

University of Miami

Curriculum Vitae

Date: 01-18-22

I. PERSONAL

- Name: Joosung Kim
- Position: Lecturer
- Primary Department: Kinesiology and Sport Sciences
- Address: 1507 Levante Ave Coral Gables, FL 33146
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- Email: jjk147@miami.edu

II. HIGHER EDUCATION

- **Institutional:**

- Doctor of Philosophy University of Miami, Coral Gables, Florida
Major: Exercise Physiology
Dissertation: Neural excitability during single-leg balance in patients with an acute ankle sprain
Conferred: May 2021
- Master of Science Texas State University, San Marcos, Texas
Major: Athletic Training
Thesis: Effects of focal knee joint cooling on different modes of quadriceps strength assessment
Conferred: May 2016
- Master of Science Bridgewater State University, Bridgewater, Massachusetts
Major: Athletic Training
Thesis: Lower body kinematic comparison between front and back squats in response to loads
Conferred: May 2014
- Bachelor of Physical Education Wonkwang University, Iksan, Jeonbuk, South Korea
Major: Sports and Health Management
Conferred: February 2012

III. EXPERIENCE

- **Academic:**

- Lecturer Department of Kinesiology and Sport Sciences
August 2021-Present University of Miami, Coral Gables, FL

- Graduate Teaching Assistant Department of Kinesiology and Sport Sciences
January 2018-May 2021 University of Miami, Coral Gables, FL
- Graduate Research Assistant Sports Medicine and Motion Analysis Laboratory
August 2016-May 2021 University of Miami, Coral Gables, FL
- Graduate Teaching Assistant Department of Health and Human Performance
August 2014-May 2016 Texas State University, San Marcos, TX
- Graduate Research Assistant Biomechanics and Sports Medicine Laboratory
August 2014-May 2016 Texas State University, San Marcos, TX
- Graduate Research Assistant Biomechanics Laboratory
August 2013-May 2014 Bridgewater State University, Bridgewater, MA

- **Clinical Practice:**
 - Athletic Trainer Men's Lacrosse Club Team
2014-2016 Texas State University, San Marcos, TX
 - Exercise Instructor Renaissance Health Center
2007-2008 Seoul, South Korea

- **Military:**
 - Petty officer 2nd class ROKS MUNMU The Great (DDH-976)
2008-2010 Republic of Korea Navy, South Korea

IV. **RESEARCH**

- **Research Interests**
 - Musculoskeletal injuries
 - Neuroplasticity
 - Therapeutic exercises
 - Non-invasive brain stimulation

- **Refereed journal articles:**
 1. 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>.
 2. **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.

3. **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.
 4. **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.
 5. 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.
 6. 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.
 7. 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.
 8. 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.
- **Journal articles in preparation:**
 1. **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. *The Journal of Sport and Health Science*.
 2. Kim KM, **Kim JS**, Needle AR. Soleus arthrogenic muscle inhibition following acute lateral ankle sprain correlates with ankle disability, but not with impaired postural control. *The Journal of Sport and Health Science*.
 3. **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*.
 4. 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*.
 - **Other works or reports:**
 - Kim KM, **Kim JS**. Ankle sprain and the brain: experts explore role of CNS function, *Lower Extremity Review*. July 2017.
 - **Refereed abstracts and presentations:**
 1. **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.

2. **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.
3. 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.
4. **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.
5. 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.
6. **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.
7. 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.
8. **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.
9. 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.
10. **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.
11. 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***
12. 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.
13. 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.

14. 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.
 15. **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.
 16. 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.
 17. **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***
 18. **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.
 19. 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.
 20. **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.
- **Refereed abstracts under review:**
 1. **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*.
 2. **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*
 3. 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)*

V. PROFESSIONAL

- **Funded Research Projects:**
 - **Source:** National Chiropractic Mutual Insurance Company (NCMIC) foundation
Award: \$5,000
Title: Effects of transcranial direct current stimulation (tDCS) for chronic pain.
Period: 2022-2023.
Primary Investigator: William Adam

Role: Faculty Advisor

- **Source:** University of Miami School of Education and Human Development Research Support
Award: \$1,200
Title: Effects of transcranial direct current stimulation (tDCS) in combination with core stabilization exercises (CSE) for chronic low back pain (CLBP).
Period: 2022-2024.
Primary Investigator: William Adam
Role: Faculty Advisor
- **Source:** University of Miami School of Education and Human Development Research Support
Award: \$1,200
Title: Effects of transcranial direct current stimulation (tDCS) with balance training for chronic ankle instability.
Period: 2019-2021.
Primary Investigator: Joosung Kim
Co-investigator: Kyung-Min Kim
- **Source:** University of Miami School of Education and Human Development Research Support
Award: \$1,260
Title: Effects of transcranial direct current stimulation on neural excitability in patients with anterior cruciate ligament reconstruction.
Period: 2019
Primary Investigator: Joosung Kim
Co-investigator: Kyung-Min Kim
- **Source:** University of Miami School of Education and Human Development Research Support
Award: \$1,120
Title: Effects of stroboscopic vision on dynamic balance in patients with chronic ankle instability.
Period: 2018
Primary Investigator: Joosung Kim
Co-investigator: Kyung-Min Kim
- **Source:** Southwest Athletic Trainers' Association
Award: \$1,000
Title: Effects of focal knee joint cooling on different modes of quadriceps strength assessment.
Period: 2015-2016
Primary Investigator: Joosung Kim
Co-investigator: Kyung-Min Kim
- **Research Assistant for Funded Research Projects:**
 - **Source:** University of Miami Provost's Research Award
Award: \$17,000
Title: Neural Control of Balance Following Ankle Sprain
Period: 2017-2019
Primary Investigator: Kyung-Min Kim
Role: Research Assistant

- **Source:** University of Miami School of Education and Human Development
Award: \$5,000
Title: Effects of Chronic Ankle Instability on Neural Activity in the Brain
Period: 2016-2018
Primary Investigator: Kyung-Min Kim
Role: Research Assistant

- **Source:** Texas State University Research Enhancement Program
Award: \$16,000
Title: Effects of acute ankle sprain on muscle function.
Period: 2015-2016
Primary Investigator: Kyung-Min Kim
Role: Research Assistant

- **Editorial Responsibilities:**
Ad Hoc Reviewer:
 - 2022-Present, Scientific Reports
 - 2022-Present, Journal of Athletic Training
 - 2019-Present, Journal of Sports Rehabilitation
 - 2019-Present, Asian Journal of Kinesiology
 - 2015-Present, Exercise Science

- **Professional and Honorary Organizations:**
 - 2012-Present, National Athletic Trainers' Association
 - 2016-Present, Southeast Athletic Trainers' Association
 - 2014-Present, Korean Athletic Trainers' Association
 - 2019-2021, Society for Neuroscience
 - 2014-2016, Southwest Athletic Trainers' Association
 - 2012-2014, Eastern Athletic Trainers' Association

- **Honors and Awards:**
 - 2022, Faculty Support Award, Athletic Training Program, University of Miami.
 - *Voted by athletic training clinical students to the faculty member who has done the most to enhance their educational experiences.*
 - 2017-2020, Student Travel Awards, The School of Education and Human Development, University of Miami.
 - 2015-2016, Student Travel Awards, Department of Health and Human Performance, Texas State University.
 - 2015, Research Presentation Award in the Post Professional Master's and Doctoral Category, Southwest Athletic Trainers' Association.
 - 2015, Research Grant Award in the Post Professional Master's and Doctoral Category, Southwest Athletic Trainers' Association.
 - 2013, International Student Travel Award, The International Society of Biomechanics in Sports.

- 2011, Academic Excellence Scholarship, Wonkwang University, South Korea
- 2009, Navy Captain Citation Award for Somali Sea Escort Task Group, Cheonghae Unit, The Republic of Korea Navy
- 2004-2006, Wonkwang Scholarly Foundation Scholarship, Wonkwang University, South Korea
- **Post-Doctoral Fellowships: None**
- **Outside Professional Activities:**
 - Invited Speaker:**
 - August 2021, Neural excitability after an acute ankle sprain, 2nd International Athletic Training Research Symposium, South Korea.
 - May 2013, Ways to be an exemplary student-athlete, Department of Sports Science, Wonkwang University, South Korea
 - June 2012, Time management in Undergraduate Studies, Department of Sports Science, Wonkwang University, South Korea

VI. TEACHING

- **Teaching Specialization:**

Summer 2022, Department of Kinesiology and Sport Sciences, School of Education and Human Development, University of Miami:

Lecturer

- KIN233: Basic Anatomy Lab (Format: Online)
 - **Course evaluation: 4.6/5.0**
- KIN723: Research Experience (Format: Experiential Learning)

Guest Lecturer

- KIN663: Foundations of Athletic Training (Format: Online)
 - *Introduction to sports medicine research*
 - *A practical guide to conducting a case study*

August 2021-Present, Department of Kinesiology and Sport Sciences, School of Education and Human Development, University of Miami:

Lecturer

- KIN344: Gross Anatomy for Kinesiology and Sport Sciences (Format: Face to Face, Semester: Fall 2021, Spring 2022, Fall 2022)
 - **Course evaluation: 4.9/5.0-Fall 2021, 4.8/5.0-Spring 2022, 4.8/5.0-Fall 2022**
- KIN488: Gross Anatomy (Format: Face to Face, Semester: Fall 2021)
 - **Course evaluation: 5.0/5.0**
- KIN688: Advanced Gross Anatomy (Format: Face to Face, Semester: Fall 2021, Fall 2022)
 - **Course evaluation: 4.8/5.0-Fall 2021, 4.7/5.0-Fall 2022**
- KIN415: Evidence-Based Sports Medicine (Format: Face to Face, Semester: Spring 2022)
 - **Course evaluation: 4.9/5.0**
- KIN715: Evidence-Based Sports Medicine (Format: Face to Face, Semester: Spring 2022)
 - **Course evaluation: 4.2/5.0**
- KIN766: Research Method (Format: Hybrid, Semester: Spring 2022)
 - **Course evaluation: 4.3/5.0**

- KIN794: Advanced Individual Study (Format: Experiential Learning, Fall 2022)
- KIN491: Teaching Assistantship Training (Format: Field-Based Experience: Fall 2021, Fall 2022)

January 2018-May 2021, Department of Kinesiology and Sport Sciences, School of Education and Human Development, University of Miami:

Graduate Teaching Assistant

- KIN344 Gross Anatomy for Kinesiology and Sport Sciences
- KIN488 Gross Anatomy
- KIN415 Evidenced-Based Sports Medicine
- KIN345 Kinesiology

August 2014-May2016, Department of Health and Human Performance, School of Education, Texas State University:

Graduate Teaching Assistant

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

Guest lecturer

- AT3298 Foundation of Athletic Training Practice
 - *Emergency sports health care*

VII. LICENSURE AND CERTIFICATION

- 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, South Korea
2011-2016

VIII. SERVICE

- 2022, Founding Member, University of Miami Asian Faculty and Student Support Group
- 2022, Developed Recruiting Material for University of Miami Master of Athletic Training Program
- 2021-Present, Comprehensive Exam Committee, University of Miami Master of Athletic Training Program
- 2019, Member, University of Miami Graduate Association Funding Allocation Committee

- 2015-Present, Member, Institute of Athletic Training, Korean Athletic Trainers' Association
- 2014-Present, Officer, Korean Athletic Training Club
- 2013-2014, Executive Board Member, Bridgewater State University Athletic Training Club
- 2013-2014, President, Bridgewater State University Korean Student Association
- 2012-2013, Volunteered Assistant Coach, Women's Rugby Club Team, Bridgewater State University
- 2011-2012, President, Department of Physical Education Bodybuilding Club, Wonkwang University
- 2004-2006, Student-Athlete: Men's Rugby Team, Wonkwang University