

JUSTIN LEE RUSH, MS, LAT, ATC

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EDUCATION

University of Toledo

Doctorate of Philosophy in Exercise Science

2019-2023

University of Connecticut, Storrs, CT

Masters of Kinesiology in Exercise Science

2017-2019

Thesis: "The Effects of Transcranial Direct Current Stimulation on Quadriceps Muscle Function in Individuals with a History of Anterior Cruciate Ligament Reconstruction"

Westfield State University, Westfield, Massachusetts

Bachelors of Science in Athletic Training

2013-2017

Senior Project: "Sparring Increases Ankle Stability in Collegiate Field Sport Athletes: A Critically Appraised Topic"

CLINICAL EXPERIENCE

Eastern Connecticut State University- Graduate Assistant Athletic Trainer

2018-2019

Sports and Medical Sciences Academy- Graduate Assistant Athletic Trainer

2017-2018

Hartford Public Schools- Per Diem Athletic Trainer

2017-Present

Amherst College Men's Basketball- Athletic Training Student Intern

2016-2017

Varsity Spirit- First Aid and Medical Care

2015-2017

Westfield State University Football- Athletic Training Student Intern

2014

TEACHING EXPERIENCE

University of Connecticut

Model- PBL in Health and Medicine

2018

Act as an athlete with an assigned condition and work with athletic training students to complete a thorough evaluation.

Model- Mock Practical in Evaluation of Extremities

2018

Acted as an athlete and athletic training students had to perform complete evaluations for a particular injury and/or condition.

Teaching Assistant- Functional Anatomy for Athletic Trainers

2018

Led review sessions, graded assignments and exams, assisted with evaluation techniques, and was a model for practicals

Westfield State University

Scribe, Reader, and Proctor- Banacos Academic Center

2017

Proctor exams, write answers, and read exam questions for students with physical and learning disabilities.

RESEARCH EXPERIENCE

University of Connecticut

Research Assistant- Sports Optimization and Rehabilitation Laboratory **2017 – Present**
Collect data, process electromyographic data, assist PhD students with projects, operate Biodex and Labview programs

Research Assistant- Comparative Orthopaedic Rehabilitation Laboratory **2017 – Present**
Construct electromyography electrodes for rodent studies and help organize muscle samples. Also participate in removal of muscle samples.

Heat Lab Research- Research Paper for Exertional Heat Stroke Course **2017-2018**
Observed the effects of exercising in the heat on a sleep deprived individual using measurements of rate of perceived exertion, rectal temperature, and wet bulb globe temperature

Jump ACL Field Research **2018-Present**
Collected Landing Error Scoring System data at the United States Military Academy West Point for incoming cadets to determine if individuals were at risk of injury based off of their performance.

Equipment Expertise

Isokinetic Dynamometer (Biodex), Noraxon (EMG software), Grass Stimulator (Central Activation Ratio), Transcranial Direct Current Stimulation (Halo Sport), Physimax

PUBLICATIONS AND PAPERS

Rush JL, Lepley LK, Davi SM, Lepley AS. The immediate effects of transcranial direct current stimulation on quadriceps muscle function in individuals with a history of anterior cruciate ligament reconstruction. *Journal of Sports Rehabilitation*. May 2019. In Review.

Mazerolle, SM., Pike, AM., Coleman, KA., Myers, SL., Barrett, J., Belval, LN., **Rush, JL.**, Katch, RK. Doctoral education in athletic training: Pursuit of the degree and its influence on career Aspiration. *Athletic Training Education Journal*. December 2018. In Press

PRESENTATIONS

Rush, JL. “The Effects of Transcranial Direct Current Stimulation on Quadriceps Muscle Function in Individuals with a History of Anterior Cruciate Ligament Reconstruction” **2019**

Hunt, DL., **Rush, JL.** Cacolice, P. “Sparring Increases Ankle Stability in Collegiate Field Sport Athletes: A Critically Appraised Topic”. **2018**

PROFESSIONAL DEVELOPMENT

National Athletic Trainers’ Association Annual Conference, June 2019, Las Vegas, NV
National Athletic Trainers’ Association Annual Conference, June 2018, New Orleans, LA
Eastern Athletic Trainers’ Association Annual Conference, January 2018, Boston, MA
New England American College of Sports Medicine Annual Conference, October 2017, Providence, RI

MEMBERSHIPS

National Board of Certification

Certified Athletic Trainer (BOC#2000029855)

Connecticut Department of Public Health

Licensed Athletic Trainer (LIC#001269)

National Athletic Trainers Association (NATA)

Certified-Student Member (Membership#78052)

American Red Cross

Basic Life Support CPR and AED Certified (Valid through March 2020)

Institute for Collaboration on Health, Intervention, and Policy (InCHIP)

Joined 2018

MANUSCRIPT REVIEWER

Journal of Athletic Training (2018-Present)

Athletic Training Education Journal (2018-Present)

Journal of Sports Rehabilitation (2019- Present)

References

Adam Lepley, PhD, ATC

Program Director, Professional Athletic Training Program

Assistant Professor in Residence, Department of Kinesiology

University of Connecticut

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Lindsey Lepley, PhD, ATC

Assistant Professor, Department of Kinesiology

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Paul Higgins, DPT, MPT, ATC, CSCS

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