

Emilie N. Miley DAT, SCAT, ATC, CMP

emiley@csuniv.edu

EDUCATION

Degrees:

Doctor of Philosophy in Education, *University of Idaho, Moscow, ID, August 2018-Present*
Specialization: Psychometric analysis of patient-reported outcomes

Academic Certificate, University of Idaho, *Moscow, ID, August 2020*
Specialization: Statistics

Doctor of Athletic Training, University of Idaho, *Moscow, ID, December 2017*
Specialization: Athletic Training
Dissertation Title: Evaluation and Treatment of Musculoskeletal Asymmetry through a
Regional Interdependence Approach: A Dissertation in Clinical Practice
Improvement

Master of Science in Athletic Training, Indiana State University, *Terre Haute, IN, May 2015*
Specialization: Athletic Training
Thesis Title: Continuing Medical Education Outcomes in Health Professions: Meta-Analysis

Bachelor of Science in Athletic Training, *Indiana State University, Terre Haute, IN, August 2013*
Specialization: Athletic Training

Certificates and Licenses:

State Certified Athletic Trainer, *South Carolina DHEC # 1728*
Licensed Athletic Trainers, *Idaho Board of Medicine # AT-658*
Certified Athletic Trainer, Board of Certification #2000013061
National Provider Identifier, # 1740606383
National Athletic Trainers' Association Member #39483
Basic Life Support for Healthcare Providers, *American Heart Association*
Certified Mulligan Practitioner, *Mulligan Concept Teacher's Association*
Licensed Athletic Trainer, *Louisiana Board of Medicine # 307459 (Expired)*
Licensed Athletic Trainer, *Indiana Professional Licensing Agency # 36002165A*

EXPERIENCE

Teaching and Research Appointments:

Charleston Southern University, *Charleston, SC, June 2020-Present*
Assistant Professor, College of Health Sciences

- Graduate teaching 16 credit hours within the Master in Athletic Training program
- Undergraduate teaching 8 credit hours within the Kinesiology Department

University of Idaho, *Moscow, ID, May 2018-July 2020*
Postdoctoral Fellow, Department of Movement Sciences

- Graduate teaching 4 credit hours within the Master of Science in Athletic Training program
- Research responsibilities as assigned
- Serving as a preceptor in the Integrated Sports Medicine and Rehabilitation Clinic
- Aided in the role of clinical education coordinator duties as assigned
- Aided in the 2018 re-accreditation process

McNeese State University, *Lake Charles, LA, August 2017-May 2018*

Assistant Professor, Department of Health & Human Performance

- Undergraduate teaching 12 credit hours within the Sports Medicine program and the Exercise Science programs.
- Graduate teaching 3 credit hours within the Exercise Physiology program.
- Aiding in the development of the Master of Science in Athletic Training program.

Indiana State University, *Terre Haute, Indiana, August 2013-May 2015*

Graduate Teaching Assistant, Undergraduate Athletic Training Program

Academic Administrative Appointments:

Erskine College, *Due West, SC, August 2015-August 2017*

Clinical Education Coordinator, Athletic Training Program

- Oversaw of 10 clinical sites, preceptor training and maintaining preceptor certifications, maintaining all clinical site affiliations agreements, clinical site evaluations, coordinating all clinical rotations for the students, student evaluations, and annual student training (i.e. Bloodborne Pathogens Training, HIPAA/FERPA Training).
- Undergraduate teaching 6 credits per semester.
- Completed 2016 CAATE progress report.
- Aided in the development of the curriculum for the Master of Science in Athletic Training Program.

Non-Academic Employment:

Department of Health and Environmental Control, *Charleston, SC, October 2020-Present*

COVID-19 Statistical & Research Analyst – Lowcountry Region

- Perform quality assurance on reported COVID-19 data.

Integrated Sports Medicine and Rehabilitation Therapy Clinic, *Moscow, ID, Aug. 2018-July 2020*

Athletic Trainer, Preceptor

- Provided medical services, evaluated acute and chronic injuries, treated, designed and implemented functional rehabilitation programs for students, faculty and staff of the University of Idaho and for the community of Moscow with patient referral.
- Served as a preceptor for the professional Master of Science in Athletic Training program at the University of Idaho.

Imperial Health, *Lake Charles, LA, January 2018-May 2018*

Athletic Trainer, High School Outreach

- Provided medical services to the high school patients, communication with the parents, and proper referral to other medical professionals as needed.
- Evaluated athletic injuries, treated, designed and implemented functional rehabilitation programs; provided first aid and emergency care; and education of patients and coaches.

Ersine College, *Due West, South Carolina, August 2015-August 2017*

Athletic Trainer and Preceptor

- Provided medical services to all patients of the NCAA Division II intercollegiate athletic teams that include 359 student-athletes. Primary team responsibilities included Women's Soccer and Baseball.
- Evaluated athletic injuries, treated, designed and implemented functional rehabilitation programs; provided first aid and emergency care; and education of patients and coaches.
- Maintenance of all athletes' medical records, both on paper and electronically (through the use of the ATS systems).
- Coordinated doctor's appointments.
- Assisted in the organization of the yearly pre-participation examinations for all incoming student-athletes.
- Administered institutional drug testing.
- Served as a preceptor to undergraduate Athletic Training students.

Prodigy Youth Wrestling Club, *Terre Haute, Indiana, November 2013-May 2015*

Athletic Trainer

- Provided medical services to the youth athletes, communication with the parents, and proper referral to other medical professionals.

Indiana State University, *Terre Haute, IN, May 2017-August 2014*

Graduate Assistant Athletic Trainer and Preceptor

- Assisted in the medical coverage at Indiana State University NCAA Division I intercollegiate teams throughout the summer.
- Designed and implemented rehabilitation programs, physician referrals, transportation of patients to physician appointments, and camp coverage.
- Assisted in yearly pre-participation examinations (i.e., FMS screening).
- Assisted in medical coverage while hosting NCAA Division I events (i.e. NCAA DI Cross Country Pre-nationals and Nationals, Missouri Valley Conference Baseball Championship).

Terre Haute South Vigo High School, *Terre Haute, IN, July 2013-May 2015*

Graduate Assistant Athletic Trainer and Preceptor

- Provided medical services to all patients of the 4A high school
- Maintained constant communication with the other medical staff at the high school, which included the head athletic trainer, graduate assistant athletic trainer and the team physician.

- Maintained medical records of all student athletes' both on paper and electronically (i.e., SportsWare).
- Assisted in coordination of referrals, organization of yearly pre-participation examinations for all student-athletes and designed and implemented rehabilitation programs.
- Served as a preceptor for the Athletic Training students from Indiana State University.

TEACHING ACCOMPLISHMENTS

Areas of Contemporary Expertise: Evaluation, Rehabilitation, Manual Therapy, Research Methods

Courses Taught:

Charleston Southern University, Charleston, SC

ATPP 515 Medical Terminology & Patient Care

ATPP 560 Clinical Diagnosis & Therapeutic Intervention: Lower Extremity

ATPP 590 Clinical Practice in AT III

ATPP 610: Clinical Diagnosis & Therapeutic Intervention: General Medical Condition

ATPP 650 Fitness/Nutrition Prescription/Wellness Performance

ATPP 680 Clinical Practice in AT VII

ATPP 690 Professional Issues in AT

KINE 224 Prevention and Care: Recognition of Athletic Injuries

KINE 211 Health and Fitness Assessment

KINE 101 Introduction to Kinesiology

Course Development:

ATPP 515 Medical Terminology & Patient Care

University of Idaho, Moscow, ID

AT 523 Clinical Experience II

AT 535 Seminar I in Athletic Training

AT 532 Evaluation II – Upper Extremity

AT 533 Applied Rehabilitation

AT 541 Seminar II in Athletic Training

AT 550 Clinical Education III

AT 551 Clinical Experience III

Course Development:

AT 504: Diagnostic Testing & Imaging in AT

AT 541: Seminar II in Athletic Training

McNeese State University, Lake Charles, LA

HHP 431 Advanced Sports Medicine

HHP 375 Therapeutic Modalities

HHP 425 Test and Measurements

HHP 418 Practicum in Health and Human Performance

HHP 168 Conditioning
HHP 611 Test and Measurements

Erskine College, Due West, SC

AT 230 Orthopedic Diagnosis of Upper Extremity
AT 240 Therapeutic Modalities
AT 402 Clinical Kinesiology
AT 242 Therapeutic Exercise

Indiana State University, Terre Haute, IN

ATTR 255 Athletic Training Practicum I
ATTR 212 Introduction to Athletic Training
ATTR 365L Orthopedic Evaluation & Diagnosis of the Upper Extremity

Advising and Mentorship for Student Research

Doctorate in Athletic Training

- [REDACTED] Reliability and Validity of the Clinometer Smartphone Application for Hip Range of Motion. 2018-2019

Master of Science in Athletic Training

- [REDACTED] The Effects of Mulligan with Movement in conjunction with Neural Tissue Mobilization to Treat Spinal Radiculopathies. 2020-2021
- [REDACTED] Changes in Hip Range of Motion Following Application of the Mulligan Concept Traction Straight Leg Raise and Bent Leg Raise Techniques: A Critically Appraised Topic. 2019-2020
- [REDACTED] Neurodynamics: A Case Review of Chronic Low Back Pain. 2019-2020

Bachelor of Science in Athletic Training

- [REDACTED] Effects of Mulligan Concept on Shoulder ROM, 2016-2017
- [REDACTED] Total Motion Release of the Shoulder, 2016-2017
- [REDACTED] Rehabilitation of Post-Surgical Hip Impingement, 2015-2016
- [REDACTED] Effects of Total Motion Release on Vertical Jump, 2015-2016

RESEARCH AND SCHOLARLY ACTIVITY

Refereed (Blind External Peer-Reviewed) Journal Articles:

1. **Miley EN**, Reeves A, Casanova M, Martonick N, Baker J, Baker RT. Test-Retest Reliability of the Total Motion Release® Scale. *J Sport Rehab*. Accepted for publication, 2021.

2. Santiago S, **Miley EN**, Baker RT. Neurodynamics: A Case Review of Chronic Low Back Pain. *Athletic Training and Sports Health Care*. Accepted for publication, 2021.
3. **Miley EN**, May J, Albertin E, Takahashi E, Goodman C, Pettaway A. "Reliability and Validity for Measuring Active Hip Rotation with the Clinometer Smartphone Application™." *Journal of Rehabilitation Sciences & Research*. 2019; 6(4): 193-199.
4. **Miley EN**, May J. Neurodynamics: A Case Review of Shoulder Pain and Loss of Range of Motion. *Athletic Training and Sports Health Care*. 2019;11(1):44-7.
5. Albertin, ES, **Miley, EN**, May, J, Baker, RT, & Reordan, D. The Effects of Hip Mobilizations on Patient Outcomes: A Critically Appraised Topic. *J Sport Rehab*. 2018; (00), 1-5.

Refereed Articles in Peer-Review:

1. **Miley EN**, Reeves A, Hanna S, Baker J, Baker RT. Validity and Reliability of the Clinometer Smartphone Application for Measurement of Knee Flexion. Under review.
2. **Miley EN**, Baker RT, Casanova M, Pickering MA, Cheatham SW, Larkins L. Confirmatory Factor Analysis of the Hip Disability and Osteoarthritis Outcome Survey.

Refereed Manuscripts in Preparation:

1. **Miley EN**, Hansberger B, Casanova M, Pickering MA, Baker RT. Confirmatory Factor Analysis of the Athlete Sleep Behavior Questionnaire.
2. **Miley EN**, Baker RT, Cheatham SW, Larkins L, Baily J. Demographic Analysis of Hip ROM Profiles.
3. **Miley EN**, Powell A, Baker RT, Baker J. Description of Patient Cases in an Athletic Training Teaching Clinic.
4. **Miley EN**, Martinez RE, Fermin S, Baker RT. Mulligan Concept Mobilization with Movement of the Pelvic Girdle: A Systematic-Review.
5. **Miley EN**, Albertin EA, May J, Baker RT. Hip Asymmetry: A Randomized Controlled Study to Investigate Effects of the Mulligan Concept on Hip Range of Motion.

Presentations

International:

1. **Miley EN**, Martinez RE. Assessing Musculoskeletal Pain through the Forgotten Nervous System: Neurodynamics of the Lower Extremity. *Canadian Athletic Therapists' Association*. Accepted for June 30th, 2020. Hamilton, ON. Oral Lab Presentation. Cancelled due to COVID-19.

2. Martinez RE, **Miley EN**. Mulligan Mobilizations with Movement: The Treatment Tool You Have Been Missing. *Canadian Athletic Therapists' Association*. Accepted for May 30th, 2019. Calgary, AB. Oral Lab Presentation.

National:

1. **Miley EN**, Martinez RE. Assessing Musculoskeletal Pain through the Forgotten Nervous System: Neurodynamics of the Lower Extremity. *National Athletic Trainers Association Annual Meeting and Clinical Symposium*. Accepted for June 2020. Atlanta, GA. Oral Lab Presentation. Cancelled due to COVID-19.
2. Fuchs E. Athletic Trainers Utilization & Clinical Establishment of IV Access & Fluid administration to improve Patient Care. *National Athletic Trainers Association Annual Meeting and Clinical Symposium*. 2019, Las Vegas NV. **Lab Assistant**.
3. Quintero M, Rutherford C. Shoulder Symptom Modification Procedure: A Treatment-Based Classification Approach. *National Athletic Trainers Association Annual Meeting and Clinical Symposium*. 2019, Las Vegas NV. **Lab Assistant**.
4. Albertine EA, **Miley EN**. Nerves have Feelings Too: A Neurodynamic Assessment of the Upper Extremity. *National Athletic Trainers Association Annual Meeting and Clinical Symposium*. 2017. Houston, TX. Oral Lab Presentation.
5. Quintero M, Rutherford C, Cramer J, **Miley EN**, Martinez R, Sigley D. Expecting Immediate Changes in Shoulder Dysfunction: A Treatment-Based Classification Approach. *National Athletic Trainers Association Annual Meeting and Clinical Symposium*. 2017. Houston, TX. Oral Lab Presentation.

Regional:

1. Martinez RE, **Miley EN**. Exercise Your Pain Away: Inducing Fatigue to Relax the Body and Alter Pain Perception. *Southeast Athletic Trainers' Association Annual Meeting*. 2020. Atlanta, GA. Oral Lab Presentation.
2. **Miley, EN.**, Larkins, L. EBP Approach to Assessment and Treatment of Pelvic Girdle Pain. *Northwest Athletic Trainers' Association Annual Meeting*. Accepted for March 28th, 2019. Spokane, WA. Oral Lab Presentation.
3. Martinez R, **Miley EN**. Neurodynamics of the Upper Extremity. *Northwest Athletic Trainers' Association Annual Meeting*. Accepted for March 27th, 2019. Spokane, WA. Oral Lab Presentation.
4. Martinez R, **Miley EN**. A Novel Approach to Assessment and Treatment of the Lower Extremity. *Southeast Athletic Trainers' Association Annual Meeting*. 2019. Atlanta, GA. Oral Lab Presentation.

5. **Miley EN**, Martinez R. Neurodynamics of the Upper Extremity. *Southeast Athletic Trainers' Association Annual Meeting*. 2018. Atlanta, GA. Oral Lab Presentation.

Poster Presentations:

1. **Miley EN**, Eberman LE, Games KE. Continuing medical education outcomes in the medical and health professions: A meta-analysis. *Journal of Athletic Training*. World Federation of Athletic Training and Therapy World Congress. St. Louis, MO, USA. June 2015. Poster Presentation.

Non-funded Grant Applications:

1. **Miley EN**, Baker RT, Larkins L, Jun HP. Assessing the Mulligan Concept Intervention for the Correction of Hip Asymmetries among Healthy Subjects. Agency for Healthcare Research and Quality (AHRQ)-sponsored National Research Service Award (NRSA) Individual Postdoctoral Fellowship (F32).
2. **Miley EN**, Eberman LE, Games KE. Continuing Medical Education Outcomes in Health Professions: A Meta-Analysis. (2014) *Indiana State University Graduate School*. Amount Funded \$600.00
3. **Miley EN**. World Federation of Athletic Training and Therapy. (2015) *Indiana State University Graduate School*. Amount Funded \$300.00

Awards:

1. Juliet Hardtner Women in Science and Technology Professorship. (2017) *McNeese State University*. Amount Awarded \$5,000.00

PROFESSIONAL SERVICE

SCATA Education Committee, *South Carolina Athletic Trainers' Association*, 2021-Present
BOC Item-writer, *Board of Certification for the Athletic Trainer*, 2020-Present
Research and Education Foundation Chair, *Idaho Athletic Trainers' Association*, 2019-2020
National Athletic Trainers' Association Clinical Symposium Moderator, *June 2019*
Peer Reviewer, *Journal of Clinical Practice in Athletic Training*, 2018-Present
Peer Reviewer, *Journal of Sports Medicine and Allied Health Professions*, 2018-Present
Peer Reviewer, *Journal of Sports Rehabilitation*, 2018-Present
Young Professionals Committee, *Louisiana Athletic Trainers' Association*, 2017-2018
Young Professionals Committee Mentor, *SC Athletic Trainers' Association* 2017- Present

PROFESSIONAL DEVELOPMENT

Conferences and Seminars/Symposiums:

Northwest Athletic Trainers' Association Annual Meeting, *March 2019*
Athletic Training Educator's Conference, *February 2017, 2019*

National Athletic Trainers' Association Clinical Symposium, June 2013-2017
Commission on Accreditation of Athletic Training Education, October 2017
Southeastern Athletic Trainers' Association, February 2016, March 2018, 2019, 2020
South Carolina Athletic Trainers' Association, July 2017
World Federation of Athletic Training and Therapy World Congress, June 2015

Clinical Continuing Education

Athletic Trainers Utilization & Clinical Establishment of IV Access & Fluid administration to improve Patient Care, July 2019
Positional Release Therapy of the Pelvis, July 2018
Rock Tape, June 2018
Tecnica Gavilan, May 2018
Certified Mulligan Practitioner, Nov. 2017
Mobilization of the Nervous System, Neurodynamics, May 2017
Myokinesthetics of Upper Extremity, July 2016
Total Motion Release, Levels 1, 2 & 3, June 2016
Total Motion Release, Spinal Manipulation, June 2016
Mulligan Concept Upper Quarter, June 2016
Primal Reflex Release Technique, Level 1, June 2016
Mulligan Concept of the SIJ & Pubic Symphysis, Feb. 2016
Mulligan Concept Lower Quarter, July 2015
Myofascial Decompression, March 2014
Graston Certification- M1, May 2013

Volunteer and Outreach

Palouse Sprint Triathlon, Moscon, ID. September 2018, 2019
Northwest Navy Competition, Moscon, ID. March 2019
University of Idaho Dance Competition, Moscon, ID. February 2018
Ironman Triathlon World Championship, Kona, HI. October 2016, 2018
Special Olympics, Clinton, SC. May 2016
Youth Injury Prevention and Education Expo, Terre Haute, IN. 2014
Special Olympics, Terre Haute, IN. 2014
Nike Cross Country Invitational, Terre Haute, IN. 2014
IHSAA State Cross Country, Terre Haute, IN. 2014
NCAA DI Cross Country Pre-Nationals, Terre Haute, IN. Oct. 2012, 2013, 2014
NCAA DI Cross Country Nationals, Terre Haute, IN. November 2013, 2014
Ironman Triathlon, Louisville, KY. August 2011, 2012, 2013, 2014