



## **NATA FOUNDATION FREE COMMUNICATION PRESENTATIONS**

### **Oral Presentations**

#### **Wednesday, June 29**

**9:40 a.m. – 10:35 a.m.**

**Kids Are Not Little Adults, (I)**

9:40 a.m. - 9:46 a.m.

The Immediate Impact of Ankle and Knee Injuries on Health-Related Quality of Life in Adolescent Athletes: A Report From the Athletic Training Practice-Based Research Network

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

9:46 a.m. - 9:52 a.m.

A Multi-Year Assessment of the Impact of Sport Participation During the COVID-19 Pandemic on the Physical Activity and Quality- of- Life of Adolescent Athletes

Timothy McGuine, PhD, ATC, University of Wisconsin at Madison

9:52 a.m. - 9:58 a.m.

Child SCAT5 Premorbid Factors Are Not Predictive of Clinical Recovery Among Concussed Middle School Athletes

Nicholas Erdman, PhD, ATC, WLAT, George Mason University

9:58 a.m. - 10:04 a.m.

Changes in Patient-Reported Outcome Measures in Adolescent Athletes With Hamstring Strains

Byrnadeen Farraye, ATC, Ohio University

10:04 a.m. - 10:10 a.m.

Exploring the Relationship Between Social Support and Mental Health Symptoms in Adolescent Athletes

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

10:10 a.m. - 10:16 a.m.

The Role of Cervical Strength on Head Impacts in Youth Football Athletes

Rachel Le, MS, LAT, ATC, University of Georgia

10:16 a.m. - 10:22 a.m.

Differences in Strength, Flexibility and Balance Among Sport Specialization Levels in Adolescent Long-Distance Runners

Emily Jordan, University of Toledo

10:22 a.m. - 10:28 a.m.

Pre-Pubertal Long-Distance Runners Demonstrate Greater Movement Variability

Eryn Close, University of Toledo

10:28 a.m. - 10:34 a.m.

Flexibility, Balance and Strength Comparisons between Adolescent Long-Distance Runners With and Without a History of Bone Stress Injury

Lucas Haberkamp, University of Toledo

**1:30 p.m. – 2:25 p.m.**

**Diversity, Equity, Inclusion, Accessibility in Sports Medicine, (I, II, V)**

1:30 p.m. - 1:36 p.m.

The Association Between Social Context Factors, Concussion Education and Symptom Knowledge Among Black and White Middle School Parents

Alicia Montalvo, PhD, ATC, CSCS, University of Arizona

1:36 p.m. - 1:42 p.m.

The Validation of a Focused History Script for the Social Determinants of Health in Secondary School Athletic Training

Emily Giorgi, LAT, ATC, Indiana State University

1:42 p.m. - 1:48 p.m.

Professional Experiences of LGBTQ A+ Athletic Trainers and the Resources Needed

Alena Naff, ATC, Ohio University

1:48 p.m. - 1:54 p.m.

Organizational and Personal Experiences of LGBTQ A+ Athletic Trainers in Clinical Practice

Hannah Evans, ATC, Western Carolina University

1:54 p.m. – 2 p.m.

The Impact of the Social Determinants of Health on Athletic Trainer Availability: Economic Stability, Neighborhood and Social/Community Context

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

2 p.m. – 2:06 p.m.

The Impact of Social Determinants of Health on Athletic Trainer Availability: Access and Quality of Education and Health Care

Lindsey Eberman, PhD, ATC, Indiana State University

2:06 p.m. – 2:12 p.m.

Cultural Competence and Race Concordance in Athletic Training

Aubrey Bayer, MS, AT, Ohio University

2:12 p.m. – 2:18 p.m.

Fundamental Movement Skills Vary Between Children of Different Races  
Emma Zuk, ATC, University of Connecticut

2:18 p.m. – 2:24 p.m.

Perceptions of Microaggressions in Athletic Training Clinical Practice  
Karlita Warren, PhD, ATC, Keck Graduate Institute

2:24 p.m. – 3 p.m.

Medical Deserts and Athletic Training Services in Secondary Schools Across the U.S.  
Ayami Yoshihara, MS, LAT, ATC, Korey Stringer Institute

### **Who, What, Where and When Working as an Athletic Trainer, (I, II, IV, V)**

1:30 p.m. - 1:36 p.m.

Differences in Work-Family Conflict and Work-Family Guilt Based on Employment Factors of Collegiate Athletic Trainers  
Kelsey Rynkiewicz, MS, LAT, ATC, University of Connecticut

1:36 p.m. - 1:42 p.m.

Use of Region-Specific Patient-Reported Outcome Measures by Athletic Trainers  
Brian Bobier, MEd, ATC, A.T. Still University

1:42 p.m. - 1:48 p.m.

Defining Athletic Training in the Public Safety Job Setting  
Diana Bocklund, DAT, ATC, Indiana State University

1:48 p.m. - 1:54 p.m.

Lived Experiences of Small Business Athletic Trainers  
Kimberly Montez, ATC, Indiana State University

1:54 p.m. – 2 p.m.

Collegiate Athletic Trainers' and Student-Athletes Collaborative Management of Mental Health Conditions  
Rylee Learn, ATC, University of South Carolina

2 p.m. – 2:06 p.m.

Parent Perceptions of Athletic Trainers in the Secondary School Setting  
Rebecca Natoli, University of Lynchburg

2:06 p.m. – 2:12 p.m.

Experiences of Athletic Trainers in Tactical Athlete Settings When Managing Mental Health Conditions  
Amy Loveless, ATC, University of South Carolina

2:12 p.m. – 2:18 p.m.

Awareness of Best Practices Among Athletic Trainers in Secondary Schools  
Lindsay DiStefano, PhD, ATC, University of Connecticut

**3:55 p.m. – 4:50 p.m.**

**Concussion: What Are the Risks?, (I, II, IV)**

3:55 p.m. – 4:01 p.m.

Johna Register Mihalik, PhD, ATC, University of North Carolina at Chapel Hill

4:01 p.m. – 4:07 p.m.

Risk of Upper Extremity Musculoskeletal Injury Within the First Year Following Concussion

Megan Houston, PhD, ATC, Keller Army Community Hospital

4:07 p.m. – 4:13 p.m.

Premorbid Migraine Negatively Impacts Baseline Concussion Measures in Collegiate Student-Athletes

Karlee Burns, MS, LAT, ATC, Temple University

4:13 p.m. – 4:19 p.m.

Changes in Head Impact Exposure Through the Duration of a High School Football Game

Erik Swartz, PhD, ATC, FNATA, University of Massachusetts at Lowell

4:19 p.m. – 4:25 p.m.

Investigating the Associations of Concussion History and Repetitive Head Impact Exposures With BESS

Test Performance, Sensorimotor Cortex Structure and Function in Former Football Players

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

4:25 p.m. – 4:31 p.m.

Girls' Middle School Soccer Athletes Have Greater Rate of Concussion and Longer Recovery Than Boys

Patricia Kelshaw, PhD, ATC, University of New Hampshire

4:31 p.m. – 4:37 p.m.

A Qualitative Study of Factors and Perceptions Impacting Concussion Care Among Collegiate Club Sport Athletes

Brittany Ingram, MA, LAT, ATC, Matthew Gfeller Center

4:37 p.m. – 4:43 p.m.

Increased Risk of Sport Concussion Following a Lower Extremity Injury in Division I Collegiate Athletes

Madison Brna, University of Virginia

4:43p.m. – 4:49p.m.

Symptom Profiles Do Not Correlate With Driving Performance in Athletes Post-Concussion

Taylor Langon, MS, LAT, ATC, University of Georgia

**THURSDAY, JUNE 30**

**8:55 a.m.- 9:50 a.m.**

**Preparing for the Worst: Prevention and Impact of Catastrophic Injury, (I, III, IV, V)**

8:55 a.m. – 9:01 a.m.

Samantha Scarneo-Miller, PhD, LAT, ATC, West Virginia State University

9:01 a.m. – 9:07 a.m.

Written Policy Adoption for Emergency Preparedness and Environmental Injuries in West Virginia High Schools

Charles McCool, West Virginia University

9:07 a.m. – 9:13 a.m.

Information Seeking in Athletic Trainers Related to Exertional Heat Illness – A Qualitative Exploration

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

9:13 a.m. – 9:19 a.m.

Prevalence of Legal Proceedings Following Traumatic Injury Sudden Death in Athletes

Courtney Meyer, MS, ATC, University of South Carolina

9:19 a.m. – 9:25 a.m.

Prevalence of Legal Proceedings in Exertional/Medical Causes of Sport-Related Sudden Death

Susan Yeargin, PhD, ATC, University of South Carolina

9:25 a.m. – 9:31 a.m.

Analysis of High School and College American Football Deaths by Player Position

Rebecca Stearns, PhD, ATC, Korey Stringer Institute

9:31 a.m. – 9:37 a.m.

Impact and Experiences Relative to Critical Incidents and Critical Incident Stress Management

Peggy Haller, LAT, ATC, Indiana State University

9:37 a.m. – 9:43 a.m.

Multi-Sport Athlete Return to Participation Following Transmetatarsal Amputation

Alexis Branham, Purdue University

9:43 a.m. – 9:49 a.m.

Epidemiology of Catastrophic Head and Cervical Spine Injuries in High School and College Football 2000/01 Through 2019/20

Kristen Kucera, PhD, LAT, ATC, University of North Carolina at Chapel Hill

### **Musculoskeletal Case Studies, (I, II, IV)**

8:55 a.m. – 9:01 a.m.

Jennifer Medina McKeon, PhD, ATC, CSCS, Ithaca College

9:01 a.m. – 9:07 a.m.

Non-Contact Midshaft Femur Fracture in a Healthy College Athlete: A Type 3 Case Study

Emily Dochterman, Moravian University

9:07 a.m. – 9:13 a.m.

Non-Contact Acute Cervical Radiculopathy and Rapid Progressive Weakness in a Recreational Golfer: Type 4 Case Study

Abigail Solis, ATC, The Steadman Clinic

9:13 a.m. – 9:19 a.m.

Treating Bilateral Osteochondritis Dissecans in the Adolescent Athlete's Knee: Type 1 Case Study

Kaitlin Mast, MAEd, LAT, ATC, Duquesne University

9:19 a.m. – 9:25 a.m.

A Great Toe Injury in a High School Girls' Soccer Player

David Jacobs, ATC, University of Kentucky

9:25 a.m. – 9:31 a.m.

Prospective Validation for Risk Factors of Medial Tibial Stress Syndrome in Active Adolescents: A Type 1 Validation Case Series

Daniel Delgado, LAT, ATC, Indiana State University

9:31 a.m. – 9:37 a.m.

A Case of a Salter Harris IV Knee Injury in a High School Basketball Player: A Type 4 Rare Events Case Study

Joshua Owen, MHS, LAT, ATC, Mission Sports Medicine

9:37 a.m. – 9:43 a.m.

Taking Care of Knee's: A Level 3 Case Study on Whole Patient Care

Madelynn Alyea, Appalachian State University

**10:20 a.m. – 11:15 a.m.**

**Who is Affected? Epidemiology in Sports Medicine, (I)**

10:20 a.m. – 10:26 a.m.

Zachary Kerr, PhD, MPH, MA, University of North Carolina at Chapel Hill

10:26 a.m. – 10:32 a.m.

Epidemiology of Wrestling-Related Injuries Treated in U.S. Emergency Departments, 2007-20

Gabriella Cimino, MS, LAT, ATC, A.T. Still University

10:32 a.m. – 10:38 a.m.

Health Care Utilization in Collegiate Student Athletes for Acute, Overuse, Time-Loss and Non-Time-Loss Upper Extremity Injuries

Cathleen Brown Crowell, PhD, ATC, Oregon State University

10:38 a.m. – 10:44 a.m.

Descriptive Epidemiology and Health Care Utilization Related to Musculotendinous Injuries in Collegiate Student Athletes

Michael Soucy, MS, Oregon State University

10:44 a.m. – 10:50 a.m.

Time to Return-to-Play for Non-Surgical Upper Extremity Injuries in High School Athletes

Autumn Whitson, PhD, ATC, Eastern Kentucky University

10:50 a.m. – 10:56 a.m.

COVID-19 Infection Characteristics and Control Policies in U.S. Secondary School Athletic Programs: A Report From the National High School Sports-Related Injury Surveillance Study

Hannah Robison, ATC, Datalys Center for Sports Injury Research and Prevention

10:56 a.m. – 11:02 a.m.

Impact of COVID-19 on Incidence of Sport-Related Concussion in High School Athletes from the State of Michigan

Alyssa Pollard-McGrandy, MS, LAT, ATC, Michigan State University

11:02 a.m. – 11:08 a.m.

Middle School Wrestling Concussion Rates and Mechanisms

Salvatore Ferranti, ATC, George Mason University

11:08 a.m. – 11:14 a.m.

Epidemiology of Injuries in Middle School Boys Basketball

Elizabeth Washington, LAT, ATC, George Mason University

### **Therapeutic Interventions, (I, II, IV)**

10:20 a.m. – 10:26 a.m.

Efficacy of Instrument-Assisted Soft Tissue Mobilization for the Treatment of Ankle Pathology: A Systematic Review with Meta-Analysis

Cynthia Wright, PhD, ATC, OTC, Whitworth University

10:26 a.m. – 10:32 a.m.

Synchronized Core Muscle Thickness and Activation Changes During the Prone Bridge Plank: Agreement Between M-Mode Ultrasound and Electromyography

Luk Devorski, MS, ATC, University of Central Florida

10:32 a.m. – 10:38 a.m.

Experiences and Outcomes of Complementary and Integrative Health Use by Athletic Trainers in the U.S.

Katherine Cantlebury, LAT, ATC, Indiana State University

10:38 a.m. – 10:44 a.m.

Cupping Therapy: Clinical Usage, Application Procedures and Perceived Effectiveness by Health Care Professionals

Stephanie Stephens, MS, LAT, ATC, University of Virginia

10:44 a.m. – 10:50 a.m.

The Effect of Proprioceptive Neuromuscular Facilitation and Dynamic Stretching on Range-of-Motion, Vertical Jump Performance and Dynamic Balance

Yuta Ozawa, Weber State University

10:50 a.m. – 10:56 a.m.

Acute Alterations in Neuromuscular Function Induced by Aquatic Exercise

Youngwook Kim, PhD, ATC, Utah State University

10:56 a.m. – 11:02 a.m.

Photobiomodulation Therapy for Thigh Contusion and Soft Tissue Injury: A Randomized Controlled Trial

Aaron Wells, PhD, LAT, ATC, Brigham Young University

11:02 a.m. – 11:08 a.m.

Transverse Abdominis Activity in Healthy, Active Adults During Therapeutic Exercises  
Katie Rosenthal, MS, AT, ATC, University of Toledo

11:08 a.m. – 11:14 a.m.

The Use of Active Video Games as a Therapeutic Rehabilitation Tool, Part 2: Athletic Trainers' Perspective

Sabrina Deans, PhD, ATC, Sierra College

**11:45 a.m. – 12:40 p.m.**

**Prevention and Treatment of Upper Extremity Injury, (I, II, III, IV)**

11:45 a.m. – 11:51 a.m.

Lori Michener, PhD, PT, ATC, University of Southern California

11:51 a.m. – 11:57 a.m.

Specialization, Pitch Smart Compliance and Long-Term Throwing Arm Health in College Baseball Players  
Samuel Wilkins, PhD, LAT, ATC, University of Nebraska at Omaha

11:57 a.m. – 12:03 p.m.

A Comparison of Electromyography Activity During Exercises Targeting Scapulothoracic Muscles  
Samantha Figueroa, Seton Hall University

12:03 p.m. – 12:09 p.m.

A Descriptive EMG Study of Two Novel Ground-Based Exercises Used for Scapular Stability  
Richard Boergers, PhD, ATC, Seton Hall University

12:09 p.m. – 12:15 p.m.

Lower Trunk Rotation Strength Is Associated With Early Trunk Rotation in High School and Collegiate Baseball Pitchers

Sakiko Oyama, PhD, ATC, University of Texas at San Antonio

12:15 p.m. – 12:21 p.m.

Geographical Differences in Sport Specialization Rates of High School Baseball Players  
Aaron Struminger, PhD, ATC, Eastern Michigan University

12:21 p.m. – 12:27 p.m.

Determining the Effects of Pitching Volume and Fatigue on Self-Reported Pain and Injury in High School Softball Pitchers

Jessica Emlich-Jochum, PhD, ATC, University of Indianapolis

12:27 p.m. – 12:33 p.m.

The Chronic Adaptation of the Coracohumeral Space in Baseball Pitchers  
Matthew Schofield, MS, LAT, ATC, Campbell University

12:33 p.m. – 12:39 p.m.

Baseball Pitching: Effects on the Ulnar Collateral Ligament and Ulna-Humeral Joint  
Lori Michener, PhD, PT, ATC, University of Southern California



## **Neural Plasticity in Injury and Rehabilitation, (I, II, IV)**

11:45 a.m. – 11:51 a.m.

Immediate and Retention Effects of Auditory Biofeedback Gait Training on Biomechanics and Talar Cartilage Characteristics in Chronic Ankle Instability  
Danielle Torp, PhD, ATC, University of Kentucky

11:51 a.m. – 11:57 a.m.

Two-Week Plantar Massage but Not Ankle Joint Mobilization Intervention Reduces Visual Reliance in Those With Chronic Ankle Instability  
Erik Wikstrom, PhD, ATC, University of North Carolina at Chapel Hill

11:57 a.m. – 12:03 p.m.

Sensory Reweighting System Differences on Vestibular Feedback With Increased Task Complexity in Individuals With Chronic Ankle Instability Compared to Healthy Controls  
Yuki Sugimoto, PhD, LAT, ATC, Northwestern University

12:03 p.m. – 12:09 p.m.

Within-Session and Between-Session Effects of Auditory Biofeedback Gait Training on Biomechanics in Patients With Chronic Ankle Instability  
Luke Donovan, PhD, ATC, University of North Carolina at Charlotte

12:09 p.m. – 12:15 p.m.

The Relationship Between Constructs of Health-Related Quality of Life and Lower Extremity Visuomotor Reaction Time in Females With History of Lateral Ankle Sprain  
Katherine Bain, LAT, ATC, PT, Shenandoah University

12:15 p.m. – 12:21 p.m.

Vestibular and Visual Sensory Integration During Static Postural Control in Athletes With and Without Ankle Sprain History  
Kyeongtak Song, PhD, ATC, University of Kentucky

12:21 p.m. – 12:27 p.m.

No Differences in Lower Extremity Visuomotor Reaction Time Between Patients With Contact and Non-Contact ACL Injuries  
Elaine Reiche, MS, LAT, ATC, Michigan State University

12:27 p.m. – 12:33 p.m.

Isolated Hamstring Fatigue Does Not Improve Quadriceps Activation in Individuals With Anterior Cruciate Ligament Reconstruction  
Justin Rush, MS, ATC, University of Toledo

12:33 p.m. – 12:39 p.m.

Quadriceps Motor Unit Behavior After Anterior Cruciate Ligament Reconstruction  
David Sherman, DPT, ATC, University of Toledo

12:39 p.m. – 12:45 p.m.

Upper Extremity Neuromuscular Function Can Discriminate Between Individuals With and Without Glenohumeral Labral Repair

Katsumi Takeno, PhD, ATC, CSCS, University of North Georgia

## **FRIDAY, July 1**

**10:20 a.m. – 11:15 a.m.**

### **What Are Our Patients Telling Us? Lower Extremity Symptoms, Psychology and Quality of Life, (I, II, IV)**

10:20 a.m. – 10:26 a.m.

Janet Simon, PhD, ATC, Ohio University

10:26 a.m. – 10:32 a.m.

Chronic Ankle Instability Individuals With Pain Have Worse Health-Related Quality-of-Life Than Those Without Pain

Kyle Kosik, PhD, ATC, University of Kentucky

10:32 a.m. – 10:38 a.m.

Adolescents and Adults Experience Different Psychological Response to Injury Five Months After ACL Reconstruction

Christopher Kuenze, PhD, ATC, Michigan State University

10:38 a.m. – 10:44 a.m.

A Comparison of Return-to-Play Outcomes Following Anterior Cruciate Ligament Reconstruction Between Patients Tested Before and During the COVID-19 Pandemic

Kevin Cross, PhD, ATC, PT, University of Virginia

10:44 a.m. – 10:50 a.m.

Psychosocial Factors Differ Between Women With Patellofemoral Pain Who Display Central Sensitization Versus Typical Pain Regulation

Jennifer Earl-Boehm, PhD, ATC, FNATA, University of Wisconsin at Milwaukee

10:50 a.m. – 10:56 a.m.

Influence of Graft Site and Meniscal Involvement on Return-to-Sport Outcomes Six Months After ACL Reconstruction

Casey Moler, DPT, ATC, University of Virginia

10:56 a.m. – 11:02 a.m.

The Relationship Between Pain Catastrophizing and Reaction Time in Individuals With ACL Reconstruction

Francesca Genoese, MS, ATC, CES, Michigan State University

11:02 a.m. – 11:08 a.m.

Perceived Instability, Pain and Psychological Factors Predict Function and Disability in Individuals With Chronic Ankle Instability

Ashley Suttmilller, PhD, ATC, Atlantic Orthopaedic Specialists

11:08 a.m. – 11:14 a.m.

The Majority of Individuals Meet Criteria for Early Knee Osteoarthritis Symptoms Throughout the First Two Years Post-ACL Reconstruction  
Francesca Genoese, MS, ATC, CES, Michigan State University

**Clinical Measures of Concussion, (I, II, IV, V)**

10:20 a.m. – 10:26 a.m.  
Rob Lynall, PhD, LAT, ATC, University of Georgia

10:26 a.m. – 10:32 a.m.  
Factors Influencing a Clinically Feasible, Functional Reaction Time Battery: The Standardized Assessment of Reaction  
Landon Lempke, PhD, LAT, ATC, Boston Children's Hospital

10:32 a.m. – 10:38 a.m.  
Publicly Available Return-to-Learn Protocols Among National Collegiate Athletic Association Division I Universities  
Carly Beck, Missouri State University

10:38 a.m. – 10:44 a.m.  
Evaluating the Implementation of the Concussion Awareness Training Tool for High-Performance Athletes Using the RE-AIM Framework  
Amanda Black, PhD, CAT(C), University of Calgary

10:44 a.m. – 10:50 a.m.  
Greater Mild Traumatic Brain Injury Lifetime Incidence is Associated With Lower Brain Network Resilience But Not Efficiency in Special Operations Forces Combat Soldiers  
Jacob Powell, MS, ATC, University of North Carolina at Chapel Hill

10:50 a.m. – 10:56 a.m.  
Reliability of a Novel Concussion Documentation Audit Tool  
Casandra Lammers, MS, LAT, ATC, New Hampshire Musculoskeletal Institute

10:56 a.m. – 11:02a .m.  
A Summary Representation of Baseline Sensory Organization Test Measures in Healthy Elite Athletes  
Logan Ninos, Ithaca College

11:02 a.m. – 11:08 a.m.  
Anxiety Influences Concussion Assessment Scores at Baseline in Division-I Collegiate Athletes  
Carolina Quintana, PhD, ATC, California State University, Fresno

11:08 a.m. – 11:14 a.m.  
Functional Reaction Time Is Not Different Among Young Adults with a Recent Concussion, Lower Extremity Injury and No Recent Injury  
Rachel Johnson, MS, LAT, ATC, University of Georgia

**11:45 a.m. – 12:40 p.m.**

**Concussion: Optimizing Recovery**

11:45 a.m. – 11:51 a.m.

Julianne Schmidt, PhD, LAT, ATC, University of Georgia

11:51 a.m. – 11:57 a.m.

Mapping Adolescent Athletes' Perceptions of Activity Limitations Following Sport-Related Concussion to the International Classification of Functioning, Disability and Health

Tamara Valovich McLeod, PhD, ATC, FNATA, A.T. Still University

11:57 a.m. – 12:03 p.m.

Development of the Post-Concussion Collegiate Return-to-Learn Protocol Using a Modified Delphi Approach

Allyssa Memmini, MS, ATC, University of Michigan

12:03 p.m. – 12:09 p.m.

Factors Associated With Return to Normal Academic Performance Post-Concussion in U.S. Service Academy Cadets and Midshipmen

Jeremy Ross, ATC, Keller Army Community Hospital

12:09 p.m. – 12:15 p.m.

The Relationship Between Neurocognition and Single- and Dual-Task Tandem Gait Among Collegiate Student-Athletes

Eric Shumski, University of Georgia

12:15 p.m. – 12:21 p.m.

The Influence of Depression Symptoms on Recovery From Concussion in Collegiate Athletes

Katerina Nastea, University of Virginia

12:21 p.m. – 12:27 p.m.

Attention Deficit Hyperactivity Disorder Does Not Influence the Recovery of Collegiate Athletes Diagnosed With a Sport Concussion

Kimberlie Scales, MS, ATC, University of Virginia

12:27 p.m. – 12:33 p.m.

Assessing Time-to-Symptom Resolution Among Collegiate Student-Athletes With Delayed Injury-Reporting Following Concussion

Abigail Bretzin, PhD, ATC, University of Pennsylvania

**General Medicine, (I, II)**

11:45 a.m. – 11:51 a.m.

Group G Streptococcal Infection in the Tibiofemoral Joint of a Collegiate Football Player

Diana Gallegos, MS, University of Texas at Tyler

11:51 a.m. – 11:57 a.m.

Upper Extremity Deep Vein Thrombosis in a High School Male Football Player

Gianna Jacobelli, William Paterson University

11:57 a.m. – 12:03 p.m.

A Qualitative Report of the Perceptions of the COVID-19 Pandemic From Collegiate Student-Athletes

Dylan Rowe, SCAT, ATC, University of South Carolina

12:03 p.m. – 12:09 p.m.

IGF-I, Vitamin D and C-Reactive Protein Biomarkers Related to Current Musculoskeletal Conditions

Kaitlin Lyons, PhD, ATC, Consortium for Health and Military Performance

12:09 p.m. – 12:15 p.m.

Pain Interference Is Affected by Self-Reported Resilience in Service Members

Sarah de la Motte, PhD, ATC, Consortium for Health and Military Performance

12:15 p.m. – 12:21 p.m.

Knowledge, Attitudes and Comfort With Sexual Health Following a Multi-Modal Educational Intervention

Spencer Connell, DAT, ATC, ATI Worksite Solutions

12:21 p.m. – 12:27 p.m.

Pneumothorax Caused by Soccer Ball Collision in a Secondary School Athlete: A Case Study

Eric Schwartz, DAT, LAT, ATC, Washington Township Public School District

12:27 p.m. – 12:33 p.m.

Understanding the Help-Seeking Behaviors of Student-Athletes: Effect of a Multidisciplinary Health Care Team and the Perception of Barriers and Facilitators for Seeking Help

Lauren Sander, LAT, ATC, James Madison University

12:33 p.m. – 12:39 p.m.

Reduced Ejection Fraction in a Collegiate Basketball Player Following COVID-19

Jacob Clark, MSAT, University of Texas at Tyler

**1:10 p.m. – 2:05 p.m.**

**How Did They Do That? Lower Extremity Muscle and Biomechanics, (I, II, IV)**

1:10 p.m. – 1:16 p.m.

Ankle Kinematics During A Drop-Vertical Jump In Patients With Chronic Ankle Instability and Healthy Controls: A Bivariate Confidence Interval Comparison

Katlyn Shank, MEd, ATC, CCRP, Northern Kentucky University

1:16 p.m. – 1:22 p.m.

Between-Limb Differences in Sagittal Plane Gait Biomechanics Are Exacerbated During Treadmill Walking in Individuals With ACL Reconstruction

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

1:22 p.m. – 1:28 p.m.

Higher Vertical Impulse Variability During Walking in Those With Chronic Ankle Instability

Jaeho Jang, ATC, University of North Carolina at Chapel Hill

1:28 p.m. – 1:34 p.m.

Sural Nerve Reflexes During a Drop Landing Task in Subjects With and Without Chronic Ankle Instability  
Nicole Heimark, ATC, Indiana University

1:34 p.m. – 1:40 p.m.

Restoration of Pre-Injury Single Leg Hop Performance Improves Patient-Reported Outcomes After Lateral Ankle Sprain

Amber Schnittjer, MS, AT, Ohio University

1:40 p.m. – 1:46 p.m.

Frontal Plane Landing Strategies Differ Between Limbs During a Cross-Over Triple Hop in ACL Reconstructed Females

Colin Mulligan, MA, ATC, Oregon State University

1:46 p.m. – 1:52 p.m.

Changes in Quadriceps Muscle Quality Over the First Three Months Following Anterior Cruciate Ligament Reconstruction

Christopher Johnston, PhD, High Point University

1:52 p.m. – 1:58 p.m.

Knee Extensor Force Velocity Relationship is Altered in Patients Recovering From ACL-R

Xavier Thompson, MS, ATC, University of Virginia

1:58 p.m. – 2:04 p.m.

Strength Differences in Injured and Healthy Limbs at Four Months and Nine Months Post-ACL Reconstruction

Madison Sehmer, MAT, LAT, ATC, University of Wisconsin at Madison

### **Prevention, (I, IV)**

1:10 p.m. – 1:16 p.m.

Financial Impact of Embedded Injury Prevention Experts in U.S. Army Initial Entry Training

Daniel Clifton, PhD, ATC, Consortium for Health and Military Performance

1:16 p.m. – 1:22 p.m.

Prevention of Ankle Sprains in Collegiate Football Players Using Balance Training and Hip Strengthening

Phillip Gribble, PhD, ATC, FNATA, University of Kentucky

1:22 p.m. – 1:28 p.m.

A Mindfulness Breathing Exercise Program Improves Dynamic Postural Control in Collegiate Soccer Athletes With a History of Lateral Ankle Sprain

Kenta Mizumoto, Ritsumeikan University

1:28 p.m. – 1:34 p.m.

A Six-Week Diaphragmatic Breathing Exercise Program Improves Diaphragm Function and Breathing Patterns in Collegiate Soccer Players With Lateral Ankle Sprain History

Masafumi Terada, PhD, ATC, Ritsumeikan University

1:34 p.m. – 1:40 p.m.

Action-Observation Brain Activity Associate With Kinesiophobia After Anterior Cruciate Ligament Reconstruction

HoWon Kim, MS, AT, Ohio University

1:40 p.m. – 1:46 p.m.

Effectiveness of a Framework to Disseminate and Implement Preventive Training Programs in Youth Basketball

Lauren Sheldon, MS, ATC, University of Connecticut

1:46 p.m. – 1:52 p.m.

Quantifying Changes in Collegiate Volleyball Training Throughout the COVID-19 Pandemic Via Wearable Technology

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

1:52 p.m. – 1:58 p.m.

Sensor-Based Gait-Training To Reduce Contact Time for Runners With Exercise-Related Lower Leg Pain: A Randomized Controlled Trial

Alexandra DeJong Lempke, PhD, ATC, Boston Children's Hospital

1:58 p.m. – 2:04 p.m.

Does Treatment Provided for Lateral Ankle Sprains Differ Between Patients With Recurrent and First-Time Injuries? A Report from the Athletic Training Practice-Based Research Network

Ashley Marshall, PhD, ATC, Appalachian State University