

Kenneth C. Lam, Sc.D., ATC
Department of Interdisciplinary Health Sciences
Arizona School of Health Sciences
A.T. Still University
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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
- Characterizing athletic training clinical practice including injury, treatment, cost, and quality characteristics
- Identifying new methodologies to support comparative effectiveness research in sports medicine 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)

EDUCATION

POST-DOCTORAL FELLOWSHIP, *Patient-Oriented Outcomes Research*, 2009-2011
A.T. Still University, Mesa, AZ

DOCTOR OF SCIENCE, *Rehabilitation Sciences*, 2009
Boston University, Boston, MA

Dissertation: Are the coordination patterns of the lower extremities during walking and running restored more than one year after anterior cruciate ligament reconstructive surgery?

MASTER OF EDUCATION, *Human Movement*, 2004
Boston University, Boston, MA

BACHELOR OF SCIENCE, *Athletic Training*, 2003
Boston University, Boston, MA

***CAAHEP Accredited Entry-Level Athletic Training Education Program*

CURRENT ACADEMIC APPOINTMENTS

ASSOCIATE PROFESSOR OF CLINICAL RESEARCH
Department of Interdisciplinary Health Sciences
A.T. Still University

ASSOCIATE PROFESSOR OF ATHLETIC TRAINING

Athletic Training Programs
A.T. Still University

DIRECTOR OF CLINICAL INFORMATICS

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

RESEARCH SCIENTIST

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

PROFESSIONAL EXPERIENCE AND APPOINTMENTS

ASSOCIATE PROFESSOR OF CLINICAL RESEARCH

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

Courses taught:

ASHS 532: Methods of Data Analysis
ASHS 522: Research Methods and Design
DHS 801: Healthcare Outcomes

ASSOCIATE PROFESSOR OF ATHLETIC TRAINING

A.T. Still University, *Department of Interdisciplinary Health Sciences, 2014 - present*
Promoted in July 2015. Program faculty for Athletic Training Program, a Commission on Accreditation of Athletic Training Education (CAATE) accredited post-professional master's degree program. Academic and thesis advisor for first and second year students. Advise on Academic Review Board.

Courses taught:

ATRN 9001: Analyzing the Problem
ATRN 8020: Methods of Data Analysis
ATRN 8010: Research Methods and Design
ATRN 7140: Health Information Technology
ATRN 6125: Healthcare Informatics and Technology

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.

DIRECTOR OF CLINICAL INFORMATICS

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

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.

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.

ADJUNCT FACULTY

A.T. Still University, Department of Interdisciplinary Health Sciences

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

DHS 803: Evidence-Based Practice, 2011

DHS 801: Healthcare Outcomes, 2010

INSTRUCTOR

A.T. Still University, Department of Interdisciplinary Health Sciences

AT 5130: Healthcare Outcomes, 2010

AT 5060: Introduction to Clinical Outcomes Research, 2010

Boston University Department of Physical Therapy and Athletic Training

HP 532: Clinical Medicine I: Physical Agents (Laboratory), 2007-2008

TEACHING FELLOW

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

DHS 801: Healthcare Outcomes, 2010

DHS 803: Evidence-Based Practice, 2010

AT 6120: Sport Injury Epidemiology, 2010

AT 5130: Healthcare Outcomes, 2009

AT 5110: Evidence-Based Practice, 2009

Boston University, *Department of Physical Therapy and Athletic Training*

HP 531: Clinical Medicine I: Physical Agents, 2008-2009

HP 532: Clinical Medicine II: General Medical Conditions, 2008 - 2009

AT 356: Examination and Diagnosis of Orthopedic Injuries, 2006 - 2009

AT 404: Clinical Athletic Training I, 2005 - 2008

AT 405: Clinical Athletic Training II, 2006 - 2009

AT 304: Athletic Training Practicum I, 2005 - 2008

AT 305: Athletic Training Practicum II, 2006 - 2009

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.

GRANTS FUNDED

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

Submitted: February 2016

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.

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

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

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.

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.

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.

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: A.T. Still University Strategic Research Fund

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.

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.

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.

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.

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.

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.

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 (Not Funded)

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

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.

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.

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.

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

Lam KC, Welch CE, Sauers EL, Bay RC. Point-of-care clinical trials in athletic training: identifying effective intervention through comparative effectiveness research. *Journal of Athletic Training*. [In preparation].

Cameron KL, Barkley CB, Beutler A, Ferber R, **Lam KC**, Owens BD, Peck KY, Ransone J, Sedory EJ. NATA Position Statement: the prevention and management of tibial stress fractures. *Journal of Athletic Training*. [In preparation].

Lam KC, Markbreiter JG. Knee injury history impacts health-related quality of life in adolescent athletes. *Clinical Journal of Sports Medicine*. [In review].

Snyder Valier AR, Welch CE, Bay RC, **Lam KC**, Valovich McLeod TC. Normative Data for the Pediatric Quality of Life Instrument and the Multi-Dimensional Fatigue Scale in Adolescent Athletes. *Health and Quality of Life Outcomes*. [In review].

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*. [In review].

Lam KC, King CE, Hackett G, Valovich McLeod TC, Marberry K. Jump-landing patterns differ based on age and sex: implications for injury prevention. *Journal of Strength and Conditioning Research*. [In review].

Welch CE, Eppelheimer BL, Kasamatsu TM, **Lam KC**, Nottingham SL. Perceptions of and barriers toward patient care documentation among athletic trainers: A report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. [In review].

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*. [In review].

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*. [In press].

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*. [In press].

Lam KC, St. Thomas S, Snyder Valier AR, Valovich McLeod TC, Bay RC. Does a previous knee injury impact specific and generic health-related quality of life? *Journal of Athletic Training*. [In press].

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.

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.

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.

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 Sports Medicine*. 2014; 24(5):373-279.

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.

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.

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.

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.

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.**

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.

Snyder AR, **Lam KC**. Take action and seize opportunity. *International Journal of Athletic Therapy and Training*. 2011;16(1):5-7.

Evans TA, **Lam KC**. Clinical outcomes assessment in sports rehabilitation. *Journal of Sport Rehabilitation*. 2011; 20:8-16.

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 ABSTRACTS

Lam KC, Snyder Valier AR, RC Bay. Changes in self-report of impairments, function and disability following sport-related knee injuries: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2016;51(6): S-142.

Harrington KM, Snyder Valier AR, Cameron KL, **Lam KC**. Commonly used patient-reported outcome measures in athletic training. *Journal of Athletic Training*. 2016;51(6): S-228.

Nelson CP, Snyder Valier AR, Huxel Bliven KC, **Lam KC**. Assessment patterns of athletic trainers who diagnose knee sprains: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2016;51(6): S-208.

Snyder Valier AR, Huxel Bliven KC, **Lam KC**. Common orthopaedic special tests used for diagnosing ankle sprains in athletes: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2016;51(6): S-212.

Huxel Bliven KC, **Lam KC**, Snyder Valier AR. Orthopedic special tests used by athletic trainers in diagnosing glenohumeral dislocations and subluxations: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2016;51(6): S-213.

Gallegos DM, **Lam KC**, Snyder Valier AR, Huxel Bliven KC. Use of orthopedic special tests by athletic trainers who diagnose acromioclavicular sprains: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2016;51(6): S-207.

Lam KC, Snyder Valier AR, RC Bay. Patients experience significant and meaningful changes in self-report of function during the first two weeks after an ankle sprain: A report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2015;50(6): S-41.

Bay RC, **Lam KC**, Snyder Valier AR, Valovich McLeod TC. Confirmatory factor analysis of the Pediatric Quality of Life in Adolescent Athletes: A report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2015;50(6): S-157.

Harshbarger ND, Anderson BE, **Lam KC**. Is there a relationship between the Functional Movement Screen, Star Excursion, Balance Test and the Balance Error Scoring System? *Journal of Athletic Training*. 2015;50(6): S-135.

Valovich McLeod TC, Valier AR, **Lam KC**, Houston MN, Bay RC. Length of recovery following sport-related concussion and the impact on generic health-related quality of life in adolescent athletes. *Journal of Athletic Training*. 2015;50(6): S-115.

Shepherd LI, Valier AR, **Lam KC**, Houston MN, Bay RC, Valovich McLeod TC. The impact of concussion on specific measures of health-related quality of life in secondary school student-athletes. *Journal of Athletic Training*. 2015;50(6): S-90.

Sauers EL, Bay RC, **Lam KC**, Welch CE, Valovich McLeod TC, Snyder Valier AR. Adolescent patient self-reported pain, function, and disability are moderated by participation status during the first five-days post-injury: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2015;50(6): S-155.

Snyder Valier AR, Valovich McLeod TC, **Lam KC**, Sauers EL, Bay RC. Concussed athletes report less pain, greater function, and less disability compared to athletes with musculoskeletal injury: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2015;50(6): S-116.

Nottingham SL, **Lam KC**, Kasamatsu TM, Eppelheimer BL, Welch CE. Reasons for and mechanics of documenting patient care among athletic trainers: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2015;50(6): S-71.

Eppelheimer BL, Nottingham SL, Kasamatsu TM, **Lam KC**, Welch CE. Perceptions of and barriers toward patient care documentation among secondary school athletic trainers: A Report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2015;50(6): S-71.

Nottingham SL, **Lam KC**, Kasamatsu TM, Eppelheimer BL, Welch CE. Reasons for and mechanics of documenting patient care among athletic trainers: a report from the Athletic Training Practice-Based Research Network. Far West Athletic Trainers' Association Annual Meeting, San Diego, CA; April 2015.

***Peer-Reviewed Track Award Winner (1st place)**

Lam KC, Hoch MC, Anderson BE, Bay RC, Welch CE. The effectiveness of online video modules in improving knowledge and hands-on clinical skills: a pilot study. *Athletic Training Education Journal*. 2015; 10(1): S-14.

Lam KC, Welch CE, Valovich McLeod TC. 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. *Journal of Athletic Training*. 2014;49(3): S-135.

Williams TA, Corvo M, Mayfield RM, Gilmer L, **Lam KC**, Valovich McLeod TC. Test-retest reliability and learning effects of the Stability Evaluation Test. *Journal of Athletic Training*. 2014;49(3): S-161.

****Masters Award Finalist**

Markbreiter JG, **Lam KC**. Knee injury history impacts health-related quality of life in adolescent athletes. *Journal of Athletic Training*. 2014;49(3): S-31.

Heichelbech, MD, **Lam KC**, Bay RC, Sauers EL. The relationships between upper extremity pain,

injury history, and health-related quality of life of collegiate baseball players during late-season. *Journal of Athletic Training*. 2014;49(3): S-236.

King CE, Kulow SM, Valovich McLeod TC, **Lam KC**. The influence of age and sex on jump-landing patterns: a clinical evaluation. *Journal of Athletic Training*. 2014;49(3): S-135.

Fayson SD, **Lam KC**, Snyder Valier AR, Valovich McLeod TC. The impact of sport and sex on sport-related injury patterns: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2014;49(3): S-134.

Stobierski L, Snyder Valier AR, **Lam KC**, Anderson BE, Welch CE, Valovich McLeod TC. Athletic training services provided during daily patient encounters in the secondary school setting: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2014;49(3): S-133.

Kostishak N, **Lam KC**, Anderson B, Welch CE, Valovich McLeod TC. Treatment characteristics and return-to-play timelines following sport-related concussion: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2014;49(3): S-13.

Lam KC, Bay RC. Does severity of a previous ankle injury influence region-specific and generic health-related quality of life in collegiate athletes? *Journal of Athletic Training*. 2013;48(3): S-76.

Kulow SM, Valovich McLeod TC, **Lam KC**. The Landing Error Scoring System: do jump-landing patterns differ based on sport? *Journal of Athletic Training*. 2013;48(3): S-151.

****Masters Award Winner**

Kostishak N, Anderson BA, **Lam KC**, Valovich McLeod TC. Patient, injury, and assessment characteristics of sport-related concussions at initial evaluation: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2013;48(3): S-13.

****Masters Award Finalist**

Williams TA, Kulow SM, Valovich McLeod TC, **Lam KC**. The severity of a previous ankle injury does not impact postural control. *Journal of Athletic Training*. 2013;48(3): S-77.

Sauers EL, Bliven K, **Lam KC**. Treatment characteristics and estimated direct costs of care provided by athletic trainers for upper extremity disorders: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2013;48(3): S-99.

Rice T, Mayfield RM, **Lam KC**, Valovich McLeod TC. Postural control differences between adolescent and collegiate male athletes using the Stability Examination Test. *Journal of Athletic Training*. 2013;48(3): S-160.

Baker R, Anderson BA, **Lam KC**, Valovich McLeod TC. A descriptive analysis of clinical findings at discharge following sport-related concussion: a report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*. 2013;48(3): S-193.

Valovich McLeod TC, Bay RC, Valier AR, **Lam KC**, Parsons JT. Health-related quality of life following sport-related concussion in interscholastic athletes. *British Journal of Sports Medicine*. 2013; 37:e1.

Lam KC, Valovich McLeod TC, Snyder Valier AR, Bay RC. The impact of knee injury history on health-related quality of life in college athletes. *Journal of Athletic Training*. 2012;47(3):S-28.

Kulow SM, Valovich McLeod TC, Bay RC, Hackett G, **Lam KC**. Knee injury history does not influence jump-landing patterns: a clinical evaluation. *Journal of Athletic Training*. 2012;47(3):S-104.

St. Thomas S, Snyder AR, Bay RC, **Lam KC**. Does severity of a previous lower extremity injury influence health-related quality of life? *Journal of Athletic Training*. 2012;47(3):S-130.

****Masters Award Winner**

King CE, Valovich McLeod TC, Bay RC, **Lam KC**. Landing Error Scoring System: describing sex differences in a traditional college athletics setting. *Journal of Athletic Training*. 2012;47(3):S-103.

Yanda A, **Lam KC**, Valovich McLeod TC. Fatigue-specific health-related quality of life: sex differences in healthy adolescent athletes. *Journal of Athletic Training*. 2012;47(3):S-29.

Bay RC, **Lam KC**, Valovich McLeod TC. Changes in means and factor structure of multidimensional fatigue following sport-related concussion. *Journal of Athletic Training*. 2012;47(3):S-178.

Valovich McLeod TC, **Lam KC**, Bay RC, Sauers EL, Snyder AR. A descriptive analysis of the Athletic Training Practice-Based Research Network (AT-PBRN). *Journal of Athletic Training*. 2012;47(3):S-65.

Huxel Bliven K, Parsons JT, Anderson B, Bay RC, **Lam KC**, Snyder AR, Sauers EL, Valovich McLeod TC. Assessment of perceived usability and barriers of a customized electronic medical record by secondary school athletic trainers. *Journal of Athletic Training*. 2012;47(3):S-166.

Corvo MA, Williams TA, **Lam KC**, Valovich McLeod TC. Does concussion history affect postural control as measured by the stability evaluation test? *Journal of Athletic Training*. 2012;47(3):S-113.

St. Thomas S, Snyder AR, Bay RC, **Lam KC**. Does severity of a previous lower extremity injury influence health-related quality of life? *Rocky Mountain Athletic Trainers' Association Annual Symposium*, Mesa, AZ; April 2012.

Kulow SM, Valovich McLeod TC, Bay RC, Hackett G, **Lam KC**. Knee injury history does not influence jump-landing patterns: a clinical evaluation. *Rocky Mountain Athletic Trainers' Association Annual Symposium*, Mesa, AZ; April 2012.

King CE, Valovich McLeod TC, Bay RC, **Lam KC**. Landing Error Scoring System: describing sex differences in a traditional college athletics setting. *Rocky Mountain Athletic Trainers' Association Annual Symposium*, Mesa, AZ; April 2012.

Yanda A, **Lam KC**, Valovich McLeod TC. Fatigue-specific health-related quality of life: sex differences in healthy adolescent athletes. *Rocky Mountain Athletic Trainers' Association Annual Symposium*, Mesa, AZ; April 2012.

Williams TA, Valovich McLeod TC, Yakuboff MK, **Lam KC**. Stability Evaluation Test: representative values for healthy college athletes and its relationship to the Balance Error Scoring System. *Rocky Mountain Athletic Trainers' Association Annual Symposium*, Mesa, AZ; April 2012.

Corvo MA, Williams TA, **Lam KC**, Valovich McLeod TC. Does concussion history affect postural control as measured by the stability evaluation test? *Rocky Mountain Athletic Trainers' Association Annual Symposium*, Mesa, AZ; April 2012.

Valovich McLeod TC, **Lam KC**, Bay RC, Sauers EL, Snyder AR. A descriptive analysis of the Athletic Training Practice-Based Research Network (AT-PBRN). *Rocky Mountain Athletic Trainers' Association Annual Symposium*, Mesa, AZ; April 2012.

Valovich McLeod TC, Bay RC, **Lam KC**, Snyder AR. The impact of sport-related concussion time loss on health-related quality of life in adolescent athletes. *Ninth World Congress on Brain Injury*, Edinburgh, Scotland; March 2012.

Sauers EL, Bay RC, Huxel Bliven K, Snyder Valier AR, **Lam KC**. Item reduction and factor distribution of the Functional Arm Scale for Throwers (FAST). *American Society of Shoulder and Elbow Therapists Annual Conference*. White Sulphur Springs, WV; October 2011.

Valovich McLeod TC, Snyder AR, **Lam KC**, Bay RC, Sauers EL. A preliminary practice analysis of care provided within the Secondary School Athletic Training Practice-Based Research Network. *Association of Schools of Allied Health Professions*. Scottsdale, Arizona; October 2011.

Chhabra A, Bay RC, **Lam KC**, Valovich McLeod TC. Sideline management of concussions in adolescent athletes: can the sport concussion assessment tool 2 (SCAT2) be accurately used to determine return to play status? *American Orthopaedic Society for Sports Medicine Annual Meeting*, San Diego, CA; July 2011.

Lam KC, Snyder Valier AR, Bay RC, Valovich McLeod TC. Identifying differences in health-related quality of life between adolescent athletes and a general, healthy adolescent population. *Journal of Athletic Training*. 2011;46(3):S-50.

Califano K, Snyder AR, **Lam KC**, Valovich McLeod TC. Comparison of health-related quality of life in interscholastic adolescent athletes participating in fall, winter, or spring sports. *Journal of Athletic Training*. 2011;46(3):S-49.

Valovich McLeod TC, Bay RC, **Lam KC**, Chhabra A, Parsons JT, Snyder AR. The relationship between traditional concussion measures and health-related quality of life in adolescent athletes. *Journal of Athletic Training*. 2011;46(3):S-63.

Bay RC, Huxel Bliven K, Snyder Valier AR, **Lam KC**, Sauers ES. Item reduction and factor distribution of the Functional Arm Scale for Throwers (FAST). *Journal of Athletic Training*. 2011;46(3):S-32.

Huxel Bliven K, Parsons JT, Bay RC, Snyder AR, **Lam KC**, Valovich McLeod TC. Employment characteristics predict presence of a team physician in secondary school athletic training practice setting. *Journal of Athletic Training*. 2011;46(3):S-89.

Grenz A, Bay RC, **Lam KC**, Chhabra A, Valovich McLeod TC. Self-reporting of concussion symptoms: agreement between the SCAT2 and ImpACT symptom scales in adolescent athletes. *Journal of Athletic Training*. 2011;46(3):S-61.

Nicollelo T, Parsons JT, Huxel Bliven K, Bay RC, Snyder AR, **Lam KC**, Valovich McLeod TC. Personal and school characteristics predict the employment model of secondary school athletic trainers. *Journal of Athletic Training*. 2011;46(3):S-89.

Purdoff MJ, Anderson BA, **Lam KC**, Bay RC, Valovich McLeod TC. Post-concussion deficits measured by the sport concussion assessment tool 2 (SCAT2) among interscholastic athletes. *National Athletic Trainers' Association Annual Symposium, Free Communication Program – Poster Session*, New Orleans, LA; June 2011.
****Masters Award Finalist**

Romer ME, Snyder AR, **Lam KC**, Bay RC. Clinical usefulness of proxy report of health-related quality of life in adult dental patients with special needs. *International Association for Disability and Oral Health World Congress*, Ghent, Belgium; August 2010.

Romer ME, Snyder AR, **Lam KC**, Bay RC. Dental patients with special needs: reports of quality of life. *International Association of Dental Research, General Session*, Barcelona, Spain; July 2010.

Lam KC, Wagenaar RC, Holt KG, Foster TE. Identifying kinematic and coordinative changes in the lower extremities during walking and running more than one year after anterior cruciate ligament reconstructive surgery. *Journal of Athletic Training*. 2010;45(3):S-45.

Parsons JT, **Lam KC**, Bay RC, Mathieson K, Snyder AR, Valovich McLeod TC. Health-related quality of life: gender differences between adolescent athletes. *Journal of Athletic Training*. 2010;45(3):S-56.

Valovich McLeod TC, Bay RC, **Lam KC**, Snyder AR. Health-related quality of life following sport-related concussion in adolescent athletes. *Journal of Athletic Training*. 2010;45(3):S-55.

Valovich McLeod TC, Bay RC, **Lam KC**, Snyder AR. Health-related quality of life following sport-related concussion in adolescent athletes. *Rocky Mountain Athletic Trainers' Association Symposium*, Denver, CO; April 2010.

Valovich McLeod TC, Bay RC, **Lam KC**, Parsons JT, Snyder AR. Self-report concussion history negatively impacts headache, fatigue, and general health-related quality of life. *Brain Injury*. 2010;24(3):107.

Welch CE, **Lam KC**, Laursen RM. Paget-Von Schrotter Syndrome in a non-dominant arm: a case report. *Journal of Athletic Training*. 2007;42(2):S113-114.

PROFESSIONAL PRESENTATIONS

International

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.

Accepted to the 22nd Americas Conference on Information Systems with Tamara Valovich McLeod, PhD, ATC, FNATA, and Eric Sauers, PhD, ATC, FNATA, San Diego, CA; August 2016.

National

Integrating patient-rated outcome measures into routine patient care: overcoming common challenges and barriers.

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

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.

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.

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.

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].

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].

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.

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.

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.

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.

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.

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.

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.

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.

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/State

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].

Practice characterization: what is it, why is it important, and how you can accomplish it?

Accepted for the Arizona Athletic Trainers' Association Winter Meeting, General Session (Podium), Glendale, AZ; January 2016. [Invited].

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].

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), Mesa, AZ; April 2015. [Invited].

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].

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].

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].

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.

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.

Community

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.

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

The impact of sport-related lower extremity injuries on patient-oriented outcomes.

Presented at the Annual Research Symposium A.T. Still University, General Session (Podium), Mesa, AZ; February 2015.

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.

Guest lectures

Big data in healthcare: its promise and potential pitfalls

Guest lecturer for the Doctor of Athletic Training Winter Institute, Athletic Training Program, A.T. Still University, Mesa, AZ; February 2016.

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.

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.

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.

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.

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.

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.

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; January 2013.

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

Lam KC. Electronic Documentation. In: Konin JG et al. Documentation for Athletic Training. Thorofare, NJ: SLACK. [In press].

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.

INVITED NON-REFERRED PUBLICATIONS AND ABSTRACTS

Lam KC. Caring for ankle injuries – a parent’s guide. Pamphlet developed for the Mesa Community Positive Play Project. August 2014.

Lam KC. Injury prevention for adolescent athletes – a coach’s guide. Pamphlet developed for the Mesa Community Positive Play Project. September 2013.

Lam KC. Injury prevention for adolescent athletes – a parent’s guide. Pamphlet developed for the Mesa Community Positive Play Project. September 2013.

Lam KC. The AO handbook of musculoskeletal outcomes measures and instruments, 2nd expanded edition (book review). *Athletic Training and Sports Healthcare*. 2011; 3(3):155-156.

Lam KC. Evidence-based practice: the clinical bottom line - Evaluating acute anterior cruciate ligament injuries. *NATA News*. 2011; June:30.

Lam KC. Enhancing clinical education using an EMR system. *Network News: the Secondary School Athletic Training Practice-Based Research Network*. 2011;1(2):1.

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.

THESIS COMMITTEES

Committee Chair

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.

Harrington K. Common patient-rated outcome measures in athletic training. Master's Thesis, Arizona School of Health Sciences, A.T. Still University; 2014-2016.

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.

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.

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.

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.

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.

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.

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.

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.

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

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.

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.

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.

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

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-present

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

Reviewer

BMC Pediatrics, 2016-present

Quality of Life Research, 2012-present

Journal of Athletic Training, 2013-present

Journal of Science and Medicine in Sport, 2012-present

Journal of Sport Rehabilitation, 2010-present

Athletic Therapy Today, 2010-present

Sports Health, 2012-present

Moderator, NATA Annual Meeting and Symposium

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*
Ombudsmen, Faculty Assembly, A.T. Still University, *2013-present*
Member, ASHS Assessment Committee, A.T. Still University, *2014-present*
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*
Member, Interdisciplinary Research Committee, A.T. Still University, *2009-present*
Member, Still Research Institute, A.T. Still University, *2009-present*

Community

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

Scholar of the Year, Arizona School of Health Sciences, A.T. Still University, *2013*
Clint Thompson Award for Clinical Advancement, Journal of Athletic Training, *2012*
Excellence Award (Nominee), A.T. Still University, *2010*

PROFESSIONAL DEVELOPMENT

Scientific development

Advanced Healthcare Analytics (Boston, MA): *2016*.
Advancing Ethics in Research: Public Responsibility in Medicine and Research (PRIM&R) (Boston, MA): *2015*.
Institute for Patient-Centered Comparative Effectiveness Annual Research Intensive (Portland, OR): *2013*
NATA Foundation Research Mentorship Program (Dallas, TX): *2013-2014*

Continuing education

NATA Annual Meeting and Clinical Symposium: *2002 – 2005, 2007, 2010-2016*
NATA Athletic Training Educators' Conference: *2009, 2011, 2013, 2015*
AzATA Annual Meeting and Symposium (Summer): *2012, 2015*
RMATA Annual Meeting: *2012, 2015, 2016*
AzATA Annual Meeting and Symposium (Winter): *2010-2016*
ATSU Concussion Management Seminar: *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

National Athletic Trainers' Association: 2000 – *present*

Rocky Mountain Athletic Trainers' Association: 2009 – *present*

Arizona Athletic Trainers' Association: 2010 – *present*

Eastern Athletic Trainers' Association: 2000 – 2009

Athletic Trainers of Massachusetts: 2005 – 2009

Athletic Trainers' Society of New Jersey: 2004-2006

SKILLS

Software: SPSS, OpenStat, G*Power, Access, EndNote, Teleform, MATLAB

Research Equipment: Neurocom VSR Sport, Optotrak 3020 System