

- 5:00-5:50 TUTORIAL SESSION IV (Amphitheater)**
T4 Dynamics of Pre-Health Screening: Application of Current ACSM Guidelines
- 7:30-9:00 OPENING REMARKS AND KEYNOTE ADDRESS (Chattanooga Ballroom 1,2,3,4)**
Is the Revolution Underway? The Use of Genetics in Exercise Physiology
 Tim Lightfoot, Ph.D., SEACSM Past President
 Huffines Institute at Texas A & M
 Presiding: Michael McKenzie, Ph.D., SEACSM President, Winston-Salem State University
 Introduction: Michael McKenzie, Ph.D., SEACSM President, Winston-Salem State University
- 9:00-10:30 SEACSM SOCIAL (Lobby)**
- FRIDAY, February 16, 2018**
- 6:45-7:45 MENTORING BREAKFAST (Chattanooga Ballroom 1,2,3,4)**
(Pre-Register by February 5)
 Naming of Breakfast in Honor of Emily Haymes, Ph.D., SEACSM Past President
 Remarks: Judith A. Flohr, Ph.D., SEACSM Past President
- 8:00-5:00 REGISTRATION AND STUDENT HELP DESK (Lobby)**
- 8:00-6:00 EXHIBITS (Conference Concierge)**
- 8:00-9:30 POSTER FREE COMMUNICATIONS II (Ballroom Foyer)**
P49-P120 Athletic Care/Trauma/Rehabilitation Fitness/Testing/Assessment
 Motor Control Respiratory Physiology
- 8:00-9:30 THEMATIC POSTERS SESSION II (Ochs)**
TP7-TP12 Competitive Athletes
- 8:00-10:00 ORAL FREE COMMUNICATION II (Kelley)**
09-O16 Biomechanics/Gait/Balance
- 8:00-8:50 SYMPOSIUM SESSION V (Walker)**
S5 Multifaceted Regulation of Skeletal Muscle Growth, Regeneration, and Metabolism
- 8:00-8:50 SYMPOSIUM SESSION VI (Rose)**
S6 Visual System Impairments Following Sport-Related Concussion: Updates from the Consensus Statement
- 8:00-8:50 TUTORIAL SESSION V (Roberts)**
T5 Automating Data Collection on the Cheap with Microprocessor and Microcontroller Technologies
- 8:00-8:50 TUTORIAL SESSION VI (Amphitheater)**
T6 Carbohydrate Intake During Endurance Exercise: Scientific Approaches to Optimize Athletic Performance
- 9:00-9:50 SYMPOSIUM SESSION VII (Walker)**
S7 Low Carbohydrate-High Fat Diets for Endurance Athletes: Have We Focused on the Wrong Population?
- 9:00-9:50 TUTORIAL SESSION VII (Rose)**
T7 Got Gold? Everything You Wanted to Know About the Updated ACSM Certifications and More
- 9:00-9:50 TUTORIAL SESSION VIII (Roberts)**
T8 From Graduate Student to Assistant Professor and Everything in Between
- 9:00-9:50 TUTORIAL SESSION VIII (Amphitheater)**
T9 Autonomic Adjustments to Physical Stress: Insights from Microneurographic Recordings
- 10:00-11:00 ANDREW KOZAR ACSM PRESIDENTIAL ADDRESS (Chattanooga Ballroom 1,2,3,4)**
The State of the American College of Sports Medicine
 Walter Thompson, Ph.D., President ACSM, Georgia State University
 Presiding: Michael McKenzie, Ph.D., SEACSM President, Winston-Salem State University
 Introduction: Michael McKenzie, Ph.D., SEACSM President, Winston-Salem State University
- 11:10-12:00 CLINICAL CROSSOVER LECTURE (Chattanooga Ballroom 1,2,3,4)**
Stepping Back to Move Forward: Diabetes Prevention in the 21st Century
 Elizabeth Joy, M.D., M.P.H., ACSM Past-President, Intermountain Healthcare

Medical Director, Community Health & Food and Nutrition
Presiding: Michael McKenzie, Ph.D., SEACSM President, Winston-Salem State University
Introduction: Kenneth Barnes, M.D., M.Sc., Clinical Representative, Greensboro Orthopaedics

12:00-1:00 PAST PRESIDENT'S LUNCH (Crabtree)

12:30-1:15 BIOMECHANICS INTEREST GROUP (Roberts)

Hunter Bennett, Ph.D., Old Dominion University
Zac Domire, Ph.D., East Carolina University

12:30-1:15 MINORITY HEALTH AND RESEARCH INTEREST GROUP (Kelley)

Lyndsey Hornbuckle, Ph.D., University of Tennessee
Alvin Morton, M.S., University of Tennessee

SEACSM CLINICAL TRACK Amphitheater)

"Hot Topics in Sports Medicine"

12:30 pm **Welcome and Announcements**

Matthew Close, DO (Health Fit Sports Medicine)

12:45 pm "Icarus and Asclepius: Doping and the Role of the Physician" Kevin Sprouse, DO (Podium Sports Medicine)

1:15 pm "Fueling an Athlete" Kim Kaiser, MD (U. of Kentucky)

1:45 pm "Mid-shaft Clavicle Fractures: To Fix or Not to Fix?" David Liddle, MD (Vanderbilt University)

2:15 pm **Break**

2:45 pm Fellow Case #1-PJ Bourde, Vanderbilt: The Breaking Pitch

3:00 pm Fellow Case #2-Jenna Crowder-GHS: Bilateral Exertional Leg Pain in a High School Athlete

3:15 pm Fellow Case #3-Daniel Smith-Phoebe: An Unusual Contributor to DeQuervain's Tenosynovitis: A Case Study

3:30 pm "Bullying and hazing in the Adolescent Athlete" Alex B. Diamond, DO MPH FAAP (Vanderbilt University)

4:00 pm **Break**

4:15 pm "The Female Athlete Triad: Recommendations for Screening, Evaluation, Management and Return to Play" Liz Joy, MD (Intermountain Healthcare)

5:15 pm "Neuro-vestibular Rehabilitation Following Concussion" Amadeus Mason, MD (Emory University)

5:45 pm Adjourn

6:15-7:15 **CLINICAL TRACK RECEPTION (Game Room)**

Sponsored by XXXX

1:15-2:15 BASIC SCIENCE LECTURE 2018 (Chattanooga Ballroom 1,2,3,4)

Physiology of Motorsport Athletes

Michael Reid, Ph.D., Dean and Professor of the College of Health and Human Performance
University of Florida

Presiding: Michael McKenzie, Ph.D., SEACSM President, Winston-Salem State University

Introduction: Michael McKenzie, Ph.D., SEACSM President, Winston-Salem State University

2:30-4:00 POSTER FREE COMMUNICATIONS III (Ballroom Foyer)

P121-P192 Body Composition/Energy Balance/Weight Control

Nutrition and Exercise/Sports

Psychology/Psychiatry/Behavior

2:30-4:00 THEMATIC POSTERS SESSION III (Ochs)

TP13-TP18 Biomechanics/Gait/Balance

2:30-4:30 ORAL FREE COMMUNICATION III (Kelley)

017-023 Athletic Care/Trauma/Rehabilitation

- 2:30-3:20 S8 SYMPOSIUM SESSION VIII (Walker)**
Fitness Essential to the Mission? The Shift in Military Physical Fitness in the 21st Century
- 2:30-3:20 S9 SYMPOSIUM SESSION IX (Rose)**
Validity and Practical Utility of 3D Body Fat Scanners
- 2:30-3:20 T10 TUTORIAL SESSION X (Roberts)**
Hey Kid! Go Take a Hike!: Strategies to Get Children and Youth Outside and Active
- 3:30-4:20 S10 SYMPOSIUM SESSION X (Walker)**
Theory and Practical Application of the ISAK Protocol: Kinanthropometry from the Lab to the Field
- 3:30-4:20 T11 TUTORIAL SESSION XI (Rose)**
How to Interpret Near-Infrared Spectroscopy Measurements of Oxygen Levels from Skeletal Muscle
- 3:30-4:20 T12 TUTORIAL SESSION XII (Roberts)**
Experiential Learning Can Help the Next Gen Win
- 4:30-6:00 STUDENT BOWL SPONSORED BY GANNON UNIVERSITY (Chattanooga Ballroom 1,2,3,4)**
MC: Judith A. Flohr, Ph.D., SEACSM Past President
Professor Emeritus James Madison University
- 6:15-7:45 SEACSM GRADUATE STUDENT FAIR SPONSORED BY NOVA SOUTHEASTERN UNIVERSITY (Walker and Rose)**

SATURDAY, February 17, 2018

SEACSM CLINICAL TRACK (Amphitheater)

"Hot Topics in Sports Medicine"

- 7:30 Welcome and Announcements: Matthew Close, DO (Health Fit Sports Medicine)
- 7:45 Overuse Throwing Injuries in Adolescents & Pitch Counts: Is the Answer in Front of Us?" Jason Zaremski, MD CAQSM FACSM FAAPMR (U. of Florida)
- 8:15 "Hip Injuries in Athletes and Weekend Warriors" Stephen Duncan, MD (U. of Kentucky)
- 8:45 "Stem Cells Evidence Based Medicine: Is the Evidence There Yet?" Andrew Gregory, MD (Vanderbilt University)
- 9:15 **Break**
- 9:45 Fellow Case #4 –Andrew Schleihauf-UK-19-Year Old Female Collegiate Soccer Goalie with Left Arm Cramping and Discoloration
- 10:00 Fellow Case #5 –Elizabeth Barton-GHS-Leg Pain in a Recreational Athlete
- 10:15 Fellow Case #6-Timothy Dekker-Mayo-Wrist Pain in Mechanic-Volleyball and Softball
- 10:30 Tendinopathy: Treatment and Research Ideas" David Berkoff, MD (U. of North Carolina)
- 11:00 **Break**
- 11:15 "Experiences of an International Traveling Fellow: United Kingdom 2017" Ken Barnes, MD MSc. CAQSM FACSM (Greensboro Orthopaedics)
- 11:45 Fellow Case #7 –Paul Meirick-Vanderbilt-Thumb Pain in a CrossFit Athlete: Collateral Damage?
- 12:00 Fellow Case #8-Jeremy Schmitz-Cone-Basketball: A Contact Sport After All
- 12:15 Fellow Case #9-Victor Ratajczak-Cabarrus Sports Medicine-My Shoulder is Eating into my Wrestling Season
- 12:30 Voting for Best Case Presentation
- 12:45 Adjourn
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- 6:30-7:30 YOGA (Crabtree) Must Pre-Register at Student Help Desk (Lobby)**
- 6:30-7:30 Run through Downtown Chattanooga (Meet in Lobby)**
- 8:00-12:00 EXHIBITS (Conference Concierge)**
- 8:00-9:25 POSTER FREE COMMUNICATIONS IV (Ballroom Foyer)**
P193-P264 Biomechanics/Gait/Balance
Competitive Athletes
Connective Tissue/Bone/Skeletal Muscle
- 8:00-9:30 THEMATIC POSTERS SESSION IV (Ochs)**
TP19-TP24 Cellular Regulatory Mechanisms
- 8:00-10:00 ORAL FREE COMMUNICATION IV (Kelley)**
024-O31 Nutrition and Exercise/Sports
- 8:00-8:50 TUTORIAL SESSION XIII (Walker)**
T13 Tracking Athlete Training Load: It Takes a Village to Monitor a Team
- 8:00-8:50 TUTORIAL SESSION XIV (Rose)**
T14 Hello Professors: Engaging Students and Teaching Through the Gaps of Knowledge
- 9:00-9:50 TUTORIAL SESSION XV (Walker)**
T15 Animal Research and Training for Exercise Science Professions!
- 9:00-9:50 TUTORIAL SESSION XVI (Rose)**
T16 Socioeconomic Status, Concussion and Adolescents: How to Work with a Growing Population
- 9:00-9:50 SYMPOSIUM SESSION XI (Roberts)**
S11 The Utility of Heart Rate Variability Monitoring in Athletic Settings: From the Laboratory to the Field
- 9:30-11:00 POSTER FREE COMMUNICATIONS V (Ballroom Foyer)**
P265-P336 Cardiovascular Physiology Cellular Regulatory Mechanisms
Chronic Disease and Disability Environmental Physiology
Exercise Evaluation/Clinical Hematology/Immunology
Metabolism/Carbohydrate, Lipid, Protein
- 10:00-10:50 TUTORIAL SESSION XVII (Walker)**
T17 Lactate Metabolism: History and Update
- 10:00-10:50 TUTORIAL SESSION XVIII (Rose)**
T18 Training Sports Officials: An Exciting, Yet Relatively New Opportunity in Exercise Science and Sports Performance
- 10:00-10:50 TUTORIAL SESSION XIX (Roberts)**
T19 Evaluating Biometric Wearables: From Academics to Industry
- 11:00-12:00 HENRY J. MONTOYE AWARD LECTURE 2018 (Walker)**
Health to Higher Performance: Research at the Intersection of Nutrition & Physical Activity
Janet W. Rankin, Ph.D., FACSM, ACSM Past President, Virginia Tech University
Presiding: Michael McKenzie, Ph.D., SEACSM President, Winston-Salem State University
Introduction: John Quindry, Ph.D., SEACSM Past President, University of Montana
- 12:00-2:00 SEACSM LUNCHEON AND LECTURE (Chattanooga Ballroom 1,2,3,4)**
(Pre-Register by Feb 5)
It's Not Always Sunny Side Up! Lessons Learned from Preschool Physical Activity Interventions
Sofiya Alhassan, Ph.D., FACSM
Director, Pediatric Activity Laboratory
University of Massachusetts
Presiding: Michael McKenzie, Ph.D., SEACSM President, Winston-Salem State University
Introduction: Michael McKenzie, Ph.D., SEACSM President, Winston-Salem State University

2:00-4:00 SEACSM EXECUTIVE BOARD MEETING (Kinsey)

1/16/18