an acute ankle sprain
MS	2016	Texas State University	Athletic Training	Effects of focal knee joint cooling on different modes of quadriceps strength assessment
MS	2014	Bridgewater State University	Athletic Training	Lower body kinematic comparison between front and back squats in response to loads

C. University Experience

Position	*University*	*Dates*
Lecturer	University of Miami	2021-2023
Graduate Assistant	University of Miami	2016-2021
Graduate Assistant	Texas State University	2014-2016
Graduate Research Assistant	Bridgewater State University	2013-2014

D. Relevant Professional Experience

Position	*Entity*	*Dates*
Athletic Trainer	Men's Lacrosse Club Team Texas State University	2014-2016
Exercise Instructor	Renaissance Health Center Seoul, South Korea	2007-2008

E. Other Professional Credentials (licensure, certification, etc.)

Credential	*Issued by*	*Dates*

Licensed Athletic Trainer (#AL6045)	Florida Department of Health Board of Athletic Trainers	2020-Present
Certified Athletic Trainer (#2000018320)	Board of Certification for Athletic Trainer	2014-Present
Certificate in First Aid and CPR Responder	American Heart Association	2013-Present
Certificate in Third-Degree Bodybuilding Instructor	Ministry of Culture, Sports and Tourism, South Korea	2011-Present
Licensed Athletic Trainer (#AT6091)	Texas Advisory Board of Athletic Trainers	2014-2016
Certificate in First Aid and CPR Instructor	Korean Red Cross	2011-2016

II. TEACHING

A. Teaching Honors and Awards:

2022 Faculty Support Award, Athletic Training Program, University of Miami.

B. Courses Taught:

University of Miami
KIN233 Basic Anatomy Lab
KIN723 Research Experience
KIN344 Gross Anatomy for Kinesiology and Sport Sciences
KIN488 Gross Anatomy
KIN688 Advanced Gross Anatomy
KIN415 Evidence-Based Sports Medicine
KIN715 Evidence-Based Sports Medicine
KIN766 Research Method
KIN794 Advanced Individual Study
KIN491 Teaching Assistantship Training

Texas State University
AT2156 Taping and Bandaging Athletic Injuries
AT3128 Applied Laboratory of Lower Extremity Injuries
AT3146 Applied Laboratory for Therapeutic Exercise and Rehabilitation

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Independent Study-University of Miami

William Adam, PhD Student. Effect of transcranial direct current stimulation on chronic orthopedic pain: a systematic review and meta-analysis. Independent Project, Spring 2023. (Advisor)

D. Courses Prepared and Curriculum Development:

KIN766-Research Method (a new graduate course developed) (2022)

F. Other:

Student Mentees-Awards/Fellowships/Grants:

William Adam, PhD Student. 1) National Chiropractic Mutual Insurance Company (NCMIC) foundation. $5000. Role: Faculty Advisor. (Period: 2022-2023). 2) University of Miami School of Education and Human Development Research Support. $1200. Role: Faculty Advisor. (Period: 2022-2024)

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

2. Articles:

a. Refereed Journal Articles:

Published

Kim KM, Needle AR, **Kim JS**, An YW, Cruz-Diaz D, Taube W. What interventions can treat arthrogenic muscle inhibition in patients with chronic ankle instability? a systematic review with meta-analysis. Disability and Rehabilitation. 2023; 1-16. https://doi.org/10.1080/09638288.2022.2161643.

Kim JS, Kim KM, Chang EW, Jung HC, Lee HC, Needle AR. Conduction velocity of spinal reflex in patients with acute lateral ankle sprain. Healthcare. 2022; 10(9):1-11. doi:10.3390/healthcare10091794.

Kim JS, Kim KM, Chang EW, Jung HC, Lee HC, Needle AR. Spinal reflex excitability of lower leg muscles following acute lateral ankle sprain: bilateral inhibition of soleus spinal reflex excitability. Healthcare. 2022;10(7).1-12. doi:10.3390/healthcare10071171.

Kim JS, Mettler JA, McCurdy K, Kim KM. Effects of focal knee joint cooling on static and dynamic strength of the quadriceps: innovative approach to muscle conditioning. International Journal of Environmental Research and Public Health. 2021;18(9):1-11. doi:10.3390/ijerph18094890.

Kim KM, **Kim JS**, Oh J, Grooms DR. Stroboscopic vision as a dynamic sensory reweighting alternative to the sensory organization test. Journal of Sport Rehabilitation. 2021;30:166-172. doi: 10.1123/jsr.2019-0466.

Kim KM, **Kim JS**, Cruz-Díaz D, Ryu S, Kang M, Taube W. Changes in spinal and corticospinal excitability in patients with chronic ankle instability: a systematic review with meta-analysis. Journal of Clinical Medicine. 2019;8(7):1-24. doi:10.3390/jcm8071037.

Kim KM, **Kim JS**, Oh J, Lee SY. Time-to-boundary analysis of postural control following acute lateral ankle sprain. Gait and Posture. 2019;67(1):151-153. doi: 10.1016/j.gaitpost.2018.10.002.

Kim KM, **Kim JS**, Grooms DR. Stroboscopic vision to induce sensory reweighting during postural control. Journal of Sport Rehabilitation. 2017;26(5):1-11. doi: 10.1123/jsr.2017-0035.

5. Reports:
Kim KM, **Kim JS**. Ankle sprain and the brain: experts explore role of CNS function, Lower Extremity Review. July 2017.

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Kim JS, Kim KM. Strong relationships between soleus spinal reflex excitability during standing and functional disability following acute lateral ankle sprain at the 2023 National Athletic Trainers' Association Clinical Symposia & AT Expo, June 2023.

Kim JS, Quanstrom C, Kim T, Kim KM. Sensorimotor changes in a patient with chronic ankle instability: a case report study at the 2023 American College of Sports Medicine's Annual Meeting. May 2023.

Idnani S, Adams W, **Kim JS**. Effect of transcranial direct current stimulation on chronic orthopedic pain: a systematic review and meta-analysis at the 2023 American College of Sports Medicine's Annual Meeting, *Faculty Advisor*. May 2023.

Beck A, Bogle A, Carson D, **Kim JS**. Pain level in adults with plantar fasciitis following shockwave therapy versus corticosteroid injection: a critically appraised topic at the SEHD Research Symposium. *Faculty Advisor*. April 2023.

Bonner B, Huggins R, Rayle E, **Kim JS**. Therapeutic exercise with or without joint mobilization to improve range of motion in patients with chronic ankle instability: a critically appraised topic at the SEHD Research Symposium. *Faculty Advisor*. April 2023.

Al-Amood M, Fennell C, Barnowski B, **Kim JS**. Reinjury rates following ACL-reconstruction: a critically appraised topic at the SEHD Research Symposium. *Faculty Advisor*. April 2023.

Cruz C, Moropoulos P, Radzinski J, Sirott D, **Kim JS**. The Effectiveness of Shoulder Bracing in Reducing the Risk of Shoulder Pathologies in Collegiate Football Players. A Critically Appraised Topic at the SEHD Research Symposium. *Faculty Advisor*. April 2023.

Kim JS, Patel N, Kim KJ, Kim KM. Altered corticospinal excitability during single-leg balance following acute ankle sprain. Oral presentation at the 72nd National Athletic Trainers' Association Virtual Clinical Symposia & AT Expo. June 2021.

Kim JS, Matcha N, Patel N, Camplin R, Lee R, Kim KM. Neural excitability of fibularis longus during single-leg balance in patients with acute lateral ankle sprain. Rapid fire presentation at the 71st National Athletic Trainers' Association Virtual Clinical Symposia & AT Expo. July 2020.

Kim KM, **Kim JS**, An YW, Lee HR. Dis-inhibitory interventions for chronic ankle instability: a systematic review and meta-analysis. Poster presentation at the 71st National Athletic Trainers' Association Virtual Clinical Symposia & AT Expo. July 2020.

Kim JS, An YW, Arwari B, Patel N, Kim KM. Electrocortical activation in patients with an acute lateral ankle sprain during balance task. Poster presentation at the 49th Society for Neuroscience's Annual meeting, Chicago, Illinois. October 2019.

Kim KM, **Kim JS**, Dahman O, An YW, Kim KJ. Neural excitability during single-limb balance following lateral ankle sprain. Poster presentation at the 49th Society for Neuroscience's Annual meeting, Chicago, Illinois. October 2019.

Kim JS, Park DH, Kim CS, Kim MJ, Kim KM. Reactive balance following acute lateral ankle sprain. Poster presentation at the 69th National Athletic Trainers' Association Clinical Symposia & AT Expo, New Orleans, Louisiana. June 2018.

Kim KM, **Kim JS**, Chang E, Grooms D. Stroboscopic vision for sensory organization. Poster presentation at the 69th National Athletic Trainers' Association Clinical Symposia & AT Expo, New Orleans, Louisiana. June 2018.

Kim JS, Mettler JA, McCurdy K, Kim KM. Dynamic strength following focal knee joint cooling. Poster presentation at the 65th American College of Sports Medicine's Annual meeting, Minneapolis, Minnesota. June 2018.

Kim KM, **Kim JS**, Grooms D. Effects of stroboscopic vision on reactive balance. Poster presentation at the 65th American College of Sports Medicine's Annual meeting, Minneapolis, Minnesota. June 2018.

Kim JS, Kim KM. Does spinal reflex excitability change in patients with anterior cruciate ligament injury following targeted reflex conditioning intervention? Oral presentation at the 7th Operant Conditioning meeting, Charleston, South Carolina. March 2018.

Kim KM, **Kim JS**. Effects of acute ankle sprain on spinal excitability of lower leg muscles during upright standing. Rapid fire presentation at the 68th National Athletic Trainers' Association Clinical Symposia & AT Expo, Houston, Texas. June 2017. *Presenter*

Kim KM, **Kim JS**. Bilateral arthrogenic muscle inhibition in the soleus muscle following acute ankle sprain. Poster presentation at the 64th American College of Sports Medicine's Annual meeting, Denver. Colorado. June 2017.

Wu T, **Kim JS**. The effects of load mass variations on front and back squat movement coordination pattern. Poster presentation at the 21st Congress of the International Society of Electrophysiology and Kinesiology, Chicago, Illinois. July 2016.

Kim KM, Oh JH, **Kim JS**, Grooms D. Visual feedback contribution to postural control. Poster presentation at the 67th National Athletic Trainers' Association Clinical Symposia & AT Expo, Baltimore, Maryland. June 2016.

Kim JS, Lee HR, Kim KM. Effects of stroboscopic vision on sensory organization test. Poster presentation at the 63rd American College of Sports Medicine's Annual Meeting, Boston, Massachusetts. June 2016.

Lee HR, **Kim JS**, Kim KM. Analysis of postural stability during bipedal stance following acute lateral ankle sprain. Poster presentation at the 63rd American College of Sports Medicine's Annual Meeting, Boston, Massachusetts. June 2016.

Kim JS. Effects of focal knee joint cooling on the quadriceps strength following knee joint injuries. Oral presentation at the 61st Southwest Athletic Trainers' Association Annual Meeting & Clinical Symposium, Houston, Texas. July 2015. *Oral Presentation Award Winner*

Kim JS, Wu T, Russell P, Maurer-Starks S. Lower Body Kinematic Comparison between Front and Back Squats in Response to Different Loads at the 66th National Athletic Trainers' Association Clinical Symposia & AT Expo, St. Louis, Missouri. June 2015.

Wu T, Lloyd S, **Kim JS**. Running Movement Coordination Patterns between Barefoot and Minimalist Shoe at the 7th World Congress of Biomechanics, Boston, Massachusetts. July 2014.

Kim JS, Wu T, Jillson N, Morse J. Kinematic analysis of front squat in response to different loads. Poster presentation at the 31st Conference of the International Society of Biomechanics in Sports, Taipei, Taiwan. July 2013.

2. Invited Talks, Lectures, and Presentations:

Introduction to sports medicine research and a practical guide to conducting a case study, Guest Lecture, KIN663 Foundations of Athletic Training, University of Miami, Coral Gables, FL. June 2022.

Neural excitability after an acute ankle sprain, 2nd International Athletic Training Research Symposium, South Korea. August 2021.

Emergency sports health care, AT3298 Foundation of Athletic Training Practice, Texas State University, San Marcos, TX. 2014.

Ways to be an exemplary student-athlete, Department of Sports Science, Wonkwang University, South Korea. May 2013.

Time management in undergraduate studies, Department of Sports Science, Wonkwang University, South Korea. June 2012.

5. Other Works not in Print:

a. Works "submitted" or "under review":

Kim KM, **Kim JS**, Needle AR. Soleus arthrogenic muscle inhibition following acute lateral ankle sprain correlates with acute symptoms and ankle disability, but not with impaired postural control. *The Journal of Sport and Health Science*. (In review)

b. Works "in progress":

Kim JS, Jacobs K, Perry A, Arwari B, Ahn SY, Kim KM. Corticospinal excitability of fibularis longus during single-leg balance in those with acute ankle sprain. Medicine and Science in Sports and Exercise.

Kim JS, Jacobs K, Perry A, Arwari B, Ahn SY, Kim KM. Spinal excitability during single-leg balance following acute ankle sprain. Gait and Posture.

Adams W, Idnani S, **Kim JS**. Transcranial direct current stimulation for orthopedic pain: a systematic review and meta-analysis. Journal of Orthopaedic & Sports Physical Therapy.

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Kim, JS., Mettler, J.A., and Kim KM. Effects of focal knee joint cooling on different modes of quadriceps strength assessment. Southwest Athletic Trainers' Association. Role: Principal Investigator; $1000 (Period: 2015-2016)

2. Submitted, but not Funded, External Grants and Contracts:

Kim, JS. Effects of brain stimulation-aided core stability exercises for chronic low back pain. National Athletic Trainers' Association. Role: Principal Investigator; $20,000. (Submitted September 2022)

3. Funded Internal Grants and Contracts:

Kim, JS., and Kim KM. Effects of transcranial direct current stimulation (tDCS) with balance training for chronic ankle instability. University of Miami School of Education and Human Development Research Support. Role: Principal Investigator; $1200 (Period: 2019-2021)

Kim, JS., and Kim KM. Effects of transcranial direct current stimulation on neural excitability in patients with anterior cruciate ligament reconstruction. University of Miami School of Education and Human Development Research Support. Role: Principal Investigator; $1260 (Period: 2019)

Kim, JS., and Kim KM. Effects of stroboscopic vision on dynamic balance in patients with chronic ankle instability. University of Miami School of Education and Human Development Research Support. Role: Principal Investigator; $1120 (Period: 2018)

Research Assistant for Funded Research Projects:

Kim KM. Neural control of balance following ankle sprain; University of Miami Provost's Research Award. Role: Research Assistant; $17,000 (Period: 2017-2019)

Kim KM. Effects of chronic ankle instability on neural activity in the brain; University of Miami School of Education and Human Development. Role: Research Assistant; $5,000 (Period: 2016-2018)

Kim KM. Effects of acute ankle sprain on muscle function; Texas State University Research Enhancement Program. Role: Research Assistant; $16,000 (Period: 2015-2016)

D. Scholarly / Creative Fellowships, Awards, Honors:

Student Travel Awards, The School of Education and Human Development, University of Miami. 2017-2020.
Student Travel Awards, Department of Health and Human Performance, Texas State University. 2015-2016.
Research Presentation Award in the Post Professional Master's and Doctoral Category, Southwest Athletic Trainers' Association. 2015.
International Student Travel Award, The International Society of Biomechanics in Sports. 2013.

E. Scholarly / Creative Professional Development Activities Attended:

Virtual Motor Mapping in Neurorehabilitation Workshop. National Center of Neuromodulation for Rehabilitation. June 2021.
Virtual Transcranial Ultrasound Stimulation Conference, National Center of Neuromodulation for Rehabilitation. October 2020.
Meta-Analysis of Social Science Research Workshop. University of Miami. September 2019.
Advanced Operant Conditioning of EMG Evoked Potential Workshop, National Center of Neuromodulation for Rehabilitation. March 2018.
Advanced Transcranial Direct Current Stimulation Workshop, National Center of Neuromodulation for Rehabilitation. March 2018.

IV. SERVICE

A. Institutional

1. University:

University of Miami Graduate Association Funding Allocation Committee, Member. 2019.

2. College:

University of Miami School of Education and Human Development Asian Faculty and Student Support Group, Member. 2022.

3. Department/School:

Recruiting Material for University of Miami Master of Athletic Training Program, Developer. 2022.
University of Miami Master of Athletic Training Program Comprehensive Exam Committee, Member. 2021-2022.

Bridgewater State University Athletic Training Club, Executive Board, Member. 2013-2014.

B. Professional:

Journal Reviewer:

Scientific Reports (2022-Present)
Journal of Athletic Training (2022-Present)
Journal of Sports Rehabilitation (2019-Present)
Asian Journal of Kinesiology (2019-Present)
Exercise Science (2015-Present)

C. Community:

Volunteered Assistant Coach, Women's Rugby Club Team, Bridgewater State University (2012-2013)
Bridgewater State University Korean Student Association, President (2013-2014)

D. Organization Memberships:

National Athletic Trainers' Association, Member (2012-Present)
Southeast Athletic Trainers' Association, Member (2016-2023)
Korean Athletic Trainers' Association, Member (2015-Present)
Society for Neuroscience (2019-2021)
Southwest Athletic Trainers' Association (2014-2016)
Eastern Athletic Trainers' Association (2012-2014)