Thursday, January 24, 2019

SECTION ON HEALTH POLICY AND ADMINISTRATION PLATFORM PRESENTATIONS 1
8:00 am–10:00 am
Moderator: Jason Falvey, PT, DPT
Board-Certified Clinical Specialist in Geriatric Physical Therapy

Anxiety and Depression Are Associated With Increased Health Care Utilization in Low Back Pain
Presenter: Anna Bailes, BS

Effects of “On the Move” Exercise Program on Falls and Health Care Utilization in Older Adults
Presenter: Peter Coyle, PT, DPT

Enhancing the Role of Physical Therapy in Value-Based Care Transitions: A Quality Improvement Project
Presenter: Audrey Johnson, PT, DPT

Primary Care Physician Referrals to Physical Therapy for Spine Conditions, 2006-2015
Presenter: Samannaaz Khoja, PT, PhD

Presenter: Samannaaz Khoja, PT, PhD
Impact of Administrative Burden on Outpatient Physical Therapy for Patients With Non-Specific Low Back Pain
Presenter: Janet Dolot, PT, DPT, DrPH

ACADEMY OF ORTHOPAEDIC PHYSICAL THERAPY PLATFORM
PRESENTATIONS 1
8:00 am–10:00 am
Moderator: Amee Seitz, PT, DPT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

A Descriptive Analyses of a Staged Algorithm for Rehabilitation in Patients Seeking Direct Access to Physical Therapy for Shoulder Disorders
Presenter: Chandler Gordon, PT, DPT

Differentiating Symptom Irritability Classification Levels With Three Patient-Reported Outcome Instruments
Presenter: Stephen Kareha, PT, DPT, ATC
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Certified Mulligan Concept Practitioner
Certified Strength and Conditioning Specialist

Supraspinatus Stress and Strain Across Arm Elevation
Presenter: Paula Ludewig, PT, PhD, FAPTA

Kinematic Mechanisms of Scapulothoracic Upward Rotation
Presenter: Rebekah Lawrence, PT, DPT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Kinematics of Shoulder, Trunk, Pelvis, and Hip While Reaching Forward to Progressively Distant Targets
Presenter: Bradley Myers, PT, DPT, DSc

A Study of the Accuracy of Physical Therapists Palpating the Long Head of the Biceps Tendon
Presenter: Amy McDevitt, PT, DPT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Fellow of the American Academy of Orthopaedic Manual Physical Therapists

Scapular Movement Impairments in Individuals With Subacromial Pain Syndrome Based on Scapular Assistance Test and Scapula Reposition Test Outcomes
Functional Recovery of Patients With Full Thickness Rotator Cuff Tears Discharged From Physical Therapy
Presenter: Federico Pozzi, PT, MA, PhD

ACADEMY OF ACUTE CARE PHYSICAL THERAPY PLATFORM PRESENTATIONS
1: RESEARCH EXCELLENCE IN CLINICAL PRACTICE
11:00 am–1:00 pm
Moderator: Barbara Smith, PT, PhD

Influence of Vestibular Diagnosis and Management on Recommended Discharge Environment for Hospitalized Inpatients
Presenter: Kerry Lammers, PT, DPT

Detecting High-Risk Behaviors via Coding of Depth Sensor Videos for Fall Prevention
Presenter: James Williamson, SPT

Screen for Trauma Associated Concussion (STACon): Preliminary Findings
Presenter: Stephanie Sparrow, PT, DPT

The Early Mobilization of Critically Ill Patients With Traumatic Injuries Reduces Cost and Accelerates Recovery
Presenter: Chelsea Skalkowski, PT, DPT

Mobility Change Is More Predictive of Discharge Disposition Than Payer Group in the Critical Care Population
Presenter: Danica Dummer, PT, DPT

Patellar Tendon Morphology in Trans-Tibial Amputees Utilizing a Prosthesis With a Patellar-Tendon-Bearing Feature
Presenter: Michelle Evers

Interrater Reliability of Muscle Ultrasonography Image Acquisition and Analysis in Patients With and Recovering From Critical Illness
Presenter: Kirby Mayer, PT, DPT
ACADEMY OF GERIATRIC PHYSICAL THERAPY PLATFORM PRESENTATIONS 1
11:00 am–1:00 pm

Moderator: Jessie VanSwearingen, PT, PhD, FAPTA

Physical Therapy Improves Functional Performance in Medicare Patients With a Primary Diagnosis of Dementia
Presenter: Cherie LeDoux, PT, DPT

Generalization of Treadmill-Slip Perturbation Training to Prevent a Laboratory-Induced Novel Slip During Over-Ground Walking Among Older Adults: A Randomized Controlled Trial
Presenter: Yiru Wang, MS

Implementation of a High-Intensity Rehabilitation in Skilled Nursing Facilities: Preliminary Results
Presenter: Allison Gustavson, PT, DPT

A Clinically Applicable Measure of Functional Power and Movement Velocity Discriminates Fall History Better Than the Berg Balance Scale and Comparably to the Activities Specific Balance Confidence Scale Among Community Dwelling Older Adults
Presenter: Jennifer Vincenzo, PT, MPH, PhD

Investigating the Impact of an Innovative Intergenerational Physical Activity Program on Older Adults and Children 6 to 12 Years Old
Presenter: Nicole Dawson, PT, PhD
Board-Certified Clinical Specialist in Geriatric Physical Therapy

Quality of Life and Balance Confidence Associated With Participation in a Physical Therapist-Led Community Exercise Program for People With Parkinson’s Disease
Presenter: Maegan Olivos, PT, DPT, MPH

Interprofessional Collaborative Practice in the Establishment of a Wellness Program: A Case Report
Presenter: Suzana Simoes, PT, DPT

The Effect of Equine-Related Therapy on Physical and Psychological Well-Being of Older Adults: A Systematic Review
Presenter: Jennifer Schwartz, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Walk with Ease™: A Community-Based Approach to Improving Dynamic Balance, Decreasing Fall Risk, and Increasing Physical Activity in People With Osteoarthritis
Presenter: Gina Pariser, PT, PhD

SECTION ON HEALTH POLICY AND ADMINISTRATION PLATFORM
PRESENTATIONS 2
11:00 am–1:00 pm
Moderator: Jason Falvey, PT, DPT
Board-Certified Clinical Specialist in Geriatric Physical Therapy

Qualitative Effects of Cultural Immersion on the Education of Health Care Professionals: A Systematic Review
Presenter: Lisa Barnes, PT, DPT, PhD

Chronic Low Back Pain Experiences of Low-Income Immigrants in an Hispanic Community in Midvale, Utah, and Their Relevance to Physical Therapy Practice
Presenter: Katey Blumenthal, PT, DPT, MA

Academic Appointment for Physical Therapist Clinicians in a University and Hospital Partnership
Presenter: Peter McMenamin, PT, DPT, MS

Assessment of a Student-Led Health Promotion Program for Individuals Recovering From Substance Abuse: Evaluation of an Education and Exercise Class Using Participant Self-Efficacy for Exercise
Presenter: Emily Wirdzek, SPT

ACADEMY OF ORTHOPAEDIC PHYSICAL THERAPY PLATFORM
PRESENTATIONS 2
11:00 am–1:00 pm
Moderator: Amee Seitz, PT, DPT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Changes in Clinician Attitudes, Beliefs, and Confidence About Low Back Pain Management: Results From TARGET Trial Psychologically Informed Physical Therapy Training Course
Presenter: Jason Benefiuk, PT, MPH, PhD

Psychologically Informed Physical Therapy for Patients Following Lumbar Spine Surgery: A Randomized Clinical Trial
Presenter: Kristin Archer, PT, DPT, PhD

Associations Between Trunk Muscle Function, Physical Performance, and Community Participation in Adults With Lower-Limb Amputation: A Preliminary Data Analysis
Presenter: Emma Beisheim, PT, DPT

Short- and Long-Term Effects of Skill Training vs Strength and Flexibility Exercise on Knee, Hip, and Lumbar Spine Kinematics in People With Chronic Low Back Pain
Presenter: Quenten Hooker, MS

Prognostic and Moderating Role of Resilience and Risk Factors in Patients Receiving a Cognitive-Behavioral Based Physical Therapy Intervention After Lumbar Spine Surgery
Presenter: Rogelio Coronado, PT, PhD

Fear-Beliefs and Low Back Pain-Related Disability Help Explain Immediate Response to Neuromuscular Electrical Stimulation in Adults With Low Back Pain
Presenter: Jaclyn Sions, PT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Severity of Low Back Pain-Related Disability in Individuals With Non-Arthritic Hip Disease
Presenter: Morgan Alexander, PT, DPT

Hip Strength Predicts Function Among Adults With Chronic Low Back Pain With and Without Hip Pain
Presenter: Abdulmohsen Alroumi, MSc

ACADEMY OF PHYSICAL THERAPY EDUCATION PLATFORM PRESENTATIONS
1
11:00 am–1:00 pm
Moderator: Kathleen Rockefeller, PT, MPH, ScD

Perceived Benefits and Costs of Hosting a Physical Therapist Student Clinical Education Program
Presenter: Cori Arquines, PT, BS, BA

Student Self-Assessment of Professionalism for Nine Cohorts Before and After Clinical Education Experiences
Presenter: Carolyn Ticker, SPT

The Impact of International, Cross-Cultural Clinical Education on Physical Therapy Students: A Research Report
Presenter: Maggie Schumacher, PT, DPT

Student Clinical Immersion Into a Comprehensive Interprofessional Medical Clinic
Presenter: Patrick Pabian, PT, DPT
Board-Certified Clinical Specialist in Sports Physical Therapy
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Academic-Clinical Partnership Assessment: Enhancing Quality, Capacity, and Satisfaction in Clinical Education
Presenter: Adam Paynter

Physical Therapy Student Perspectives on Inter-Professional Collaboration and Practice During Clinical Education
Presenter: Miriam Cortez-Cooper, PT, MA, PhD

Characterizing a Novel Clinical Education Experience in the Emergency Department/Observation Unit of an Urban Academic Hospital
Presenter: Kyle Strickland, PT, DPT

ACADEMY OF NEUROLOGIC PHYSICAL THERAPY PLATFORM
PRESENTATIONS 1
3:00 pm–5:00 pm
Moderator: Jill Stewart, PT, PhD

Feasibility and Treatment Effect of Cognitive Behavioral Therapy for Insomnia Conducted by Physical Therapist in Individuals With Multiple Sclerosis
Presenter: Catherine Siengsukon, PT, PhD

Feasibility, Acceptability, and Effectiveness of Telephone-Delivered Exercise Therapy to Target Multiple Sclerosis Fatigue
Presenter: Nora Fritz, PT, DPT, PhD
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Effect of Cerebellar Transcranial Direct Current Stimulation in Cervical Dystonia
Presenter: Rebekah Summers, PT, DPT

Relationship Between Gait and Balance in People With Spinocerebellar Ataxia Type 6
Presenter: Jeannie Stephenson, PT, PhD
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Configurations of the Six-Minute Walk Test for People With Parkinson Disease: Do the Number of Turns Matter?
Presenter: Joseph Russo, PT, DPT

A New Way of Measuring Dual Task Cost: The Construct Validity of the Comprehensive Dual Task Cost Equation in Individuals With Parkinson’s Disease
Presenter: Jason Longhurst, PT, DPT, MSCS
Board-Certified Clinical Specialist in Neurologic Physical Therapy

The Effects of Auditory Cues on Gait Mechanics in Parkinson’s Disease
Presenter: Madelon Wygand

What Makes a Group Fitness Program for People With Parkinson’s Disease Endure? A Mixed Methods Study of Multiple Stakeholders
Presenter: Rosa Torres-Panchame, PT, DPT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

ACADEMY OF PEDIATRIC PHYSICAL THERAPY PLATFORM PRESENTATIONS 1
3:00 pm–5:00 pm
Moderator: Charlotte Yates, PT, PhD
Board-Certified Clinical Specialist in Pediatric Physical Therapy

Presenter: Carole Tucker, PT, PhD
Board-Certified Clinical Specialist in Pediatric Physical Therapy

Low-Intensity Versus High-Intensity Home-Based Treadmill Training and Walking Attainment in Young Children With Cerebral Palsy
Presenter: Katrin Mattern-Baxter, PT, DPT
Board-Certified Clinical Specialist in Pediatric Physical Therapy

The Hand Motor Actions of Children With Cerebral Palsy Involve Atypical Sensorimotor Cortical Oscillations
Presenter: Rashelle Hoffman, PT, DPT
Board-Certified Clinical Specialist in Geriatric Physical Therapy

Longitudinal Changes in Physical Caregiving for Parents of Children With Cerebral Palsy
Presenter: Mohammed Alghamdi, PT, MS

Metabolic Response of Individuals With Cerebral Palsy to Sequential ‘Six Minute Walk Tests: A Pilot Study
Presenter: Melodie Kondratek, PT, DScPT
Orthopedic Manual Physical Therapist
Influence of a Dual-Task on Prefrontal Cortical Activation in Children With Hemiplegic Cerebral Palsy  
**Presenter:** Swati Surkar, PT, MS

Relationship of Rehabilitation Services to Children With Cerebral Palsy’s Development  
**Presenter:** Sarah McCoy, PT, PhD, FAPTA

Therapists’ Views on Age and Cognitive Skills for Power Mobility in Children: A Qualitative Study  
**Presenter:** Lisa Kenyon, PT, DPT, PhD
Board-Certified Clinical Specialist in Pediatric Physical Therapy

**AMERICAN ACADEMY OF SPORTS PHYSICAL THERAPY, INC PLATFORM PRESENTATIONS: EXCELLENCE IN RESEARCH**

3:00 pm–5:00 pm  
**Moderator:** Michael Mullaney, PT, DPT

Confidence Is Associated With Ability to Meet Return to Sport Criteria and 2ND ACL Injury Risk After ACL Reconstruction  
**Presenter:** Mark Paterno, PT, MBA, PhD
Board-Certified Clinical Specialist in Sports Physical Therapy

Peak Vertical Ground Reaction Force and Center of Mass Vertical Excursion Are Prospectively Associated With Injury in Elite Cross-Country Runners  
**Presenter:** Christa Wille, BS

Reduced Femoral Bone Mineral Density in Collegiate Athletes Following Anterior Cruciate Ligament Reconstruction Surgery  
**Presenter:** Justin Olson, SPT

Landing Mechanics at Return-to-Sport Differ in Functionally-Recovered Athletes 2 Years After ACL Reconstruction  
**Presenter:** Erin Krogh, SPT

Concomitant Injury at the Time of Anterior Cruciate Ligament Reconstruction Impacts Knee Function Two Years After Return to Sports  
**Presenter:** Caroline Lewis, PT, DPT, ATC
Board-Certified Clinical Specialist in Sports Physical Therapy
Manual Therapy Certified

Increase in Joint Loading During Walking After Anterior Cruciate Ligament Reconstruction Is Related to Early Knee Degeneration
Presenter: Deepak Kumar, PT, PhD

ACADEMY OF ORTHOPAEDIC PHYSICAL THERAPY PLATFORM
PRESENTATIONS 3
3:00 pm–5:00 pm
Moderator: Amee Seitz, PT, DPT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Associations Between Frequency and Timing of Interim Patient-Report Outcome Measures and Functional Status at Discharge From Physical Therapy for Common Musculoskeletal Impairments
Presenter: Mark Werneke, PT, MSc
Diplomaed in the McKenzie method of Mechanical Diagnosis and Therapy

Patient-Centered Outcomes: Domain Importance Predicts Health Care Utilization Following Physical Therapy
Presenter: Trevor Lentz, PT, MPH, PhD

A Pilot Study of Patient Defined Outcomes for Seeking Additional Health Care After an Episode of Physical Therapy
Presenter: Giorgio Zeppieri, PT
Board-Certified Clinical Specialist in Sports Physical Therapy
Certified Strength and Conditioning Specialist

Association of Comorbidity With Rehabilitation Use in Older Adults With Back Pain
Presenter: Sean Rundell, PT, DPT, PhD

Factors Influencing Patient Use of Self-Referral to Physical Therapy: A Qualitative Approach
Presenter: Noor Alshareef, PhD

Prediction of Cancellations to Enhance Care Delivery for Musculoskeletal Conditions: A Preliminary Analysis
Presenter: Steven George, PT, PhD

The Relationship Between Health Care Utilization and Changes in Self-Reported Pain and Disability: Is More Better?
Presenter: Derek Clewley, PT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Fellow of the American Academy of Orthopaedic Manual Physical Therapists
Measuring Process Compliance With the Low Back Pain Treatment-Based Classification System: A Quality Improvement Initiative  
**Presenter:** Kate Minick, PT, DPT  
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy  
Certified Strength and Conditioning Specialist

Friday, January 25, 2019

ACADEMY OF GERIATRIC PHYSICAL THERAPY PLATFORM PRESENTATIONS 2  
8:00 am–10:00 am  
**Moderator:** Jessie VanSwearingen, PT, PhD, FAPTA

Validation of the Patient Reported Outcome Information System Physical Function (PROMIS PF) Scale With Performance-Based Outcomes and STEADI (Stopping Elderly Accidents, Deaths, and Injuries) Fall Risk Classification in Community-Dwelling Older Adults  
**Presenter:** Cynthia Zablotny, PT, DPT, MS  
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Chair Rise Modification Test as a Surrogate of Gait Speed in Community Dwelling Older Adults Living Independently  
**Presenter:** Vicki LaFay, PT, DPT  
Certified Strength and Conditioning Specialist  
Certified Exercise Expert for Aging Adults

Gait Speed Training: Implementing a Standard of Care That Matters  
**Presenter:** Patricia Scheets, PT, DPT, MHS  
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Technology-Assisted Posture Training in Older Adults With Hyperkyphosis  
**Presenter:** Amy Gladin, PT, DPT  
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Four-Limb Actigraphy to Measure Real-World Movement in Skilled Nursing Rehabilitation Patients  
**Presenter:** Margheuretta Bland, PT, DPT  
Board-Certified Clinical Specialist in Neurologic Physical Therapy

The Impact of Dual Task Activity on Gait Speed and Timed Up and Go in People With Mild Cognitive Impairment vs No Cognitive Impairment  
**Presenter:** Neva Kirk-Sanchez, PT, PhD
Virtual/Augmented Reality Training as an Intervention for Balance in Older Adults: A Systematic Review
Presenter: Elise Davis, SPT

Application of Inertial Sensor Turning Parameters to Predict Severe Mobility Disability
Presenter: Samantha Chisholm, SPT

Development of a Movement and Memory Program Using the PRECEDE PROCEED Model of Health Promotion
Presenter: Rupal Patel, PT, PhD

ACADEMY OF PEDIATRIC PHYSICAL THERAPY PLATFORM PRESENTATIONS 2
8:00 am–10:00 am
Moderator: Charlotte Yates, PT, PhD
Board-Certified Clinical Specialist in Pediatric Physical Therapy

The Impact of Parent Directed Movement on Infant Positions and Transitions During a Parent Infant Free Play Session
Presenter: Katherine Greenberg, SPT

Video Coding of Posture and Gross Motor Behavior Variability in Typically Developing Children and Children With Autism Spectrum Disorder
Presenter: Laurel Abbruzzese, PT, EdD

Assessment of Reactive Seated Postural Control in Children With Torticollis: A Feasibility Study
Presenter: Caroline Ubben, PT, DPT
Certified Strength and Conditioning Specialist

The Effects of Carbon Fiber Footplate Orthoses on 2-D Gait Kinematics of Children That Idiopathically Toe-Walk Compared to Typically Walking Children
Presenter: Laura Shelton, BS

A Mixed Method Approach to Analyzing Data Through Video Analysis and a Validated Measure of Motor Function in Children With Giant Axonal Neuropathy: A Pilot Study
Presenter: Joan Elliott, PT, DPT

Outcomes of Conservative Interventions for Children With Idiopathic Toe Walking: A Retrospective Chart Review
Presenter: Suzanne Migliore, PT, DPT, MS
Board-Certified Clinical Specialist in Pediatric Physical Therapy
The Wide World of Pediatric Clinical Practice Guidelines  
**Presenter:** Sandra Kaplan, PT, DPT, PhD

Transcutaneous Spinal Cord Stimulation Generates Reciprocal Lower Extremity Movement in Pediatric Patients With Motor Complete Spinal Cord Injury  
**Presenter:** Brooke Meyer, PT, DPT

Effect of Low-Intensity Laser Therapy in Reducing Knee Painful Limitation and Gait Deviations in Children With Juvenile Idiopathic Arthritis: A Randomized Controlled Trial  
**Presenter:** Mohamed Elhamadany, PT, DPT, MS, PhD  
Board-Certified Clinical Specialist in Pediatric Physical Therapy

CARDIOVASCULAR & PULMONARY SECTION PLATFORM PRESENTATIONS 1  
8:00 am–10:00 am  
**Moderator:** Chris Wells, PT, ATC, PhD  
Certified Strength and Conditioning Specialist

Effect of Exercise Training With and Without Blood Flow Restriction on Maximal Oxygen Consumption in Healthy Adults: A Meta-Analysis  
**Presenter:** Lawrence Cahalin, PT, PhD  
Board-Certified Clinical Specialist in Cardiovascular and Pulmonary Physical Therapy

Arterial Blood Pressure Response to Repeated Cuff Re-Inflations Without Interposed Rests in an Elderly Population  
**Presenter:** Miriam Zveitel, BS

Blood Flow Restriction Training in Heart Failure: A Theory Report on Likely Benefits Using the Muscle Hypothesis of Chronic Heart Failure  
**Presenter:** Angel Ceballos, SPT

Description and Correlation of Orthostatic Hypotension and Urine Specific Gravity Among Collegiate Athletes: A Prospective Observational Study  
**Presenter:** Sara Arena, PT, DScPT, MS
The Duration of Daily Physical Therapy Treatment in the Acute Care Setting and Its Association With Patient Mobility Status
Presenter: Joshua Johnson, PT, DPT, ATC

Quantification of Ballistic Signing: Is There a Difference Between Native and Non-Native Signers?
Presenter: Gretchen Roman, PT, DPT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Physical Function and Preamputation Characteristics Explain Walking Behavior After Dysvascular Amputation
Presenter: Matthew Miller, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Increased Pain and Fatigue Three Days After Submaximal Isometric Exercise in People With Fibromyalgia: Part of Exercise Recovery or Symptom Flare-Up?
Presenter: Giovanni Berardi, PT, DPT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Measurement Error in Postural Control Measures in Typically Developing Children: A Systematic Review
Presenter: Devashish Tiwari, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Falling Risk in Patients With End-Stage Knee Osteoarthritis
Presenter: Moiyad Aljehani, PT, DPT

The Severity of Pre-Fracture Basis Mobility Loss at the Time of Acute Hospital Discharge for Hip Fracture Is Associated With 30-Day Mortality: A One-Year Nationwide Cohort Study of 5,147 Danish Patients
Presenter: Morten Kristensen, PT, PhD
The Influence of Hip Pain on Muscle Performance in Dancers  
**Presenter:** Melissa Strzelinski, PT, MPT

Hip Joint Loads Associated With High Intensity Interval Training  
**Presenter:** Caroline Campbell, SPT

Hip Joint Muscle Forces During Gait Are Associated With Hip Joint Symptoms and Cartilage Health in Patients With Femoroacetabular Impingement Syndrome  
**Presenter:** Michael Samaan, PhD

Development and Implementation of a Comprehensive Lifestyle and Behavioral Health Management Program for Osteoarthritis: A New Role for Physical Therapists  
**Presenter:** Morven Ross, PT, DPT  
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy  
Fellow of the American Academy of Orthopaedic Manual Physical Therapists

Patient Subgrouping to Inform Treatment Pathway Development for a Comprehensive Osteoarthritis Care Program  
**Presenter:** Trevor Lentz, PT, MPH, PhD

Why Take a Shot When Phonophoresis Is There: Treatment of Knee Osteoarthritis  
**Presenter:** Mohamed Ahmed, MSc

**ACADEMY OF PHYSICAL THERAPY EDUCATION PLATFORM PRESENTATIONS**  
2  
8:00 am–10:00 am  
**Moderator:** Kathleen Rockefeller, PT, MPH, ScD

Addressing the Physical Therapy (PT) Gap in Greater Cincinnati: A Feasibility Study for a Student Run PT Clinic  
**Presenter:** Melinda Earnest, SPT

Using Simulation With Class Observation and Reflection to Enhance Acute Care Clinical Skills and Knowledge With Physical Therapy Students: A Case Study  
**Presenter:** Leslie Smith, PT, MPT

Advent and Implementation of a Standardized Orthopaedic Clinical Education Curriculum: A Novel Approach to Clinical Education  
**Presenter:** Michael Steimling, PT, DPT  
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Moving from IPE to IPP on a Global Scale
**Presenter:** Rebecca Vernon, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Can an Interdisciplinary Mobility Simulation Meet the Objectives of the Interprofessional Education Collaborative (IPEC): A Qualitative Study
**Presenter:** Kristin Lefebvre, PT, PhD
Board-Certified Clinical Specialist in Cardiovascular and Pulmonary Physical Therapy

Improving Interprofessional Competencies and Attitudes Through Community-Based Wellness for Young Adults With Autism
**Presenter:** Melissa Tovin, PT, MA, PhD
Board-Certified Clinical Specialist in Pediatric Physical Therapy

Increasing the Role of Behavioral Science in Physical Therapy
**Presenter:** Eric Kruger, PT, DPT
Certified Strength and Conditioning Specialist

ACADEMY OF ACUTE CARE PHYSICAL THERAPY PLATFORM PRESENTATIONS
2: EMERGING TOPICS IN PHYSICAL THERAPY TODAY
11:00 am–1:00 pm
**Moderator:** Barbara Smith, PT, PhD

Making the Complex Clearer: Development of a Clinical Decision-Making Algorithm for Patients With Disorders of Consciousness
**Presenter:** Corrine Boyea, PT, DPT

Exercise Intervention With Body-Weight Supported Ground Training for an Inpatient With Pulmonary Disease: A Case Report
**Presenter:** Emily Burgholzer, PT, DPT

Developing a Prehabilitation Protocol in Patients Awaiting Liver Transplant in an Acute Care Setting
**Presenter:** Katherine Russett, PT, DPT

Out of Bed Mobilization of Pregnant Women Following Intrauterine Repair of Myelomeningocele
**Presenter:** Clara Gaspari, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy

A Journey Toward Adopting a Value-Based Productivity System in Acute Care
**Presenter:** Kelly Stratton, PT, DPT  
Board-Certified Clinical Specialist in Neurologic Physical Therapy

**Safe Mobilization for Patients Post-Phalloplasty Procedures**  
**Presenter:** Kristin Barker, PT, DPT

**What Do Clinical Instructors in Acute Care Expect From Physical Therapy Students on Their First Acute Care Clinical Learning Experience: A Qualitative Study**  
**Presenter:** Clara Neumann, PT, DPT, MA

**ACADEMY OF NEUROLOGIC PHYSICAL THERAPY PLATFORM**  
**PRESENTATIONS 2**  
11:00 am–1:00 pm  
**Moderator:** Jill Stewart, PT, PhD

**Predicting Discharge Locomotor Function for Non-Ambulatory Individuals Post-Stroke Following Focused Stepping Practice During Inpatient Rehabilitation**  
**Presenter:** Chris Henderson, PT, DPT, MSME, PhD

**Relationship Between Poststroke Depression and Self-Perception, Physical Abilities, and Physical Activity**  
**Presenter:** Cathryn Ledwick, SPT

**Backward Walking Training Improves Forward Gait Speed and Balance Confidence Post-Stroke**  
**Presenter:** Dorian Rose, PT, PhD

**Acute Pain During Strategic Locomotor Learning Impairs Retention**  
**Presenter:** Jessica Galgiani, PT, DPT, MS

**Prefrontal Activity During Walking Post-Stroke: Insights From The CRUNCH Framework**  
**Presenter:** Sudeshna Chatterjee, PT, PhD

**Interhemispheric Cortical Connectivity Between Lower Limb Motor Regions Is Impaired in Stroke Survivors and Associated With Biomechanical Walking Deficits**  
**Presenter:** Jacqueline Palmer, PT, DPT

**Association Between Elevated Soleus Spinal Excitability and Biomechanical Impairments in Individuals Post-Stroke**  
**Presenter:** Jessica Royal, PT, DPT
Comparison of Force-Field Based Methods to Promote Post-Stroke Gait Stabilization
11:00 am–11:00 am
**Presenter:** Jesse Dean, PhD

**ACADEMY OF ONCOLOGIC PHYSICAL THERAPY PLATFORM PRESENTATIONS**

11:00 am–1:00 pm

**Moderator:** Shana Harrington, PT, PhD

Tissue Dielectric Constant Measures on the Trunk in Women Following Breast Cancer Surgery
**Presenter:** Linda Koehler, PT, PhD
Certified Lymphedema Therapist

Upper Extremity Regional Swelling Physical Function Measure: Development, Calibration, and Initial Validation
**Presenter:** Deanna Hayes, PT, DPT, MS

Initial Reliability, Validity, and Clinical Efficiency of the LymphaTech System to Assess Arm Volume in Patients During and After Treatment for Breast Cancer
**Presenter:** Jill Binkley, PT, MSc
Fellow of the American Academy of Orthopaedic Manual Physical Therapists
Certified Lymphedema Therapist

Cancer-Related Fatigue Clinical Practice Guideline Development: An Update
**Presenter:** Mary Fisher, PT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Oncology Section EDGE Task Force on Cancer: A Systematic Review of Measures of Functional Mobility and Capacity
**Presenter:** Hannah Lacy, PT, DPT

Oncology Section EDGE Task Force on Cancer: A Systematic Review of Measures of Balance and Falls Risk
**Presenter:** Min Hui Huang, PT, PhD
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Predicting Falls in Breast, Colorectal, Lung, and Prostate Cancer Survivors
**Presenter:** Min Hui Huang, PT, PhD
Board-Certified Clinical Specialist in Neurologic Physical Therapy
Challenging Contraindications: Modulation of Buttock Pain in the Presence of a Bone Metastasis  
**Presenter:** Katlin Millin, PT, DPT

**CARDIOVASCULAR & PULMONARY SECTION PLATFORM PRESENTATIONS 2**  
11:00 am–1:00 pm  
**Moderator:** Chris Wells, PT, ATC, PhD  
Certified Strength and Conditioning Specialist

Physical Activity in Children With Congenital Heart Disease: A Systematic Review  
**Presenter:** Neeti Pathare, PT, PhD

Relationship Between Preoperative Gait Speed and Discharge Disposition After Open Heart Surgery  
**Presenter:** Christopher Wilson, PT, DPT, DScPT

Does the National Age-Adjusted Prevalence of Activity Limitation Vary by Cardiac Diagnosis?  
**Presenter:** Julie Skrzat, PT, DPT, PhD  
Board-Certified Clinical Specialist in Cardiovascular and Pulmonary Physical Therapy

Functional Status of Patients After Transcatheter Aortic Valve Replacement Surgery in the Acute Care Setting: A Retrospective Study  
**Presenter:** Ann Fick, PT, DPT

A Comparison Study of Strict Sternal Precautions Versus a Less Restrictive Approach for Mobility After Median Sternotomy in an Acute Care Setting  
**Presenter:** Jean Huta, PT, MS

An Alternative Approach to Sternal Precautions Improves Length of Stay After Median Sternotomy  
**Presenter:** Jason Radfar, PT, DPT

Positive Effects of High Intensity Interval Training (HIIT) in the Post Heart Transplant (HTx) Population: A Systematic Review  
**Presenter:** Kristin Lefebvre, PT, PhD  
Board-Certified Clinical Specialist in Cardiovascular and Pulmonary Physical Therapy
FEDERAL PHYSICAL THERAPY SECTION PLATFORM PRESENTATIONS 1
11:00 am–1:00 pm

Moderator: Jonathan Glasberg, PT, DPT, MA
Assistive Technology Professional Certification

Case Studies From Department of Veterans Affairs Physical Therapy Residency Program
Presenter: William Wenninger, PT, MS

Pain Is All in Your Head: Cognitive Behavioral and Holistic Health Physical Therapy Strategies
Presenter: Robyn Bolgla, PT, MSPT

Active Virtual Reality Training and Cognitive Behavioral Therapy: An Interprofessional Approach to Promote Balance Confidence, Balance, Functional Mobility, Community Participation, and Quality of Life in Trans-Tibial Prosthesis Users
Presenter: Sara Kraut, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Association Between Timing of MRI in Relation to Physical Therapy Intervention on Career Attrition in Soldiers
Presenter: Nancy Henderson, PT, DPT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Certified in the McKenzie Method of Mechanical Diagnosis and Therapy

Exploring Dual-Task Cost With Increasingly Complex Motor Tasks in Healthy, Athletic Adults
Presenter: Patrick Michielutti, PT, DPT

Stress Fractures: Reevaluating the Risk Factors and Clinical Presentation
Presenter: Megan Hale, PT, DPT

SECTION ON WOMEN'S HEALTH PLATFORM PRESENTATIONS
11:00 am–1:00 pm

Moderator: Meryl Alappattu, PT, DPT, PhD

Resistance Training and Biofeedback for Treatment of Anal Incontinence
Presenter: Lori Tuttle, PT, PhD

The Effect of a Combined Pelvic Floor Muscle Training and Gross Motor Strengthening Program on Urinary Incontinence in School-Aged Children With Typical Development: A Descriptive Case Series
Presenter: Tara Rudolph, PT, DPT
Concurrent Validity of Coccygeal Motion Palpation and Transabdominal Ultrasound Imaging in the Assessment of Pelvic Floor Function in Women
Presenter: Ruth Maher, PT, DPT, PhD
Board-Certified Clinical Specialist in Women’s Health Physical Therapy
Board Certified in Pelvic Muscle Dysfunction Biofeedback

Prenatal Physical Activity and Prediction of Maternal Stress, Health Related Quality of Life, and Health Related Outcomes in UAE
Presenter: Lori Walton, PT, DPT, PhD
Certified Lymphedema Therapist

Preparing a Transgender Woman for Vaginoplasty
Presenter: Kimberly Wiman, PT, DPT

Lower Extremity Joint Loading Is Increased During Pregnancy
Presenter: Jennifer Bagwell, PT, DPT, PhD

Single Leg Balance Times With Eyes Closed Differ Throughout Pregnancy
Presenter: Kristina Lam

Strength Impairments Correlate With Gait Biomechanics in Women With Stress Urinary Incontinence
Presenter: Erin Hartigan, PT, DPT, ATC, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

ACADEMY OF ORTHOPAEDIC PHYSICAL THERAPY PLATFORM PRESENTATIONS 5
11:00 am–1:00 pm
Moderator: Amee Seitz, PT, DPT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Effectiveness of Physical Therapy Treatment in Addition to Usual Podiatry Management of Plantar Heel Pain: A Randomized Clinical Trial
Presenter: Shane McClinton, PT, DPT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Fellow of the American Academy of Orthopaedic Manual Physical Therapists

Radiographic Indices of Metatarsal Bone Strength in Patients With Lower Extremity Amputation Due to Critical Limb Ischemia
Presenter: David Sinacore, PT, PhD, FAPTA
Electrical Dry Needling as an Adjunct to Exercise, Manual Therapy, and Ultrasound for Plantar Fasciitis: a Multi-Center Randomized Clinical Trial
**Presenter:** James Dunning, PT, DPT
Fellow of the American Academy of Orthopaedic Manual Physical Therapists

Psychometric Properties of the Dance Functional Outcome Survey (DFOS): Reliability, Validity, and Responsiveness
**Presenter:** Shaw Bronner, PT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Rearfoot Strike Landing Pattern Run Retraining to Prevent Recurrent Calf Stains in a US Navy Service Member
**Presenter:** Ari Baquet, PT, DPT

Flexor Hallucis Longus Tendon Morphology in Dancers With and Without Tendinopathy
**Presenter:** Alyssa Andersen, BFA

Comparison of Patient-Reported Symptoms, Tendon Structure, Mechanical Properties, and Function Between Patients With Insertional and Midportion Achilles Tendinopathy
**Presenter:** Patrick Corrigan, PT, DPT

Video-Based Motion Analysis Use: A Survey of Orthopaedic Physical Therapists
**Presenter:** Craig Hensley, PT, DPT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Fellow of the American Academy of Orthopaedic Manual Physical Therapists

**ACADEMY OF AQUATIC PHYSICAL THERAPY PLATFORM PRESENTATIONS 1**
3:00 pm–5:00 pm
**Moderator:** Anita Van Wingerden, PT, DPT

Effects of Combined Skilled Aquatic and Land-Based Therapy Compared to Land-Based Therapy Alone on Balance and Gait in Adults After a Stroke: A Systematic Review
**Presenter:** Megan Manzo, SPT

Comparison of Aquatic Physical Therapy, Body Weight Support Treadmill Training, or a Combined Intervention on the Gait and Balance of Individuals With Chronic Stroke
**Presenter:** Sarah Fishel, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy

The Effect of Aquatic Therapy on People With Multiple Sclerosis: A Systematic Review
Presenter: Evan Cohen, PT, MA, PhD
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Impact of a 10-Week Aquatic Exercise Program on Individuals With High Levels of Disability Due to Multiple Sclerosis
Presenter: Carol Sames, PhD

Aquatic Exercise for Children With Cerebral Palsy: A Systematic Review
Presenter: Yasser Salem, PT, MS, PhD
Board-Certified Clinical Specialist in Neurologic Physical Therapy
Board-Certified Clinical Specialist in Pediatric Physical Therapy

Wound Management in Aquatic Physical Therapy: Transparent Film Dressings
Presenter: Kristen Lambert, PT, DPT, ATC

Skilled Aquatic-Based Therapies for Chronic Spinal Cord Injury With Complex Co-Morbidities and Invasive Appliances
Presenter: Albert Recio, MD

ACADEMY OF ONCOLOGIC PHYSICAL THERAPY PLATFORM PRESENTATIONS
2
3:00 pm–5:00 pm
Moderator: Shana Harrington, PT, PhD

Effects of a 16-Week Combined Exercise Intervention on Physical Fitness and Body Composition in Hispanic and Non-Hispanic Breast Cancer Survivors
Presenter: Christina Stewart, BS, BA

Effect of a 16-week Aerobic and Resistance Exercise Intervention on Shoulder Function in Breast Cancer Survivors
Presenter: Benjamin Yu

Characterizing Body Composition and Physical Fitness in Breast Cancer Patients Prior to Initiation of Anthracycline Chemotherapy
Presenter: Theresa Serrano

A Model of Physical Therapy to Address Mobility Impairments Following Stem Cell Transplantation
Presenter: Christopher Barnes, PT, DPT

Strength, Balance, and Gait Speed of Persons Undergoing Hematopoietic Stem Cell Transplantation
**Presenter:** Anne Swisher, PT, PhD, FAPTA  
Board-Certified Clinical Specialist in Cardiovascular and Pulmonary Physical Therapy

**Pre-Hospital Functional Status as an Indicator for Functional Status Post Chimeric Antigen Receptor T-Cell Therapy in Patients With Diffuse Large B-Cell Lymphoma**  
**Presenter:** Lauren Miller, PT, DPT

**Physical Activity Attitudes, Behaviors, and Preferences in Low-Income Individuals With Cancer and Their Family Caregivers: A Needs Assessment**  
**Presenter:** Brandy-Joe Milliron, PhD

**Resting Heart Rate Variability and Cardiovascular Disease Risk Among Female Breast Cancer Survivors: A Pilot Study**  
**Presenter:** Jacqueline Drouin, PT, PhD

**HOME HEALTH SECTION PLATFORM PRESENTATIONS**
**Moderator:** Tracey Collins, PT, MBA, PhD  
Board-Certified Clinical Specialist in Geriatric Physical Therapy

**The Impact of Home Health Care on Cost Effectiveness Compared to Other Post-Acute Settings in Individuals Status Post Total Joint Arthroplasty: A Systematic Review**  
**Presenter:** Tracey Collins, PT, MBA, PhD  
Board-Certified Clinical Specialist in Geriatric Physical Therapy

**The Use of Cognitive Behavioral Therapy on Patients With Chronic Pain in Home Health Physical Therapy: A Systematic Review**  
**Presenter:** Maura McGowan

**The Effect of Home Health Care in Reducing Hospital Readmissions: A Systematic Review**  
**Presenter:** Lindsay McGraw, SPT

**Effectiveness and Feasibility of Post-Stroke and Parkinson’s Disease Balance Training Using Wii Gaming Technology in the Home-Care Setting: A Multi-Site, Randomized Clinical Trial**  
**Presenter:** Gregory Propst, PT, DPT

**Older Adults’ and Home Care Physical Therapists’ Perspectives on the Potential Usefulness and Use Ability of a Goal-Setting Patient Decision Aid**  
**Presenter:** Cindy Moore, PT, DPT, MPH
Saturday, January 26, 2019

ACADEMY OF ACUTE CARE PHYSICAL THERAPY PLATFORM PRESENTATIONS
3: CLINICAL EDUCATION AND QUALITY IMPROVEMENT
8:00 am–10:00 am
Moderator: Barbara Smith, PT, PhD

Acute Care Confidence of DPT Students: Is More Than One High Fidelity Simulation Session Worth the Additional Cost?
Presenter: Amy Bayliss, PT, DPT

Investigating the AM-PAC 6-Clicks Standardized Functional Mobility Assessment Tool to Better Predict Inpatient Discharge Destinations: Phase One Results
Presenter: Scott Arnold, PT, DPT

The Effect of Neurologic Acute Care Simulation Experience Upon Clinical Decision Making in a Physical Therapy Curriculum
Presenter: Pamela Donlan, PT, DPT, EdD

Physical Therapy Student Perceptions of Comfort With Early Mobility Training Following Critical Care Simulations Using Standardized Patients
Presenter: Meghan Howes

Use of Full Immersion Virtual Reality to Address the Core Competencies for Entry-Level Practice in Acute Care Physical Therapy
Presenter: Ashley Crow, PT, DPT

Acute Dizziness Clinical Practice Competency
Presenter: Brittany Bagshawe, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Implementation of a Hospital-Based Activity Monitoring System and Clinical Implications With COPD: A Retrospective Cohort Study
Presenter: Christopher Wilson, PT, DPT, DScPT

ACADEMY OF CLINICAL ELECTROPHYSIOLOGY AND WOUND MANAGEMENT PLATFORM PRESENTATIONS
8:00 am–10:00 am
Moderator: Deborah Wendland, PT, DPT, PhD
Certified Pedorthist
Superficial to Deep Fibular Sensory Nerve Communication in the Foot: An Anatomical and Electrophysiologic Study  
**Presenter:** Samantha Cook

Sciatic Neuropathy After Total Hip Arthroplasty  
**Presenter:** Elizabeth Painter, PT, DPT, DScPT  
Board-Certified Clinical Specialist in Clinical Electrophysiologic Physical Therapy  
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

The Incidence of Other Mononeuropathies or Comorbidities Associated With Ulnar Neuropathy at the Elbow  
**Presenter:** Greg Ernst, PT, PhD  
Board-Certified Clinical Specialist in Clinical Electrophysiologic Physical Therapy  
Board-Certified Clinical Specialist in Sports Physical Therapy

Normal Values for Deep Fibular Nerve Musculoskeletal Ultrasound and Deep Fibular Sensory Nerve Conduction  
**Presenter:** Samantha Cook

Establishing Clinical Efficacy of Surface Electromyography in Detecting Muscle Weakness  
**Presenter:** John Lugo, PT, MS  
Board-Certified Clinical Specialist in Clinical Electrophysiologic Physical Therapy

Needlestick Injuries Sustained by Physical Therapists While Performing Dry Needling: Prevalence, Reporting, and Causes  
**Presenter:** David Boyce, PT, EdD  
Board-Certified Clinical Specialist in Clinical Electrophysiologic Physical Therapy  
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

A Survey Study of Health Promotion, Wellness, and Prevention in Wound Care Environments  
**Presenter:** Deborah Wendland, PT, DPT, PhD  
Certified Pedorthist

A Survey of Current Wound Care Education in Entry-Level Doctor of Physical Therapy Curriculums  
**Presenter:** Lisa VanHoose, PT, MPH, PhD
ACADEMY OF HAND AND UPPER EXTREMITY PHYSICAL THERAPY PLATFORM PRESENTATIONS
8:00 am–10:00 am
Moderator: Susan Duff, PT, OT/L, EdD
Certified Hand Therapist

Presenter: Jon Umlauf, PT, DPT

A Systematic Review of the Measurement Properties of the Pennsylvania Shoulder Score
Presenter: Neil Evans, PT, DPT

The Impact of Diabetic Peripheral Neuropathy on Pinch Proprioception
Presenter: Abdalghani Yahya, PT, DPT

Active Wrist Joint Position Sense Test Intra- and Inter-Tester Reliability at Multiple Wrist Angles
Presenter: Tyler Schweigert, SPT

Reproducibility, Concurrent Validity, and Known-Group Validity of Active Joint Position Sense in Patients With Carpal Tunnel Syndrome
Presenter: Cesar Malave, SPT

Quantifying Interlimb Coordination in Persons With Hemiparesis
Presenter: Susan Duff, PT, OT/L, EdD
Certified Hand Therapist

ACADEMY OF NEUROLOGIC PHYSICAL THERAPY PLATFORM PRESENTATIONS 3
8:00 am–10:00 am
Moderator: Jill Stewart, PT, PhD

The Degree of Sympathetic Interruption Predicts Core Temperature Lability and Cognitive Performance During Heat Exposure in Persons With Higher Spinal Cord Injuries
Presenter: John Handrakis, PT, DPT, EdD
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Intramuscular Diaphragm Stimulation to Enhance Respiratory Function After Cervical Spinal Cord Injury
**Presenter:** Emily Fox, PT, DPT, PhD  
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Effects of Ankle Joint Angle on the Soleus Stretch Reflexes During Standing in People With and Without Chronic CNS Damage  
**Presenter:** Kasey Orita, SPT

Ambulatory Care Visits for Benign Paroxysmal Positional Vertigo in the United States: Prevalence, Treatment Recommendations, and Predictors of Physical Therapy Referral  
**Presenter:** Pamela Dunlap, PT, DPT

The Effect of Vestibular and Exertion Training on Gait, Balance, and Dizziness in Individuals With Persistent Dizziness Following a Concussion  
**Presenter:** Jennifer Fay, PT, DPT  
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Relationship Between Dizziness and Oculomotor Function in Chronic mTBI  
**Presenter:** Laurie King, PT, PhD

Predicting Fall Risk in an Inpatient Rehabilitation Setting: The Continuity Assessment Record and Evaluation (CARE) Item Set Versus the Morse Fall Scale  
**Presenter:** Cecelia Sartor-Glittenberg, PT, PhD  
Board-Certified Clinical Specialist in Neurologic Physical Therapy

The Effect of Optical Flow Speed on Brain Activity During Static Stance: A Functional Near-Infrared Spectrometry Study  
**Presenter:** Mark Hinderaker

**CARDIOVASCULAR & PULMONARY SECTION PLATFORM PRESENTATIONS 3**  
8:00 am–10:00 am  
**Moderator:** Chris Wells, PT, ATC, PhD  
Board-Certified Clinical Specialist in Cardiovascular and Pulmonary Physical Therapy

Voluntary Wheel Running Improves Right Ventricular Function and Capillarization in a Rat Model of Severe, Angioproliferative Pulmonary Arterial Hypertension  
**Presenter:** Melissa Mailand, SPT

Location of the Carotid Artery Bifurcation Relative to the Laryngeal Prominence: A Descriptive Cadaver Study With Recommendations for Safe Pulse Palpation  
**Presenter:** Robert Dekerlegand, PT, MPT, PhD  
Board-Certified Clinical Specialist in Cardiovascular and Pulmonary Physical Therapy
The Effect of Inspiratory Muscle Training on Maximum Inspiratory Pressure, Postoperative Pulmonary Complications, and Length of Hospital Stay in Patients Undergoing Coronary Artery Bypass Graft Surgery: A Systematic Review of Randomized Control Trials

Presenters: Ashraf Elmarakby, PT, PhD

Twenty-Four Hour Holter Monitoring of On-Duty Firefighters Working in a High Altitude Desert Environment

Presenters: Meghan Rohde, PT, DPT
Board-Certified Clinical Specialist in Sports Physical Therapy
Board-Certified Clinical Specialist in Cardiovascular and Pulmonary Physical Therapy
Certified Dry Needling Practitioner

Influence of Aerobic Exercise on Sleep and Salivary Melatonin in Men

Presenter: Kaylee Pobocik, SPT

Systemic Inflammatory Markers Are Linked to Inspiratory Muscle Dysfunction in COPD

Presenter: Magno F. Formiga, PT

Bridging the Gap From Active Treatment to Survivorship: Unmet Physical Therapy Needs of Lung Cancer Survivors

Presenter: Megan Burkart, PT, DPT
Certified Lymphedema Therapist

FEDERAL PHYSICAL THERAPY SECTION PLATFORM PRESENTATIONS 2
8:00 am–10:00 am
Moderator: Jonathan Glasberg, PT, DPT, MA
Assistive Technology Professional Certification

Outcomes of the Salt Lake City Osseointegration Clinical Trial Study

Presenter: Benjamin Darter, PT, PhD

When Exception to Policy Is Exceptional Policy for Productivity and Readiness

Presenter: Sarah Baker, PT, DPT, DSc
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Fellow of the American Academy of Orthopaedic Manual Physical Therapists

Reliability of the Functional Lower Limb Amputee Gait Assessment (FLAGA) for Classification of Observational Gait Deviations in Individuals With Unilateral Lower Limb Amputation (LLA)

Presenter: Robert Gailey, PT, PhD
A Comparison of Prosthetic Mobility in Amputees With Osseointegration Versus Traditional Amputation and Socket  
**Presenter:** Robert Gailey, PT, PhD

The Utility of the DoD/VA Mobile Device Outcomes Based Rehabilitation Program (MDORP) for Higher Functioning Service Members and Veterans With Lower Limb Amputation  
**Presenter:** Ignacio Gaunaurd, PT, MSPT, PhD

Physical Therapists as Health and Wellness Experts: The Cincinnati VA Experience  
**Presenter:** Stephanie Christman, PT, DPT

SECTION ON RESEARCH PLATFORM PRESENTATIONS
8:00 am–10:00 am  
**Moderator:** Meghan Warren, PT, MPH, PhD

Physical Therapists as the First Provider Had Substantially Lower Odds of Short and Long Term Opioid Use Among Patients With New-Onset Low Back Pain  
**Presenter:** Christine McDonough, PT, PhD

Associations Between Physical Function and Neuromuscular Characteristics in Veterans With Chronic Kidney Disease Predialysis  
**Presenter:** Jared Gollie, PhD  
Certified Strength and Conditioning Specialist

Residual Limb Wounds and Dysvascular Transtibial Amputation: Incidence and Patient Characteristics  
**Presenter:** Paul Kline, PT, PhD

Tracking Body Composition in Adolescents  
**Presenter:** Allison Butcher, SPT

Functional Performance and Magnetic Resonance Imaging Determined Muscle Involvement in Duchenne Muscular Dystrophy  
**Presenter:** Kavya Kamalamma, PT, MPT

Use of Robot Interaction to Identify Kinematic Differences in the Accuracy of Imitative Gesturing Between Individuals With and Without Autism Spectrum Disorder (ASD)  
**Presenter:** Haylie Miller, PhD

Altered Coordination Strategies During Running Following Partial Meniscectomy
Presenter: Marie Morrissette, PT, DPT

ACADEMY OF ORTHOPAEDIC PHYSICAL THERAPY PLATFORM
PRESENTATIONS 6
8:00 am–10:00 am
Moderator: Amee Seitz, PT, DPT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Does Multidimensional Health Assessment Using PROMIS Scales Enhance Clinical Decision Making for Patients With Orthopedic Problems? Case Series
Presenter: Jeff Houck, PT, PhD

Patient-Defined Outcomes Differ by Age for Individuals With Musculoskeletal Pain
Presenter: Abigail Wilson, PT, DPT

Is There Association Between Demographic and Psychosocial Profiles, and Pain Processing Mechanisms Among Healthy Adults?
Presenter: Carla Enriquez, PT, DPT

Does Joint Hypermobility Exacerbate Pain, Functional Disability, and Gait Changes in Adolescents With Juvenile Fibromyalgia?
Presenter: Tiffany Marulli, PT, DPT

Preoperative and Postoperative Psychologically Informed Physical Therapy: A Systematic Review of Randomized Trials Among Patients With Degenerative Spine, Hip, or Knee Conditions
Presenter: Kristin Archer, PT, DPT, PhD

The Association Between Chronic Non-Arthritic Peripheral Joint Pain and Multiple Sleep Complaints: A Secondary Data Analysis of a National Cross-Sectional Survey
Presenter: Kenneth Taylor, PT, DPT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Development of a Musculoskeletal Imaging Competency Examination for Physical Therapists
Presenter: Troy Burley

Use of Intermountain Health Care’s Rehabilitation Outcomes Management Systems (ROMS) to Quantify Patient Outcomes in a Private Practice Setting: A Brief Look at Before and After Implementation
Presenter: Lee Marinko, PT, ScD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Go Outside! Promoting Parks and Community Engagement  
**Presenter:** Erin Wentzell, PT, DPT  
Board-Certified Clinical Specialist in Pediatric Physical Therapy

LEARN PT: Developing a Collaborative Physical Therapy Education Research Laboratory  
**Presenter:** Stephen Jernigan, PT, PhD  
Fellow of the National Academies of Practice

Stress and Coping Mechanisms in Occupational Therapy, Physical Therapy, and Physician Assistant Students  
**Presenter:** Joy Karges, PT, MS, EdD

Effect of Emotional Intelligence and/or Extrovert Bias on Perceived Stress Levels in DPT Students  
**Presenter:** Scott Richardson, PT, MPT

Enhancing Teaching Skills in Clinical Faculty Instructing in a Physical Therapy Program: Development of an Innovative Training Program  
**Presenter:** Catherine Bilyeu, PT, DPT  
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Rubric Development for Vestibular Rehabilitation Practical Exams in Entry-Level DPT Education  
**Presenter:** Rachel Tappan, PT, DPT  
Board-Certified Clinical Specialist in Neurologic Physical Therapy

The Impact of Leadership Development Curriculum Through the Eyes of the Doctor of Physical Therapy Student  
**Presenter:** Alice Davis, PT, DPT

ACADEMY OF ORTHOPAEDIC PHYSICAL THERAPY PLATFORM PRESENTATIONS  
7  
11:00 am–1:00 pm  
**Moderator:** Amee Seitz, PT, DPT, PhD  
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Trajectories of Sport or Recreational Activities Over Eight Years and Associated Factors in Persons at Risk for Knee OA
Presenter: Alison Chang, PT, DPT, MS

Center of Pressure and Vertical Ground Reaction Force Predict Knee Extensor Moment Deficits Following Anterior Cruciate Ligament Reconstruction: Implications for Clinical Assessments
Presenter: Sara Almansouri, PT, MS

Characterization of Sagittal Plane Joints Demands During a Triple Hop Task: Implications for Clinical Interpretation
Presenter: Nicole Schwery

Physical Activity and Physical Function Before and After Total Knee Arthroplasty
Presenter: Joseph Zeni, PT, PhD

The Association Between Change in Physical Activity and Change in Health-Related Quality of Life After Total Knee Replacement
Presenter: Meredith Christiansen, PT, DPT

Periosteal Electrical Dry Needling as an Adjunct to Exercise and Manual Therapy for Knee Osteoarthritis: A Multi-Center Randomized Clinical Trial
Presenter: James Dunning, PT, DPT
Fellow of the American Academy of Orthopaedic Manual Physical Therapists

Treadmill Gait Retraining Improves Knee Joint Position Sense in Women With Knee Hyperextension Gait Pattern
Presenter: Patricia Teran Wodzinski, PhD

A Specific Protocol of Autologous Bone Marrow Concentrate and Platelet Products Versus Exercise Therapy for Symptomatic Knee Osteoarthritis: A Randomized Controlled Trial With a Two Year Follow-Up
Presenter: Mary Langhenry, PT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

ACADEMY OF PHYSICAL THERAPY EDUCATION PLATFORM PRESENTATIONS
4
11:00 am–1:00 pm
Moderator: Kathleen Rockefeller, PT, MPH, ScD
Biomechanical Characteristics of Lumbar Spine Manipulation in Expert, Resident, and Student Therapists  
**Presenter:** Joseph Derian, PT, DPT

Does the Structure of a Professional Network Predict Early Career PT Faculty Scholarly Activity?  
**Presenter:** Betsy Becker, PT, DPT

Predicting Success on the National Physical Therapy Examination: Systematic Review and Meta-Analysis  
**Presenter:** Mitch Wolden, PT, DPT, PhD

Substance Use Disorder Education in Physical Therapy Curriculum  
**Presenter:** Rania Karim, PT, DPT  
Board-Certified Clinical Specialist in Geriatric Physical Therapy  
Certified Exercise Expert for Aging Adults

Development and Implementation of a Novel Test Bank for a Course Utilizing Blackboard Over Multiple Campuses of a University  
**Presenter:** Kevin Kunkel, PT, MSPT, PhD

Effects of Perfectionism on Distress and Burnout in Doctor of Physical Therapy Students  
**Presenter:** Petra Williams, PT, PhD  
Board-Certified Clinical Specialist in Neurologic Physical Therapy

Amputee Rehabilitation and Prosthetics Curricula in Physical Therapy Professional Education Programs  
**Presenter:** Toran MacLeod, PT, PhD

AMERICAN ACADEMY OF SPORTS PHYSICAL THERAPY, INC PLATFORM PRESENTATIONS: RESIDENCY CASES  
3:00 pm–5:00 pm  
**Moderator:** Michael Mullaney, PT, DPT

Hip and Trunk Excursion During Single-Leg Hop Landing Predicts Second ACL Injury Risk  
**Presenter:** Alexa Martinez, PT, DPT  
Certified Strength and Conditioning Specialist

Lysis of Adhesions for Loss of Motion After ACL Reconstruction: A Matched-Control Analysis  
**Presenter:** Shelby Williams
Effects of Blood Flow Restriction Training on Rotator Cuff Strength  
**Presenter:** Daniel Himmerick, PT, DPT  
Certified Strength and Conditioning Specialist

The Influence of Anterior Knee Pain on Function and Timing of Return-to-Play Following Anterior Cruciate Ligament Reconstruction With Patellar Tendon Autograft  
**Presenter:** Macy Kimminau, PT, DPT

Baseline Penn Score Identifies Patients Not Likely to Respond to Physical Therapy Treatment in Patients With Shoulder Instability  
**Presenter:** Sarah Kate Peterson, PT, DPT

Physical Activity Engagement and Perceived Effects in the First 28 Days After Concussion  
**Presenter:** Michael Turnwald, SPT  
Certified Strength and Conditioning Specialist

Association Between Functional Hop Test Performance and Quadriceps Strength in Patients Recovering From ACL Reconstruction  
**Presenter:** Melissa Ball, PT, DPT

Relationship Between KJOIC Scores and Elbow Range of Motion in Baseball Players With an Ulnar Collateral Ligament Tear  
**Presenter:** Samuel Imbus

Relationship Between Maximum Hip Isometric Strength, Peak Gluteal Muscle Force Values, and Hip Kinematics During Running  
**Presenter:** Michael Rodriguez, PT, DPT

The Relationship Between Physical Performance Measures and Skill Level in Competitive Tennis Players: A Pilot Study  
**Presenter:** Kenneth Palmer, PT, DPT  
Board-Certified Clinical Specialist in Sports Physical Therapy  
Certified Strength and Conditioning Specialist

**SECTION ON HEALTH POLICY AND ADMINISTRATION PLATFORM**  
**PRESENTATIONS 3**  
3:00 pm–5:00 pm  
**Moderator:** Jason Falvey, PT, DPT  
Board-Certified Clinical Specialist in Geriatric Physical Therapy
Using the AM-PAC “6-Clicks” Inpatient Basic Mobility Short Form to Guide Interventions for Mobility and Patient Education in Acute Care
**Presenter:** Claire Child, PT, DPT, MPH
Certified Strength and Conditioning Specialist

Implementation of Physical Therapy in Multidisciplinary Clinics
**Presenter:** Maureen Sullivan, MSW, MBA

Lessons Learned in Advocacy and Advice for Legislative Success: The Experience of Adding Dry Needling to the Idaho Physical Therapy Practice Act
**Presenter:** Lance Gerber, PT, DPT
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Developing and Comparing Tailored Functional Status Measures Across the Continuum of Post-Acute Care
**Presenter:** Pallavi Sood

Budget Impact Analysis of Robotic Exoskeleton Use for Locomotor Training Following Spinal Cord Injury in Three Model Health Systems
**Presenter:** Daniel Pinto, PT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Fellow of the American Academy of Orthopaedic Manual Physical Therapists

**ACADEMY OF ORTHOPAEDIC PHYSICAL THERAPY PLATFORM PRESENTATIONS 8**
3:00 pm–5:00 pm
**Moderator:** Amee Seitz, PT, DPT, PhD
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy

Thoracic Spine Manipulation in Patients With Cervical Radiculopathy: A Randomized Controlled Trial
**Presenter:** Ian Young, PT, DSc
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy
Board-Certified Clinical Specialist in Sports Physical Therapy
Certified in the McKenzie Method of Mechanical Diagnosis and Therapy

Clinical Interpretation of the Neck Functional Status Computer Adaptive Test
**Presenter:** Daniel Deutscher, PT, PhD

Cervical Muscle Volume in Individuals With Idiopathic Neck Pain: A Magnetic Resonance Imaging Study
**Presenter:** Suzanne Snodgrass, PT, ATC, MMedSc(Physio), PhD
Relationship Between Occupational Health Outcome of the STarTBack Tool, Oswestry and Return to Work for Patients With Low Back Pain  
**Presenter:** Jon Mauszycki, PT, DPT

The Use of Graded Neck Strengthening and Proprioceptive Exercises Within a Multi-Modal Program to Improve Neck Flexor Endurance and Function in Patients With Cervicogenic Headache: 2 Case Reports  
**Presenter:** Scott Siverling, PT, DPT

High Performing Physical Therapists Consistently Use Skilled Interventions for Patients With Low Back Pain Despite Baseline Disability  
**Presenter:** Adam Lutz, PT, DPT

Utilization of Physical Therapy Services for Chronic Low Back Pain in the One Year Prior to Spine Surgery  
**Presenter:** Jessica Carrignan, SPT

Is There a Difference in Utilization and Outcomes for Patients With Low Back Pain Who Have Been Treated by a Physical Therapist Versus a Physical Therapist and Physical Therapist Assistant  
**Presenter:** Pamela Dibblee, PT, DPT  
Board-Certified Clinical Specialist in Orthopaedic Physical Therapy