

2019 NATA Convention Final Program

Themes for 2019



MONDAY, JUNE 24, 2019

Advanced Tracks, 8:00a.m. - 12:00p.m.

Using Dry Needling to Treat Neuropathy in Sports, (I, II, IV), Advanced Edo Zylstra, PT, DPT, OCS, KinetaCore Paul Killoren, PT, DPT, KinetaCore

Joint Dislocations-Evaluation and Acute Management, (II, III), Essential Mark Conroy, MD, CAQ-SM, Ohio State University Medical Center Ryan McGrath, MD, Ohio State University Medical Center Bryant Walrod, MD, CAQ-SM, Ohio State University Athletic Department

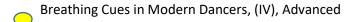
Advanced Tracks, 8:00a.m. - 3:00p.m.

Advanced Functional Cast Therapy for Orthopedic Injuries, (IV), Advanced Katherine Bagnato, LAT, ATC, OTC, BSN Medical

Care and Suturing of Minor Skin Wounds, (II), Essential Adam Cady, MHS, ATC, CSCS, Kerlan-Jobe Orthopaedic Clinic Leslie Cardoza, MPAP, PA-C, ATC, Brea Urgent Care Leah Dvorkin, MS, PA-C, ATC, The Steadman Clinic

Minicourses, 3:00p.m. - 4:00p.m.

Clinical Decision Making of the Rodeo Athletic Trainer, (I, II, III), Advanced Tyler Oberlander, MS, LAT, ATC, Great Plains Health-Sports Medicine



Katie Moos, MS, LAT, ATC, U.S. Military Academy

Musculoskeletal Ultrasound as a Clinical Evaluation Tool, (II), Advanced Jennifer Ostrowski, PhD, LAT, ATC, Moravian College

Minicourses, 4:15p.m. - 5:15p.m.

Rodeo Sports Medicine-Illustrative Cases and Discussion Points, (I, II, III), Advanced Nathan Jacobson, MD, Great Plains Health-Sports Medicine

A Pathoanatomical Paradigm for Iliotibial Band Pathology: A Synthesis of Evidence, (I, II, IV), Advanced Paul Geisler, EdD, ATC, Ithaca College

Chronic Unusual Pain Syndromes, (I, IV), Advanced David Priebe, MD, Lexington Regional Medical Center

Minicourses, 5:30p.m. - 6:30p.m.

Preventing Knee Injuries and Optimizing Long Term Joint Health, (I, II, IV), Advanced Terry Grindstaff, PhD, PT, ATC, Creighton University

Facts and Fables About Exercise-Associated Muscle Cramps, (I, II, IV), Advanced Kevin Miller, PhD, AT, ATC, Central Michigan University

TUESDAY, JUNE 25, 2019

Best Practice Forum, 7:30a.m. - 8:30a.m.

Head Impacts and Neck Workload: Applications in Military, Fast Jet Pilots, and Athletes, (I, II, IV), Advanced

Jeremy Witchalls, PhD, University of Canberra
Jason Mihalik, PhD, CAT(C), ATC, University of North Carolina at Chapel Hill

Dance Injuries: Biomechanics, Screening Tools and Treatments, (I, II, IV), Essential Jatin Ambegaonkar, DAT, ATC, George Mason University Jena Hansen-Honeycutt, DAT, ATC, George Mason University

Peer-to-Peer, 7:30a.m. - 8:30a.m.

You Are in the Position to Contribute! Give Your Thoughts on New Directions for the NATA Position Statements, (V), Essential
Jennifer Medina McKeon, PhD, ATC, CSCS, Ithaca College
Linsday DiStefano, PhD, ATC, University of Connecticut

Special Topics, 7:30a.m. - 8:30a.m.

Exercise-Related Respiratory Conditions: Sorting Through the Differential Diagnoses, (II, III, IV), Advanced

Kitty Newsham, PhD, ATC, Saint Louis University

Legal, Ethical, and Education Issues Related to Anti-Doping Movement, (V), Essential Kenneth Wright, DA, ATRet, University of Alabama

Commonly Misdiagnosed Injuries in the Pediatric/Adolescent Population, (II), Essential Tanner Flatland, MS, LAT, Children's Hospital of Wisconsin

Free Communication Oral Presentations, 7:30a.m. - 9:00a.m.

Soft Tissue Mobilization And Myofascial Release

Treatment Order and Retention of Myofascial Release and Static Stretching on Hip Flexion Range of Motion

7:30a.m. - 7:45a.m.

Blaine Long, PhD, AT, ATC, Central Michigan University

Assessing the Effectiveness of Soft Tissue Mobilization on Pain, Point Tenderness and ROM in Physically Active Individuals with Muscle Soreness

7:45a.m. - 8:00a.m.

Kelly Harrison, PhD, LAT, ATC, East Stroudsburg University

Acute Effects of Instrument Assisted Soft Tissue Mobilization, Foam Rolling and Static Stretching on Hamstring and Quadriceps Flexibility

8:00a.m. - 8:15a.m.

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

Does a Light Pressure Instrument Assisted Soft Tissue Mobilization Technique Modulate Tactile Discrimination and Pressure Pain Threshold In Healthy Individuals with Delayed Onset of Muscle Soreness?

8:15a.m. - 8:30a.m.

Scott Cheatham, PhD, DPT, ATC, CSU Dominguez Hills

The Acute and Residual Effects of IASTM and Roller Massage Stick on Hamstring Active Range of Motion 8:30a.m. - 8:45a.m.

Johnny Lee, Weber State University

Effects of Dynamic Warm-Up Paired with IASTM Technique on Quadriceps ROM and Vertical Jump Performance

8:45a.m. - 9:00a.m.

Mackenzie Popp, Whitworth University

Sessions, 7:30a.m. - 9:30a.m.

Advancing Clinical Practice Through Educational Quality Assurance, (V), Essential Presented by the Commission on Accreditation of Athletic Training Education Advancing Clinical Practice Through Educational Quality Assurance: Building a Foundation LesLee Taylor, PhD, LAT, ATC, Texas Tech University Health Sciences Center

Advancing Clinical Practice Through Educational Quality Assurance: Development of Clinical Specialists Eric Sauers, PhD, ATC, FNATA, A.T. Still University

Effective Communication Strategies to Engage Your Stakeholders, (V), Essential Presented by the NATA State Association Advisory Committee Working Together to Achieve Consistent "Internal" Communication David Csillan, MS, ATC, Ewing High School

Best Practices for External Communication of Information: Part I Laura Harris, PhD, LAT, ATC, Ohio University

Best Practices for External Communication of Information: Part II Scott Lawrance, DHSc, ATC, MSPT, Purdue University

Feature Presentation, 7:30a.m. - 9:30a.m.

Interdisciplinary Teams Working with Military Athletes, (I, II, IV), Essential Randall Lazicki, PT, DPT, ATC, U.S. Army Special Operations Command Terry Dewitt, PhD, ATC, EP-C, Ouachita Baptist University JoEllen Sefton, PhD, ATC, Auburn University

Sexual Harassment and Its Impact on Athletic Training, (V), Essential What is Sexual Harassment and Why Should We Care? Dani Moffit, PhD, LAT, ATC, Idaho State University

Athletic Trainer's Role of Reporting Anne Russ, PhD, LAT, ATC, Temple University

Reducing the Risk of Sexual Harassment: Best Practices for Athletic Trainers Jamie Mansell, PhD, LAT, ATC, Temple University

Learning Lab, 7:30a.m. - 9:30a.m.

- Improving Shoulder Range of Motion: Instrament-Assissted Soft Tissue Mobilization Techniques for Increasing Functional Ability, (II, IV), Advanced John Vardiman, PhD, ATC, Kansas State University
- Unique Spinal Injury Management, (I, III), Advanced Edward Strapp, TPc, FPc, ATC, Maryland State Police

Free Communication Oral Presentations, 8:00a.m. - 9:00a.m.

Master's Oral Award Finalist

The Relationship Between Injury-Related Fear and Visuomotor Reaction Time in Individuals After Anterior Cruciate Ligament Reconstruction

8:00a.m. - 8:15a.m.

Francesca Genoese, LAT, ATC, CES, University of Kentucky

Sport Sampling Affects LESS Scores and Physical Literacy Competency in Children 8:15a.m. - 8:30a.m.

Zachary Malone, ATC, LAT, University of Connecticut

Experiences of Transgender Athletes in the Athletic Training Setting: A Qualitative Study 8:30a.m. - 8:45a.m.

Emily Munson, AT, Ohio University

The Effect of Exercise on a Novel Dual-Task Assessment for Sport Concussion 8:45a.m. - 9:00a.m.
Juliana Jimenez, ATC, University of Virginia

Special Topic, 8:30a.m. - 9:30a.m.

Chopped: Treatment of Common Conditions by Tapping Into the Body's Reflex System, (II, IV), Advanced Jaime Fulcher, DAT, LAT, ATC, Indiana Wesleyan University

Free Communication Rapid Fire Presentations, 9:00a.m. - 10:15a.m.

Running Mechanics: Clinical And Laboratory Measures

Mirror Gait Retraining on Kinematics in a Healthy Female Runner: A Case Study Victoria Trzyna MS, AT, Ohio University

Navicular Drop in Collegiate Distance Runners Virginia Kyle Johns, University of Lynchburg

Runners with Exercise-Related Lower Leg Pain Exhibit Increased Contact Time and Strength Deficits Rachel Koldenhoven Rolfe, Med, ATC, University of Virginia

Expanded Pain Sensitivity and Altered Bilateral Kinematics in Runners with Iliotibial Band Syndrome Karrie Hamstra-Wright, PhD, ATC, CHWC, University of Illinois at Chicago

Investigating Hip and Trunk Kinematic and Strength Differences Between Those with a History of Exertional Medial Tibial Pain and Healthy Controls Allison Hocking, MS, ATC, University of Wisconsin at Milwaukee

Effects of a 4-Week Short Foot Exercise Progam on Running Kinetics in Recreational Runners Marisa Castaneda, MS, ATC, University of Wisconsin at Lacrosse

Treadmill Versus Outdoor Running: Prediction Using a Random Forest Classifier on Biomechanical Measures of 181,909 Steps
Natalie Kramer, MEd, ATC, University of Virginia

Unique Outdoor Running Activities Captured Using Wearable Sensors in Adult Competitive Runners Alexandra Dejong, MEd, ATC, University of Virginia

Athletic Training Student Seminar, 9:00a.m. - 10:00a.m.

Back to the Future, (V), Essential Marjorie Albohm, MS, ATRet, Ossur Americas

Free Communication Oral Presentations, 9:15a.m. - 10:15a.m.

Doctoral Oral Award Finalist

Low Self-Efficacy and Mental Health Disorders Predict Persistent Postoperative Pain 3-Months Following Hip Arthroscopy

9:15a.m. - 9:30a.m.

Kate Jochimsen, PhD, ATC, University of Kentucky

Rationale for a Parsimonious Measure of Subjective Knee Function After ACL Reconstruction: A Rasch Analysis

9:30a.m. - 9:45a.m.

Ryan Duckett, MA, University of Toledo

Challenges Associated with Clinical Immersion in Athletic Training Education: A Report from the Athletic Training Clinical Education Network

9:45a.m. - 10:00a.m.

Sarah Myers, MEd, ATC, University of Connecticut

Virginia Concussion Initiative: Stakeholder Perspectives of Disparities in Concussion Policy Implementation

10:00a.m. - 10:15a.m.

Esther Nolton, MEd, LAT, ATC, George Mason University

Free Communication Oral Presentations, 9:15a.m. - 10:45a.m.

Effective Treatment And Rehabilitative Approaches For Upper Extremity Conditions

Nonsurgical Management of UCL Injuries is Tentatively Successful in Overhead Athletes: A Critical Appraisal of Case Series

9:15a.m. -9:30a.m.

Nathan Oakes, ATC, Ithaca College

Use of a Motus Sleeve During the Care of a Medial Elbow Injury in the High School Baseball Athlete: Level 3 Case Report

9:30a.m. - 9:45a.m.

Joshua Brodersen Matrg, LAT, ATC, TRIA Orthopedics

Instrument Assisted Soft Tissue Mobilization to Improve Shoulder Joint Rotation Range of Motion 9:45a.m. - 10:00a.m.

Robyn Mitchell, University of Lynchburg

Comparison of Instrument-Assisted Soft Tissue Mobilization and Passive Stretching to Improve Glenohumeral Range of Motion and Function 10:00a.m. - 10:15a.m.

Troy Mendenhall, MS, ATC, LAT, Texas State University

Thoracic Outlet Syndrome in a College Volleyball Player 10:15a.m. - 10:30a.m. Patrick Roosta, MS, LAT, ATC, Florida Memorial University

Use of Postural Restoration in Treating Chronic Rotator Cuff Pathology: A Level 3 CASE Study 10:30a.m. - 10:45a.m.

Jacob Waldron, LAT, ATC, University of Nevada at Las Vegas

Best Practice Forum, 10:00a.m. - 11:00a.m.

Examining Adherence to Therapeutic Rehabilitation, (I, II, IV), Essential Jessica Rager, MS, ATC, University of South Carolina Jessica Kirby, MSEd, ATC, Ball State University

Feature Presentation, 10:00a.m. - 11:00a.m.

What Can Influence Your Athletes' Pain? From Placebo to the Biopsychosocial Model to Opioids, (II, IV), Advanced

Expectation Interactions in Rehabilitation Paul Borsa, PhD, ATC, FACSM, University of Florida

The Development of the Biopsychosocial Model for Pain and how it can Influence Injury Rehabilitation Geoff Dover, PhD, CAT(C), ATC, Concordia University

Pharmacological Interventions for Treating Pain: Opioids, NSAIDs and Personalized Medicine Will Hedderson, MS, ATC, CAT(C), University of Central Arkansas

Peer-to-Peer Discussion, 10:00a.m. - 11:00a.m.

How to Handle Sexual Harrassment and Abuse Reports?, (V), Advanced Dani Moffit, PhD, LAT, ATC, Idaho State University Gretchen Schlabach, PhD, ATC, Northern Illnois University

Special Topic, 10:00a.m. - 11:00a.m.

Lower Body Movement Dysfunctions: As They Apply to the Golf Swing, (I, II, IV, V), Advanced Lance Gill, MS, ATC, Lance Gill Performance Inc., Titleist Performance Institute

Putting Data to Work: Leveraging the Power of Clinical Data to Improve Patient Care, (I, II, IV, V), Essential

Kevin Robell, MA, ATC, Preventicx, Inc.

Sessions, 10:00a.m. - 12:00p.m.

Injury Prevention and Physical Performance Training: Best Practices from Militaries Around the World, (I), Advanced

Presented by the NATA International Committee

The Importance of Physical Fitness and Physical Training for Injury Prevention in the Military Joe Knapik, ScD, U.S. Army Research Institute of Environmental Medicine

Integrated Performance Strategies for Improving Resiliency and Durability of Military Personnel Stefan Underwood, CSCS, XPS, EXOS

Use of Military Fitness Tests and Screening Tests to Predict Injury Risk in the Military Jeremy Witchalls, PhD, University of Canberra

Your Best Yes: Embracing a Life of Service and Addressing Barriers to Volunteering, (V), Essential Presented by the NATA Young Professionals' Committee
Kenneth Games, PhD, LAT, ATC, Indiana State University
Jay Sedory, MEd, ATC, EMT-T, U.S. Marine Corps
Kelly Quinlin, MS, ATC, CSCS, Northwest Missouri State University
Marjorie Albohm, MS, ATRet, Ossur Americas

The Doctorate of Athletic Training: What Can We Do With DAT?, (V), Essential *Presented by the NATA Professional Development Committee*Current Status of the DAT Degree as a Pathway for Professional Advancement Gary Wilkerson, EdD, ATC, FNATA, University of Tennessee at Chattanooga

Quality Assurance for the DAT: Is Accreditation the Answer? Christopher Ingersoll, PhD, ATC, FNATA, University of Toledo

Opportunities and Challenges for the DAT in traditional AT Faculty Roles David Perrin, PhD, FNATA, FACSM, University of Utah "Not eligible for CEUs under Category A or D."

Feature Presentation, 10:00a.m. - 12:00p.m.

Regenerative Medicine: What Do We Know about Platelet-rich Plasma and Stem Cells , (IV), Advanced Stephen Esser, MD, Southest Orthopedic Specialists Kelly Ward, PA, ATC, Piedmont Orthopedic Sports Medicine

Learning Lab, 10:00a.m. - 12:00p.m.

Prevention of Movement Patterned Conditions Beyond Competitive Years: Asymmetrical Movement Pattern Considerations, (I, II, IV), Mastery Jason Masek, MA, PT, ATC, Hruska Clinic Treating Physically Active Patients With a Joint Mobilizations as Functional as Them: Mulligan Concept for the Lower Quadrant, (II, IV), Advanced Lucas Bianco, DAT, LAT, ATC, Biokinetix

Athletic Training Student Seminar Breakouts, Round 1, 10:15a.m. - 11:00a.m.

ATSS Breakout 1: Degree Change Panel, (V), Essential Lindsey Eberman, PhD, LAT, ATC, Indiana State University Brandie Martin, MS, ATC, OTC, The Steadman Clinic Mark Merrick, PhD, ATC, FNATA, Ohio State University Russell McKune, ATC, Nebraska Medicine

ATSS Breakout 2: Leadership Development, (V), Essential Scott Lawrance, DHSc, LAT, ATC, Purdue University

ATSS Breakout 3: Branding Yourself, (V), Essential Tory Lindley, MA, ATC, Northwestern University Tim Weston, MEd, ATC, Colby College

ATSS Breakout 4: International Development, (V), Essential Mark Gibson, MSEd, MS, AT, University of Wisconsin at La Crosse

ATSS Breakout 5: Innovations in Patient Care, (V), Essential Mark Coberley, MS, ATC, LAT, Iowa State University

ATSS Breakout 6: Tactical Training Workshop, (V), Essential Edward Strapp, TPc, FPc, ATC, Maryland State Police

Free Communication Rapid Fire Presentations, 10:30a.m. - 11:30a.m.

Employment In The Secondary School Setting For The Athletic Trainer

Facilitators and Influencing Factors to the Use of Athletic Trainers in Secondary Schools Kelly Pagnotta, PhD, LAT, ATC, Jefferson University
The Influence of Median Income on Athletic Trainer Services in Florida Secondary Schools Brandon Baker, University of South Florida

Socioeconomic Status Impacts Athletic Healthcare in Secondary Schools in the Eastern Athletic Trainers' Association

Robert Huggins, PhD, LAT, ATC, Korey Stringer Institute, University of Connecticut

The Landscape of Athletic Training Services in Public and Private Secondary Schools: Student Athletes and Sports Offered

Kelly Coleman, MS, ATC, University of Connecticut

Secondary School Athletic Trainers, Employment Type, Setting and Reported Time Spent on Job-Related Tasks

Erica Filep, MSEd, LAT, ATC, University of Connecticut

The Impact of Athletic Trainers on the Incidence and Management of Concussions in High School Athletes

Timothy McGuine, PhD ATC, University of Wisconsin School of Medicine and Public Health

Influence of Assessor on Arizona Secondary School AMCAT Score David Mesman, DHA, Med, AT, ATC, Grand Canyon University

Free Communication Oral Presentations, 10:30a.m. - 11:45a.m.

Factors Related To Sport Specialization And Injury

Injury History is Associated With Sport Specialization Level in High School Volleyball Athletes 10:30a.m. - 10:45a.m.

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

Sport Sampling Affects LESS Scores and Physical Literacy Competency in Children 10:45a.m. -11:00a.m.

Zachary Malone ATC, LAT, University of Connecticut

Perceptions of Factors Related to Sports Specialization Between Parents and Children 11:00a.m. -11:15a.m.

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

A Comparison of Team Sport Volume Between High School and Club Sport Coaches 11:15a.m. -11:30a.m.

Eric Post, PhD, ATC, San Diego State University

Association Between Level of Sport Specialization Upon Entry to Military Service and Lower Extremity Injury During One Year of Follow-Up at a U.S. Service Academy 11:30a.m. -11:45a.m.

Story Miraldi, ATC, John A. Feagin Jr. Sports Medicine Fellowship, Keller Army Hospital

Special Topic, 11:00a.m. - 12:00p.m.

Social Determinants and Patient Advocacy: New Standards for Athletic Trainers, (II, V), Essential Rene' Shingles, PhD, ATC, Central Michigan University

Abdominal Trauma in Sports

Glenn Barnes, DO, University of Nevada Las Vegas Primary Care Sports Medicine

Feature Presentation, 11:00a.m. - 12:00p.m.



Life After Athletics: Long-Term Considerations for Lower Extremity Injuries, (I, IV), Essential Lindsay DiStefano, PhD, ATC, University of Connecticut Brian Pietrosimone, PhD, ATC, University of North Carolina at Chapel Hill Mark Laursen, MS, ATC, Boston University

Free Communication Oral Presentations, 11:00a.m. - 12:00p.m.

Clinic Education Techniques And Challenges

Challenges Associated with Clinical Immersion in Athletic Training Education: A Report from the Athletic Training Clinical Education Network

11:00a.m. - 11:15a.m.

Sarah Myers, MEd, ATC, University of Connecticut

Student Burnout After a 15-Week Immersive Clinical Experience 11:15a.m. - 11:30a.m. Melissa Snyder, PhD, LAT, ATC, Western Carolina University

Athletic Training Students' Engagement in Interprofessional Education and Practice in the Classroom and During Clinical Education

11:30a.m. - 11:45a.m.

Kirk Armstrong, EdD, ATC, James Madison University

Athletic Training Student Seminar Breakouts, Round 2, 11:15a.m. - 12:00p.m.

ATSS Breakout 1: Degree Change Panel, (V), Essential Lindsey Eberman, PhD, LAT, ATC, Indiana State University Brandie Martin, MS, ATC, OTC, The Steadman Clinic Mark Merrick, PhD, ATC, FNATA, Ohio State University Russell McKune, ATC, Nebraska Medicine ATSS Breakout 2: Leadership Development, (V), Essential Scott Lawrance, DHSc, LAT, ATC, Purdue University

ATSS Breakout 3: Branding Yourself, (V), Essential Tory Lindley, MA, ATC, Northwestern University Tim Weston, MEd, ATC, Colby College

ATSS Breakout 4: International Development, (V), Essential Mark Gibson, MSEd, MS, AT, University of Wisconsin at La Crosse

ATSS Breakout 5: Innovations in Patient Care, (V), Essential Mark Coberley, MS, ATC, LAT, Iowa State University

ATSS Breakout 6: Tactical Training Workshop, (V), Essential Edward Strapp, TPc, FPc, ATC, Maryland State Police

Free Communication Oral Presentations, 11:30a.m. - 12:30p.m.

Ankle Injury Risk Factors

Ankle Injury Risk Screening Tests Do Not Change Over the Course of a Single Season 11:30a.m. - 11:45a.m.

Melanie Mcgrath, PhD, LAT, ATC, University of Montana

Clinical Risk Factors for Recurrent Ankle Injury in Chronic Ankle Instability: A 1-Year Prospective Study 11:45a.m. - 12:00p.m.

S. Jun Son, PhD, ATC, CHA University

The Epidemiology of Ankle Injuries in Middle School Sports, 2015/16-2016/17 Academic Years 12:00p.m. - 12:15p.m.

Shane Caswell, PhD, ATC, CSCS, George Mason University

Return to Play Probabilities by Division After New and Recurrent Lateral Ankle Sprains in Collegiate Men and Women's Basketball

12:15p.m. - 12:30p.m.

Sarah Morris, PhD, Datalys Center for Sports Injury and Prevention

Free Communication Rapid Fire Presentations, 11:45a.m. - 12:30p.m.

Current State Of The Throwing Shoulder

Do Baseball Players with Soft Tissue GIRD Have a Thicker Posterior Capsule? Stephen Thomas, PhD, ATC, Temple University

Long-Term Loss of Motion Following Labral Surgery: A Level 3 Clinical CASE Study Ashlee Myers, Appalachian State University

The Effects of Restricted Glenohumeral Horizontal Adduction Motion on Shoulder and Elbow Kinetics in Collegiate Baseball Pitchers

Kevin Laudner, PhD, ATC, Illinois State University

Acute and Longitudinal Effects of Pitching on Passive Range of Motion in Division I Athletes Jacob Jelmini, MS, CSCS, Texas A&M University

Multiple Day Humeral Rotation Strength Deficits Following a Baseball Pitching Bout in Adolescent Pitchers

Brett Pexa, MA, ATC, University of North Carolina at Chapel Hill

Peer-to-Peer Discussion, 12:45p.m. - 1:45p.m.

Athletic Training and Medical Services at Extreme Sport Events, (III, V), Advanced Christina Saffran, MS, ATC, Hoover High School / Medicine in Motion Mike McKinney, MS, ATC, CSCS, Grand Canyon University

Special Topic, 12:45p.m. - 1:45p.m.

Chronic Hip Injuries and Pathology in Dance, (I, II, IV), Essential
Raena Steffan, MS, LAT, ATC, AllSports Medicine at Johns Hopkins All Children's Hospital

Evidence-Based Acute Wound Management: Challenges and Solutions for Clinical Practice, (II, IV), Advanced

Joel Beam, EdD, LAT, ATC, University of North Florida

Session, 12:45p.m. - 2:45p.m.

Sex and the Athletic Trainer: Talking to Athletes about STIs, (I, II), Essential Presented by the American College Health Association Lori Dewald, EdD, ATC, MCHES, American Public University Cheryl Hug-English, MD, University of Nevada at Reno

Quality Improvement in Athletic Training, (V), Essential Presented by the NATA Professional Education Committee Defining and Measuring Quality Improvement in Athletic Training Eric Sauers, PhD, ATC, FNATA, A.T. Still University

Educational Strategies for Implementing Quality Improvement Alison Snyder-Valier, PhD, ATC, FNATA, A.T. Still University

Quality Improvement in Clinical Education and Practice Environments Amy Valasek, MD, Nationwide Children's Hospital

Feature Presentation, 12:45p.m. - 2:45p.m.

Live Surgeries: Partial and Full Knee Replacements, (), Roddy McGee, MD, Total Sports Medicine & Orthopedics

<u>Learning Lab, 12:45p.m. - 2:45p.m.</u>



Advanced Airway Management: Low Frequency Skill, High Potential of Risk When Not Performed Appropriately, (III), Advanced David Berry, PhD, MHA, ATC, Saginaw Valley State University



Answering Clinical Questions, (II, IV), Essential Liz Drake, EdD, ATC, Gustavus Adolphus College

Special Topic, 1:45p.m. - 2:45p.m.

Baseball/Softball Swing Mechanics and its Relationship to Musculoskeletal Injury, (I, II, IV), Advanced Ellen Shanley, PhD, PT, OCS, South Carolina Center for Effectiveness Research in Orthopedics

Ankle impingement Syndromes, (II, IV), Essential Eric Nussbaum, MEd, LAT, ATC, University Orthopaedic Associates

BOC EBP Approved Program, 3:00p.m. - 4:00p.m.

The Hydration Debate: Making Sense of the Mixed Messages, (I), Advanced Presented by the Gatorade Sports Science Institute

Robert Kenefick, PhD, FACSM, U.S. Army Research Institute of Environmental Medicine

WEDNESDAY, JUNE 26, 2019

Peer-to-Peer Discussion, 7:00a.m. - 8:00a.m.

Pediatric Athletes Are Not Small Adults: Key Factors to Proper Risk Factor Assessment and Rehabilitation, (I, IV), Essential Doug Wiesner, ATC, University of Kanses Youth Sport Performance

Special Topic, 7:00a.m. - 8:00a.m.

Shoulder Replacement Surgery: Indications and Clinical Outcomes, (II, IV), Advanced Aimee Struk, MEd, ATC, University of Florida

Celiac Disease and Gluten Sensitivity: Considerations for Life and Sport, (I), Essential Breanna Hamilton, MEd, LAT, ATC, University of Texas at Arlington

Rapid Fire Presentations, 7:00a.m. - 8:00a.m.

Concussion Education and Reporting

Perceptions & Experiences of Faculty in Higher Education Regarding the Return-to-School Process Following Concussion

Margaret Ha, MS, ATC, Sports Conditioning and Rehabilitation

Delayed Versus Immediate Reporting of Concussion and It's Impact on Length of Recovery Among Athletes

Mitchell Barnhart, ATC, A.T. Still University

Factors Impacting Concussion-Related Decision-Making by Certified Athletic Trainers Melissa Kay, MS, LAT, ATC, University of North Carolina at Chapel Hill

Perception of Child Concussion Risk in Adults without Children Steven Broglio, PhD, ATC, University of Michigan

Virginia Concussion Initiative: Stakeholder Perspectives of Disparities in Concussion Policy Implementation

Esther Nolton, MEd, LAT, ATC, CSCS, George Mason University

Assessment of Taekwondo Athletes' Knowledge of and Attitude Toward Sport-Related Concussions Scott Freer, PhD, ATC, LAT, Barry University

Free Communication Oral Presentations, 7:00a.m. - 8:00a.m.

Hip and Pelvis Case Reports

Development, Recognition and Treatment of Bilateral Acetabular Labral Tears and FAI in a High School Female

7:00a.m. - 7:15a.m.

Chelsea Kuntz, AT, MEd, Cleveland Clinic

Greater Trochanteric Chondroblastoma in a Female Collegiate Soccer Player 7:15a.m. - 7:30a.m.

Jessica Trapp, MS, LAT, ATC, Jacksonville University

Implementing Patient Outcomes and Functional Assessment to Direct Treatment Interventions for Hip Pain: A Level 2 Case Series.

7:30a.m. - 7:45a.m.

Richard Patterson, DAT, LAT, ATC, Temple University

Osteitis Pubis: A Tale of Misdiagnoses 7:45a.m. - 8:00a.m. Alyssa Irby, University of Nebraska at Omaha

Free Communication Rapid Fire Presentations, 7:00a.m. - 8:00a.m.

Injury Risk and Health Care Consideration Among Tactical Athletes

The Effects of Body Composition and Physical Fitness on IET Road Marches Kaitlin Mcginnis, MS, LAT, ATC, Auburn University

Self-Reported General Health and Fitness Among U.S. Service Members Entering Secondary Training Daniel Clifton, PhD, ATC, Uniformed Services University of The Health Sciences

The Impact of Limited Flexibility and Previous Musculoskeletal Injury on Likelihood of Injury in U.S. Service Members During Secondary Training Brian Cone, PhD, CSCS, Uniformed Services University

Perception-Action Coupling Assessment and Training of ROTC Cadets Alexis Williams, MS, LAT, ATC, University of Tennessee at Chattanooga

Shoulder and Cervical Musculoskeletal Asymmetries in Naval Special Operation Forces with Shoulder Injury: A Prospective Cohort Study
Anne Beethe, MA, ATC, CSCS, University of Pittsburgh

Perceived Barriers to Musculoskeletal Injury and Illness Reporting in the Fire Service Kirsten Potts, DAT, LAT, ATC, Indiana State University

The Structural and Cultural Barriers to Reporting Musculoskeletal Injuries From the Lens of Fire Chiefs Celcey Clark, MS, LAT, ATC, Indiana State University

Session, 7:00a.m. - 9:00a.m.

Don't Bet on Your Career: Understanding the Issues of Sports Gambling and How It May Affect the Athletic Trainer, (V), Essential

Presented by the NATA Committee on Professional Ethics

Prevalence of Sports Gambling and Mental Health Disorders Timothy Neal, MS, ATC, CSSIM, Concordia University at Ann Arbor

How Does the NATA Code of Ethics Address Sports Gambling?

Darryl Conway, MA, AT, ATC, University of Michigan

Case Scenarios in Sports Gambling for the AT to Consider Zachary Garrett, DHSc, AT, ATC, Marshall University

Feature Presentation, 7:00a.m. - 9:00a.m.

Appropriate Medical Care in Secondary Schools - Implementing the Appropriate Care for Secondary School Aged Athletes Standards, (V), Advanced

Revision, Analysis, and Creation of Appropriate Care Standards in the Secondary Schools Larry Cooper, MS, LAT, ATC

Implementing Appropriate Care Standards in the Secondary School Using the NATA Online Tool Bart Peterson, MSS, ATC, Palo Verde Magnet High School

Developing an Appropriate Athletic Health Care Program A Case Study Jamie Woodall, MPH, LAT, ATC, Brenham High School Creating a High-Performance Environment: Considerations for the Profile of an Athlete, (I, V), Advanced

Athlete Architecture: Creating a Framework for Health and Performance Jay Mellette, MS, ATC, Las Vegas Golden Knights

Developing a Performance Profile in a Unique Environment Kerry Gordon, MS, ATC, Cirque du Soleil

The Athlete Centric Model: Implementation in the Trenches Reggie Scott, MS, ATC, Los Angeles Rams

Learning Lab, 7:00a.m. - 9:00a.m.

- Proprioceptive Neuromuscular Facilitation for the Lower Extremity, (IV), Essential James Scifers, DScPT, PT, ATC, Moravian College
- Clinical Examination Skills of the EENMT Minimizing Skill Delay Using Task Trainers, Simulators and Standardized Patients, (II), Essential Robert Charles-Lipscombe, EdD, ATC, LAT, Mount St. Joseph University

Free Communication Oral Presentations, 7:30a.m. - 9:00a.m.

The Latest In Heat Illness Research

Core Temperature and Environmental Factors Among University Marching Band Musicians 7:30a.m. - 7:45a.m.

Dawn Emerson, PhD, ATC, University of Kansas

Validity of Common Body Core Temperature Measurement Sites in Hyperthermic Humans Wearing American Football Uniforms

7:45a.m. - 8:00a.m.

Kevin Miller, PhD, AT, ATC, Central Michigan University

Exertional Heat Stroke at The Falmouth Road Race: Incidence Rate and Survival 8:00a.m. - 8:15a.m.

Rachel Katch, MS, LAT, ATC, University of Connecticut

Exertional Heat Stroke Management Strategies: A Comparison of Practice and Intentions Between Athletic Trainers Who Did and Did Not Treat Cases During High School Football Preseason 8:15a.m. - 8:30a.m.

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

Examining the Need to Develop School-Specific Environmental Activity Modification Guidelines: Preliminary Analysis

8:30a.m. - 8:45a.m.

Yuri Hosokawa, PhD, ATC, Ritsumeikan University

Cold Water Immersion Preparedness for Exertional Heat Stroke in United States High School Football Preseason

8:45a.m. - 9:00a.m.

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

Best Practice Forums, 8:00a.m. - 9:00a.m.

Designing Effective Concussion Education Programs to Impact Clinical Care: What's Working and What's Not?, (I), Essential

Debbie Craig, PhD, ATC, Northern Arizona University

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



Incorporating Patient-Reported Outcome Measures into Pediatric Care: Is Your Instrument Appropriate for Youth and Adolescent Athletes?, (I, IV), Advanced

Ashley Marshall, PhD, ATC, A.T. Still University

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

Peer-to-Peer Discussion, 8:00a.m. - 9:00a.m.

Developing and Rehearsing Your Emergency Action Plan to Address Equipment Removal and Spine Boarding Procedures, (III), Essential

Gialuca Del Rossi, PhD, ATC, University of South Florida

Ian Graulich, MA, ATC, University of South Florida S.M.A.R.T. Institute

Special Topic, 8:00a.m. - 9:00a.m.

Wading Through the Athletic Recovery Landscape with So Many Gadgets, Gizmos, and Wearables - Tips from an Athletic Trainer Perspective, (I, IV), Essential

Thomas Kaminski, PhD, ATC, FNATA, University of Delaware

Stress Fracture Management, (I), Advanced Kenneth Cameron, Phd, MPH, ATC, Keller Army Community Hospital

Free Communication Oral Presentations, 8:15a.m. - 9:45a.m.

Electrical Stimulation Techniques For Pain and Muscle Strengthening

Changes in Pain Perception, Aerobic and Resistance Exercise Progressions and the Amplitude of Electrotherapy During a Ten-Session Rehabilitation Programm for Patients with Anterior Knee Pain 8:15a.m. - 8:30a.m.

Joohee Lee, Kyung Hee University

The Effects of Electrically Induced Vastus Lateralis Fatigue on Vastus Medialis Activity During Knee Extension

8:30a.m. - 8:45a.m.

James Kearney, ATC, Marist College

Effect of Functional Electrical Stimulation Applied to the Gluteus Medius During Resistance Training 8:45a.m. - 9:00a.m.

Matthew Robinson, MS, AT, ATC, University of Toledo

The Negative Effect of an Automatic Intensity Step-Down Function During NMES Treatments 9:00a.m. - 9:15a.m.

Cody Bremner, PhD, LAT, ATC, Southern Utah University

Effectiveness of the Kneehab® XP Electrical Stimulator on Motor Point Targeting 9:15a.m. - 9:30a.m.

William Holcomb, PhD, LAT, ATC, FNATA, Mercer University

Intrinsic Foot Muscle Training and Neuromuscular Electrical Stimulation Lead to Increased Arch Height Index and Improved Y-Balance Composite Scores 9:30a.m. - 9:45a.m.

Dave Gutekunst, PhD, MS, Saint Louis University

Feature Presentation, 9:15a.m. - 10:15a.m.



The Management of Patient-Oriented and Clinician-Oriented Impairments Associated with Chronic Ankle Instability: A Focus on Therapeutic Exercise and Manual Therapy, (II, IV), Advanced

Intervention Strategies to Address Common Impairments Associated with Chronic Ankle Instability Cameron Powden, PhD, ATC, Indiana State University

Patient and Clinician-Oriented Outcome Measures for Assessing Patients with Chronic Ankle Instability Megan Houston, PhD, ATC, Keller Army Community Hospital

Tracking Rehabilitation Progression for Chronic Ankle Instability Patients: A Clinical Outcomes Approach Matthew Hoch, PhD, ATC, University of Kentucky

Peer-to-Peer Discussion, 9:15a.m. - 10:15a.m.

Overcoming Barriers to Successfully Manage Heat Stroke, (III), Advanced Brendon McDermott, PhD, ATC, University of Arkansas David Csillan, MS, ATC, Ewing High School

Special Topic, 9:15a.m. - 10:15a.m.

Menstrual Dysfunction: A Screening for All Female Athletes, (I, II), Essential Julie Young, MA, ATC, PES, Nationwide Children's Hospital Sports Medicine

The Effects of Photobiomodulation (Light/Low-Level Laser) Therapy on Muscle Recovery Compared to Traditional Therapeutic Modalities, (IV), Essential Justin Rigby, PhD, LAT, ATC, Texas State University

Free Communication Oral Presentations, 9:15a.m. - 10:15a.m.

Perceptions and Strategies For Caring For LGBTQ Student Athletes

Athletic Trainers' Perceptions About Collegiate Transgender Student-Athletes' Unfair Advantage in Sport Participation

9:15a.m. - 9:30a.m.

Emma Nye, DAT, LAT, ATC, Indiana State Univeristy

Athletic Trainers' Perceived Competence and Educational Influences in Their Ability to Care for Collegiate Transgender Student-Athletes

9:30a.m. - 9:45a.m.

Daniel Walen, DAT, LAT, ATC, Indiana State University

Gender and Sexual Minority Athletes Willingness to Seek Medical Advice and Come Out to Athletic Trainers

9:45a.m. - 10:00a.m.

Kristine Ensign, PhD, AT, Ohio University

Experiences of Transgender Athletes in the Athletic Training Setting: A Qualitative Study 10:00a.m. - 10:15a.m.

Emily Munson, AT, Ohio University

Sessions, 9:15a.m. - 11:15a.m.

Evidence Straight From the Source: Peer-Reviewed Publications in Athletic Training, (V), Essential *Presented by the NATA Journal Committee*

Journal of Athletic Training
Jay Hertel, PhD, ATC, FNATA, University of Virginia

International Journal of Athletic Therapy & Training

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

Journal of Sport Rehabilitation Carl Mattacola, PhD, ATC, FNATA, University of Kentucky

Athletic Training & Sports Health Care Thomas Kaminski, PhD, ATC, FNATA, University of Delaware

Sports Health

Riamm Palmieri-Smith, PhD, ATC, FNATA, University of Michigan

Athletic Training Education Journal
David Berry, PhD, MHA, ATC, Saginaw Valley State University

Clinical Practice in Athletic Training Cameron Powden, PhD, ATC, Indiana State University

Professional Integrity in Scholarly Writing, (V), Essential Presented by the NATA Professional Responsibility in Athletic Training Committee Plagiarism Pitfalls Jeff Konin, PhD, PT, ATC, University of Rhode Island

Authorship Considerations Elisabeth Rosencrum, PhD, ATC, CSCS, Plymouth State University

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

Feature Presentation, 9:15a.m. - 11:15a.m.

Clinical Specialists and Advanced Practice Leaders: Education Pathways to Enhance Athletic Training Practice and Optimize Patient Care, (V), Essential

Patient Care Pathways: The Continuum From Novice to Expert Clinician in Athletic Training Eric Sauers, PhD, ATC, FNATA, A.T. Still University

Developing Clinical Specialists Through Residency Training Programs Forrest Pecha, MS, LAT, ATC, St. Luke's Sports Medicine

Developing Advanced Practice Leaders Through Doctor of Athletic Training Programs Brian Vesci, DAT, ATC, Northwestern University

Learning Lab, 9:15a.m. - 11:15a.m.

Using Classical Pilates to Rehabilitate the Overhead Athlete, (IV), Essential



Thoracic Manual Therapy for the Treatment of Cervical and Shoulder Pain, (II, IV), Advanced Michael Higgins, PhD, ATC, PT, University of Virginia

Free Communication Rapid Fire Presentations, 9:30a.m. - 10:15a.m.

Planning For and Managing Emergencies

Describing Sport-Related Genitourinary Injuries in Males Reporting to Emergency Departments: A National Electronic Injury Surveillance System Report

Gregory Janik, DAT, LAT, ATC, King's College

An Analysis of Certified Athletic Trainers' Ability to Provide High-Quality Cardiopulmonary Resuscitation Over Hockey Shoulder Pads

Adam Estabrooks, ATC, CKTP, North Dakota State University

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

Richard Boergers, PhD, ATC, Seton Hall University

A Novel Approach to Loop-Strap Cutting Utilizing a Motorized Oscillating Saw as Compared to a Traditional Cutting Tool

Mark Rotondi, ATC, Marist College

The Effect of Practice on Facemask Removal Timeliness with Lacrosse Helmets Used for at Least One Season of Play

Katherine Frick, MS ATC LAT, Venesco LLC

A Comparison of Spinal Motion in an Equipment Laden Patient During Three Different Transfer Techniques

Jolene Martinko, ATC, Marist College

Free Communication Oral Presentations, 9:45a.m. - 11:15a.m.

Patient Centered Outcomes Following ACLR

Increased Pain 4 Weeks Post ACL Reconstruction is Predictive of Lower Self-Reported Sports Function at 6 Months

9:45a.m. - 10:00a.m.

Emily Hunt, MS, ATC, University of Kentucky

Rationale for a Parsimonious Measure of Subjective Knee Function After ACL Reconstruction: A Rasch Analysis

10:00a.m. - 10:15a.m.

Ryan Duckett, MA, University of Toledo

The Relationship Between Injury-Related Fear and Visuomotor Reaction Time in Individuals After Anterior Cruciate Ligament Reconstruction

10:15a.m. - 10:30a.m.

Francesca Genoese, LAT, ATC, CES, University of Kentucky

Psychological Readiness of Athletes to Return-to-Play Following Injury

10:30a.m. - 10:45a.m.

Alyssa Monahan, MS, LAT, ATC, Georgia Southern University

The Association Between Psychological Readiness to Return-to-Sport and Self-Perceived Function After Anterior Cruciate Ligament Reconstruction

10:45a.m. - 11:00a.m.

Jacqueline Miller, ATC, A.T. Still University

Free Communication Oral Presentations, 10:00a.m. - 11:15a.m.

Injury Screening and Outcomes In The Military

Patient and Injury Demographics of Athletic Training Medical Care for Reserve Officer Training Corps: A Report From the Athletic Training Practice-Based Research Network

10:00a.m. - 10:15a.m.

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

Association Between Performance on The Landing Error Scoring System and Bone Stress Injury Risk in U.S. Military Academy Cadets

10:15a.m. - 10:30a.m.

Timothy Eckard, PT, DPT, OCS, University of North Carolina at Chapel Hill

Evaluation of Landing Error Scoring System and High School Sport Participation in Army Reserve Officer Training Corps

10:30a.m. - 10:45a.m.

Hayley Ericksen, PhD, ATC, University of Wisconsin at Milwaukee

Association Between Movement Quality Upon Entry to a U.S. Service Academy and Lower Extremity Injury During One Year of Follow-Up

10:45a.m. - 11:00a.m.

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

Anterior Cruciate Ligament Reconstruction Survivability in the U.S. Military: A 5-Year Case-Control Study 11:00a.m. - 11:15a.m.

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

Feature Presentation, 10:15a.m. - 11:15a.m.

Are We Walking Away From Chronic Dysfunction? Advanced Clinical Gait Assessment and Treatment, (I, II, IV), Advanced

Walk On By: Translating the Gait Assessment to the Clinical Environment Christopher Kuenze, PhD, ATC, Michigan State University

Walk Hard: The Importance of Appropriate Loading Following Anterior Cruciate Ligament Reconstruction Brittney Luc-Harkey, PhD, ATC, Brigham and Women's Hospital

Walk This Way: Using Low-Cost Instruments to Provide Feedback During Gait Luke Donovan, PhD, ATC, University of North Carolina at Charlotte

<u>Special Topics, 10:15a.m. - 11:15a.m.</u>

Returning the Student-Athlete to the Classroom: Case-Based Scenarios, (IV), Advanced Tamara Valovich McLeod, PhD, ATC, FNATA, A.T. Still University

Career Progression Up the Health Care Management Ladder, (V), Advanced Aaron Hajart, MS, ATC, New Bridge Medical Center

Free Communication Oral Presentations, 10:30a.m. - 11:15a.m.

The Effects Of Cupping On Patient Outcomes

Cupping Therapy Does Not Influence Hamstring Range of Motion Compared to Control or Sham Conditions

10:30a.m. - 10:45a.m.

Matthew Schafer, MS, LAT, ATC, University of Louisiana at Lafayette

The Effects of Dry Cupping Massage Therapy on Delayed Onset Muscle Soreness 10:45a.m. - 11:00a.m.

Tricia Majewski-Schrage, EdD, ATC, LAT, University of Northern Iowa

The Influence of Dry Cupping Therapy on Collegiate Musicians with Chronic Neck Pain 11:00a.m. - 11:15a.m.

Aaron Ngor, MS, AT, Ohio University

Free Communication Rapid Fire Presentations, 10:30a.m. - 11:15a.m.

Intervention Strategies For Chronic Ankle Instability

A Randomized Controlled Trial Investigating the Effects of a 4-Week Ankle Rehabilitation Program on Dynamic Balance in High School Athletes with Chronic Ankle Instability

M. Spencer Cain, PhD, ATC, LAT, University of North Carolina at Chapel Hill

Eccentric Training with Anodal Transcranial Direct Current Stimulation Increases Muscle Activation in Individuals with Chronic Ankle Instability

Amelia Bruce, MS, Appalachian State University

Effects of Instrument Assisted Soft-Tissue Mobilization on Neuromuscular Control for Chronic Ankle Instability

Brittany Croft, University of Lynchburg

Evaluating Postural Control on Ankle Acupuncture Hsin-Min Wang PhD, China Medical University

Effects of Blood Flow Restriction on Muscle Activation in Individuals with Chronic Ankle Instability John Goetschius, PhD, ATC, Adrian College

Predicting Responders Following a 4-Week Multimodal Intervention in Patients with Chronic Ankle Instability

Cameron Powden, PhD, ATC, LAT, Indiana State University

BOC EBP Approved Program, 11:45a.m. - 1:45p.m.

Evolving Concussion Prevention and Care Across the Life Span, (I, II, IV), Advanced

Pediatric

Joel Stitzel, PhD, Wake Forest University

Young Adult

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

Retired Athletes

Kevin Carneiro, MD, University of North Carolina at Chapel Hill

<u>Special Topics, 5:15p.m. - 6:15p.m.</u>

Examining the Science Behind Stretching and Soft Tissue Manual Therapies: Are We Following the Evidence?, (IV), Advanced

Kenneth Cieslak, DC, ATC, CSCS, Teaneck Board of Education

Brain-Hacking: Can or Should We Correct the Cortical Adaptations that Happen After Injury?, (IV), Advanced

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

Advanced Comprehensive Athletic Trainer Assessment of the Ballet Dancer's Foot En Pointe, (II), Advanced

Kimberly Perrella Veirs, PhD(C), ATC, MPT, University of Oklahoma Health Sciences Center

Treatment and Rehabilitation for Triathletes, (II, IV), Advanced Mark Baughman, DPT, ATC, OCS, Coltman and Baughman Physical Therapy

<u>Free Communication Oral Presentations, 5:15p.m. - 6:15p.m.</u>

Visual Concussion Assessment

The Effect of Exercise on a Novel Dual-Task Assessment for Sport Concussion 5:15p.m. - 5:30p.m.

Juliana Jimenez, University of Virginia

Native Language May Affect Performance on the King-Devick Test, but Not the Impact 5:30p.m. - 5:45p.m.

Anthony Cosby Jr., Ithaca College

Executive Function is Related to Visuomotor Reaction Time in Collegiate Athletes 5:45p.m. - 6:00p.m.

Matthew Hoch, PhD, ATC, University of Kentucky

Clinical versus Functional Reaction Time: Implications for Post-Concussion Management 6:00p.m. - 6:15p.m.

Robert Lynall, PhD, ATC, University of Georgia

Free Communication Oral Presentations, 5:15p.m. - 6:30p.m.

Injury Risk Across Ages and Sports

Neuromechanical Factors Associated with College Football Injury Risk 5:15p.m. - 5:30p.m.

Rachael Anthony, MS, LAT, ATC, University of Tennessee at Chattanooga

The Association Between Injuries and Overtime Play in National Collegiate Athletic Association Soccer 5:30p.m. - 5:45p.m.

Erin Wasserman, PhD, Datalys Center for Sports Injury Research and Prevention

Predictive Value of Injury Risk Screening for Collegiate Volleyball Players 5:45p.m. - 6:00p.m.

Alexis Gaylor, MS, ATC, University of Tennessee at Chattanooga

Poor Balance as a Predictor of Injury in Adolescent Athletes 6:00p.m. - 6:15p.m.
Carl Lange, DAT, LAT, ATC, Temple University

A Pilot Study Examining the Effects of an Injury Prevention Program on Lower Extremity Injury in Middle School Boys' Soccer

6:15p.m. - 6:30p.m.

Katherine Van Wert, MS, NHLAT, ATC, George Mason University

Free Communication Rapid Fire Presentations, 5:15p.m. - 6:30p.m.

Prevelance and Rehablitation Outcomes of Mental Health Conditions In Active Populations Validation of a Depression Screening Tool in Collegiate Student-Athletes Branden Green, LAT, ATC, West Chester University

Pilot Study of Mental Health Symptoms in Collegiate Student-Athletes Megan Simon LAT, ATC, University of North Carolina at Chapel Hill Depression in Adolescent Athletes: Prevalence and Demographics Ashley Long, PhD, LAT, ATC, Mt. Olive Family Medicine Center

Prevalence of Depression and Anxiety Among ROTC College Students Allison Smith, MS, ATC, SCAT, University of South Carolina

Depression Following Concussion in Retired Professional Football Players Ryan Thomson, LAT, ATC, Temple University

The Effect of Premorbid Anxiety on Rehabilitation Services and Recovery Times Following Pediatric Concussion

Elizabeth Teel, PhD, Mcgill University

Preseason Psychological Distress Affects College Student-Athletes' Health-Related Quality of Life: Findings From the Active Rehab Study

Johna Register-Mihalik, University of North Carolina at Chapel Hill

Poor Surgical Expectations for Patients with Shoulder Instability are Associated with Race and Mental Health

Nicole Cascia, MAT, ATC, CES, University of Kentucky

Low Self-Efficacy and Mental Health Disorders Predict Persistent Postoperative Pain 3-Months Following Hip Arthroscopy

Kate Jochimsen, PhD, ATC, University of Kentucky

Free Communication Rapid Fire Presentations, 5:15P.M. - 6:45p.m.

Biomechanical and Neuromuscular Considerations For ACLR Rehabilitation

Systemic Quadriceps Muscle Failure Following ACL Reconstruction: Neural and Morphological Considerations

Adam Lepley, PhD, ATC, University of Connecticut

How Much Time is Needed Between Serial "Return-To-Play" Assessments to Achieve Clinically Important Strength Gains in Patients Recovering from ACL Reconstruction? Stephan Bodkin, Med, ATC, University of Virginia

Personalized Sensor-Based Classification of ACL Reconstructed Patients Using Machine Learning is Affected by Muscle Strength and Symmetry Joe Hart, PhD, ATC, FNATA, University of Virginia

Time Course of the Effects of Vibration on Quadriceps Function in Individuals with Anterior Cruciate Ligament Reconstruction

Christopher Johnston, MS, ATC, University of North Carolina at Chapel Hill

Knee Loading Following ACL-R is Related to Quadriceps Strength and Knee Extension Difference Across The Continuum of Care

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

How Does it All Measure Up? Interrelationships Between Biomechanical, Clinical Symmetry and Self-Reported Function After ACLR

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

The Effects of Transcranial Direct Current Stimulation on Quadriceps Neural Activity After Anterior Cruciate Ligament Reconstruction
Justin Rush, ATC, University of Connecticut

A Novel Test of Trunk Control Identifies Deficits in ACL Reconstructed Patients Chelsey Roe, MS, ATC, University of Kentucky

Relationship Between Patient-Reported Outcome Measures and Sample Entropy During Dual-Task Balance Following Anterior Cruciate Ligament Reconstruction Janet Simon, PhD, AT, Ohio University

Altered Gait Patterns in Patients with ACL Reconstructed Knees Performing Multiple Tasks Kim Twait, Med, ATC, University of Virginia

Sessions, 5:15p.m. - 7:15p.m.

Transition to Practice, (V), Essential Presented by the NATA Executive Committee for Education Organization and Administration Steve Nordwall, MA, ATC, University of Maryland

Mentoring and Clinical Practice Brian Vesci, DAT, ATC, Northwestern University "Not eligible for CEUs under Category A or D."

Safe Space Ally Training for the Athletic Trainer, (I), Advanced Presented by the NATA LGBTQ+ Advisory Committee Patricia Aronson, PhD, LAT, ATC, University of Lynchburg Rebecca Lopez, PhD, ATC, University of South Florida

Feature Presentation, 5:15p.m. - 7:15p.m.

Long-Term Athlete Development for the "Other" Overhead Sports, (I, II, IV), Essential

Long-Term Athlete Development and Application to Swimming and Tennis Elizabeth Hibberd, PhD, LAT, ATC, University of Alabama

Long-Term Athlete Development in Softball Erin Weaver-Cohen, MA, LAT, ATC, University of Alabama

Utilizing Strength and Conditioning for Long-Term Athlete Development Michelle Martin Diltz, MS, SCCC, CSCS, University of Alabama

Learning Lab, 5:15p.m. - 7:15p.m.

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Athletic Trainer's: Utilization and Clinical Establishment of IV Access and Fluid Administration to Improve Patient Care, (III, IV), Essential Eric Fuchs, PhD, ATC, Eastern Kentucky University

THURSDAY, JUNE 27, 2019

Free Communication Rapid Fire Presentations, 7:00a.m. - 7:45a.m.

Pediatric Athletics: Research in the Area of Pediatric Injuries and Pediatric Sports

Early Sport Specialization is Associated with Increased Chance Of Injury Katherine McCall, Ithaca College

The Relationship Between Training Load and Neuromuscular Control in Adolescent Female Basketball Athletes

Eleanor Beltz, PhD, ATC, CSCS, Emory & Henry College

Self-Reported Physical Activity Volumes in Pediatric Patients with Overuse Knee Injuries Julie Young, MA, ATC, PES, Nationwide Children's Hospital

Does a Parent's Background Influence Their Child's Participation in Contact Sports? Allyssa Memmini, MS, ATC, University of Michigan

ACL Injury Prevention Knowledge of Youth Sport Coaches Jessica Martinez, PhD, ATC, Old Dominion University

The Prevalence of Patellofemoral Pain in the Community Jennifer Thorpe, MS, ATC, CSCS, Concordia University of Wisconsin

Free Communication Rapid Fire Presentations, 7:00a.m. - 7:45a.m.

Epidemiology and Management of PFP

Performance on a Clinical Dynamic Balance Task is Different in Individuals with Patellofemoral Pain

Andrea Baellow, Med, ATC, University of Virginia

Effect of Biofeedback Electrical Stimulation on Lower Extremity Kinematics in Females with Patellofemoral Pain

Alex Springer, MS, AT, ATC, University of Toledo

Comparing Kinesio® Tape to KT Tape® for Individuals with Patellofemoral Pain Benjamin Marcus, ATC, CKTP, North Dakota State University

Special Topic, 7:00a.m. - 8:00a.m.

Disordered Eating and Mental Health: When It Is More Than Body Shaming and Sport Expectations? (I, II, IV, V), Essential

Shelly Mullenix, MS, ATC, Louisiana State University

Bear in Mind: Clinical Impact of Brain and CNS Changes After Knee Injuries, (II, IV), Advanced Adam Lepley, PhD, ATC, University of Connecticut

Free Communication Oral Presentations, 7:00a.m. - 8:00a.m.

Recover From and Treatment for Lateral Ankle Sprains

Does Injury History Impact the Recovery of Self-Report of Function During the First Two Weeks After an Ankle Sprain Injury? A Report From the Athletic Training Practice-Based Research Network 7:00a.m. - 7:15a.m.

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

Comparison of Y Balance Test Scores at Baseline and 2-4 Weeks Following an Acute Lateral Ankle Sprain in Collegiate Athletes

7:15a.m. - 7:30a.m.

Bethany Wisthoff, MS, ATC, University of Delaware

Association Between Rehabilitation and Goal Achievement in Athletes Discharged From Care Following An Ankle Sprain: A Report From the Athletic Training Practice-Based Research Network 7:30a.m. - 7:45a.m.

Revay Corbett, MS, ATC, PES, University of Virginia

Comparison of Practice Patterns with International Ankle Consortium Recommendations for the Clinical Assessment of Lateral Ankle Sprain Injuries: A Report From The Athletic Training Practice-Based Research Network

7:45a.m. - 8:00a.m.

Ashley Marshall, PhD, ATC, A.T. Still University

Session, 7:00a.m. - 9:00a.m.

Common Lower Extremity Sports Injuries: Some Are Not as Obvious, (I, II, IV), Essential Presented by the American Academy of Podiatric Sports Medicine Brian Fullem, DPM, Elite Sports Podiatry

Feature Presentation, 7:00a.m. - 9:00a.m.

When Every Day is a Circus: Applying Athletic Principles to Aerialists and Acrobats, (III, IV, V), Advanced

Systematic Approach to Emergency Preparedness Brian Oudyk, ATC, CAT(C), CES, Cirque du Soleil

Managing Workload in High Performance Settings Roisin McNulty, MPhty, Cirque du Soleil

A Circus of Chronic Conditions Katherine Perlsweig, MS, ATC, CSCS, Cirque du Soleil

Learning Lab, 7:00a.m. - 9:00a.m.

Faster: Running Efficiecy for Lower Extremity Injury Prevention, (I, II, IV), Essential Donald Kessler, MEd, ATC, U.S. Naval Warfare Center



Expecting Immediate Changes in Shoulder Dysfunction: A Systematic Approach to Enhance Clinical Decision-Making, (II, IV), Advanced Miguel Quintero, DAT, ATC, Viewpoint High School

Free Communication Rapid Fire Presentations, 7:45a.m. - 9:00a.m.

Hip Muscle Function and Lower Extremity Mechanics

Influence of Hip Strength Testing Position on Lower Extremity Muscle Activity Neal Glaviano PhD, AT, ATC, University of Toledo

EMG and Force Analysis of a Weightbearing Squat-Hold Position Compared to Traditional Hip Strength Assessment Positions

Kemery Sigmund, MS, LAT, ATC, Concordia University, Wisconsin

Relationships Among Knee, Hip, & Trunk 2-Dimensional Angles and Gluteal Muscle Activity During Squatting

David Bazett-Jones, PhD, AT, ATC, University of Toledo

The Relationship Between Hip Strength and Multiplanar Running Kinematics at the Hip and Knee Victoria Holmes, MS, AT, Ohio University

Gluteal Muscle Activation in Participants With and Without Low Back Pain During a Dynamic Balance Task

Adrienne Fedyna Dembeck, University of Virginia

Assessment of Gluteal Neuromuscular Function with the Central Activation Ratio Daniel Gilfeather, MS, AT, ATC, University of Toledo

Examining the Relationship Between Hip Strength and Time to Stabilization in Collegiate Volleyball Players

Sara Skammer, LAT, ATC, Montana State University

Relationship Between Hip Strength and LESS Scores in Youth Athletes Across Stages of Maturation Gregory Crisafulli, BS, LAT, ATC, University of Alabama

Relationship Between Hip Strength, Lower Extremity Movement During a Single-Leg Step-Down Task and Upper Extremity Injury in Professional Baseball Players
Hannah Dove, PT, DPT, ATC, University of Southern California

Best Practice Forum, 8:00a.m. - 9:00a.m.



Sacrificing Long-Term Health for Quick Return-to-Play: Ankle Sprain to Ankle Osteoarthritis, (I), Advanced

Tricia Hubbard-Turner, PhD, ATC, University of North Carolina at Charlotte Janet Simon, PhD, ATC, Ohio University

Peer-to-Peer Discussion, 8:00a.m. - 9:00a.m.



Communicating With Youth Sport Stakeholders About Specialization, (I), Advanced David Bell, PhD, ATC, University of Wisconsin at Madison Lindsay DiStefano, PhD, ATC, University of Connecticut

Special Topics, 8:00a.m. - 9:00a.m.

Outcomes That Support Utilizing ATCs in the Integrated Occupational Health Model, (I), Advanced Diana Burns, ATC, CEIS, CEES, ATI Worksite Solutions

Facilitating Intrinsic Foot Muscle Training, (IV), Advanced Kitty Newsham, PhD, ATC, Saint Louis University

Free Communication Oral Presentations, 8:00a.m. - 9:00a.m.

Athletic Training Documentation and Patient Reported Outcomes

Unique Challenges and Needs for Patient Care Documentation in The Secondary School Setting 8:00a.m. - 8:15a.m.

Tricia Kasamatsu, PhD, ATC, California State University at Fullerton

Athletic Trainers' Perceptions of Patient Reported Outcomes Integration 8:15a.m. - 8:30a.m.

Lauren Gardner, MS, ATC, Michigan State University

Athletic Trainers' Knowledge and Application of Medical Documentation Following an Evidence-Based Educational Intervention

8:30a.m. - 8:45a.m.

Elizabeth Neil, MS, LAT, ATC, Indiana State University

Aspects of Technology That Influence Athletic Trainers' Current Patient Care Documentation Strategies In The Secondary School

8:45a.m. - 9:00a.m.

Sara Nottingham, EdD, LAT, ATC, University of New Mexico

Free Communication Rapid Fire Presentations, 8:00a.m. - 9:00a.m.

Preparing and Supporting the Newly Credentialed AT

Transition To Practice: Challenges and Facilitators to Professional Identity Development Following Graduation from a Professional Master's Level Program Brianne Kilbourne, EdD, ATC, Emory & Henry College

Career Aspirations of Athletic Trainers in Their First Year of Employment Following Graduation from a Professional Preparation Masters Level Program
Jessica Barrett, PhD, ATC, Springfield College

Comparison of New Clinically Trained Faculty Socialization Experiences with New Non-Clinically Trained Faculty In Higher Education

Jennifer Plant, EdD, LAT, ATC, University of Central Florida

Grit: The Perseverance of Recently Credentialed Athletic Trainers During Their Transition to Practice Ryan Rompola, DAT, LAT, ATC, Indiana State University

Developing a Comprehensive Theory of Professional Readiness in Athletic Training Philip Szlosek, PhD, LAT, ATC, Bridgewater State University

Newly Credentialed Athletic Trainers' Onboarding Needs During the Transition to Practice Ashley Thrasher, EdD, LAT, ATC, Western Carolina University

Onboarding Provided for Newly Credentialed Athletic Trainers' During the Transition to Practice Stacy Walker, PhD, ATC, FNATA, Ball State University

Professional Program Preparation, Orientation and Mentoring Tactics Used in Developing Professional Responsibility in Early-Career Athletic Trainers

Amanda Szabo, DAT, LAT, ATC, Indiana State University

BOC EBP Approved Program, 9:15a.m. - 10:15a.m.

Managing Back Pain Using Manual Therapy Techniques, (IV), Advanced Sue Falsone, PT, MS, ATC, Structure & Function Education, PLLC

Lengthening Your Perspective: Using Eccentric Exercise to Treat Neural and Morphological Deficits After Injury, (IV), Advanced Lindsey Lepley, PhD, ATC, University of Connecticut

Best Practice Forum, 10:45a.m. - 11:45a.m.



Enhancing Rehabilitation Outcomes Following Knee Injury: Overcoming Psychological Barriers, (I, II, IV), Advanced

Grant Norte, PhD, ATC, Toledo University Neal Glaviano, PhD, ATC, Toledo University

Special Topic, 10:45a.m. - 11:45a.m.

The Who, What, and Why of Sport Specialization, (I, II), Essential Eric Post, PhD, ATC, San Diego State University

Advances in Sports Nutrition: The Latest in Nutrition, Supplementation, Relative Blood Work, Gene Testing and Glycogen Storage on All Aspects of Athletic Performance, (I, IV), Essential Dawn Weatherwax, RD, CSSD, ATC, Sports Nutrition 2Go

Free Communication Oral Presentations, 10:45a.m. - 11:45a.m.

Concussion Reporting Behaviors and Intentions

Examining the Relationship Between Coping Strategies and Intentions to Report Concussion Among Intercollegiate Athletes

10:45a.m. - 11:00a.m.

Rachel Le, MS, ATC, University of Georgia

Sport-Related Concussion Education, Concussion History and Chronic Traumatic Encephalopathy Beliefs of Collegiate Student-Athletes

11:00a.m. - 11:15a.m.

Erica Beidler, PhD, LAT, ATC, Duquesne University

Influence of Developmental and Sociological Factors on Concussion Knowledge, Attitudes and Self-Reporting Intentions

11:15a.m. - 11:30a.m.

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

The Influence of Concussion Knowledge and Years of Clinical Experience on Athletic Trainers' Concussion Healthcare Practices

11:30a.m. - 11:45a.m.

Landon Lempke, MEd, LAT, ATC, University of Georgia

The Influence of Attitudes, Social Pressure and Perceived Control on Intention to Report Concussion Symptoms in Collegiate Athletes

11:45a.m. - 12:00p.m.

Daniel Baer, PhD, LAT, ATC, West Chester University of Pennsylvania

Free Communication Rapid Fire Presentations, 10:45a.m. - 11:45a.m.

Gait Neuromechanics in Those with Chronic Ankle Instability

The Foot and Ankle Ability Measure-Sport is Related to Spatiotemporal Gait Measures in Individuals with Chronic Ankle Instability

Rae Allison, LAT, ATC, University of Kentucky

Sagittal Plane Ankle Kinematics and Variability During Walking and Running in Individuals With and Without Chronic Ankle Instability

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

Chronic Ankle Instability Effects Sural Nerve Reflexes in the Gastrocnemius During the Early Stance Phase of the Gait Cycle

Leif Madsen, PhD, ATC, Indiana University

Sudden Ankle Inversion Perturbation During Walking Alters Gait Kinematics in Chronic Ankle Instability Patients

Seunguk Han, MS, ATC, Brigham Young University

How Patients with Chronic Ankle Instability React After Ankle Inversion Perturbation During Walking Hwigeum Jeong, MS, LAT, ATC, Brigham Young University

Altered Muscle Activation Patterns During Walking Following Sudden Inversion Perturbation in Patients with Chronic Ankle Instability

Hyunsoo Kim, PhD, ATC, West Chester University

Differences in the Shank-Rearfoot Joint Coupling, Kinematics and Kinetics Among Subject with Chronic Ankle Instability, Coper and Controls During Jogging Inje Lee, CSCS, Yonsei University

Free Communication Oral Presentations, 10:45a.m. - 12:15p.m.

Foot and Ankle Case Reports

Functional Outcome Measures in Collegiate Athletes After Turf Toe Injuries: A Level 2 Case Series 10:45a.m. - 11:00a.m.

Kevin Shubow, MEd, ATC, University of Virginia

Navicular Fracture in a Collegiate Soccer Player: A Level 3 Clinical Case Study

11:00a.m. - 11:15a.m.

Emily Kruithof, LAT, ATC, CSCS, University of Kentucky

The Use of Blood Flow Restriction as Part of a Non-Operative Rehabilitation Program for a Talus Fracture in a Professional Hockey Player: A Case Report

11:15a.m. - 11:30a.m.

Geoff Dover, PhD, CAT(C), ATC, Concordia University

Achilles Tendon Re-Rupture Proximal to the Primary Repair in a Collegiate Football Punter 11:30a.m. - 11:45a.m.

Christine Poole, MS, ATC, OTC, The Steadman Clinic

Reconstruction of a Pathological Pes Planovalgus Deformity in a Female High School Athlete 11:45a.m. - 12:00p.m.

Sean Dorrian, Marist College

Diagnosis and Treatment of a Left Talus Lateral Process Fracture and Subtalar Loose Bodies 12:00p.m. - 12:15p.m.

Jared Sweigard, MS, ATC, The Steadman Clinic

Sessions, 10:45a.m. - 12:45p.m.



Biologic Treatments, (IV), Advanced

Presented by the NATA Research & Education Foundation

Steven Singleton, MD, Texas Health Physicians Group

The Athletic Training Milestones: How Do We Assess and Promote Progressive Clinical Behaviors?, (V), Advanced

Presented by the NATA Professional Education Committee

Competency-Based Theory and Science of the Athletic Training Milestones Eric Sauers, PhD, ATC, FNATA, A.T. Still University Hollie Walusz, MA, ATC, PES, Boston University Forrest Pecha, MS, LAT, ATC, St. Luke's Sports Medicine

Using the Athletic Training Milestones to Assess Clinical Competence to Enhance Clinician Performance R. Mark Laursen, MS, ATC, Boston University

The Active Attacker: How To Prevent, Prepare, and Perform in Times of Crisis, (I, III, V), Essential *Presented by the NATA Secondary School Athletic Trainers' Committee*

Breaking Point: Mental Health EAP for Potentially Violent Students

Stacey Ritter, MS, ATC, San Luis Sports Therapy

Collaboration, Communication and Care: The Link Between Athletic Trainer and EMS During an Active Attacker Event

Leslie Shaffer, CCT-P, NREMT-P, American Medical Response

Appropriate Implementation of Emergency Action Plan for Active Attacker Scenario: Best Practices and Methods

Brian Driscoll, LAT, ATC, Clark County School District James Hamburg, MS, LAT, ATC, Clark County School District

Feature Presentation, 10:45a.m. - 12:45p.m.

For Better or for Worse? Chasing the Elusive Symmetry, (V), Essential

Symmetry in Soccer Before and After Injury
J. Craig Garrison, PhD, PT, ATC, Texas Health Sports Medicine

Symmetry in Baseball Before and After Injury Ellen Shanley, PhD, PT, OCS, ATI Physical Therapy

Symmetry in Swimming Before and After Injury Bobby Jean Lee, PT, DPT, SCS, Texas Health Sports Medicine

Learning Lab, 10:45a.m. - 12:45p.m.

Manual Therapy for the Dancer's Lower Extremity, (IV), Essential Megan Bane, MS, ATC, OSU Wexner Medical Center

Science Meets Practice: Advancing Utilization of Upper Extremity Plyometrics Based on Kinematic, Kinetic and Volume Dosage Evidence, (IV), Advanced Bryan Riemann, ATC, Georgia Southern University

Peer-to-Peer Discussion, 11:45a.m. - 12:45p.m.

Identifying and Mitigating Lower Leg Injury Risk Factors in Tactical and Traditional Athletes, (I), Advanced Timothy Mauntel, PhD, ATC, Walter Reed National Military Medical Center Kenneth Cameron, PhD, MPH, ATC, Keller Army Community Hospital

Special Topic, 11:45a.m. - 12:45p.m.

Advanced Implementation of Weight Charts to Determine Hydration Changes Across Sport Settings, (I, II), Essential

Susan Yeargin, PhD, ATC, University of South Carolina

The Traditional AT's Guide to the Performing Patient, (IV), Essential Laura Mertz, MS, LAT, ATC, Behind the Scenes Medical Consulting

Free Communication Oral Presentations, 12:00p.m. - 1:00p.m.

Professional Issues Facing College Athletic Trainers'

Work-Family Guilt in Collegiate Athletic Trainers

12:00p.m. - 12:15p.m.

Kelsey Rynkiewicz, MS, LAT, ATC, University of Connecticut

The Work Life Balance: A Perspective of the Athletic Trainer's Spouse

12:15p.m. - 12:30p.m.

Stephanie Mazerolle, PhD, ATC, FNATA, University of Connecticut

Leadership, Job Satisfaction and Intent to Leave in NCAA Division I Athletic Trainers

12:30p.m. - 12:45p.m.

Lindsey Schroeder, EdD, LAT, ATC, University of North Carolina at Wilmington

The Relationship Between Burnout and Substance Use in Collegiate Athletic Trainers 12:45p.m. - 1:00p.m.

Leslie Oglesby, PhD, LAT, ATC, University of Southern Mississippi

Free Communication Oral Presentations, 12:00p.m. - 1:15p.m.

Lower Extremity Post-Traumatic Osteoarthritis and Cartilage Health

The Epidemiological Study of Post-Traumatic Knee Osteoarthritis After Cruciate Ligament Injury in the Young & Middle-Aged Population Using Korean National Health Insurance Sharing Service 201,051 Cohort Data

12:00p.m. - 12:15p.m.

Sae Yong Lee, PhD, ATC, CSCS, Yonsei University

Talar Cartilage T1rho MRI Based Volume is Associated with Talar Cartilage Ultrasonography Based Thickness

12:15p.m. - 12:30p.m.

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

Dominant to Non-Dominant Limb Measures of Knee Cartilage Thickness

12:30p.m. - 12:45p.m.

Hsin-Min Wang PhD, China Medical University

Ankle Cartilage Composition Associates with Physical Activity and Fear-Avoidance in Those with Chronic Ankle Instability

12:45p.m. - 1:00p.m.

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

Ultrasonographic Analysis of Acute Cartilage Morphological Alteration Following Conventional Rehabilitative Exercises in Patellofemoral Pain Individuals

1:00p.m. - 1:15p.m.

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

Free Communication Oral Presentations, 12:15pm - 12:45p.m.

Role and Hiring of DAT Credentialed Athletic Trainers'

Academic Employers' Impressions Regarding the Qualifications of Athletic Trainers with the Doctor of Athletic Training Degree

11:45a.m. - 12:00p.m.

Cailee Welch Bacon, PhD, ATC, A.T. Still University

Academic Employers' Perceived Benefits and Deterrents of Hiring a Doctor of Athletic Training Credentialed Faculty Member

12:00p.m. - 12:15p.m.

Lindsey Eberman, PhD, LAT, ATC, Indiana State University

The Role of Academic Debt and Benefits to the Profession on the Interest of Professional Post-Baccalaureate Athletic Training Students' in a Doctor of Athletic Training Degree 12:15p.m. - 12:30p.m.

Gary Cohen, MS, LAT, ATC, Old Dominion University

Free Communication Oral Presentations, 12:30p.m. - 1:45p.m.

Head Impact Outcomes

Kinematic Head Impacts and Subjective Responses in Youth Australian Footballers 12:30p.m. - 12:45p.m.

Mark Hecimovich, PhD, ATC, University of Nothern Iowa

Comparison of Head Impact Mechanisms and Type of Play for Women's Lacrosse Over 4 Years 12:45p.m. - 1:00p.m.

Jessica Riquelme, University of Lynchburg

Efficacy of 3D Multiple Object Tracking and Head Impacts and Cognitive Performance in Divison III Lacrosse

1:00p.m. - 1:15p.m.

Erin Marchesseault, ATC, LAT, Southeastern Louisiana University

Comparing Men's Soccer Head Impact Characteristics Over a Three Year Time Period 1:15p.m. - 1:30p.m.

Karlie Ennis, University of Lynchburg

Effect of Head Impacts on Vestibular Function

1:30p.m. - 1:45p.m.

Theresa Miyashita, PhD, ATC, Concordia University at Chicago

Special Topic, 1:15p.m. - 2:15p.m.

Using Continuous Quality Improvement to Evaluate and Improve Your Concussion Management Plan, (V), Advanced

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



Can We Patch the Potholes?: Treatment Options and Expectations for Return-to-Sport and Long-Term Outcomes for Articular Cartilage Injuries, (IV), Advanced
Jennifer Howard, PhD, LAT, ATC, Appalachian State University

Free Communication Oral Presentations, 1:15p.m. - 2:15p.m.

Real Life Education Standardized Patients and IPE

Athletic Trainers' Preparation, Expectations and Outcomes From a Standardized Patient Encounter 1:15p.m. - 1:30p.m.

Brett Boddicker, DAT, LAT, ATC, Indiana State University

The Long-Term Impact of Standardized Patient Encounters During Professional Education on Athletic Training Professional Practice

1:30p.m. - 1:45p.m.

Amanda Jarriel, PhD, ATC, LAT, Georgia College & State University

Experiences of Professional Athletic Training and Clinical Psychology Students After Participating in an Interprofessional Standardized Patient Encounter 1:45p.m. - 2:00p.m.

Stacey Gaven, PhD, LAT, ATC, University of Indianapolis

Assessing Changes in Student Knowledge and Attitudes Following an IPE Experience 2:00p.m. - 2:15p.m.

Scott Heinerichs, EdD, LAT, West Chester University

Free Communication Rapid Fire Presentations, 1:15p.m. - 2:15p.m.

The Burden of Injury In The Performing Arts

Posterior Tibial Nerve Entrapment in a Classical Ballet Dancer Leslie Deleget, MS, ATC, Harkness Center For Dance Injuries

Concussion Recovery in Two Dancers: A Case Study Lauren Mcintyre, ATC, Harkness Center For Dance Injuries

Epidemiology of Injury and Illness in a Mid-Atlantic WGI Independent World Indoor Drumline Giulia Disanto, NREMT, VAEMT, CSCS, Furman University

Incidence of Musculoskeletal Injuries in a World-Class Drum Corps Zachary Dangel, MS, LAT, ATC, Indiana University

Injury Incidence and Exposure in Collegiate Dancers - A 2-Year Prospective Study Victoria Fauntroy, LAT, ATC, George Mason University Dancers' Perceptions and Utilization of Strength Training and Conditioning: A Qualitative Approach Miriam Rosenthal, MS, LAT, ATC, University of Maryland

Evaluating Movement Dysfunctions in Performing Artists Using the Selective Functional Movement Assessment

Jena Hansen-Honeycutt, DAT, LAT, ATC, George Mason University

Do FMS Scores Predict Injury Risk in Collegiate Dancers - A Prospective Analysis Sarah Coogan, MS, LAT, ATC, George Mason University

Sessions, 1:15p.m. - 3:15p.m.

From the Office to the Field: The AT and Multicredentialing Orthopedic Technologists Certified Bridging the Gap, (V), Essential

Presented by the National Association of Orthopaedic Technologists

Katherine Bagnato, LAT, ATC, OTC, BSN Medical

Anthony Lungstrum, ATC, OTC, Missouri Orthopaedic Institute

A Three Year Review of the AT's Understanding and Confidence of Critical Incident Stress Management, (V), Essential

Presented by the NATA ATs Care Committee
David Middlemas, EdD, ATC, CCISM, Montclair State University
Kathleen Scott, MS, ATC, National Athletic Trainers' Association
Patrick Karns, MA, ATC, ProAdvocates

The Relationship of the Team Dentist to the Sports Medicine Team, (I, II, III), Essential Presented by the Academy of Sports Dentistry

Immediate vs Delayed Treatment Hans Stasiuk, DMD, Stasiuk Dentistry

Digital Fabrication of Custom Mouthguards and Oral Appliances Byron Blasco, DMD, Byron Blasco LTD

Shoulder Instability, Clavicle Fractures, AC Joint Injuries to the Contact Athlete, (II, IV), Advanced Presented by the American Orthopedic Society for Sports Medicine
Pre-season, In-Season and Post-Season Management
Brian Busconi, MD, UMass Memorial Health Care

Anterior and Posterior Dislocations
Jennifer Brodeur, MS, ATC, CES, UMass Memorial Health Care

Mid-shaft Clavicle Fractures
Anthony Cerundolo, MS, ATC, LAT, College of the Holy Cross

Feature Presentation, 1:15p.m. - 3:15p.m.

Achilles Heel No Longer! Prevention Strategies and Specific Interventions for Achilles Tendon Injury in Elite Athletes, (I, IV), Advanced

Tendon Basics: A Review of Current Evidence on Importance of Mechanical Load in Tendon, and Implications of Load Tolerance on Injury Prevention, Rehabilitation and Performance Jodi Schneider, MS, ATC, Princeton University

How to Design a Protocol to Assess Tendon Properties and Reduce Tendon Injury Through a Competitive Season

Sarah Lyons, MS, ATC, PES, Stanford University

Effective Implementation of Rehabilitation Techniques to Treat Achilles Tendinopathy in Elite Runners Kimberly Detwiler, MS, ATC, CSCS, University of Colorado

<u>Learning Lab, 1:15p.m. - 3:15p.m.</u>



MARCH Trauma Assessment: Best Practice Recommendations for Implementing the MARCH Assessment in the Pre-Hospital Environment, (II, III), Advanced Edward Strapp, TPc, FPc, ATC, Maryland State Police



Treating Adolescent Throwing Injuries, (II, IV), Essential Herman Hundley, AT, CSCS, Nationwide Children's Hospital

Free Communication Oral Presentations, 1:30p.m. - 3:00p.m.

Risk Factor for Shoulder and Elbow Injuries in Overhead Athletes

Predicting Injury History in High School Pitchers from Two- and Three-Dimensional Kinematics 1:30p.m. - 1:45p.m.

Aaron Struminger, PhD, ATC, Eastern Michigan University

Preseason Neck Mobility is Associated with Throwing-Related Shoulder and Elbow Injury, Pain and Disability in College Baseball Pitchers

1:45p.m. - 2:00p.m.

Laurie Devaney, PT, ATC, PhD, University of Connecticut

Relationship Between Spine and Hip Range of Motion, Hip Strength and Injury Risk in Collegiate Baseball Athletes

2:00p.m. - 2:15p.m.

Steven Tucker, PhD, ATC, University of Central Arkansas

Predictors of Shoulder Injuries in Female Collegiate Swimmers

2:15p.m. - 2:30p.m.

Eric Lippincott, PhD, LAT, ATC, Lock Haven University

The Acute:Chronic Workload Ratio is Associated with Injury in Adolescent Tennis Players 2:30p.m. - 2:45p.m.

Guadalupe Mexicano, ATC, LAT, Texas State University

The Acute: Chronic Internal Workload Ratio in Relation to Joint Pain in Adolescent Tennis Players 2:45p.m. - 3:00p.m.

Kristin Aguilar, ATC, LAT, Texas State University

Free Communication Oral Presentations, 2:00p.m. - 3:15p.m.

Emergency Care Considerations In The Secondary School Setting

Athletic Directors' Perceptions Regarding the Value Of Athletic Trainers Employed in the Secondary School Setting

2:00p.m. - 2:15p.m.

Stephanie Clines, PhD, LAT, ATC, Sacred Heart University

The Odds of Having Venue-Specific Emergency Action Plans When Standing Orders are in Place in Schools with an Athletic Trainer

2:15p.m. - 2:30p.m.

Brad Endres, MS, ATC, CSCS, University of Connecticut

Prevalence of a Best Practice Emergency Action in Montana Class AA Secondary Schools 2:30p.m. - 2:45p.m.

Alexandra Davis, University of Connecticut

Adherence to State Concussion Legislation in High Schools with Varying Levels of Access to Certified Athletic Trainers

2:45p.m. - 3:00p.m.

Jacob Resch, PhD, AT, University of Virginia

Knowledge and Health Behavior of School Nurses' Related to Emergency Action Plans Adoption in Secondary School Athletics

3:00p.m. - 3:15p.m.

Samantha Scarneo, PhD, ATC, Korey Stringer Institute

Special Topic, 2:15p.m. - 3:15p.m.

Marching Band/Color Guard Injuries and Treatment Emphasizing the Role of Athletic Trainers for These Artistic Athletes, (I, II, IV), Advanced

Mary Mundrane-Zweiacher, MPT, ATC, CHT, Premier Physical Therapy and Sports Performance Myofascial Interventions: An Evidence-Based Update, (II, IV), Essential Scott Cheatham, PhD, DPT, ATC, CSU Dominguez Hills

Olympic Lifts in Injury Prevention and Rehabilitation, (I, IV), Essential Brian Gearity, PhD, FNSCA, ATC, Denver University

Free Communication Oral Presentations, 2:30p.m. - 3:30p.m.

Experiences of ATs Providing Medical Care to Elite Athletes

Experiences of Athletic Trainers Working in the Professional Setting 2:30p.m. - 2:45p.m.

Katelyn Zweigle, DAT, LAT, ATC, Indiana State University

Experiences of Athletic Trainers Working in the Professional Setting 2:45p.m. - 3:00p.m.

Nick Spangler, DAT, LAT, ATC, Indiana State University

Collegiate Athletic Trainers' Experiences with External Pressures Faced During Medical Care Decision-Making

3:00p.m. - 3:15p.m.

Alicia Pike, MS, ATC, University of Connecticut

Identification of Professional Values for The Athletic Training Profession: A Pilot Study 3:15p.m. - 3:30p.m.

Carrie Baker, PhD, ATC, University of Tennessee At Chattanooga

Free Communication Oral Presentations, 2:30p.m. - 3:30p.m.

Injury and Wellness In Public Safety Individuals

The Influence of Firefighter Equipment and Gear on Dynamic Postural Stability 2:30p.m. - 2:45p.m.

Roger Kollock, PhD, ATC, CSCS, University of Tulsa

Barriers to Promoting Injury and Illness Prevention in the Fire Service: A Qualitative Report From Fire Chiefs

2:45p.m. - 3:00p.m.

Kenneth Games, PhD, LAT, ATC, Indiana State University

Time-Loss From Work Due to Musculoskeletal Injuries in Public Safety Employees: A Systematic Review 3:00p.m. - 3:15p.m.

Elisa Guerra, DAT, LAT, ATC, University of Arizona

Fire Chiefs Perceived Barriers to Reporting Mental and Behavioral Illnesses in the Fire Service 3:15p.m. - 3:30p.m.

Bradley Jackson, MS, LAT, ATC, Indiana State University

Free Communication Rapid Fire Presentations, 3:15p.m. - 4:15p.m.

Nutrition Related Screening

Disordered Eating Risk and Body Image Dissatisfaction in Physically Active College-Aged Students Courtney Bradley, ATC, SCAT, University of South Carolina

Disordered Eating Behaviors and Body Image Factors Influencing Body Mass Index in Male High School Athletes

Sarah Tracey, Marshall University

Clinical Use of the EAT-26: Prevalence of Eating Disorder Risk in Male and Female Collegiate Student-Athletes During Non-Anonymous Screening

Jordan Crills, LAT, ATC, West Chester University of Pennsylvania

Comparing Blood Serum Values of Vitamin D and Calcium in Division I Female Athletes Katie Lyman, PhD, ATC, NREMT, North Dakota State University

Serum Vitamin D Levels are Less Associated with Bone Mineral Density in Athletes Living in the Southern United States

Jeffrey Parr, PhD, LAT, ATC, University of Southern Mississippi

Special Topics, 3:30p.m. - 4:30p.m.

The Relationship Between Carpal Kinematics and Wrist Pain in the Athlete, (I, IV), Essential Rachel Fraser, OTR/L CHT, Hartford Healthcare

Sessions, 3:30p.m. - 5:30p.m.

Sports Vision Training Theory to Application, (I), Essential Presented by the American Optometric Association - Sports Vision Section Derek Cunningham, OD, Dell Laser Consultants Keith Smithson, OD, Northern Virginia Doctors of Optometry Fraser Horn, OD, Pacific University

Your Profession Under Attack Threats to Your Practice, (V), Advanced Presented by the NATA Government Affairs Committee
Scot Raab, PhD, AT, ATC, Northern Arizona University
Amy Brugge, EdD, LAT, CHDA, Minnesota State University at Mankato
Shannon Fleming, MA, ATC, Board of Certification

Post-Professional Advancement in Athletic Training: Roadmap to the Future, (V), Essential Presented by the NATA Post Professional Education Committee

Educational Pathways in Athletic Training: The Current Road Map Jordan Hamson-Utley, PhD, LAT, ATC, University of St. Augustine for Health Sciences

Educational Pathways in Athletic Training: Making Data-Driven Decisions Bonnie Van Lunen, PhD, ATC, FNATA, Old Dominion University

Educational Pathways in Athletic Training: The Future Road Map Barton Anderson, DHSc, AT, A.T. Still University

Safety, Well-Being and Cheerleading, (I), Essential Understanding Cheerleading and Reducing Injury Rates at all Levels of Cheerleading Karen Lew Feirman, DHSc, LAT, ATC, USA Cheer Summer Ott, PsyD, McGovern Medical School at UT Health

Feature Presentation, 3:30p.m. - 5:30p.m.

Get Off My Back!: Why Moods and Attitudes Are an Important Sport-Related Concussion Consideration, (I, II), Advanced

Getting More From Your Baseline Testing Through Patient-Oriented Outcomes Tamara Valovich McLeod, PhD, ATC, FNATA, A.T. Still University

Emotion Dysregulation: What Is It and Why Should You Care? Melissa Fraser, PhD, ATC, Texas State University

Psychosocial Pressures Experienced by Athletic Trainers: The Effect on Concussion Outcomes and Collaborative Management Strategies

Melissa Kay, MS, ATC, University of North Carolina at Chapel Hill

Neuromuscular Function Concepts, (IV), Advanced Joseph Micca, PT, DPT SCS, Buffalo Bills

Put Your Best Foot Forward: Preventing, Assessing and Treating Common Injuries in Performing Arts, (I, II, IV), Advanced

Gail Ayotte, MSEd, ATC, LAT, Rockettes Radio City Music Hall

FREE COMMUNICATION POSTER PRESENTATIONS

ACL and Meniscal Injury

Brain Activation During Anterior Knee Joint Loading Kyoungyoun Park-Braswell, MS, ATC, University of North Carolina at Greensboro

Clinical Evaluation of Sport-Related Meniscal Pathologies: A Report From the Athletic Training Practice-Based Research Network

Kaitlyn Jones, ATC, A.T. Still University

Effects of Knee Injury History on Femoral Articular Cartilage Response Following a Competitive Rugby Season: A Prospective Observational Study Miyuki Hori, ATC, Ritsumeikan University

Assessment of The Foundational Evidence Supporting the Efficacy of ACL Ipps: A Systematic Review Yu-Lun Huang, MS, ATC, Oregon State University

Effect of Delayed Anterior Cruciate Ligament Reconstruction on the Medial Meniscus: A Critically Appraised Topic

Hayden Lounsbury, Duquesne University

Patient Reported Outcomes for Use of Platelet Rich Plasma in the Treatment of Post Surgical Pain Meghan Maume Miller, MS, ATC, Ohio State University

Cognitive Training Improves Joint Stiffness Regulation and Knee Function in ACLR Patients Yong Woo An, PhD, ATC, New Mexico State University

Relationship Between Quadriceps Corticomotor and Neuromechanical Function After ACL Reconstruction

Sarah Scheurer, MS, ATC, University of Toledo

Acute Upper Extremity Case Studies

Posterior Shoulder Instability in a Professional Basketball Player: A Level 3 CASE Report Michelle Anumba, PT, DPT, University of Texas at Arlington

Acute Subluxation and Multi-Directional Instability in a Male, Collegiate Basketball Patient: A Level 3 Exploration Case Study

Connor Burton, DAT, LAT, ATC, Indiana State University

Acromioclavicular Joint Sprain in a College Football Athlete Robert Fouda, Florida Gulf Coast University

Bilateral Sternoclavicular Joint Reconstruction in a Collegiate Swimmer with Chronic Sternoclavicular Joint Instability

Hanna Mundy, MS, ATC, The Steadman Clinic

Outpatient Clinic Setting: Thoracic Pain in a Recreational Weightlifter Joanna Mcclelland, MS, LAT, ATC, University of Florida

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Sagittal Ankle ROM Gain During Squats Associated with Increased Frontal Hip and Transverse Knee ROM for Chronic Ankle Instability Individuals

Christine Samson, PhD, ATC, Southern Utah University

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Corticomotor Excitability in the Lower Extremity Musculature in Individuals with Chronic Ankle Instability: A Systematic Review and Meta-Analysis Ashley Suttmiller, MSEd, ATC, Old Dominion University

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Idiopathic Intracranial Hypertension in a Collegiate Softball Player: A Case Report Adam Thompson, PhD, LAT, ATC, Indiana Wesleyan University

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Plantar Plate Fracture in Male Collegiate Football Player Joel Acosta, Florida International University Spontaneous Knee Effusion in an Adolescent Soccer Player: Level 4 Case Study Christopher Joyce, PhD, ATC, LAT, University of North Florida

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Katelyn Waring, University of Lynchburg

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Dynamic Postural Stability Deficits in Collegiate Athletes with a History of Concussion Nicholas Heebner, PhD, ATC, University of Kentucky

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Ultrasound Imaging of Neck Musculature in Individuals With and Without History of Concussion
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The Influence of Concussion History on Kinesiophobia in Collegiate Athletes Kyle Manetz, University of Virginia

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Effect of Concussion History on Instrumented and Clinical Balance Performance Jennifer Gaudet, LAT, ATC, Apache Junction High School

The Treatment of Sports-Related Concussion with Co-Morbid Whiplash: A Systematic Review Rebecca Ramirez-Mckinley, DAT, LAT, ATC, Salve Regina University

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The Effects of Aerobic Exercise on Post-Concussion Symptoms in Patients with Persistent Symptoms Timothy Kulpa, DAT, LAT, ATC, Temple University

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The Relationship Between the Impact and Senaptec Neurocognitive Assessments Lexus Blunt, MS, AT, Ohio University

Clinical Utility of The Senaptec Sensory Station, Impact and King-Devick as Concussion Assessment Tools Michelle Spataro, Ohio University

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The Influence of Gender Differences on Neck Strength and Head Acceleration During Soccer Heading: A Systematic Review

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Concussion Prevention Strategies: A Survey of Division I and Division II Female Soccer Teams Kori Jeffries, MS, LAT, ATC, University of Nevada at Las Vegas

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The Role of Curricular Content and Influential Factors on the Interest of Professional Post-Baccalaureate Athletic Training Students' in a Doctor of Athletic Training Degree Emma Hoffman, Old Dominion University

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The Effect of Previous Medical History on Student-Athlete Quality of Life Rachael Watkins, University of Lynchburg

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The Relationship Between Knee Joint Biomechanics and Single Leg Hop Performance in High School Athletes

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Influence of Anticipation and Dual-Tasking on Cutting Biomechanics in Healthy Males Grant Norte, PhD, AT, ATC, University of Toledo

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The Effects of a Fatiguing Run on Dynamic Balance Jessica Tom, LAT, ATC, University of Nevada at Las Vegas

Relationship Between Functional Hop Performance and ACL-Injury Related Knee Biomechanics in the Sagittal Plane During a Single-Leg Jump Cut Colin Mulligan, MA, ATC, Oregon State University

Acute and Delayed Effects of Fatigue on Biomechanical Risk Factors for ACL Injury Darin Padua, PhD, ATC, University of North Carolina at Chapel Hill

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Mackenzie Haines, MS, ATC, University of Toledo

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Kathleen Hogan, ATC, LAT, Old Dominion University

Optimal Therapeutic Interventions Administered by Athletic Trainers in the Management of Pain and Function From Plantar Fasciitis: A Systematic Review Bailey Liedel, Saginaw Valley State University

Plantar Pressure Analysis in Walking Orthoses After 1st Metatarsophalangeal Joint Arthrodesis Dana Johnson, MEd, ATC, University of Virginia

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Risk Classification of Army Reserve Officer Training Corps Cadets Based on FMS and Y-Balance Performance Testing

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Functional Movement Screen Improvement Over a 3 Month Period in Army Reserve Officer Training Corps

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Examining the Functional Movement Screen and Y Balance Test Scores in a Cohort of Intercollegiate Athletes Before and After a Training Intervention Jenna Liljeberg, MS, CSCS, University of Delaware

Whole-Body Reactive Agility Asymmetries Among Athletes with Concussion History are Modifiable Gary Wilkerson, EdD, ATC, FNATA, University of Tennessee at Chattanooga

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Brandon Warner, MEd, LAT, ATC, University of Texas at Tyler

Complex Regional Pain Syndrome in a Middle School Female Field Hockey Player Mallory Winkler, LAT, ATC, Baylor Scott & White Texas Spine & Joint Hospital-Azalea Orthopedics

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The Effects of Soft Tissue Flossing on Hamstring Flexibility and Lower Extremity Power Zachary Maust, University of Lynchburg

Lower Extremity Injury Following a Hamstring Strain in Division 1 Collegiate Football Athletes Jennifer Sanfilippo, MS, LAT, University of Wisconsin at Madison

Patients with Unilateral Anterior Knee Pain Present Bilateral Deficits in Quadriceps Neuromuscular Function and Hip Joint Flexibility: A Cross-Sectional Study Sungwan Kim, Kyung Hee University

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A Salter-Harris Type II Fracture of the Distal Femoral Epiphysis in an Adolescent Athlete: A Case Study Katherine Helly, LAT, ATC, University of Kentucky

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Madison Johnston, University of Nebraska at Omaha

Anterior Cruciate Ligament Rupture During Syndesmotic Ankle Sprain Return to Play in a Female Soccer Athlete: A Case Study

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Pseudogout in a 19-Year Old Division I Collegiate Female Soccer Player Kathryn Calpino, PT, DPT, SCS, Salem State University

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Knee Injury in a High School Football Player Sarah Williams MS, ATC, LAT, University of Kentucky Orthopaedic Surgery and Sports Medicine

Dislocation of Right Knee with ACL and PCL Avulsion, MCL Tear, Menisci Tears and Tibial Plateau Fracture in a Collegiate Football Athlete
Josh Sanders, Florida International University

Lateral Meniscus Transplant and Osteochondral Allograft Transplant in an Olympic Ski Racer James Volz, MS, ATC, LAT, Steadman Clinic

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Improvements in Perceived Self-Efficacy Toward Injury Prevention Program Participation Following a Multi-Factorial Intervention Based on the Health Belief Model: A Pilot Study Emily Gabriel, PhD, ATC, Mercer University

Exposure to Movement Challenges is Not Adequate to Ensure the Development of High-Quality Movement Patterns

Karen Peck, Med, ATC, CCRP, Keller Army Community Hospital

Ankle Sprain Prevention in Football Players Using Hip Strengthening and Balance Training: A Numbers Needed to Treat Analysis

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Exploring the Relationship Between Weight-Bearing Dorsiflexion and Lower Extremity Injury Rates in Collegiate Football Athletes: A Clinical Case Series Jennifer Gordon, Ithaca College

Exploring the Effects of Limb Dominance and Injury History on Weight-Bearing Dorsiflexion Asymmetry: A Clinical Case Series Katelyn Dolan, Ithaca College

Relationship Between Dorsiflexion Asymmetries and Lower Extremity Injuries in Collegiate Women's Lacrosse Players: A Clinical CASE Series Janie Kleinberg, Ithaca College

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Megan Houston, PhD, ATC, Keller Army Hospital

Synthetic Model Knee and Lachman Test Accuracy: The Role Years of Experience, Profession and Given Integrity Fulfill

Megan Brady, EdD, LAT, ATC, Drake University

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Steven Davi, MS, ATC, University of Connecticut

Quadriceps Strength is Greater in Individuals with Greater Single Limb Squat Depth at Time of Return-to-Sport Following ACL Reconstruction

Emma Hoffman, MSAT, LAT, ATC, Texas Health Sports Medicine

Effects of Anterior Cruciate Ligament Reconstruction on Patellofemoral Joint Stress and Lower Extremity Biomechanics at 12 Weeks Post-Surgery and at Time of Return-to-Sport in Adolescent Females Shiho Goto, PhD, ATC, Texas Health Sports Medicine

Sensory Reweighting in ACL Reconstructed Patients: Analysis of a Single Leg Triple Jump Proprioceptive Task

Dustin Grooms, PhD, ATC, CSCS, Ohio University

Kinematic and Kinetic Differences During the Y Balance Test™ in ACL Reconstructed Individuals Meredith Decker, MS, ATC, LAT, University of Texas at Arlington

Can Lower Extremity Assessment Protocol Be More Efficient to Detect Deficits After Anterior Cruciate Ligament Reconstruction?

Hyung-Gyu Jeon, PES, Dong-A University

Comparison of Drop Jumping in Individuals Following ACL Reconstruction with Quadriceps Tendon and Patellar Tendon Autografts

Jennifer Hunnicutt, PhD, ATC, Emory University

Demographic and Surgical Factors Influence Readiness for Sport During the First 2 Years After ACL Reconstruction.

Christopher Kuenze, PhD, ATC, Michigan State University

Quadriceps Strength and Plyometric Characteristics Predict Hop Performance After ACL Reconstruction Thomas Birchmeier, MS, ATC, Michigan State University

Joint Position Sense in ACL Reconstructed Patients Across Open and Closed Chain Tasks Sarah Hall, MEd, ATC, University of Virginia

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Relationship Between Hamstrings Strength Indices and Self-Reported Knee Function After ACL Reconstruction

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Bruin Armwald, MS, LAT, ATC, Penn State University

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Kimberly Penilla, MS, ATC, Select Medical Physical Therapy, Disneyland Resort

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Christopher Wilkins, Youngstown State University