

FREE COMMUNICATIONS PROGRAM

Monday, July 13, 2020

Oral Presentations 10:30 a.m. – 11:30 a.m.

Sport Specialization, (I, II)

The Association Between High School Cutting Policy and School Size With Sport Specialization Status and Multisport Participation

Mayrena Hernandez, MPH, LAT, ATC, University of Wisconsin at Madison

Early Sport Specialization and Subjective Hip & Groin Dysfunction in Collegiate Ice Hockey Athletes

John Goetschius, PhD, ATC, Adrian College

Prior Sport Specialization is Associated With Lower Extremity Stress Fracture in Female Service Academy Cadets

Kenneth Cameron, PhD, MPH, ATC, John A. Feagin Jr. Sports Medicine Fellowship

Association Between Socioeconomic Status and Sport Specialization in High School Baseball Players

Elizabeth Hibberd, PhD, LAT, ATC, University of Alabama

A Dyadic Analysis of Parent's Competitiveness and High School Athlete's Sport Specialization

Dee Warmath, PhD, University of Georgia

Differences in Current Self-Reported Physical Activity Among Females With Varying Previous Sport Participation: A Report From the Active Women's Health Initiative

Rachel Kleis, MS, LAT, ATC, University of Kentucky

Free Communications Awards Presentations, (II, IV, V)

The Experience of Professional Master's Athletic Training Students With Sexual Harassment During Clinical Education

Chaselyn Trentley, ATC, University of Lynchburg

Dry Cupping Therapy Improves Subcutaneous Hemodynamics and Pain Associated with Nonspecific Neck Pain

Stephanie Stephens, MS, University of Virginia

Limb Differences in Hamstring Muscle Function and Morphology 2-9 Years after Anterior Cruciate Ligament Reconstruction

Justin Rush, MS, ATC, University of Toledo

Gait Biofeedback and Impairment-based Rehabilitation for Chronic Ankle Instability: A Randomized Controlled Trial

Rachel Wolfe Koldenhoven, PhD, ATC, Texas State University

Neural Correlates of Knee Extension Exercise and Single Leg Hop Performance following Attentionally Focused Neuromuscular Training

Randy Schmitz, PhD, ATC, University of North Carolina at Greensboro

Tuesday, July 14, 2020

Rapid Fire Presentations, 9:00 a.m. – 10:00 a.m.

Social Determinants of Health in Athletic Healthcare, (I, II, V)

Socioeconomic Status Impacts Athletic Healthcare in U.S. Secondary Schools

Robert Huggins, PhD, LAT, ATC,

The Impact of Sociodemographic Factors on Baseline King Devick Performance in High School Athletes

Jessica Wallace, PhD, LAT, ATC, University of Alabama

The High School Athlete's Concussion Reporting Motivation in a Socioecological Context

Andrew Winterstein, PhD, ATC, ATC, University of Wisconsin at Madison

The Relationship Between Athletic Trainers' Perceptions of and Experiences With Social Determinants of Health

Kelsey Picha, PhD, ATC, A.T. Still University

Athletic Trainers' Perceptions of and Experiences With Social Determinants of Health in the Secondary School Setting

Rhianna Freiburger, MS, ATC, A.T. Still University

Athletic Trainers' Perceptions of and Experience with Social Determinants of Health in the Collegiate and University Setting

Adrian Wright-FitzGerald, MS, ATC, A.T. Still University

Athletic Trainers' Perceptions of Social Determinants of Health

Richelle Williams, PhD, ATC, Drake University

The Presence of Emergency Equipment in Secondary Schools With Athletic Training Services by Employment Provider

Erica Filep, MEd, LAT, ATC, Korey Stringer Institute, University of Connecticut

Oral Presentations, 11:00 a.m. – 12:00 p.m.

Heat Illness Prevention Policies and Protocols, (I, II, III, V)

Athletic Trainers' Behaviors Considering the Adoption of Environmental Heat Policies in the Secondary School Setting

Samantha Scarneo-Miller, PhD, LAT, ATC, University of Connecticut

Exertional Heat Stroke Policy Adoption Across the Socio-ecological Framework

Amanda Kuczo, University of Connecticut

Educational Factors, Facilitators and Barriers Associated With Implementation of the NATA-IATF Heat Acclimatization Guidelines

Aliza Nedimyer, MA, LAT, ATC, University of North Carolina at Chapel Hill

Emergency Medical Services Exertional Heat Stroke Protocols Across the U.S.

Michael Szymanski, MS, LAT, ATC, University of Connecticut

The Ability of a Web-Based Questionnaire to Accurately Evaluate Best Practice Adoption in Secondary Schools

Zachary Malone, ATC, University of Connecticut

American Football Uniforms Cause Failures on the Heat Tolerance Test

Ethan Launstein, Central Michigan University

Oral Presentations, 2:30 p.m. – 3:30 p.m.

Disablement and Quality of Life Among Athletes From Adolescents to Adults, (I, IV, V)

Health Related Quality of Life in Adolescent Athletes Pre and Post and Musculoskeletal Injury

Nicholas Biello, MS, AT, Ohio University

Measures of Quality of Life in Middle School Students Utilizing the PedsQL

Patricia Kelshaw, MS, LAT, ATC, George Mason University

Capturing the Patient Perspective at Return-to-Play Following an Ankle Sprain Injury: A Report from the Athletic Training Practice-Based Research Network

Ashley Marshall, PhD, ATC, Appalachian State University

Self-Perceived Lack of Recovery from Previous Injury Results in Lower Patient-Reported Outcome Scores and Increased Risk of Future Injury

Jennifer Tinsley, LAT, ATC, Appalachian State University

Disablement of the Physically Active in Former Division I Collegiate Athletes and Non-Collegiate Athletes

Mallory Lorence, MS, AT, Ohio University

Current Health-Related Quality of Life is Lower in Former Division I Collegiate Athletes than in Noncollegiate Athletes: A Five Year Follow-up

Janet Simon, PhD, AT, ATC, Ohio University

Wednesday, July 15, 2020

Rapid Fire Presentations, 9:00 a.m. – 10:00 a.m.

Adaptations in Overhead Athletes, (I, II)

Long Term Effects of Pitching on Muscle Characteristics of the Scapular Stabilizers in Professional Baseball Players

Ohsana Valle, MS, LAT, ATC, LaSalle University

Long-Term Effects of Pitching on Muscle Architecture of Posterior Rotator Cuff in Professional Pitchers

Stephen Thomas, PhD, ATC, Temple University

Forearm Rotational Strength Characteristics Among Collegiate Baseball Players Using Hand-held Dynamometry

Jeffrey Williams, PhD, ATC, Franklin College

Relationship Between Shoulder Range of Motion, Strength and Posture and Injury Risk in Collegiate Baseball Athletes

Steven Tucker, PhD, ATC, University of Central Arkansas

Relationship Between Hip Range of Motion and Power Output in Collegiate Baseball Players
Madison Osbourne, High Point University

Influence of Elbow Stretch on Flexor Carpi Ulnaris Motor Neuron Pool Excitability in Healthy Males
Emily Loew, MS, ATC, University of Toledo

Plasma Concentration of Interleukin-10 and Interleukin-6 can Predict Pain at 48-Hours Following a Musculoskeletal Injury to the Shoulder External Rotator Muscles
Paul Borsa, PhD, ATC, University of Florida

Using A Pre-Season Movement Examination to Analyze Scapular Movement Patterns in NCAA Division I Swimmers

Oliver Silversen, MS, ATC, University of Minnesota

Oral Presentations, 11:30 a.m. – 12:30 p.m.

Mental Health Considerations for Athletic Trainers and Their Patients, (I, II, IV)

Examining ATC's Perceptions of Their Role in Athlete's Mental Health
Leah Poloskey, PhD, ATC, CSCS, Merrimack College

Factors Influencing Stress and DS Among Collegiate Student-Athletes
Kristina White, Baylor University

Psychosocial Characteristics of High-School Endurance Athletes Compared to Team Sport Athletes
Olivia May, LAT, ATC, OTC, Children's Hospital Colorado

The Relationship Between Spiritual Well-Being and Burnout Among Collegiate Athletic Trainers
Leslie Oglesby, PhD, LAT, ATC, University of Southern Mississippi

Preparedness, Confidence and Best Practices in Preventing, Recognizing, Managing Routine and Crisis Mental Health Cases in NCAA Affiliated Institutions
Julia Young, ATC, Indiana State University

Mental Toughness, Anxiety and Depression Screening of Collegiate Athletes at Pre-Season, High-Stakes and Post-Season
Colleen Bohannon, MS, AT, ATC, University of Toledo

Oral Presentations, 3:00 p.m. – 4:00 p.m.

Health Consequences Following Concussion

Association of Lower Extremity Non-Contact and Contact Injuries With Previous Concussion History in Adolescent Athletes

Kevin Biese, MA, ATC, University of Wisconsin at Madison

Additional Injuries When Football Athletes Sustain Sport-related Concussion: Findings from the Ivy League-Big Ten Epidemiology of Concussion Study

Douglas Wiebe, PhD, Perelman School of Medicine

Survey Responses and Self-Reported Concussion History Identify Persistent Concussion Effects on Musculoskeletal Injury among College Football Players

Marisa Colston, PhD, ATC, University of Tennessee at Chattanooga

Kinesiophobia is Unrelated to Acute Musculoskeletal Injury Incidence Post-Concussion

Xavier Thompson, ATC, University of Virginia

Serum S100B is Increased in Special Operations Forces Combat Soldiers With Mild Traumatic Brain Injury History

Jacob Powell, MS, ATC, University of North Carolina at Chapel Hill

A Prospective Study of the Impact of Concussions on Health Outcomes in High School Football Players

Timothy McGuine, PhD, ATC, University of Wisconsin

Thursday, July 16, 2020

Oral Presentations, 9:00 a.m. – 10:00 a.m.

Concussion Education and Decision Making, (I, II, IV, V)

The Experiences of Peer Educators Implementing a Novel Peer Concussion Education Program With Collegiate Student-Athletes

William Ernst, MA, LAT, Texas A&M International University

Development and Initial Testing of a Theory-Based Intervention to Improve Athletic Training Students' Concussion-Related Decision-Making Intentions

Melissa Kay, PhD, LAT, ATC, University of Southern Mississippi

Compliance with State Law Components of Sport-Related Concussion Protocols in Pennsylvania High Schools

Erica Beidler, PhD, LAT, ATC, Duquesne University

Perceived Support for Return-to-Learn in Concussion Management by Secondary School Athletic Trainers and School Nurses

Anne Russ, PhD, LAT, ATC, Temple University

Analyzing Sideline Concussion Assessment Scores Across Time to Guide Return-to-Play After Concussion

Rachel Le, MS, ATC, University of Georgia

Gender Differences in Discussions and Reporting about Concussions
Meredith Kneavel, PhD, La Salle University

On-Demand Rapid Fire Presentations

Athletic Training Clinical Education: Developing the Future Athletic Trainer, (V)

Role Ambiguity in Athletic Training Students Within the Clinical Setting
Maegan Daniels, EdD, LAT, ATC, James Madison University

Athletic Training Student Application of the Core Competencies During Clinical Education: A Report From the Athletic Training Clinical Education Network
Cailee Welch Bacon, PhD, ATC, A.T. Still University

The Influence of Student/Preceptor Gender Dyads on the Role of the Athletic Training Student During Clinical Experience: A Report from the Athletic Training Clinical Education Network
Julie Cavallario, PhD, ATC, Old Dominion University

Preceptor Perceptions of the Immersive Clinical Environment in Athletic Training Education
Cameron Eldred, LAT, ATC, Indiana State University

Self-Efficacy and Coping After an 18-Week Immersive Clinical Experience
Melissa Snyder, PhD, LAT, ATC, Western Carolina University

Athletic Training Student Patient Encounter Characteristics During Immersive and Non-Immersive Experiences: A Report from the Athletic Training Clinical Network
Bailey Jones, ATC, Old Dominion University

Characteristics of Patient Encounters for Professional Athletic Training Students: A Report From the Athletic Training Clinical Education Network
Bonnie Van Lunen, PhD, ATC, FNATA, Old Dominion University

Becoming an Athletic Trainer: Development of Newly Credentialed Athletic Trainers Through the Transition to Practice
Ashley Thrasher, EdD, LAT, ATC, Western Carolina University

Black Athletic Trainers' Experiences Joining and Being Part of the Athletic Training Profession
Alexis Britford, ATC, Ohio University

Chronic Ankle Instability, (I, II, IV)

Associations of Diaphragm Contractility with Postural Control, Health-Related Quality of Life and Perceived Instability in a Chronic Ankle Instability Population
Masafumi Terada, PhD, ATC, Ritsumeikan University

Athletic Trainers' Perception on Treating and Managing Ankle Sprains
Revay Corbett, PhD, ATC, PES, University of Virginia

Effect of Ankle Braces on Dynamic Balance in Individuals With and Without Chronic Ankle Instability: A Systematic Review

Robert Reyburn, MS, Indiana State University

History of Ankle Sprain and Functional Instability in U.S. Officer and Enlisted Service Members at Entry to Secondary Training

Carolyn Dartt, MEd, ATC, Henry M. Jackson Foundation

Lateral Ankle Complex Hysteresis in Individuals With Chronic Ankle Instability

Cathleen Brown Crowell, PhD, ATC, Oregon State University

Over-Shoe Stabilization System Does Not Change Plantar Pressure Distribution in Patients with CAI

Abbey Thomas, PhD, ATC, University of North Carolina at Charlotte

Relationships Between Fear of Re-injury, Balance Self-Efficacy and Dynamic Balance Performance in Those with Chronic Ankle Instability

Ashley Suttmillier, MEd, ATC, Old Dominion University

Sensory Contributions with Postural Control Constraints in Individuals With Unilateral Chronic Ankle Instability and Healthy Controls

Yuki Sugimoto, MS, LAT, ATC, University of North Carolina at Greensboro

The Role of Hip Strength Deficits on Dynamic Function in Those With Chronic Ankle Instability

Paige Clawson, ATC, University of Kentucky

Transversus Abdominis Muscle Contractility Deficits of Individuals With Chronic Ankle Instability

Ryan McCann, PhD, ATC, CSCS, Old Dominion University

Heads Up on the Latest Concussion Findings, (II)

Head Acceleration in Collegiate Divers

Tyler Wood, PhD, ATC, Northern Illinois University

Prevalence and Causative Factors of Improperly Fitted Helmets in Youth Football Leagues

Susan Yeargin, PhD, ATC, University of South Carolina

The Effects of the 2nd Skull Skullcap® to Attenuate Forces Resulting From Foul Ball Impacts Into Catchers Masks in Baseball.

Rebecca Neal, ATC, NREMT, Adrian College

Pediatric Cognitive and Balance Performance at 4-Weeks Post-Concussion Does Not Differ by 5P Risk Classification

Elizabeth Teel, PhD, McGill University

Arterial Pulse Waveform Characteristics in Recently Concussed Female Athletes with Orthostatic Hypotension

Ryan Caruth, Seton Hall University

Does Sensation Seeking Behavior Predict Collegiate Student-Athletes' Concussion Care Seeking?

Michelle Weber Rawlins, PhD, ATC, A.T. Still University

The Effects of Physical Exercise on Salivary microRNA Levels

Thomas Campbell, MS, LAT, ATC, Old Dominion University

Age of First Exposure Influences Neurovascular Coupling in High School Football Athletes

Patricia Roby, MEd, ATC, University of North Carolina at Chapel Hill

Secondary School Athletic Trainers' and School Nurses' Confidence in Assessment and Perceived Roles During Concussion Management

Jamie Mansell, PhD, LAT, ATC, Temple University

Lower Extremity Case Studies, (II, IV)

Pediatric ACL Reconstruction in a Skier

Erin Boggs, LAT, ATC, The Steadman Clinic

Osteochondral Defects of the Knee: Arthroscopic Treatment With Bone Marrow Aspirate Concentrate and Biocartilage

Jessica Collum, Seton Hall University

Osteochondral Lesion in A Football Player: Late Diagnosis

Marguerite Montjoy, MS, ATC, The Steadman Clinic

Traumatic Patellar Fracture in an Adolescent Football Player Following MPFL Reconstruction: A Case Study

Katherine Helly, LAT, ATC, University of Kentucky

ORIF With a Bone Graft for an Anterior Mid-Tibia Stress Fracture in a Collegiate Basketball Player: Level 4 Clinical Case Study

Kelly Lumpkin, PhD, LAT, ATC, Liberty University

Pain Management Options for Post-Traumatic Ankle Osteoarthritis: A Case Study

Miranda Kruse, MA, ATC, OTC, Vail Summit Orthopaedics & Neurosurgery

Iron Deficiency Anemia Induced Peripheral Neuropathy in an Adolescent Athlete: A Level 4 Rare Events CASE Study

Francesca Genoese, MS, LAT, ATC, Regis Jesuit High School

Management of an Absent Infrarenal Inferior Vena Cava in a Collegiate Dancer: A Case Report

Laurel Trail, ATC, University of Texas at Tyler

Surgical Treatment of 1st Metatarsophalangeal Joint Kissing Lesions: Return to Professional Ballet

Elizabeth Fioretti, MEd, LAT, ATC, The Steadman Clinic

Conservative Management of an Achilles Laceration in a Division I Collegiate Sprinter

Shane Fitzpatrick, ATC, CES, University of Illinois

Muscular and Neural Adaptations Related to Lateral Ankle or Knee Injury, (I, II, IV)

Novel Brain Mechanisms Regulating Anterior Cruciate Ligament Injury Risk Biomechanics Utilizing a Motion Analysis System Integrated with Functional Magnetic Resonance Imaging During Lower Extremity Movement

Jed Diekfuss, Cincinnati Childrens Hospital Medical Center

Y-Balance Test as a Predictor of Lower Extremity Injuries in Division I Collegiate Football Players

Tony Boucher, PhD, PT, ATC, Texas A&M University

Collegiate Soccer Athletes with a History of Recurrent Ankle Sprains Have Slower Visuomotor Reaction Time

Matthew Hoch, PhD, ATC, University of Kentucky

Neural Excitability of Fibularis Longus During Single-Leg Balance in Patients with Acute Lateral Ankle Sprain

Joosung Kim, MS, ATC, University of Miami

Gluteus Maximus Corticomotor Excitability of Individuals With Chronic Ankle Instability: A Pilot Study

Trevor Thompson, MSAT, ATC, New York Jets

Contralateral Sensorimotor Connectivity is Related to Postural Control in the Non-Involved Lower Extremity of Older Adults With a History of Lateral Ankle Sprain

Katherine Bain, ATC, University of Kentucky

Postural Control Deficits Indicate Inadequate Neural Adaptation in Anterior Cruciate Ligament Reconstruction Patients

Yangmi Kang, MS, ATC, New Mexico State University

Measurements of Postural Control Error Signal During the Y Balance Test™ in ACL Reconstructed Individuals

Meredith Decker, MS, ATC, LAT, The University of Texas at Arlington

Preclinical Model of ACL Injury Reveals the Acute Time Course of Mitochondrial Dysfunction in the Vastus Lateralis

Steven Davi, MS, University of Connecticut

Non-Operative Management of a Proximal Anterior Cruciate Ligament Avulsion in an Adolescent Volleyball Player: A Case Study

Bridget Walsh, ATC, University of Kentucky

Tactical Athletes, (I, II, IV)

Association of Heart Rate Variability with Measures of Cognitive-Motor Status Among ROTC Cadets

Ashley Grillo, University of Tennessee at Chattanooga

Association Between Symptom Burden at Initiation of a Graduated Return-to-Activity Protocol and Time to Return to Unrestricted Activity After Concussion in Service Academy Cadets

Michael Aderman, MS, ATC, U.S. Military Academy West Point

Effects of a Cognitive Load on Marksmanship Performance in ROTC Members

Sean Buckley, MS, ATC, Nazareth College

A Testing Battery's Predictive Validity of Reporting an Injury During U.S. Army Basic Combat Training

Amy Hand, PhD, SCAT, ATC, University of South Carolina

Examination of Referral Patterns During Army Basic Combat Training

Rebecca Hirschhorn, MS, ATC, NRAEMT, University of South Carolina

Lower Extremity Loading Characteristics of Service Members With Transtibial Amputations During Drop-Landings from Varied Heights

Timothy Mauntel, PhD, ATC, Walter Reed National Military Medical Center

Benefits and Barriers Associated With Intention to Participate in an Exercise-Related Injury Prevention Program Within ROTC Cadets

Emily Gabriel, PhD, ATC, Mercer University

Ability of an Eye-Tracking Device for Detecting Concussion in Military Cadets: A Pilot Study

Megan Houston, PhD, ATC, Keller Army Hospital

Multivariate Rate of ImPACT Failure in Post-Concussion Recovery in NCAA Athletes and Military Academy Cadets

Cynthia Marra, ATC, LAT, OTC, University of Florida

Circadian Rhythm Chronotypes and Sleep Quantity Related to Injury in Reserve Officers' Training Corps (ROTC) Cadets

Kara Radzak, PhD, ATC, University of Nevada at Las Vegas

Therapeutic Interventions, (II, IV)

Intramuscular Temperature of Rectus Femoris During and After Cold-Water Immersion: A Gender Comparison

Youngwook Kim, MA, ATC, Utah State University

Current Practices in Acute Musculoskeletal Injury Care: A National Survey of Athletic Trainers

Tyler Beauregard, MS, ATC, Ohio State University

The Effects of Tissue Flossing on Muscular Tenderness in Collegiate Baseball Players

Brandon Warner, MEd, LAT, ATC, Grand Canyon University

Dry-Needling of a Powerlifter With Cervicobrachial Pain Syndrome and Subscapular Nerve Impingement: A Level III Case Study

Grace Mills, Liberty University

Effectiveness of Talocrural and Fibular Mobilizations With Movement to Increase Ankle Joint Motion in Individuals With Chronic Ankle Instability

Cynthia Wright, PhD, ATC, Whitworth University

The Evaluation of Joint Mobilization Dosage on Measures of Motion in Individuals With Decreased Dorsiflexion and a History of an Ankle Sprain

Jennifer Meyer, LAT, ATC, Indiana State University

Conservative Management Improves Functional Movement and Clinical Outcomes in Patients with Nonarthritic Hip Pain

Ryan McGovern, PhD, LAT, ATC, Texas Health Sports Medicine

Effects of Blood Flow Restriction on Ratings of Perceived Exertion During Dynamic Balance Exercises in Individuals With Chronic Ankle Instability

Savannah Monette, MS, Adrian College

Analysis of Pronation in Recreational Runners Treated with Kinesio® Tape

Janell Burkart, ATC, NREMT, North Dakota State University

Changes of Ankle Dorsiflexion Using Compression Tissue Flossing: A Systematic Review

Devin Kielur, LAT, ATC, Indiana State University

On-Demand Oral Presentations

Clinician-Oriented Lower Extremity Assessment, (I, II, IV)

Lower Extremity Musculoskeletal Screening Tool Practices of Athletic Trainers in Collegiate and Secondary School Settings

Megan Fowler, DAT, ATC, Indiana State University

Midfoot Kinematics Using Dynamic Navicular Drop Tests: Assessing Alternative Approaches

Laura Kehr, Southern Utah University

Intra-Session and Inter-Session Reliability of the Trunk and Hip Strength Measurements Using the Portable Tension Dynamometer

Edgar Garza, University of Texas at San Antonio

The Impact of a Theoretical Leg Length Discrepancy on Normalized Star Excursion Balance Test Reach Distance in Adolescent Patients With Chronic Ankle Instability

Mary Cain, PhD, ATC, University of North Carolina at Chapel Hill

The Relationship Between Human-Rated Errors and Tablet-Based Postural Sway During the Balance Error Scoring System in Military Cadets

Jeremy Ross, MEd, CSCS, University of Kentucky

Functional Balance Measures in Ballet Dancers With Varying Visual Input

Kelley Wiese, MS, LAT, ATC, Indiana University

Jumping and Landing Biomechanics and Motor Control, (I, IV)

Sex-Specific Brain Activation During Single-Leg Movements

Kyoungyoun Park-Braswell, MS, ATC, University of North Carolina at Greensboro

Dual Cognitive-Tactical Performance on Knee Kinematics and Kinetics

Gillian McCarren, ATC, Army West Point Athletic Association

Mental Fatigue Modifies Quadriceps Activation During an Unanticipated Jump Landing Task

Jasmine Cash, MS, Appalachian State University

Movement Control Differs With Age in Children

Emma Zuk, MS, ATC, University of Connecticut

Altered Ankle Kinematics as a Strategy to Reduce Hip Moments During a Drop Vertical Jump in Individuals with Femoroacetabular Impingement Syndrome

Kate Jochimsen, PhD, ATC, LAT, Ohio State University

The Effect of Fatigue on Movement Patterns Using the Landing Error Scoring System

Alanie Welch, SCAT, ATC, University of South Carolina

Lower Extremity Joint Loading in Cartilage Health Following Injury, (II, IV)

Lower Extremity Joint Loading During Gait Changes From Three Months to Time of Return-to-Sport Following Anterior Cruciate Ligament Reconstruction (ACL-R)

Craig Garrison, PhD, PT, ATC, Texas Health Sports Medicine

Changes in Patellofemoral Joint T1? Magnetic Resonance Imaging Relaxation Times Following ACL Reconstruction

Michelle Boling, PhD, LAT, ATC, University of North Florida

Comparison of Femoral Cartilage Health Between Individuals With and Without Patellofemoral Pain - Ultrasonographic Quality Analysis

Hyunjae Jeon, MS, ATC, University of North Carolina at Charlotte

Talar Cartilage Deformation Following Static Loading Associates With Mechanical and Sensorimotor Variables in Those With Chronic Ankle Instability

Erik Wikstrom, PhD, ATC, University of North Carolina at Chapel Hill

Ultrasonographic Assessment of Acute Talar Cartilage Deformation Following Static and Dynamic Loading in Those With and Without Chronic Ankle Instability

Kyeongtak Song, PhD, ATC, University of North Carolina at Chapel Hill

Auditory Feedback Improves Measures of Plantar Pressure During Functional Tasks in Individuals With Chronic Ankle Instability

Danielle Torp, MS, ATC, University of North Carolina at Charlotte

Monitoring of Movement and Physical Activity, (I, II, IV)

The Association Between Self-Reported, Accelerometer and Heart Rate-Derived Training Loads in Collegiate Soccer Athletes

Daniel Aube, Highpoint University

Wearable Sensors Identify Interlimb Asymmetries During Return-to-Sport Tests in a Collegiate Downhill Skier After Unilateral ACL Reconstruction

Shane Murphy, PhD, LAT, ATC, University of Montana

Comparison of Free-Living Step Accumulation Among Adolescent Patients Six Months After ACL Reconstruction and Healthy Controls

Christopher Kuenze, PhD, ATC, Michigan State University

Individuals With ACL Reconstruction Spend Fewer Weekly Minutes in Moderate-to-Vigorous Intensity Step Accumulation Compared to Healthy Participants

Caroline Lisee, MEd, ATC, Michigan State University

Trail Running Surface Does Not Affect Vertical Tibial Acceleration

Micah Garcia, MS, University of Toledo

Influence of Sagittal Trunk Position on Lower Extremity Muscle Activation in Runners

Allison Frymier, MS, ATC, Eastern Michigan University

Neuromuscular Considerations Following ACL Injury, (II, IV)

Research Dominance Definitions May Not Identify Higher Risk Limb for Anterior Cruciate Ligament Injury

Paul Cacolice, PhD, LAT, ATC, Westfield State University

Systematic Review and Meta-Analysis of the Hamstrings Muscles in Individuals With ACL Reconstruction, Part I: Neuromuscular Function

David Sherman, PT, ATC, University of Toledo

Quadriceps Strength Characteristics Do Not Significantly Improve From 6- to 9-months After Anterior Cruciate Ligament Reconstruction

Thomas Birchmeier, MS, ATC, CSCS, Michigan State University

The Influence of Quadriceps Rate of Torque Development on Limb-Symmetry in Knee Moment During Double-Leg Jump Landings in ACL-Reconstructed and Healthy Females

Yu-Lun Huang, PhD, LAT, ATC, University of Wisconsin at Eau Claire

Associations Between Quadriceps Function and Changes in Gait Biomechanics Between Level and Downhill Walking Following Anterior Cruciate Ligament Reconstruction

Derek Dewig, MA, ATC, University of North Carolina at Chapel Hill

Multi-Joint Control Strategies Do Not Differ Between Limbs During Single-Leg Triple Hop Landing in ACL Reconstructed Females

Colin Mulligan, ATC, Oregon State University

Optimizing Patient Care, (I, II, III, V)

Odds of Having Standing Orders by Employment Provider Type and Status in Secondary School Athletic Trainers

Ayami Yoshihara, MS, LAT, ATC, University of Connecticut

The Perception and Utilization of Student Aides in the Secondary School Athletic Training Setting

Andrea Kovalsky, MS, ATC, Athletico

The Effect of Lacrosse Equipment on Time to First Chest Compression and First Automated External Defibrillator Shock

Megan Murphy, Seton Hall University

Instructor Versus Feedback Manikin Assessment of CPR Skills

Emily Evans, EdD, ATC, University of Lynchburg

The Effect of Lacrosse Protective Equipment on Cardiopulmonary Resuscitation and Automated External Defibrillator Shock

Thomas Bowman, PhD, ATC, University of Lynchburg

Experiences of Athletic Training and Emergency Medical Service Students After Participating in an Interprofessional Mass Casualty Simulation

Kirk Armstrong, EdD, ATC, James Madison University

Psychological Considerations and Physical Function Following Knee Injury, (I, IV)

Self-Report of Pain, Function, Improvement and Disablement at Return-to-Play Following a Knee Sprain Injury: A Report from the Athletic Training Practice-Based Research Network.

Kenneth Lam, ScD, ATC, A.T. Still University

Greater Helplessness and Lower Self-Efficacy are Associated With Deficits in Physical Function Across Recovery After ACLR

Julie Burland, PhD, ATC, CSCS, University of Connecticut

Do Patients With Depression or Anxiety Experience Greater Levels of Pain Catastrophizing Before and After ACL Reconstruction?

Megan Simon, MA, LAT, ATC, Emory University

Effects of Psychological Readiness on Biomechanics in Adolescent Athletes During Jump-Landing at Time of Return-to-Sports Following Anterior Cruciate Ligament Reconstruction

Shiho Goto, PhD, ATC, Texas Health Sports Medicine

Do Individuals with Patellofemoral Pain Exhibit Pain Sensitization?: A Meta-Analysis and Systematic Review

Kemery Sigmund, MS, AT, ATC, Concordia University at Wisconsin

The Relationship Between Injury-Related Fear and Physical Activity Levels in Patients with a History of Anterior Cruciate Ligament Reconstruction

Amy Barchek, LAT, ATC, University of Kentucky

Sports Injury Epidemiology and Surveillance, (I, II, IV)

Epidemiology of Boys' Club Lacrosse Injuries During the 2018 Summer Lacrosse Season

Ian McGinnis, MS, LAT, ATC, NXT Sports

Non-Time Loss and Time Loss Injuries in Secondary School Girls' Volleyball Athletes: A Report From the National Athletic Treatment, Injury and Outcomes Network

Kellie Bliven, PhD, ATC, A.T. Still University

The Incidence of Injuries in Youth Mountain Bike Racing

Gregory Jancaitis, DAT, ATC, CSCS, Norwich University

Preparing for the Wildland Fire Season: Understanding Exercise and Injury History of Smokejumpers

Valerie Moody, PhD, LAT, ATC, University of Montana

Epidemiology of Dance-Related Injuries Presenting to Emergency Departments in the U.S., 2014-2018

Joshua Honrado, MS, ATC, CSCS, Harkness Center for Dance Injuries

Reported Symptom Type and Time to Symptom Resolution Among Football Athletes in the Ivy League-Big Ten Epidemiology of Concussion Study

Bernadette D'Alonzo, MPH, University of Pennsylvania

Poster Presentations

Assessment of Overhead Athletes, (I, II, III)

Assessment of Upper Extremity and Trunk Neuromuscular Control in Throwing Athletes

Drue Stapleton, PhD, ATC, CSCS, Rider University

Comparison of Arm Positions for Exercise of the Teres Minor Muscle During a Quadruped Position With Horizontal Abduction

Masaaki Tsuruike, PhD, ATC, San Jose State University

Concurrent Validity of an Electronic Version of the Kerlan-Jobe Orthopedic Clinic Overhead Athlete Shoulder and Elbow Score in Overhead College Athletes

Dan Tarara, EdD, ATC, LAT, High Point University

Determination of Kerlan-Jobe Orthopedic Clinic Scores in Competitive Tennis Players

Alexis Walker, LAT, ATC, Lee Health-Lee School District

Inter-Rater Reliability of a Novel Movement Assessment Performed on Overhead Throwing Athletes

Richard Boergers, PhD, ATC, Seton Hall University

Muscle Strength of Scapular Stabilizers in College Baseball Players With and Without a History of UCL Injury

Andy Waldhelm, PhD, PT, ATC, University of South Alabama

Relationship of a Novel Movement Assessment and Athletic Performance Tests in Softball Athletes

Johnny Rodriguez, ATC, CFSC, Union High School

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Katsumi Takeno, MS, ATC, University of Toledo

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Leif Madsen, PhD, ATC, Indiana University

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Danae Delfin, ATC, CSCS, CES, University of Alabama

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Samuel Walton, PhD, LAT, ATC, University of North Carolina at Chapel Hill

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Allyssa Memmini, MS, ATC, University of Michigan

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Melissa Anderson, MS, University of Georgia

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Melissa Hango, ATC, New Hampshire Musculoskeletal Institute

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Sara Brenner, Duquesne University

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Hyung Rock Lee, PhD, LAT, ATC, University of Central Arkansas

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Christina Vander Vegt, MS, LAT, ATC, University of North Carolina at Chapel Hill

Whole-Body Reactive Agility Testing Reveals Modifiable Impairments Among Elite Athletes With Self-Reported History of Sport-Related Concussion

Tyler Perry, MS, University of Tennessee at Chattanooga

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Concussion History is Associated with Elevated Physical and Psychological Symptomology in Former Collegiate Football Players

Avinash Chandran, PhD, University of North Carolina at Chapel Hill

Effects of Concussion History on Baseline Balance and Vestibular/Ocular Motor Assessment

Haleigh Gray, ATC, University of Alabama

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Jamie DeCicco, University of North Carolina at Chapel Hill

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Abigail Bretzin, PhD, ATC, University of Pennsylvania

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Holly Carrington, University of Virginia

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Ashlyne Vineyard, MAT, LAT, ATC, Baylor University

Collegiate Dancers' Aerobic Fitness Remains Similar Across their Collegiate Careers

Victoria Fauntroy, ATC, George Mason University

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Nancy Uriegas, MS, SCAT, ATC, University of South Carolina

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Breanna Dufour, ATC, Halifax County High School, Rehab Associates of Central VA

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Sarah Coogan, MS, ATC, VATL, George Mason University

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Marissa Ramos, MS, LAT, ATC, Indiana University

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Emily Madrak, MS, ATC, LAT, Oklahoma State University

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Matthew Rivera, DAT, LAT, ATC, Indiana State University

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Brandy Clemmer, EdD, LAT, Wingate University

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Kimberly White, MA, LAT, ATC, Indiana State University

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Jamie Frye, PhD, LAT, ATC, James Madison University

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Meghan Smith, ATC, North Dakota State University

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Destiny Lalaguna, Montana State University at Billings

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Stephen Cage, MEd, ATC, LAT, University of Texas at Tyler

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Diana Gallegos, ATC, University of Texas at Tyler

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Rebecca Stearns, PhD, ATC, University of Connecticut

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Katherine Collins, MS, Michigan State University

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Grant Norte, PhD, ATC, CSCS, University of Toledo

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Tonya Parker, PhD, AT, ATC, Grand Valley State University

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Anne McGrath, University of South Florida

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Marissa Sciabarra, LAT, ATC, Virginia Military Institute

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Marae Watkins, MS, LAT, ATC, Southern Arkansas University

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Adam Thompson, PhD, LAT, ATC, Indiana Wesleyan University

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Karli Dill, MA, ATC, Emory University

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Maureen Burke, MS, LAT, ATC, Coordinated Health-Dunmore High School

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Brooke Torres, ATC, Emory University

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Victoria Hunt, Texas A&M University

A Unique ACL Tibial Avulsion Without Bony Fragment in an Adolescent Football Player

Chelsea Richardson, ATC, OTC, Emory Healthcare

Cellulitis in Women's Soccer Preseason

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Conservative Treatment of a Fibular Torus Fracture in a Collegiate Football Player

Jaclyn Ouellette, Florida International University

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Gluteal Activation and Discomfort During the Superimposed Burst Technique Between Healthy Males and Females

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David Jacobs, ATC, University of Kentucky

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Non-Contact Total Knee Dislocation of the Posterolateral Corner in a College Football Player

Kayli Rudd, Florida International University

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Tibial Tubercle Avulsion Fracture in Two Different High School Athletes

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Torque Complexity of Maximal Knee Extensor Isometric Contraction in Individuals Following ACL Reconstruction

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Traumatic Intramuscular Hematoma of the Vastus Medialis Oblique and Vastus Intermedius in a High School Softball Player

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Two-Stage Revision Anterior Cruciate Ligament Reconstruction in a Professional Football Player

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Influence of Rating of Perceived Exertion on Collegiate Cross-Country Athletes' Running Biomechanics

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Neuromuscular Characteristics Are Altered in Female Soccer Athletes Following 9-Weeks of Elevated Training Load

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Preventive Training Programs Implemented During a Non-Traditional Season Provide Retention of Motor Control Improvements in Collegiate Soccer Athletes

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Sprinters Report Poorer MTSS Outcomes Compared to Endurance Runners over the Course of a Competitive Track Season

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The Relationship Between Lower Extremity Strength and Drive Leg Rate of Force Development in Softball Pitchers

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Toe Out Angle During Squatting is Associated With Lower Extremity Structural Alignment

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Sex Differences and Hip Muscle Strength After ACL-Reconstruction

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The Effect of Anterior Cruciate Ligament Reconstruction on Circulating Biomarkers of Muscle Hypertrophy and Atrophy

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Neither Sensory Nor Motor Threshold Transcutaneous Electrical Nerve Stimulation Alters Proprioception After Exercise-Induced Muscle Damage

Alan Needle, PhD, ATC, CSCS, Appalachian State University

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Leah Kilchrist, LAT, ATC, MSAT, Texas State University

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Kendall Dennison, ATC, Indiana State University

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Jeromy Alt, MS, ATC, University of Cincinnati

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Bryce Lawson, MS, ATC, CSCS, Phoebe Putney Memorial Hospital

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Emma Young, LAT, ATC, The Steadman Clinic

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Isolated Scapular Body Fracture in a High School Football Player

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Debbie-Ann Garricks, Florida International University

Traumatic Thoracic Injury in a Ninja/Parkour Athlete: A Level 4 Rare Events Case Study
Ann Francis, Western Carolina University

Blood Biomarkers for Bone Remodeling are Expressed Differently Between Collegiate Cross-Country Athletes With and Without a History of Lower Extremity Stress Fracture
Ryosuke Sakai, Weber State University

Vitamin D3 Supplementation May Spare Bone Mineral Density In Athletes During Periods of Intense Training
Jeffrey Parr, PhD, LAT, ATC, University of Southern Mississippi