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### **AREAS OF EXPERTISE AND INTERESTS**

- Determining the impact of sport-related injuries on patient-reported outcomes, particularly the short- and long-term effects of lower extremity injuries on functional limitations, disability, and health-related quality of life
- Describing clinical practice characteristics, such as injury, treatment, cost, and value characteristics, with the aims of understanding practice patterns, identifying opportunities for quality improvement, and improving quality of patient care
- Implementing new methodologies to support comparative effectiveness research including the use of practice-based research networks, point-of-care clinical trials, Bayesian statistics, and healthcare information technology (eg, electronic medical records, big data, mobile devices)

### **CURRENT ACADEMIC APPOINTMENTS**

#### **ASSOCIATE PROFESSOR OF CLINICAL RESEARCH**

Department of Interdisciplinary Health Sciences  
A.T. Still University

#### **DIRECTOR**

Athletic Training Practice-Based Research Network (AT-PBRN)  
Agency for Healthcare Research and Quality Affiliate Network

#### **VICE CHAIR**

Institutional Review Board – Arizona Campus  
A.T. Still University

#### **ASSOCIATE PROFESSOR OF ATHLETIC TRAINING**

Athletic Training Programs  
A.T. Still University

#### **RESEARCH SCIENTIST**

Still Research Institute: Center for Clinical Outcomes Studies  
A.T. Still University

## **EDUCATION**

### **POST-DOCTORAL FELLOWSHIP**

**A.T. Still University, 2009-2011**

Area of Focus: Patient-Oriented Outcomes Research

### **DOCTOR OF SCIENCE**

**Boston University, 2005-2009**

Area of Focus: Rehabilitation Sciences

### **MASTER OF EDUCATION**

**Boston University, 2003-2004**

Area of Focus: Human Movement

### **BACHELOR OF SCIENCE**

**Boston University, 1998-2003**

Major: Athletic Training

## **PROFESSIONAL EXPERIENCE AND APPOINTMENTS**

### **ASSOCIATE PROFESSOR OF CLINICAL RESEARCH**

**A.T. Still University, Department of Interdisciplinary Health Sciences, 2011-present**

- Awarded tenure in 2017
- Promoted to Associate Professor in 2015
- Assistant Professor from 2011 to 2015
- Provide school-wide methodological and statistical support for faculty and student research projects including consultation on study design, data organization, data analysis, and interpretation of study results

### **DIRECTOR**

**Athletic Training Practice-Based Research Network (AT-PBRN), 2016-present**

- Supervise daily activities of the Athletic Training Practice-Based Research Network (AT-PBRN), an *affiliate* PBRN of the Department of Health & Human Services, Agency for Healthcare Research and Quality (AHRQ)
- Responsibilities include developing and executing strategic plan, managing budgetary tasks, promoting the AT-PBRN, and engaging in point-of-care clinical research

### **ASSOCIATE PROFESSOR OF ATHLETIC TRAINING**

**A.T. Still University, Department of Interdisciplinary Health Sciences, 2014-present**

- Program faculty for Athletic Training Programs including the Doctor of Athletic Training degree and the Commission on Accreditation of Athletic Training Education (CAATE) accredited post-professional master's degree programs
- Serve as academic and thesis advisor for students
- Advise on Athletic Training Programs Academic Review Board

## **RESEARCH SCIENTIST**

**A.T. Still University, *Still Research Institute, 2014-present***

- Member of the Center of Clinical Outcomes Studies at A.T. Still University
- Responsibilities include actively engaging in projects assigned by the Center, acting as a mentor for the Clinician Research Development Program, and disseminating research outcomes through publications and presentations

## **SCIENTIST**

**Athletic Training Practice-Based Research Network (AT-PBRN), 2011-present**

- Provide support and expertise for investigations related to patient-oriented outcomes and lower extremity injuries
- Identify methodological approaches to foster and enhance clinical research within the AT-PBRN including comparative effectiveness investigations

## **DIRECTOR OF CLINICAL INFORMATICS**

**Athletic Training Practice-Based Research Network (AT-PBRN), 2013-2016**

- Provided support and expertise for managing and extracting data for the AT-PBRN
- Responsibilities included overseeing the day-to-day management of the relational database, assuring data integrity within the database, acting as the liaison between the clinicians and administration of the AT-PBRN, managing technology inventory, supervising all aspects of the education and training of clinicians nation-wide, and advising the Clinical Practice Site Coordinator.

## **CLINICAL PRACTICE SITE COORDINATOR**

**Athletic Training Practice-Based Research Network (AT-PBRN), 2009-2013**

- Acted as the primary contact for clinicians within the AT-PBRN
- Responsible for facilitating the recruitment and enrollment processes of clinicians, conducting all educational and training sessions for clinicians from across the country and fielding questions from clinicians.

## **POST-DOCTORAL RESEARCH FELLOW**

**A.T. Still University, *Center for Clinical Outcomes Studies, 2009-2011***

- Managed multiple research projects including the Clinical Outcomes Research Education for Athletic Trainers (CORE-AT) project, a large-scale prospective study addressing patient-centered outcomes in an adolescent population
- Monitored the project's web-based electronic medical records (EMR) system and injury surveillance component (ISC)
- Revised and edit CORE-AT user manual
- Conducted focus group sessions to improve data collection for externally funded studies

## **ADJUNCT FACULTY**

**A.T. Still University, *Department of Interdisciplinary Health Sciences, 2010-2011***

- Primary instructor for courses within the Doctor of Health Sciences program
- Created syllabus and developed course content for online courses.

## **RESEARCH ASSISTANT**

**Boston University**, *Department of Physical Therapy and Athletic Training, 2006-2008*

- Worked in collaboration with the College of Engineering at Boston University and the Hartford Insurance Company to create an on-body lift monitor to prevent low back injuries
- Completed a critical review on the effects of lifting posture on low back biomechanics. Managed and conducted data collection to validate lift monitor
- Created templates for in-field testing of the lift monitor at a New Balance sorting facility
- Presented findings to corporate sponsors and consulted on project development.

## **CLINICAL EDUCATION SUPERVISOR**

**Boston University**, *Department of Physical Therapy and Athletic Training, 2005-2007*

- Supervised the clinical experience of Boston University athletic training students assigned to a “Supersite” at the Massachusetts Institute of Technology (MIT)
- Mentored and advised five clinical preceptors (fka approved clinical instructors)
- Served as liaison between BU athletic training faculty and MIT Director of Sports Medicine
- Organized and conducted orientation session for incoming athletic training students  
Attended weekly BU athletic training faculty meetings

## **CLINICAL EDUCATION TEACHING ASSISTANT**

**Boston University**, *Department of Physical Therapy and Athletic Training, 2003-2009*

- Facilitated the clinical education of athletic training students in the Boston University varsity athletic training room

## **ATHLETIC TRAINER**

**Massachusetts Institute of Technology**, Cambridge, MA, *2005-2007*

- Prevented, evaluated, managed, and rehabilitated injuries and illnesses for 41 intercollegiate teams, primarily for football, men’s and women’s volleyball, and men’s and women’s track
- Assisted in the planning and organization of cervical spine management in-service for the Massachusetts Institute of Technology Emergency Medical Technicians department
- Supervised athletic training students as a clinical preceptor

## **ASSISTANT ATHLETIC TRAINER**

**Rutgers University – New Brunswick Campus**, New Brunswick, NJ, *2004-2005*

- Managed the health care of Division I-A baseball, volleyball, and fencing teams. Supervised daily operations of satellite athletic training room
- Hosted and coordinated medical coverage for volleyball and baseball BIG EAST tournaments
- Scheduled and managed pre-participation physical examinations. Served as liaison between team physician and head coaches for in-season drug testing.

## **GRADUATE ASSISTANT ATHLETIC TRAINER**

**Boston University, Boston, MA, 2003-2004**

- Provided athletic training services for 25 club sports teams, primarily women's rugby and women's ice hockey
- Assessed inventory of athletic training supplies and equipment for annual budget
- Processed insurance forms for medical referrals, procedures, and claims

## **TEACHING ACTIVITY**

(IR) = Instructor of Record

(Co) = Co-Instructor

(TF) = Teaching Fellow

### **A.T. Still University**

### **Doctorate Courses**

2017-Present	ATRN 8100	Practice-Based Research	3 credits	(IR)
2016-Present	ATRN 8020	Research Methods and Design	3 credits	(IR)
2016-Present	ATRN 8010	Methods of Data Analysis	3 credits	(IR)
2016-Present	ATRN 9003	Analyzing the Problem	5 credits	(IR)
2015-Present	ATRN 7140	Health Information Technology	3 credits	(IR)
2011	DHS 802	Evidence-Based Practice	3 credits	(IR)
2010	DHS 801	Healthcare Outcomes	3 credits	(IR)
2010	DHS 802	Evidence-Based Practice	3 credits	(TF)
2009	DHS 801	Healthcare Outcomes	3 credits	(TF)

### **A.T. Still University**

### **Masters Courses**

2016-Present	ATRN 5201	Advanced Clinical Practice: HIT	3 credits	(IR)
2010-Present	ASHS 6300	Research Methods and Design	3 credits	(Co)
2010-Present	ASHS 6400	Methods of Data Analysis	3 credits	(Co)
2010-2015	ATRN 6125	Healthcare Informatics and Technology	3 credits	(IR)
2010	ATRN 6120	Sport Injury Epidemiology	3 credits	(TF)
2010	ATRN 5060	Clinical Outcomes Research	3 credits	(TF)
2009-2010	ATRN 5130	Healthcare Outcomes	3 credits	(TF)
2009	ATRN 5110	Evidence-Based Practice	3 credits	(TF)

### **Boston University**

### **Undergraduate Courses**

2008-2009	HP 531	Clinical Medicine: Physical Agents	4 credits	(TF)
2008-2009	HP 532	Clinical Medicine: General Medical	4 credits	(TF)
2006-2009	AT 356	Examination of Orthopedic Injuries	4 credits	(TF)
2006-2009	AT 305/405	Clinical Practice Practicum II	4 credits	(TF)
2005-2008	AT 304/404	Clinical Practice Practicum I	4 credits	(TF)

## **GRANTS FUNDED**

1. **Do baseline measurements of functional performance and health-related quality of life predict occurrence of lateral ankle sprain at the point-of-care?**

Funding Agency: Strategic Research Fund (A.T. Still University)

Role: Co-Principal Investigator (with Ashley Marshall, PhD, ATC)

Funding period: June 2018-June 2019

Total funding: \$19,700

The purpose of this study is to determine if baseline participant performance measures and/or patient-reported outcome measures can predict the occurrence of lateral ankle sprain injury.

2. **An evaluation of the prevalence and effectiveness of care provided by athletic trainers in a military population**

Funding Agency: National Athletic Trainers' Association Research and Education Foundation

Principal Investigator: Kara N. Radzak, PhD, ATC

Role: Co-Investigator

Funding period: August 2017 – July 2018

Total funding: \$20,000

The purpose of this study is to identify clinical practice characteristics of athletic trainers working with Reserve Officer Training Corps battalions and identify current needs for healthcare in this patient population.

3. **Do treatments provided at the point-of-care influence recurrent injury risk and long-term patient outcomes after acute lateral ankle sprain?**

Funding Agency: National Athletic Trainers' Association Research and Education Foundation

Role: Principal Investigator

Funding period: August 2016 – July 2019

Total funding: \$105,225

The purpose of this study is to determine the impact of treatments provided by athletic trainers at the point-of-care on patient-reported outcomes, clinician-oriented outcomes, re-injury, and the development of chronic ankle instability one-year after lateral ankle sprains.

4. **Long-term patient outcomes following a lateral ankle sprain: a ResearchKit study**

Funding Agency: Strategic Research Fund (A.T. Still University)

Role: Principal Investigator

Funding period: July 2016 – June 2018

Total funding: \$18,966

The purpose of this study is to determine if scores on patient-reported outcome measures and/or injury characteristics can predict the development of chronic ankle instability within 1 year of a lateral ankle sprain injury.

5. **Lower extremity injuries in adolescent athletes: a whole person investigation.**

Funding Agency: Strategic Research Fund (A.T. Still University)

Role: Principal Investigator

Funding period: July 2012 – June 2015

Total funding: \$22,093

The purpose of this inter-campus, inter-professional, multi-site, prospective, cohort study is to determine if clinician-rated assessment measures can be used to identify individuals who are at-risk for sport-related lower extremity injuries and to use patient-rated assessment measures to gain a better understanding of the immediate and short-term impact of sport-related lower extremity injuries on health-related quality of life in adolescent athletes.

6. **Utilizing the clinical outcomes research education for athletic trainers (CORE-AT) LITE module to facilitate the collection and tracking of patient-rated outcomes during patient care: a feasibility study.**

Funding Agency: Warner/Fermaturo and A.T. Still University Board of Trustees Research Grant

Role: Principal Investigator

Funding period: July 2011 – June 2014

Total funding: \$4,000

The purpose of this study is to determine the feasibility of CORE-AT LITE (ie, a module consisting of a tablet computer and a customized patient-rated outcome instrument application) to collect and track patient-rated outcomes during patient care.

7. **The comparative effectiveness of an electronic medical record (EMR) system and access improvements, and performance feedback reporting on EMR utilization within a secondary school athletic training practice-based research network.**

Funding Agency: Strategic Research Fund (A.T. Still University)

Principal Investigators: Kellie Huxel, PhD, ATC; John Parsons, PhD, ATC

Role: Co-Investigator

Funding period: July 2010 – July 2012

Total funding: \$40,399

The purpose of this study is to characterize and enhance the utilization of a customized, practice-specific electronic medical record (EMR) by athletic trainers (AT) and patients within the Athletic Training Practice-Based Research Network, with the aim of improving data collection efforts and facilitating the provision of whole person healthcare.

8. **The effect of sport-related concussion on cognition, balance, symptoms and health-related quality of life in adolescent athletes.**

Funding Agency: National Operating Committee on Standards for Athletic Equipment (NOCSAE)

Principal Investigator: Tamara C. Valovich McLeod, PhD, ATC

Role: Co-Investigator

Funding period: May 2010 – May 2012

Total funding: \$102,153

This project aims to: 1) assess the immediate and prolonged effects of concussion on health-related quality of life (HRQOL) in adolescent athletes, 2) assess the relationship between the measures of impairment (cognition, balance and symptoms) and disability, 3) compare the effect of sport-related concussion and musculoskeletal injury on HRQOL in adolescent athletes within the first 10 days post-injury and 4) collect “sport concussion impact” narratives from adolescents with sport-related concussion, identify the meanings they

attribute to that concussion, and qualitatively determine the effects of concussion on their HRQOL.

9. **National sports safety in secondary schools benchmark™ (N4SB)**

Funding Agency: National Athletic Trainers' Association (Commissioned study)

Principal Investigator: Tamara C. Valovich McLeod, PhD, ATC

Role: Co-Investigator

Funding period: May 2010 – May 2011

Total funding: \$6,000

The N4SB is a pilot benchmark study that will assess on a state-by-state basis the national market penetration of athletic trainers in public and secondary schools in order to gauge access to athletic training services. The study aims to determine how many schools have either full-time, part-time or outreach athletic trainers and what that access entails.

10. **The clinical outcomes research education for athletic trainers (CORE-AT) program: training clinical researchers for evidenced-based practice.**

Funding Agency: National Athletic Trainers' Association Research and Education Foundation.

Co-Principal Investigators: Alison R. Snyder, PhD, ATC; Tamara C. Valovich McLeod, PhD, ATC

Role: Post-Doctoral Research Fellow

Funding period: August 2009 – July 2011

Total funding: \$107,013

The goal of the Clinical Outcomes Research Education for Athletic Trainers (CORE-AT) Project is to educate and train post-professional athletic training students to utilize technology for the collection of healthcare outcomes data in order to practice in an evidence-based manner.

11. **The effects of headache on health-related quality of life in following sport-related concussion.**

Funding Agency: National Headache Foundation

Principal Investigator: Tamara C. Valovich McLeod, PhD, ATC

Role: Post-Doctoral Research Fellow

Funding period: August 2009 – July 2010

Total funding: \$23,404

The goal of this project was to assess the immediate and prolonged effects of concussion on symptom report, neurocognitive function, postural stability, and HRQOL and to collect "sport injury impact" narratives from adolescents with sport-related concussion, identify the meanings they attribute to that concussion, and qualitatively determine the effects of concussion on their HRQOL.

12. **The long-term effects of anterior cruciate ligament reconstructive surgery on gait coordination: A dynamics perspective.**

Funding Agency: National Athletic Trainers' Association Research and Education Foundation

Role: Principal Investigator (Doctoral Research Grant Award)

Funding period: July 2006 – May 2009



Total funding: \$2,000

The purpose of this project was to investigate whether coordination patterns of the lower extremities during walking and running are restored more than one year after anterior cruciate ligament reconstructive surgery, using velocity and healthy subjects as a frame of reference.

**13. Body-area instrumentation for avoidance of workplace injuries.**

Funding Agency: The Hartford Financial Services Group

Principal Investigator: Robert C. Wagenaar, PhD

Role: Research Assistant

Funding period: December 2006 – August 2008

Total funding: \$60,000

The purpose of this project was to develop an on-body instrument to assist in preventing low back injuries that often occur in the workplace. Using accelerometer and gyroscope technology, the on-body instrument provided workers haptic feedback related to body posture during lift tasks.

**GRANTS SUBMITTED (In review)**

**1. Recovery Optimization and Telemedicine for Cadets to Accelerate Tactical Convalescence (ROTC-AC)**

Submitted: December 2019

Funding Agency: U.S. Department of Defense

Principal Investigator: Kara Radzak, PhD, ATC

Role: Co-investigator

Dates proposed: January 2021 – December 2023

Total funding requested: \$2.5 million

Subaward requested for A.T. Still University: \$203,393

The purpose of this multi-site study is to determine the impact of athletic trainers on the care for cadets in the Reserve Officers' Training Corps (ROTC). Specifically, we aim to evaluate the impact of having direct access to an athletic trainer and its impact on clinical measures, such as time lost due to injury and recovery of patient-reported outcomes, as compared to sites without direct access to an athletic trainer.

**GRANTS SUBMITTED (Not Funded)**

**1. The comparative effectiveness of ankle joint mobilization versus a self-guided stretching protocol in improving patient-oriented outcomes in patients with chronic ankle instability: a randomized controlled trial at the point-of-care.**

Submitted: February 2014 (Resubmission)

Funding Agency: National Athletic Trainers' Association Research and Education Foundation

Role: Principal Investigator

Dates proposed: July 2014 - June 2015

Funds requested: \$119,023

The purpose of this multi-site study is to determine the feasibility of the point-of-care clinical trial design in athletic training research and to explore the comparative effectiveness

of ankle joint mobilization versus a self-guided stretching protocol in improving patient-oriented outcomes in patients with chronic ankle instability

2. **Archiving adolescent sport-related concussion data into the Federal Interagency Traumatic Brain Injury (FITBIR) Informatics System.**

Submitted: October 2013

Funding Agency: National Institutes of Health, Adding Legacy Clinical Data to the Federal Interagency Traumatic Brain Injury (FITBIR) Informatics System (R03).

Principal Investigator: Tamara Valovich McLeod, PhD, ATC, FNATA

Role: Co-Investigator

Dates proposed: February 2014-January 2015

Funds requested: \$76,916

The purpose of this project is to archive concussion data into the Federal Interagency Traumatic Brain Injury (FITBIR) Informatics System. Concussion data from two prospective investigations of symptoms, cognition, balance, and health-related quality following adolescent sport-related concussion, and from the electronic medical record of the Athletic Training Practice-Based Research Network will be archived into the FITBIR Informatics System.

3. **The comparative effectiveness of ankle joint mobilization versus a self-guided stretching protocol in improving patient-oriented outcomes in patients with chronic ankle instability: a randomized controlled trial at the point-of-care.**

Submitted: February 2013

Funding Agency: National Athletic Trainers' Association Research and Education Foundation

Role: Principal Investigator

Dates proposed: July 2013 - June 2014

Funds requested: \$130,989

The purpose of this multi-site, prospective, point-of-care clinical trial is to determine the comparative effectiveness of ankle joint mobilization versus a self-guided stretching protocol in improving patient-oriented outcomes and dorsiflexion range of motion in patients with chronic ankle instability and to determine the viability of a point-of-care clinical trial design in an athletic training setting.

4. **Developing mechanisms for engaging patients in healthcare delivery and increasing efficiency of communication within the sports medicine healthcare team: a feasibility study.**

Submitted: April 2012

Funding Agency: American Orthopaedic Society for Sports Medicine (AOSSM)

Role: Co-Principal Investigator with Kevin Marberry, M.D.

Dates proposed: July 2012 - June 2013

Funds requested: \$25,000

The purpose of the proposed study is to create mechanisms for physicians and members of the sports medicine healthcare team to communicate with patients and collect patient-rated outcomes (PRO) data through secure electronic systems including secure text messaging and smartphone mobile applications.

## 5. **Gaps in the adolescent patient perspective following sport-related concussion**

Submitted: December 2011

Funding Agency: Patient Oriented Outcomes Research Institute

Principal Investigators: Tamara Valovich McLeod, PhD, ATC, FNATA; Alison Snyder Valier, PhD, ATC

Role: Co-Investigator

Funds requested: \$406,943

The purpose of this study is to develop an innovative methodology for identifying and filling gaps in the adolescent patient-perspective following sport-related injuries. This study will achieve the following three goals: 1) To utilize an innovative mixed methods approach to identify gaps in measurement of the adolescent patient perspective following sport-related concussion, 2) To develop and evaluate a supplemental adolescent athlete patient-oriented outcomes instrument for use in conjunction with traditional patient-oriented outcomes instruments to comprehensively assess the adolescent patient perspective following sport-related concussion, and 3) To evaluate the responsiveness of patient-oriented outcomes instruments for assessing the adolescent patient's perspective following sport-related concussion and recommend the most appropriate instruments for assessing the adolescent patient perspective following sport-related concussion to guide future patient-oriented outcomes research and clinical decision making.

## **REFEREED JOURNAL PUBLICATIONS – In Press**

*\*\*Underlined name denotes student author.\*\**

1. **Lam KC**, Marshall AN, Snyder Valier AR. Patient-reported outcome measures in sports medicine: a concise resource for clinicians and researchers. *Journal of Athletic Training*. [In press].
2. **Lam KC**, Welch Bacon CE, Sauers EL, Bay RC. Point-of-care clinical trials in sports medicine: identifying effective treatment interventions through comparative effectiveness research. *Journal of Athletic Training*. [In press].
3. Marshall AN, Kikugawa TM, **Lam KC**. Patient, treatment and cost characteristics associated with sport-related ankle sprains: a report from the Athletic Training Practice-Based Research Network. *Athletic Training and Sports Health Care*. [In press].

## **REFEREED JOURNAL PUBLICATIONS**

1. Marshall AN, **Lam KC**. Clinically meaningful research at the point-of-care: utilizing electronic medical records to improve patient care. *Journal of Athletic Training*. 2020;55(2):205-212.
2. Marshall AN, Snyder Valier AR, Yanda A, **Lam KC**. The impact of a previous ankle injury on current health-related quality of life. *Journal of Sport Rehabilitation*. 2020;29(1):43-50.
3. Suryavanshi JR, Goto R, Jivanelli B, Aberdeen J, Duer T, **Lam KC**, Franklin CC, MacDonald J, Shea KG, Fabricant PD. Age-appropriate pediatric sports patient-reported outcome measures

- and their psychometric properties: a systematic review. *American Journal of Sports Medicine*. 2019;47(13), 3270-3276.
4. **Lam KC**, Harrington KM, Cameron KL, Snyder Valier AR. Use of patient-reported outcome measures in athletic training: common measures, selection considerations and practical barriers. *Journal of Athletic Training*. 2019;54(4):449-458.
  5. Valovich McLeod TC, Kostishak N, Anderson BE, Welch Bacon CE, **Lam KC**. Patient, injury, assessment, and treatment characteristics and return-to-play timelines following sport-related concussion: an investigation from the Athletic Training Practice-Based Research Network. *Clinical Journal of Sports Medicine*. 2019;29(4):298-305.
  6. **Lam KC**, Markbreiter JG. Knee injury history impacts health-related quality of life in adolescent athletes. *Journal of Sport Rehabilitation*. 2019;28(2):115-119.
  7. Valovich McLeod TC, Bay RC, **Lam KC**, Valier AR. The association between length of recovery following sport-related concussion and generic and specific health-related quality of life in adolescent athletes: a prospective, longitudinal study. *Journal of Head Trauma Rehabilitation*. 2019;34(1):E1-E9.
  8. Snyder Valier AR, Welch Bacon CE, **Lam KC**. Disablement model and health-related quality of life classification for Patient-Reported Outcomes Measurement Information System (PROMIS) Instruments. *Journal of Athletic Training*. 2018; 53(12):1206-1213.
  9. Welch Bacon CE, Kasamatsu TM, **Lam KC**, Nottingham SL. Future strategies to enhance patient care documentation among athletic trainers: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*: 2018; 53(6): 619-626.  
**\*\*Winner of the 2018 Journal of Athletic Training Clint Thompson Award for Clinical Practice Advancement.\*\***
  10. Harshbarger ND, Anderson BE, **Lam KC**. Is there a relationship between the Functional Movement Screen, Star Excursion Balance Test, and Balance Error Scoring System? *Clinical Journal of Sports Medicine*. 2018; 28(4):389-394.
  11. **Lam KC**, Nelson CP, Huxel Bliven KC, Snyder Valier AR. Evaluation and assessment patterns at the point-of-care for sport-related knee sprains: a report from the Athletic Training Practice-Based Research Network. *Athletic Training and Sport Health Care*. 2018; 10(2):69-75.
  12. Welch Bacon CE, Kasamatsu TM, **Lam KC**, Nottingham SL. Future strategies for patient care documentation among athletic trainers: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2017; 52(7):667-675.
  13. Snyder Valier AR, Welch CE, Bay RC, **Lam KC**, Valovich McLeod TC. Reference values for the Pediatric Quality of Life Instrument and the Multi-Dimensional Fatigue Scale in adolescent athletes. *American Journal of Sports Medicine*. 2017; 45(12):2723-2729.

14. **Williams RM, Rice T, Lam KC**, Valovich McLeod TC. A cross sectional study of maturation and postural control in male athletes using the Stability Evaluation Test (SET). *International Journal of Athletic Training and Therapy*. 2017; 22(5):39-43.
15. Welch CE, **Eppelheimer BL**, Kasamatsu TM, **Lam KC**, Nottingham SL. Athletic Trainers' perceptions of and barriers toward patient care documentation: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2017; 52(7): 667-675.
16. Nottingham SL, **Lam KC**, Kasamatsu TM, **Eppelheimer BL**, Welch CE. Reasons for and mechanics of documenting patient care among athletic trainers: a report for the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2017; 52(7): 656-666.
17. **Lam KC**, **St. Thomas S**, Snyder Valier AR, Valovich McLeod TC, Bay RC. Previous knee injury and health-related quality of life in collegiate athletes. *Journal of Athletic Training*. 2017;52(6):534-540.
18. **Williams RM, Corvo MA, Lam KC**, Williams TA, Gilmer LK, Valovich McLeod TC. Test-retest reliability and practice effects of the Stability Evaluation Test. *Journal of Sport Rehabilitation*. 2017: e-pub.
19. **Lam KC**, Snyder Valier AR, Anderson BE, Valovich McLeod TC. Athletic training services provided during daily patient encounters: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2016;51(6):435-441.
20. **Dunn K, Lam KC**, Valovich McLeod TC. Early operative vs. delayed or non-operative treatment of anterior cruciate ligament injuries in pediatric patients [Evidence-based practice]. *Journal of Athletic Training*. 2016;51(5):425-427.
21. **Weber ML, Lam KC**, Valovich McLeod TC. Effectiveness of injury programs for youth and adolescent athletes [Evidence-based practice]. *International Journal of Athletic Training and Therapy*. 2016;21(2):25-31.
22. Valier Snyder AR, **Lam KC**. Beyond the basics of clinical outcomes assessment: selecting appropriate patient-rated outcome measures for patient care. *Athletic Training Education Journal*. 2015;10(1):91-100.
23. **Lam KC**, Snyder Valier AR, Valovich McLeod TC. Injury and treatment characteristics of patients under the care of athletic trainers: a report from the Athletic Training Practice-Based Research Network. *Sports Health*. 2015;7(1):67-74.
24. **Lam KC**, Valovich McLeod TC. The impact of sex and knee injury history on jump-landing patterns in collegiate athletes: a clinical evaluation. *Clinical Journal of Sport Medicine*. 2014; 24(5):373-279.

25. Snyder AR, Swank EM, Lam KC, Hansen ML, McLeod TC. Comparison of patient and proxy reporting of health-related quality of life in adolescent athletes who suffer a sports-related injury and require orthopaedic consultation. *Journal of Sport Rehabilitation*. 2013;22:248-253.
26. Valovich McLeod TC, Huxel Bliven KC, Lam KC, Bay RC, Snyder AR, Parsons JT. The “National Sports Safety in Secondary Schools Benchmark™ (N4SB)” Study: defining athletic training practice characteristics. *Journal of Athletic Training*. 2013;48(4):483-492.
27. Lam KC, Snyder AR, Bay RC, Valovich McLeod TC. A unique patient population? Health-related quality of life in adolescent athletes versus general, healthy adolescent individuals. *Journal of Athletic Training*. 2013;48(2):233-241.
28. Valovich McLeod TC, Bay RC, Lam KC, Chhabra A. Representative baseline values on the sport concussion assessment tool 2 (SCAT2) in adolescent athletes varies by gender, grade, and concussion history. *American Journal of Sports Medicine*. 2012;40(4):927-933.
29. Valovich McLeod TC, Lam KC, Bay RC, Sauers EL, Snyder AR. Practice-based research networks (PBRNs) Part II: a descriptive analysis of the Athletic Training Practice-Based Research Network in the secondary school setting. *Journal of Athletic Training*. 2012;47(5):557-566.  
**\*\*Winner of the 2012 Journal of Athletic Training Clint Thompson Award for Clinical Practice Advancement.\*\***
30. Welch CE, Lam KC, Laursen RM. Paget-Von Schrotter Syndrome in a non-dominant arm: a case report. *Athletic Training and Sports Health Care*. 2012;3:280-282.
31. Snyder AR, Lam KC. Take action and seize opportunity. *International Journal of Athletic Therapy and Training*. 2011;16(1):5-7.
32. Evans TA, Lam KC. Clinical outcomes assessment in sports rehabilitation. *Journal of Sport Rehabilitation*. 2011; 20:8-16.
33. Snyder AR, Perotti A, Lam KC, Bay RC. The influence of high voltage electrical stimulation on edema formation following acute injury: a systematic review. *Journal of Sport Rehabilitation*. 2010; 19:436-451.

#### **REFEREED JOURNAL PUBLICATIONS – In Review**

1. Radzak KN, Sefton JM, Timmons MK, Loop R, Stickley CD, Lam KC. Musculoskeletal Injury in Reserve Officer Training Corps: a report from the Athletic Training Practice-Based Research Network. *American Journal of Sports Medicine*. [In review].
2. Marshall AN, Root HJ, Valovich McLeod TC, Lam KC. Patient-reported outcome measures for pediatric patients with sport-related injuries: a systematic review. *Journal of Orthopaedic and Sports Therapy*. [In review].

3. Janik GK, **Lam KC**. Describing sport-related genitourinary injuries in males reporting to emergency departments: a National Electronic Injury Surveillance System report. *International Journal of Athletic Training and Therapy*. [In review].
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## **PROFESSIONAL PRESENTATIONS**

### ***INTERNATIONAL MEETINGS***

1. *Assessment of patient-reported outcomes at return to sport following lateral ankle sprain injuries: a report from the Athletic Training Practice-Based Research Network.* Presented at the International Ankle Symposium, Free Papers Program (Podium), Amsterdam, Netherlands; October 2019.
2. *Changes in health-related quality of life in adolescent athletes following a lower extremity injury: a report from the Athletic Training Practice-Based Research Network.* Presented at the 23<sup>rd</sup> Annual Congress of the European College of Sport Science, Free Communications Program (Podium), Dublin, Ireland; July 2018.

### ***NATIONAL MEETINGS***

1. *Got data? Using patient care documentation to drive clinical decisions and improve care.* Will present at the National Athletic Trainers' Association Annual Symposium. Plenary Session (Podium) / Evidence-Based Practice Approved, Atlanta, GA; June 2020. [Invited].
2. *Health information technology: assessment and measurement across all levels of athletic training education.* Presented at the Commission on Accreditation of Athletic Training Education Accreditation Conference, Plenary Session (Podium), Atlanta, GA; October 2019. [Invited].
3. *Demonstrating clinician's impact on the patient experience: capturing quality and patient satisfaction* Presented at the National Athletic Trainers' Association Annual Symposium with Sam Johnson, PhD, ATC, and Marc Norcross, PhD, ATC, Committee on Practice Advancement Session (Podium) / Evidence-Based Practice Approved, Las Vegas, NV; June 2019. [Invited].
4. *Incorporating patient-reported outcome measures into pediatric care: is your instrument appropriate for youth and adolescent athletes?* Presented at the National Athletic Trainers' Association Annual Symposium with Ashley Marshall, PhD, ATC, Best Practices Forum (Podium), Las Vegas, NV; June 2019.
5. *Does injury history impact the recovery of self-report of function during the first two weeks after an ankle sprain injury? A report from the Athletic Training Practice-Based Research Network.* Presented at the National Athletic Trainers' Association Annual Symposium, Free Communications Program (Podium), Las Vegas, NV; June 2019.
6. *The use of patient-reported outcome measures in clinical practice* Presented for the Journal of Athletic Training, JAT Chat (Webinar Series - National & International), June 2019. [Invited].

7. *Teaching data-driven decision makers: incorporating healthcare informatics in athletic training education.*  
Presented at the Commission on Accreditation of Athletic Training Education Accreditation Conference, Breakout Session (Podium), Tampa, FL; October 2018. [Invited].
8. *Cost and treatment characteristics for sport-related knee injuries managed by athletic trainers: a report from the Athletic Training Practice-Based Research Network.*  
Presented at the National Athletic Trainers' Association Annual Symposium, Free Communications Program (Podium), New Orleans, LA; June 2018.
9. *The successful incorporation of patient-reported outcome measures into routine patient care: a practical guide*  
Presented at the National Athletic Trainers' Association Annual Symposium with Kenneth L. Cameron, PhD, MPH, ATC, FNATA, and Timothy A. McGuine, PhD, ATC, Feature Presentation (Podium), Houston, TX; June 2017.
10. *Strategies to engage clinicians in research*  
Presented at the National Athletic Trainers' Association Annual Symposium, Peer-to-Peer Session (Podium), Houston, TX; June 2017. [Invited].
11. *Engaging students in scholarly activities at the point-of-care.*  
Presented at the National Athletic Trainers' Association Annual Symposium, Educational Advancement Committee Session (Podium), Houston, TX; June 2017. [Invited].
12. *Practice characterization: how the simple act of counting can improve patient care and enhance clinical practice*  
Presented at the National Athletic Trainers' Association Annual Symposium, Special Topics Session (Podium), Houston, TX; June 2017.
13. *Changes in health-related quality of life in adolescent athletes following a lower extremity injury: a report from the Athletic Training Practice-Based Research Network.*  
Presented at the National Athletic Trainers' Association Annual Symposium, Free Communications Program (Podium), Houston, TX; June 2017.
14. *Degree transition considerations and best practices: point-of-care and database research models.*  
Presented for the National Athletic Trainers' Association, Webinar Series (National Webinar), October 2016. [Invited].
15. *The Athletic Training Practice-Based Research Network: A national model for point-of-care sports injury and outcomes documentation to improve athlete health and wellness.*  
Presented at the 22<sup>nd</sup> Americas Conference on Information Systems (International Meeting), Sports Analytics Breakout Session (Podium), San Diego, CA; August 2016. [Invited].
16. *Integrating patient-rated outcome measures into routine patient care: overcoming common challenges and barriers.*

Presented at the National Athletic Trainers' Association Annual Symposium, Special Topics Session (Podium), Baltimore, MD; June 2016.

17. *Changes in self-report of impairments, function and disability following sport-related knee injuries: a report from the Athletic Training Practice-Based Research Network.*

Presented at the National Athletic Trainers' Association Annual Symposium, Free Communications Program (Podium), Baltimore, MD; June 2016.

18. *Assessment patterns of athletic trainers who diagnose knee sprains: a report from the Athletic Training Practice-Based Research Network.*

Presented at the National Athletic Trainers' Association Annual Symposium, Free Communications Program (Rapid Fire), Baltimore, MD; June 2016.

19. *Improving patient care at the point-of-care: the use of health information technologies and informatics during routine clinical practice.*

Presented at the Athletic Training Educators' Conference, Breakout Session (Podium), Dallas, TX; February 2015.

20. *The effectiveness of online video modules in improving knowledge and hands-on clinical skills: a pilot study.*

Presented at the Athletic Training Educators' Conference, Scientific Abstract (Poster), Dallas, TX; February 2015.

21. *Capturing the patient's perspective: strategies for incorporating patient-rated outcomes instruments into clinical research.*

Presented at the National Athletic Trainers' Association Annual Symposium, Researchers' Forum (Podium), Indianapolis, IN; June 2014.

22. *Treatment characteristics and estimated direct costs of care provided by athletic trainers for lower extremity injuries: a report from the Athletic Training Practice-Based Research Network.*

Presented at the National Athletic Trainers' Association Annual Symposium, Free Communications Program (Thematic Poster), Indianapolis, IN; June 2014.

23. *Patient-rated outcome measures in athletic training: which are most appropriate for our patient population?*

Presented for the National Athletic Trainers' Association, Webinar Series (National Webinar), September 2013. [Invited].

24. *The impact of a previous ankle injury on region-specific and generic health-related quality of life in collegiate athletes.*

Presented as a part of a Feature Presentation entitled, *Defining and measuring function following ankle injury: can we predict outcomes*, Feature Presentation Bookend (Podium), Las Vegas, NV, June 2013. [Invited].

25. *Does severity of a previous ankle injury influence region-specific and generic health-related quality of life in collegiate athletes?*

Presented at the National Athletic Trainers' Association Annual Symposium, Free Communications Program (Podium), Las Vegas, NV, June 2013.

26. *Demonstrating your role as a healthcare professional: tips and strategies to characterize your clinical practice.*

Presented at the National Athletic Trainers' Association Annual Symposium, Special Topics Session (Podium), Las Vegas, NV; June 2013.

27. *Beyond the basics of clinical outcomes assessment: selecting appropriate patient-rated outcome measures for patient care.*

Presented at the Athletic Training Educators' Conference with Alison Snyder Valier, PhD, ATC, Breakout Session (Podium), Dallas, TX; January 2013.

28. *Clinicians are paramount: improving patient care and clinical outcomes at the point-of-care through a practice-based approach.*

Presented at the National Athletic Trainers' Association Annual Symposium, Feature Presentation Session (Podium), St. Louis, MO; June 2012.

29. *The impact of knee injury history on health-related quality of life in college athletes.*

Presented at the National Athletic Trainers' Association Annual Symposium, Free Communications Program (Thematic Poster), St. Louis, MO; June 2012.

30. *Your patients matter: using patient-oriented outcome measures to guide clinical decisions.*

Presented at the National Athletic Trainers' Association Annual Symposium, Special Topics Session (Podium), New Orleans, LA; June 2011.

31. *Identifying differences in health-related quality of life between adolescent athletes and a general, healthy adolescent population.*

Presented at the National Athletic Trainers' Association Annual Symposium, Free Communication Program (Podium), New Orleans, LA; June 2011.

32. *Don't forget about your patients: the importance of assessing patient-rated clinical outcomes within an evidence-based practice culture.*

Presented at the Athletic Training Educators' Conference with Alison Snyder Valier, PhD, ATC, Breakout Session (Podium), Washington, DC; February 2011.

33. *Identifying kinematic and coordinative changes in the lower extremities during walking and running more than one year after anterior cruciate ligament reconstructive surgery.*

Presented at the National Athletic Trainers' Association Annual Symposium, Free Communication Program (Podium), Philadelphia, PA; June 2010.

## **REGIONAL MEETINGS**

1. *Disablement models: a framework for whole person, patient-centered healthcare*

Presented at the Rocky Mountain Athletic Trainers' Association Annual Symposium, Special Topic Session (Podium), Salt Lake City, UT; April 2018. [Invited].

2. *The simple act of counting: how characterizing routine athletic training clinical practice can improve the quality of patient care.*  
Presented at the Rocky Mountain Athletic Trainers' Association Annual Symposium, General Session (Podium), Albuquerque, NM; April 2016. [Invited].
3. *Patients should drive patient care decisions: utilizing patient-oriented outcome measures at the point-of-care.*  
Presented at the Rocky Mountain Athletic Trainers' Association Annual Symposium, General Session (Podium) / Evidence-Based Practice Approved, Mesa, AZ; April 2015. [Invited].
4. *Guiding the clinical decision-making process: the use of patient-rated outcome measures during patient care.*  
Presented at the Southwest Athletic Trainers' Association Annual Symposium, General Session (Podium), Dallas, TX; July 2012. [Invited].

### **STATE MEETINGS**

1. *Practice characterization: what is it, why is it important, and how you can accomplish it?*  
Presented at the Arizona Athletic Trainers' Association Winter Meeting, General Session (Podium), Glendale, AZ; January 2016. [Invited].
2. *The incorporation of patient-rated outcome measures into patient care: practical tips and strategies.*  
Presented at the Arizona Athletic Trainers' Association Summer Meeting, General Session (Podium), Flagstaff, AZ; July 2015. [Invited].
3. *The prevention of anterior cruciate ligament injuries: clinical approaches and considerations.*  
Presented at the Arizona Athletic Trainers' Association Summer Meeting, General Session (Podium), Flagstaff, AZ; July 2012. [Invited].
4. *Demonstrating your worth: essential components for an economic analysis of athletic training services.*  
Presented at the Arizona Athletic Trainers' Association Winter Meeting, General Session (Podium), Mesa, AZ; February 2012. [Invited].

### **COMMUNITY**

1. *Strategies for lower extremity injury prevention in youth athletes.*  
Presented for the City of Mesa Parks, Recreation, and Commercial Facilities Department, Positive Play Project (Podium), Mesa, AZ; September 2014.
2. *Injury prevention in youth sports.*  
Presented for the City of Mesa Parks, Recreation, and Commercial Facilities Department, Positive Play Project (Podium), Mesa, AZ; January 2014.

### ***INSTITUTIONAL (External)***

1. *The need for practice-based research in athletic training.*  
Presented to the Athletic Training Program at University of Nebraska at Omaha, General Session (Webinar), Omaha, NE; December 2019. [Invited].
2. *A jumpstart for quality improvement*  
Presented to Student Health Services – Athletic Training at Boston University, General Session (Podium), Boston, MA; January 2018. [Invited].
3. *Do we have the best evidence to drive patient care decisions?*  
Presented to the Center of Health Sciences at Oklahoma State University, General Session (Podium), Tulsa, OK; November 2017. [Invited].
4. *Improving care at the point-of-care: the central role of clinicians in an evidence-based culture.*  
Presented to the Athletic Training Program at Oklahoma State University, General Session (Podium), Tulsa, OK; November 2017. [Invited].
5. *Big data in athletic healthcare: using data to improve care*  
Presented at the Athletic Training Program at University of Wisconsin – Madison, General Session (Webinar), Madison, WI; April 2016. [Invited].
6. *The effects of walking velocity on maximum knee flexion angle during stance phase in bipedal locomotion.*  
Presented at the Science and Engineering Day at Boston University, Scientific Session (Poster), Boston, MA; March 2009.

### ***INSTITUTIONAL (Internal)***

1. *The impact of sport-related lower extremity injuries on patient-oriented outcomes.*  
Presented at the Annual Research Symposium at A.T. Still University, General Session (Podium), Mesa, AZ; February 2015.
2. *Preparing for statistical analysis: tips for recording, formatting, and organizing data.*  
Presented for the Interdisciplinary Research Committee Seminar Series at A.T. Still University, Faculty Research Seminar (Podium), Mesa, AZ; February 2012.
3. *Identifying differences in health-related quality of life between adolescent athletes and the general adolescent population.*  
Presented at the Interdisciplinary Biomedical Research Symposium at A.T. Still University, Scientific Session (Poster), Kirksville, MO; October 2010.

## ***GUEST LECTURES***

1. *The Athletic Training Practice-Based Research Network: a primer*  
Guest speaker for the Doctor of Athletic Training Winter Institute, Athletic Training Program, A.T. Still University, Mesa, AZ; 2017-2019.
2. *Big data in healthcare: its promise and potential pitfalls*  
Guest speaker for the Doctor of Athletic Training Winter Institute, Athletic Training Program, A.T. Still University, Mesa, AZ; 2016-2019.
3. *Writing a methods section: experimental designs and systematic reviews.*  
Guest lecturer for the AT 6470: Research Colloquia – Year 2, Athletic Training Program, A.T. Still University, Mesa, AZ; 2013-2019.
4. *Point-of-care clinical trials: enhancing comparative effectiveness research.*  
Guest lecturer for the AT 6340: Comparative Effectiveness Research, Athletic Training Program, A.T. Still University, Mesa, AZ; April 2014.
5. *Bayesian statistics in comparative effectiveness research.*  
Guest lecturer for the AT 6340: Comparative Effectiveness Research, Athletic Training Program, A.T. Still University, Mesa, AZ; April 2014.
6. *Guiding the clinical decision-making process: the use of patient-rated outcome measures during patient care.*  
Guest lecturer for the AT 5130: Healthcare Outcomes, Athletic Training Program, A.T. Still University, Mesa, AZ; October 2015, October 2013 and October 2012.
7. *Strategies for organizing your data for statistical analysis.*  
Guest lecturer for the AT 6470: Research Colloquia – Year 2, Athletic Training Program, A.T. Still University, Mesa, AZ; September 2013 and September 2012.
8. *Lower extremity injury prevention: applying the prevention framework into clinical practice.*  
Guest lecturer for the AT 5300: Physical Examination and Diagnosis of the Lower Extremity, Athletic Training Program, A.T. Still University, Mesa, AZ; May 2013.
9. *The prevention of anterior cruciate ligament injuries: clinical approaches and considerations.*  
Guest lecturer for the AT 5300: Physical Examination and Diagnosis of the Lower Extremity, Athletic Training Program, A.T. Still University, Mesa, AZ; March 2013 and March 2012.
10. *Patient-rated outcome measures: evaluating measures for patient care*  
Guest lecturer for the AT 5130: Healthcare Outcomes, Athletic Training Program, A.T. Still University, Mesa, AZ; September 2012 and September 2011.

## **BOOK CHAPTER**

1. **Lam KC.** Health Information Technology. In: Sauers EL. Core Educational Competencies in Athletic Training: The Sub-Competencies and Milestones Framework for Defining and Assessing the Continuum of Learning from Novice to Expert Clinician. Thorofare, NJ: SLACK. [In preparation].
2. **Lam KC.** Electronic Documentation. In: Konin JG et al. Documentation for Athletic Training. Thorofare, NJ: SLACK; 2017.
3. **Lam KC.** Health Care Informatics. In: Van Lunen BL et al. Evidence-Guided Practice: A Framework for Clinical Decision Making in Athletic Training. Thorofare, NJ: SLACK; 2015.

## **INVITED NON-REFERRED PUBLICATIONS AND ABSTRACTS**

1. **Lam KC.** Caring for ankle injuries – a parent’s guide. Pamphlet developed for the Mesa Community Positive Play Project. August 2014.
2. **Lam KC.** Injury prevention for adolescent athletes – a coach’s guide. Pamphlet developed for the Mesa Community Positive Play Project. September 2013.
3. **Lam KC.** Injury prevention for adolescent athletes – a parent’s guide. Pamphlet developed for the Mesa Community Positive Play Project. September 2013.
4. **Lam KC.** The AO handbook of musculoskeletal outcomes measures and instruments, 2<sup>nd</sup> expanded edition (book review). *Athletic Training and Sports Healthcare*. 2011; 3(3):155-156.
5. **Lam KC.** Evidence-based practice: the clinical bottom line - Evaluating acute anterior cruciate ligament injuries. *NATA News*. 2011; June:30.
6. **Lam KC.** Enhancing clinical education using an EMR system. *Network News: the Secondary School Athletic Training Practice-Based Research Network*. 2011;1(2):1.
7. **Lam KC.** Clinical Outcomes Research and Education for Athletic Trainers (CORE-AT): an overview of the electronic medical record system. *Network News: the Secondary School Athletic Training Practice-Based Research Network*. 2010;1(1):1.

## **POST-DOCTORAL MENTORSHIP**

### ***PRIMARY MENTOR***

1. Alicia Pike Lacy, PhD, ATC. Arizona School of Health Sciences, A.T. Still University; 2019-present.
2. Ashley Marshall, PhD, ATC. Arizona School of Health Sciences, A.T. Still University; 2017-2019.



## ***MENTORSHIP TEAM MEMBER***

1. Kelsey Picha, PhD, ATC. Arizona School of Health Sciences, A.T. Still University; 2018-2019.
2. Hayley Root, PhD, ATC. Arizona School of Health Sciences, A.T. Still University; 2017-2019.
3. Cailee Welch Bacon, PhD, ATC. Arizona School of Health Sciences, A.T. Still University; 2012-2014.

## **THESIS COMMITTEES**

### ***COMMITTEE CHAIR***

1. Quintana L. Patient and treatment characteristics of hip injuries: a report from the Athletic Training Practice-Based Research Network. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2019-2021.
2. Arroyo R. Ankle injuries in adolescent athletes: a report from the Athletic Training Practice-Based Research Network. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2019-2021.
3. Honrado J. Epidemiology of dance injuries reporting to U.S. emergency departments from 2012-2017. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2019-2020.
4. Yamamoto A. The impact of workload on subsequent injury in professional basketball players. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2019-2020.
5. Southard J. Risk factors for throwing injuries in professional baseball pitchers: an electronic medical records review of patient records. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2019-2020.
6. Thornton E. Epidemiology of sport-related knee injuries reporting to U.S. emergency departments from 2008-2017. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2019-2020.
7. Jones K. Clinical evaluation of sport-related meniscal pathologies: a report from the Athletic Training Practice-Based Research Network. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2018-2020.
8. Thomas C. Do clinical evaluation findings differ based on knee injury diagnosis? A report from the Athletic Training Practice-Based Research Network. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2018-2019.

9. Hernandez A. Preparation for command physical training in the U.S. Navy: a quality improvement project. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2018-2019.
10. Buerger E. The impact of hormonal changes on anterior cruciate ligament injury risk in an adolescent population. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2017-2018.
11. Anderson C. Risk factors associated with femoral stress fractures in the military population. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2017-2018.
12. Bailey S. Parsonage Turner Syndrome in a military officer: A case study. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2017-2018.
13. Janik G. Describing sport-related genitourinary injuries in males reporting to emergency departments: a National Electronic Injury Surveillance System Report. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2017-2018.
14. Kikugawa T. Treatment and cost characteristics of ankle sprain injuries: a report from the Athletic Training Practice-Based Research Network. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2017-2018.
15. Mohr K. Changes in health-related quality of life in adolescents who specialize in sports. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2017-2018.
16. Slaughter N. The effectiveness of online videos in improving clinical skills involving musculoskeletal injury assessment. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2016-2017.
17. Holland B. Changes in health-related quality of life following a lateral ankle sprain injury. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2016-2017.
18. Williams A. The relationship between leg length discrepancy and low back pain: a systematic review. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2014-2016.
19. Harrington K. Common patient-rated outcome measures in athletic training. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2014-2016.
20. Nelson C. Diagnostic properties for anterior cruciate ligament injuries: the Lelli Test. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2014-2016.

21. Fayson S. Direct costs analysis for lower extremity injuries within the Athletic Training Practice-Based Research Network. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2013-2015.
22. Markbreiter J. Do Less Error Scoring System scores predict future knee injuries in high school athletes? Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2013-2015.
23. Harshbarger N. Can corrective exercises improve functional movement patterns in collegiate athletes? Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2012-2014.
24. Winters K. Functional movement screening: do scores predict lower extremity injuries in collegiate athletes? Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2012-2014.
25. King C. Landing Error Scoring System: normative values and sex differences in high school and collegiate athletes. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2011-2013.
26. Kulow S. Do Less Error Scoring System scores predict future knee injuries in collegiate athletes? Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2011-2013.
27. Williams T. Do Balance Error Scoring System scores predict future ankle injuries in college athletes? Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2011-2013.
28. Yanda A. Changes in health-related quality of life (HRQOL) in adolescent athletes following ankle injuries. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2011-2013.

### ***COMMITTEE MEMBER***

1. Platt B. Testicular fracture in a Division I baseball player: a case study. Doctor of Athletic Training Applied Research Project, Arizona School of Health Sciences, A.T. Still University; 2018-2019.
2. Eppelheimer B. The utilizing of healthcare informatics in athletic training: a descriptive analysis. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2011-2013.
3. Rice T. A cross-sectional investigation of age effects on the Stability Evaluation Test. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2011-2013.
4. St. Thomas S. Does severity of previous lower extremity injury influence health-related quality of life in collegiate athletes? Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2010-2012.

5. Heichelbach M. The relationships between upper extremity pain, injury history, and health-related quality of life of collegiate baseball players during late-season. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2010-2012.

## **COMMITTEES AND SERVICE**

### ***PROFESSIONAL***

#### **Member**

Research Committee, National Athletic Trainers' Association Research and Education Foundation, 2019-*present*

#### **External Grant Reviewer**

Research Committee, National Athletic Trainers' Association Research and Education Foundation, 2018

#### **Member**

Scientific Advisory Committee, PROMIS Health Organization, 2018-*present*

#### **Member**

Social Media Task Force, Journal of Athletic Training, 2018-*present*

#### **Editorial Board Member**

Athletic Training and Sport Health, 2017-*present*

Journal of Athletic Training, 2017-*present*

Journal of Sport Rehabilitation, 2016-*present*

#### **Chair**

Free Communications Committee, Rocky Mountain Athletic Trainers' Association, 2015-*present*

#### **Member**

Programming Committee, Rocky Mountain Athletic Trainers' Association, 2015-*present*

#### **Member**

Governmental Affairs Committee, Arizona Athletic Trainers' Association, 2015- 2018

#### **Chair**

Communications Committee, Arizona Athletic Trainers' Association, 2012-2015

#### **Member**

Public Relations Committee, Rocky Mountain Athletic Trainers' Association, 2012-2015

**Article Editor**

Sage Open ScholarOne, 2012

**Manuscript Reviewer**

International Journal of Sports Medicine, 2018-*present*

BMC Pediatrics, 2016-*present*

Journal of Athletic Training, 2013-*present*

Quality of Life Research, 2012-*present*

Sports Health, 2012-*present*

Journal of Science and Medicine in Sport, 2012-*present*

Journal of Sport Rehabilitation, 2010-*present*

Athletic Therapy Today, 2010-*present*

**Moderator (NATA Annual Meeting and Symposium)**

Ankle Injury Risk Factors, 2019

Injury Epidemiology in High School Athletes, 2018

Quality of Life after Lower Extremity Injury, 2014

Physical Activity in Children: Prevention and Management of Obesity, 2010

***INSTITUTIONAL*****Vice Chair**

Institutional Review Board, A.T. Still University, 2014-*present*

**Member**

Promotion and Tenure Committee (ASHS), A.T. Still University, 2016-*present*

**Member**

Interdisciplinary Research Committee, A.T. Still University, 2009-*present*

**Member**

Still Research Institute, A.T. Still University, 2009-*present*

**Member**

ASHS Assessment Committee, A.T. Still University, 2014-2016

**Ombudsmen**

Faculty Assembly, A.T. Still University, 2013-2016

**Member**

Faculty Assessment Committee, A.T. Still University, 2013-2014

**Member**

Institutional Review Board, A.T. Still University, 2012-2014

**Faculty Coordinator**

Employee Investment Committee, A.T. Still University, 2014

**Secretary**

Faculty Affairs Committee, A.T. Still University, 2011-2012

**COMMUNINTY**

**Medical Liaison**

Youth Sports Initiative, City of Mesa, Mesa, AZ, 2013-present

**Medical Volunteer**

Youth Sport Safety Expo, City of Mesa, Mesa, AZ, 2014

**Medical Volunteer**

Positive Play Project, City of Mesa, Mesa, AZ, 2013

**Volunteer**

UMOM Read to Me Program, Phoenix, AZ, 2013

**Medical Volunteer**

PF Chang's Rock n' Roll Marathon, Phoenix, AZ, 2011

**Medical Volunteer**

Boston Marathon, Boston, MA, 2001

**AWARDS AND HONORS**

**PROFESSIONAL**

**Service Award**

Rocky Mountain Athletic Trainers' Association, 2019

**Service Award**

Arizona Athletic Trainers' Association, 2019

**Hank Chambers Award for Best Scientific Paper**

Pediatric Research in Sports Medicine, 2019

**Clint Thompson Award for Clinical Advancement**

Journal of Athletic Training, 2018

**Best Scientific Poster Award**

Peer-Reviewed Track Competition, Far West Athletic Trainers' Association Annual Meeting and Clinical Symposia, 2015

**Outstanding Program Award**

Mesa Positive Play Project, Arizona Parks and Recreation Association, 2014

**Clint Thompson Award for Clinical Advancement**

Journal of Athletic Training, 2012

***INSTITUTIONAL***

**Scholar of the Year**

Arizona School of Health Sciences, A.T. Still University, 2018

**Scholar of the Year**

Arizona School of Health Sciences, A.T. Still University, 2013

**Excellence Award (Nominee)**

A.T. Still University, 2010

**PROFESSIONAL DEVELOPMENT**

***SCIENTIFIC DEVELOPMENT AND TRAINING***

**US Bone and Joint Initiative Young Investigator's Initiative Program** (Toronto, ON and Chicago, IL): *2019-present*

**NATA Foundation Research Mentorship Program** (Dallas, TX): *2013-2014*

**Institute for Patient-Centered Comparative Effectiveness Annual Research Intensive** (Portland, OR): *2013*

***SCIENTIFIC CONTINUING EDUCATION***

**Society for Clinical Trials Annual Meeting** (Portland, OR): *2018*

**North American Primary Care Research Group: Practice-Based Research Network Conference** (Bethesda, MD): *2016, 2017*

**Americas Conference on Information Systems** (San Diego, CA): *2016*

**Advanced Healthcare Analytics** (Boston, MA): *2016*

**Advancing Ethics in Research: Public Responsibility in Medicine and Research (PRIM&R)** (Boston, MA): *2015*

***ATHLETIC TRAINING CONTINUING EDUCATION***

**CAATE Annual Meeting:** *2018, 2019*

**International Ankle Symposium** (Amsterdam, Netherlands): 2019

**ECSS Annual Congress** (Dublin, Ireland): 2018

**NATA Annual Meeting and Clinical Symposium:** 2002 – 2005, 2007, 2010-2014, 2016-2019

**RMATA Annual Meeting:** 2012, 2015-2019

**NATA Athletic Training Educators' Conference:** 2009, 2011, 2013, 2015

**AzATA Annual Meeting and Summer Symposium:** 2012, 2015

**AzATA Annual Meeting and Winter Symposium:** 2010-2017, 2019

**Concussion Management Seminar** (A.T. Still University): 2010

**Approved Clinical Instructor Seminar** (Boston University): 2003, 2004, 2006 – 2008

**Graston In-Service** (Boston University): 2008

**EATA Annual Meeting and Symposium:** 2007

**ACL Injury Prevention Program** (Children's Hospital Boston): 2006

**Kinetic Chain Clearing in the Shoulder** (University of Medicine and Dentistry of NJ): 2005

## **PROFESSIONAL CERTIFICATIONS**

**Certified Athletic Trainer:** Board of Certification (#060302043), 2003- present

**Licensed Athletic Trainer:** State of Arizona (#0994), 2010 – present

**National Provider Identifier:** #1780094417

**Licensed Athletic Trainer:** Commonwealth of Massachusetts (#1539-AT), 2003 – 2013

**Licensed Athletic Trainer:** State of New Jersey (25MT00123700), 2004-2006

## **PROFESSIONAL MEMBERSHIPS**

**Society for Clinical Trials:** 2018-present

**Pediatric Research in Sports Medicine:** 2017-present



**Public Responsibility in Medicine and Research: 2015-present**

**Rocky Mountain Athletic Trainers' Association: 2010-present**

**Arizona Athletic Trainers' Association: 2010-present**

**National Athletic Trainers' Association: 2000-present**

**Eastern Athletic Trainers' Association: 2000-2009**

**Athletic Trainers of Massachusetts: 2005-2009**

**Athletic Trainers' Society of New Jersey: 2004-2006**