CSM Abstracts

The *Journal of Orthopaedic & Sports Physical Therapy* is pleased to publish abstracts of the 2013 Combined Sections Meeting (CSM), which will take place in San Diego, CA, January 21-24, 2013. This collection of abstracts provides a glimpse into the research presented as part of the scientific programming of the Sports Physical Therapy and Orthopaedic Sections. The number and variety of the presentations scheduled for CSM are testimony to the dynamic research activities taking place in the field of physical therapy.

The abstracts presented in the following pages are reviewed and selected by members of the research committee of each section based on content and format. The abstracts are not, however, reviewed by the Associate Editors or the Editor-in-Chief of the *Journal of Orthopaedic & Sports Physical Therapy*. By design, each abstract presents only a brief summary of a research project—a summary that typically does not permit a full evaluation of the scientific rigor with which the work was conducted. In many cases, these abstracts serve the purpose of sharing new research ideas and, therefore, offer only preliminary results that will require future validation. Yet, presenting this type of research information at CSM plays an important role in encouraging a dialog among researchers, clinicians, and educators.

This CSM provides a valuable forum for learning from clinical and research experts in physical therapy and related fields. Moreover, unlike reading a manuscript in a journal, attending a professional conference presents us the opportunity to interact with the authors—our colleagues—by asking questions and exchanging ideas.

See you all in San Diego!

Sincerely,

Guy Simoneau, PT, PhD, ATC
Editor-in-Chief

CSM Orthopaedic and Sports Physical Therapy Sections Programming Schedule 2013

January 21-24, 2013 • San Diego, California

ORTHOPAEDIC SECTION PLATFORM PRESENTATIONS

Tuesday, January 22

PLATFORMS 1

Modifiable Risk Factors for Low Back Symptoms in a US Community-based Population: The Johnston County Osteoarthritis Project (OPL1)
Goode A
8:00 AM-8:15 AM

Differences in Outcomes in Subjects With Low Back Pain Who Met the Clinical Prediction Rule for Lumbar Spine Manipulation When Nonthrust Manipulation Was Used as the Comparator (OPL2)
Cook C
8:15 AM-8:30 AM

Physical Therapy Utilization Among Medicare Beneficiaries With a New Episode of Low Back Pain: The Association With Early Imaging (OPL3)
Rundell S
8:30 AM-8:45 AM

A Comparison of Clinical and Cost Outcomes Between Patients Self-Referring and Physician-Referred for Low Back Pain (OPL4)
Fisher D
8:45 AM-9:00 AM

Neurophysiologic Effects of Spinal Manual Therapy in the Upper Extremity: An Evidence-based Review (OPL5)
Chu J
9:00 AM-9:15 AM

Baseline Characteristics of Patients With Nerve-Related Neck and Arm Pain Predict the Likely Response to Neurodynamic Treatment (OPL6)
Nee R
9:15 AM-9:30 AM

MRI Changes in the Size and Shape of the Oropharynx Following Acute Whiplash Injury (OPL7)
Elliott J
9:30 AM-9:45 AM

Physical Therapy Outcomes for Patients With Neck Pain: Does a Standardized Approach to Patient Care Improve Outcomes Between Clinics for Patients With Neck Pain? (OPL8)
Mauszycki J
9:45 AM-10:00 AM

PLATFORMS 2

The STarT Back Screening Tool: Construct Validity Incorporating Cluster Analysis (OPL9)
Beneciuk J
11:00 AM-11:15 AM

The STarT Back Screening Tool and Individual Psychological Measures: Prognostic Indicator or Treatment Monitoring for Low Back Pain Clinical Outcomes (OPL10)
Beneciuk J
11:15 AM-11:30 AM

Effects of Load-Carriage Training on Spine Kinematics in Active-Duty Marines (OPL11)
Rodriguez-Soto A
11:30 AM-11:45 AM

Baseline Examination Factors Associated With Clinical Improvement After Trigger Point Dry Needling in Patients With Low Back Pain (OPL12)
Koppenhaver S
11:45 AM-12:00 PM

Effect of Trigger Point Dry Needling on Lumbar Multifidus Muscle Function in Patients With Low Back Pain (OPL13)
McGowen J
12:00 PM-12:15 PM

Temporal Pain Patterns Over the Course of Physical Therapy Among Patients With Lumbar Radicular Pain Randomized to an Extension-oriented Treatment Approach Alone or in Combination With Mechanical Traction (OPL14)
Thackeray A
12:15 PM-12:30 PM

Three-Dimensional Characteristics of Trunk Adjustability in Individuals With and Without Recurrent Low Back Pain (OPL15)
Sung P
12:30 PM-12:45 PM

What Factors Are Associated With a Successful Outcome in Patients With Low Back Pain Who Receive a Manual Therapy Approach? (OPL16)
Cook C
12:45 PM-1:00 PM

PLATFORMS 3

Catastrophizing Predicts Resting Pain Following Exercise-Induced Shoulder Injury, but Experimental Pain Responses Predict Pain During Activity (OPL17)
Coronado R
3:00 PM-3:15 PM

Relative Rotator Cuff Tear Size Measured Via Ultrasound Relates to Patient Function (OPL18)
Thigpen C
3:15 PM-3:30 PM

Neovascularization Prevalence in the Supraspinatus of Patients With Rotator Cuff Tendinopathy (OPL19)
Kardouni J
3:30 PM-3:45 PM

Presurgical Physical Therapy Treatment: Patient Characteristics and Impact on Postsurgical Shoulder Pain and Disability (OPL20)
Valencia C
3:45 PM-4:00 PM

Biomechanical Changes After Experimentally Altering the Posterior Capsule of the Glenohumeral Joint (OPL21)
Borstad J
4:00 PM-4:15 PM

Ultrasound Imaging for Measuring Thickness of the Serratus Anterior and Lower Trapezius: Reliability and Correlation With Shoulder Torque (OPL22)
Day J
4:15 PM-4:30 PM

Fish out of Water: Effects of a Dry-Land Conditioning Program on High School Swimmers (OPL23)
Sawdon-Bea J
4:30 PM-4:45 PM

The Influence of Shoulder Joint Position on the Strength of the Shoulder Internal and External Rotator Muscles in Healthy Participants (OPL24)
Enders G
4:45 PM-5:00 PM

Wednesday, January 23

PLATFORMS 4

Heel-Rise Kinetics and Kinematics in Individuals With Diabetes-Related Foot Deformity (OPL25)
Hastings M
8:00 AM-8:15 AM

Weight-Bearing Versus Non–Weight-Bearing Exercise for People With Diabetes and Peripheral Neuropathy (OPL26)
Mueller M
8:15 AM-8:30 AM

The Effect of Subtalar Joint Position on Dorsiflexion of the Ankle/Rearfoot Versus Midfoot/Forefoot During Gastrocnemius Stretching (OPL27)
Johanson M
8:30 AM-8:45 AM

Buckling Ratio, Cortical Thickness, and Section Modulus Predict Ex Vivo Failure Loads in Human Metatarsals (OPL28)
Gutekunst D
8:45 AM-9:00 AM

Objective Evaluation of Chronic Ankle Instability and Balance Exercise Treatment (OPL29)
Jain T
9:00 AM-9:15 AM

Association of Thigh Muscle Morphology, Intramuscular Fat, and Strength With Knee Meniscus and Cartilage Lesions, Radiographic Osteoarthritis, and Disability (OPL30)
Kumar D
9:15 AM-9:30 AM

Changes in Descending Pain Inhibition Following Application of Joint Mobilization in Individuals With Chronic Knee Osteoarthritis (OPL31)
Courtney C
9:30 AM-9:45 AM

Investigating the Neuromuscular Effects of Lumbar Spine Grade V Mobilization on the Deep Trunk Musculature: An Evidence-based Review (OPL32)
Graham W
9:45 AM-10:00 AM

PLATFORMS 5

The Effect of Orthotics on the EMG Activity of Select Lower-Leg Muscles in a Symptomatic Population (OPL33)
Wedge R
11:00 AM-11:15 AM

Impact of Modification of Foot Progression Angle on Plantar Loading (OPL34)
Merriwether E
11:15 AM-11:30 AM

Metatarsal Buckling Ratio as a Fracture Index in Neuropathic (Charcot) Arthropathy (OPL35)
Sinacore D
11:30 AM-11:45 AM

Only Half of the Patients With an Achilles Tendon Rupture Can Perform a Single-Leg Heel Rise 12 Weeks After Injury, With No Difference Between Surgically and Nonsurgically Treated Patients (OPL36)
Silbernagel K
11:45 AM-12:00 PM

Neuropathic Charcot Arthropathy Is Associated With Reduced Foot Bone Mineral Density and Bone Geometric Strength Indices (OPL37)
Gutekunst D
12:00 PM-12:15 PM

Effect of Novel Brace Components on Foot Mechanics in Subjects With Stage II Posterior Tibial Tendon Dysfunction (OPL38)
Neville C
12:15 PM-12:30 PM

Plantar Fascia Function in Diabetes Mellitus–Related Foot Deformity (OPL39)
Gelber J
12:30 PM-12:45 PM

Gender Differences in Static and Dynamic Postural Stability of Soldiers of the Army's 101st Airborne Division (Air Assault) (OPL40)
Sell T
12:45 PM-1:00 PM

Thursday, January 24

PLATFORMS 6

The Validity of Global Ratings of Change Used in Clinical Practice (OPL41)
Schmitt J
8:00 AM-8:15 AM

Patient-Defined Criteria for Successful, Expected, and Desired Outcomes Following Outpatient Physical Therapy (OPL42)
Zeppieri G
8:15 AM-8:30 AM

Effectiveness of a Fall-Prevention Training Program for Persons With Lower Extremity Amputations: Initial Results (OPL43)
Unfried B
8:30 AM-8:45 AM

Screening for Cardiovascular Disease Risk Factors in Physical Therapist Practice (OPL44)
Ross M
8:45 AM-9:00 AM

Significant Improvement in Glucocorticoid-Induced Osteoporosis in a Patient With Sjogren Syndrome: A Case Presentation From Direct Access (OPL45)
Wells S
9:00 AM-9:15 AM

Validity of the Nurses' Health Study II Physical Activity Questionnaire in Estimating Daily Activity in Persons With Rheumatoid Arthritis (OPL46)
Iversen M
9:15 AM-9:30 AM

Examination of Orthopaedic Curricula Among CAPTE-Accredited Physical Therapy Education Programs (OPL47)
Davis D
9:30 AM-9:45 AM

Postoffer Pre-employment Testing for a Local School District: A 2-Year Follow-up Study of Cost Savings (OPL48)
Flint D
9:45 AM-10:00 AM

PLATFORMS 7

Functional Outcomes Following a Novel Rehabilitation Protocol to Promote Symmetrical Loading After Total Knee Arthroplasty (OPL49)
Pozzi F
11:00 AM-11:15 AM

The Differential Effect of Metabolic Syndrome and Comorbidity on Physical Function After Total Knee and Hip Arthroplasty (OPL50)
Kirkness C
11:15 AM-11:30 AM

Intra-articular Continuously Infused Ropivacaine Versus Epidural Plus Femoral Nerve Block for Pain Control Following Total Knee Arthroplasty: A Prospective, Randomized, Double-Blinded Trial (OPL51)
Reinhardt G
11:30 AM-11:45 AM

"But How Little Do I Need to Do?" What Minimal Level of Walking Behavior Is Associated With a Healthy Gait Speed in Older Adults With or at High Risk of Knee OA (OPL52)
White D
11:45 AM-12:00 PM

Associations Between BMI and Physical Activity Post–Total Knee Replacement (OPL53)
Oatis C
12:00 PM-12:15 PM

Varus Thrust and Knee Frontal Plane Dynamic Motion in Persons With Knee Osteoarthritis (OPL54)
Chang A
12:15 PM-12:30 PM

Physical Activity Post–Total Knee Replacement and the Timing of Discharge From Physical Therapy (OPL55)
Oatis C
12:30 PM-12:45 PM

Evaluation of Dynamic Lower Extremity Stiffness in Patients Post–Total Hip Arthroplasty (OPL56)
Covill L
12:45 PM-1:00 PM

PLATFORMS 8

Physical Therapy Complication of Pneumarthrosis and Subcutaneous Emphysema Following Knee Arthroscopy (OPL57)
Kunkel K
3:00 PM-3:15 PM

Reduced Hip Muscle Strength in Patients With Prearthritic Hip Disease (OPL58)
Harris-Hayes M
3:15 PM-3:30 PM

Hip Muscle Recruitment Is Impaired in Women Who Exhibit Poor Performance in a Single-Leg Squat Test (OPL59)
Hollman J
3:30 PM-3:45 PM

Hip Muscle Weakness and Reduced Function in Young Adult Males With Patellofemoral Pain: A Pilot Study (OPL60)
O'Mara R
3:45 PM-4:00 PM

The Relationship Between New Clinical Assessments of Frontal Plane Angles to 3-D Angles During a Single-Leg Step-down (OPL61)
Noehren B
4:00 PM-4:15 PM

Therapeutic Validity and Effectiveness of Preoperative Exercise on Functional Recovery After Total Hip or Knee Replacement: A Delphi Study, Systematic Review, and Meta-analysis (OPL62)
Hoogeboom T
4:15 PM-4:30 PM

Differing Weight-Acceptance Dynamics During Take-off and Landing in Elite Volleyball Athletes and the Additional Influence of Patellar Tendinopathy (OPL63)
Joiner D
4:30 PM-4:45 PM

Reliability and Validity of the University of Wisconsin Running Injury and Recovery Index: A Pilot Study (OPL64)
Nelson E
4:45 PM-5:00 PM

ORTHOPAEDIC SECTION POSTER PRESENTATIONS

The following poster abstracts are available online only at www.jospt.org.

Tuesday, January 22

1:00 PM-3:00 PM
PERFORMING ARTS

Use of the DanceFit Screening Tool on First-Year Collegiate Dance Majors (OPO1197)
May J, Johnson K, Lasner A

Hip Dysplasia and the Performing Arts: Is There a Correlation? (OPO1198)
Turner R, O'Sullivan E, Edelstein J

ELBOW/WRIST/HAND

Effectiveness of Orthotic Devices for Patients With Lateral Epicondylitis/Epicondylalgia: A Review of the Literature (OPO1199)
Kietrys D, Corbett B, Papa M, Price K, Singh S, Tahara T

Use of the Hypothesis-oriented Algorithm for Clinicians in Evaluating a 14-Year-Old Female With Elbow Pain Referred to Physical Therapy Following a Volleyball Injury: A Case Report (OPO1200)
O'Neill-Warner L, Vittone D, Hakey-Brusgul J, Haskvitz EM

Decreased Adult Length of Middle and Distal Phalanges Associated With Childhood Salter-Harris Fracture of Fifth Proximal Phalanx (OPO1201)
Rubio ED, Allen RJ

The Measurable Agreement of the Upper-Limb Tension Test 2a to the Phalen Test in the Diagnosis of Carpal Tunnel Syndrome (OPO1202)
Wilhite M, McGrady T, Booth B, Lee J, Denham S

OTHER

Musculoskeletal Problems and Childhood Obesity: Lower Extremity Pain Is Associated With Function in Obese Children (OPO1203)
Bout-Tabaku S, Briggs M, Schmitt LC

Clinical Predictive Measurements of Dynamic Lower Extremity Stiffness During Running (OPO1204)
Goodwin J, Williams D

PTs' Role in Treatment of Stranded Pilot Whale Scoliosis (OPO1205)
Hunt S, Brodsky M, Boduch K, Bown V, Riggs D

Reliability of a Smartphone/mp3 Player With Goniometer Software Application (OPO1206)
Hunt S, Smith B, Bloom J, Immerman I, Karpus B, Sullivan J

Reliability of a Standardized, Single-Camera Running Gait Analysis in Active Adults (OPO1207)
Kotecki K, Rolfing JM, Justman M, Kern R, Lorino BJ, Sabourin J, Volgman-Stevens DJ, Weber MA, Huddleston WE

Reliability and Validity of Goniometry of the Carpus, Tarsus, and Fetlock Joints in Horses (OPO1208)
Levine D, Adair S, Marcellin-Little D, Liedle E, Borsch K, Davis C, Jackson M

The Relationship Between Running Cadence and Leg Length in Healthy Female Runners (OPO1209)
Maschi R, Brown A, Hafer J

Are We Bringing Relevant News to Patients? A Qualitative Study of Expert Versus Novice Communication Styles and Strategies in Outpatient Orthopaedic Physical Therapy, With Participant Opinion About Those Styles (OPO1210)
Myers C, Rundquist PJ, Jensen G, Kegerreis S

Prevalence of Generalized Joint Hypermobility and Hypermobility Syndrome in Female College Athletes (OPO1211)
Russek LN, Errico DM

The Effectiveness of Functional Massage on Pain and ROM Measurements in Patients With Orthopaedic Impairments of the Extremities (OPO1212)
Sobeck CM, Knipper S, Lenk L, Rhoda A, Stickler L, Stephenson P

Reliability of iPod Touch Digital Inclinometer Application Compared to Standard Goniometry and Gravity Inclinometer (OPO1213)
Starr D, Bevins T, van Duijn AJ

Improving Outcomes in Patients With Muscle Tension Dysphonia: A Myofascial Release and Exercise Program (OPO1214)
Tomlinson C, Coon K, MacKenzie A, Archer K

Ultrasound Imaging as a Diagnostic Tool for Muscle, Tendon, and Fascia Pathologies: An Emerging Physical Therapy Practice (OPO1215)
White D, Bird C, Bayliss A, Loghmani MT

Balance Ability: A Factor in Falls and Prosthetic Function in Adults With Leg Amputation (OPO1216)
Wong CK, Benoy S, Blackwell W, Rahal R

Use of a Multiple-Construct Psychosocial Measure for Patients With Musculoskeletal Pain: A Case Series (OPO1217)
Wurtzel WA, George SZ

Identification and Effect of Behavior Modifiers to Enhance Adherence and Outcomes of Physical Therapy Home Exercise Programs: A Systematic Review (OPO1218)
Yost J, Valek K, Emery K, Manno C, Donaldson M

Wednesday, January 23

SHOULDER

Influence of Body Awareness on the Effectiveness of Respiratory-based Therapeutic Relaxation to Reduce SEMG Activity of the Upper Trapezius (OPO2218)
Allen RJ, Heartman AR, Wallin KB, Bennett TL, Hodgeson BL

Syncope Associated With Increased Vagal Tone in Patients With Thoracic Outlet Syndrome: A Case Series (OPO2219)
Allen RJ

Comparison of Low-Volume Versus High-Volume Upper Extremity Plyometric Exercises on Shoulder Performance (OPO2220)
Arnsdorff K, Anderson S, Burton K, Voight D, Davies G, Riemann B

Measuring Acromiohumeral Distance Using the Full Can and Empty Can Test Positions Between Novice and Experienced Testers (OPO2221)
Beebe JA, Hanssen KM, Varilek SA

Screening for Medical Referral in a Patient With Right Rhomboid Strain (OPO2222)
Calley DQ

Discriminant Validity of Clinical Tests to Screen for Proximal-Caused Scapular Dyskinesis in Subacromial Impingement Syndrome (OPO2223)
Chen W, Chang Q, Shih Y, Ma H

Intratester Reliability for Quantification of Forces With Accessory and Physiologic Movements Using Computerized Instrumented Shoulder Models (OPO2224)
King JE, Davies G, Cunningham TJ

Intratester Reliability for Quantification of Forces With Accessory and Physiologic Movements Stratified Among First-, Second-, and Third-Year Physical Therapy Students Using Computerized Instrumented Shoulder Models (OPO2225)
Davies G, King JE, Cunningham TJ

A Randomized Prospective Training Study of Open-Kinetic-Chain and Closed-Kinetic-Chain Perturbation Training in Individuals With Shoulder Pain (OPO2226)
Ewin WC, King JE, Kirksey AM, Davies G, Bringman D, Willcox AL

The Effectiveness of Various Treatment Interventions on Posterior Shoulder Capsule Tightness and Glenohumeral Internal Rotation Deficit in Overhead Athletes: A Systematic Review (OPO2227)
Ferraro R, Andrasko C, DeWitt R, Decord A, Solecki S, Werner D

Comparison of Contractions Between a New Technique of Supraspinatus Muscle Testing and Commonly Used Techniques of Testing Through the Use of Ultrasound Imaging (OPO2228)
Forbush SW, White D, Smith W, Harrell V, Howard D, Huffman J, Kuja D, Seaman E

The Effect of Thoracic Outlet Syndrome Testing on Vagal Tone in a Normal Population (OPO2229)
Gornick F, Peterson RL, Allen RJ, Hendrickson RR, Krippner RC

Reliability of Voluntary Activation Testing of the Infraspinatus in Healthy Adults (OPO2230)
Harrington AT, Fliss T, Gherardi K, Senese M, Stackhouse SK, McClure P

The Effectiveness of Physiotherapeutic Interventions in Treatment of Adhesive Capsulitis: A Systematic Review (OPO2231)
Jain TK, Sharma N

Trunk Rotation Does Not Significantly Increase Scapulothoracic Muscle Activation During Resisted Upper Extremity Proprioceptive Neuromuscular Facilitation (OPO2232)
Kempton J, Hines N, Gallagher L, Robertson S, Borstad J

Shoulder Pain in a 64-Year-Old Swimmer With Spinal and Glenohumeral Mobility Restrictions (OPO2233)
Eischen J, Krause DA, Finnie S

The Effect of Rehabilitation on Outcome Following Rotator Cuff Repair: A Comparison of Standard Versus Delayed Protocol (OPO2234)
Leggin B, Kelley MJ, Glaser DL, Brill N, Corkwell S, Ronin S

Shoulder Muscle Complex Anomalies Associated With Rotator Cuff Tears: A Cadaver Study (OPO2235)
Lewis JE, Thompson DL, Wang Y, DiFelice A

The Combined Effect of Manual Therapy and Motor Control Training for 2 Recreational Throwers With Chronic Shoulder Pain (OPO2236)
Lockwood MI, Pitts R, Tonley J, Wong M, Yung E

Thoracic Spine Manipulation Does Not Improve Shoulder Range of Motion in Healthy Individuals (OPO2237)
Mischke J, Meyer K, Larsen K, Grindstaff TL

Motor Control Training for a Cross-country and Track Runner With Scapular Pain: A Case Report (OPO2238)
Resari J

Smoking and Shoulder Pain: Correlation With Change in Short-Term Pain and Disability in Patients With Shoulder Impingement Syndrome (OPO2239)
Rhon D, Boyles B, Cleland JA, Huang R

Analysis of a Preseason Shoulder Screening Tool Developed for Collegiate Swimmers (OPO2240)
Schilling DT, Elazzazi A

Neurological Complications After Arthroscopic Tenotomy of the Long Head of the Biceps (OPO2241)
Schlichte B, Farrell K, Jones C, Lawrence R

Upper Extremity Impairments in Individuals With Diabetes Mellitus (OPO2242)
Shah KM, Clark R, McGill JB, Mueller MJ

A Case Series Examination of Pain-Related Fear and Clinical Outcomes in Patients With Shoulder Pain (OPO2243)
Storey K, Coronado RA

Assessment of the Acromiohumeral Distance During Isometric Shoulder External Rotation With and Without Adduction in Healthy Participants (OPO2244)
White C, Dedrick G, Brismée J, Sizer PS, Tomaka J

OCCUPATIONAL HEALTH

Sensitivity and Specificity of Various Cutoff Values When Using the 5-Position Grip Strength Test in Women (OPO2179)
Phillips H, Christman B, DeAcetis S, Castro A

A Survey of the Musculoskeletal Symptoms and the Importance of Ergonomic Awareness in Preventing Injury Among Video Interpreters (OPO2180)
Roman G

SPINE

Are Preoperative Fear-Avoidance-Model Factors Predictive of Outcome After Herniated Lumbar Disc Surgery? (OPO2181)
Alodaibi FA, Fritz J

The Effectiveness of an Advanced Outpatient Rehabilitation Program in the United States Using the Schroth Method on Adolescent and Adult Scoliosis: A Report of 4 Case Studies (OPO2182)
Berdishevsky H

The McKenzie Method for Treatment of Failed Back Surgery Syndrome and Chronic Low Back Pain in a 57-Year-Old Woman (OPO2183)
Bernie N, Wanek L, Katzman W, Andrade C

Placebo Mechanisms of Spinal Manipulative Therapy in the Treatment of Individuals With Low Back Pain (OPO2184)
Bialosky J, Horn ME, George SZ, Robinson M

Trunk Aberrant Movement Patterns: Linking Instrumented Kinematics to Clinical Observation (OPO2185)
Biely SA, Wattananon P, Silfies SP, Smith SS, Ebaugh D

Validity and Test-Retest Reliability of the iPod Touch Inclinometer Application Measuring Cervical Range of Motion (OPO2186)
Boyles B, Simon J, Adams C

Determining the Most Effective Teaching Method to Selectively Contract the Transverse Abdominis Muscle: A Randomized Controlled Trial (OPO2187)
Coffman N, Herlocker A, Mainer M, Pertain S, Wofford N

Prevalence of Gluteus Medius Weakness in Individuals With Low Back Pain Compared to Age- and Sex-Matched Controls Without Low Back Pain (OPO2188)
Cooper NA, Tipayamongkol N, Scavo KM, Strickland KJ, Nicholson JD, Bewyer DC, Sluka K

Predictors of Pain and Disability in Patients With Chronic Back Pain in an Interdisciplinary Rehabilitation Program (OPO2189)
Cooper NA, Bierbaum RF, Lang JM, Mueller LA, Lee PJ, Keffala VJ, Sluka K

Use of Thrust Joint Manipulation in Doctor of Physical Therapy Student Clinical Education Experiences: Bridging the Gap From Classroom to Clinic (OPO2190)
Corkery MB, Cesario C, Hayward L, Bakos J, Coogan E, Sheedy R

First-Rib Manipulation for Unilateral Neck Pain in a Woman With a Thoracic Spinal Fusion (OPO2191)
Fink ML

A 16-Month Follow-up on the Effectiveness of Integrating the Movement System Impairment Scheme With the McKenzie Approach to Treat Lumbar Radiculopathy (OPO2192)
Gagne PJ

Conservative Treatment in Lumbar Spondylolysis and Spondylolisthesis: A Systematic Review (OPO2193)
Garet M, Reiman MP, Mathers J, Sylvain J

Physical Therapy Management of a Patient Presenting With Low Back Pain and Radicular Complaints Resulting From Cushing Syndrome–Related Spinal Epidural Lipomatosis: A Case Report (OPO2194)
Guan W, Bialosky J, Shay T

Effectiveness of Select Classification Systems for Low Back Pain: A Systematic Review (OPO2195)
Haladay DE, Steiner LA, Chari A, Yu C

A Standardized Program of Stretching and Muscle Performance Exercise: The Influence on Perceived Pain and Disability in Patients With Neck Pain (OPO2196)
Hanney WJ, George SZ, Kolber MJ, Young IA, Patel C, Cleland JA

Preliminary Development of a Clinical Prediction Rule to Identify Patients With Neck Pain Who May Benefit From a Standardized Program of Stretching and Muscle Performance Exercise (OPO2197)
Hanney WJ, George SZ, Kolber MJ, Young IA, Patel C, Cleland JA

Restricted Hip Mobility in a Patient With Chronic Low Back Pain (OPO2198)
Hass DJ, Ross AJ, Sindelar B, Thomas JS

Bladder Dysfunction and Early Detection of Cauda Equina Syndrome (OPO2199)
Herman G, Zehr S

The Effects of Hip Position and Lower Extremity Stabilization on Peak Trunk Flexion Force and Activation of the Abdominal and Hip Flexor Muscles (OPO2200)
Huls E, Peters E, Oberst SR, Wall CM, Thomas JS

Novel Use of Tragus-to-Wall Distance Measurement to Quantify Postural Compensations in Children Due to the Carriage of Weighted Backpacks (OPO2201)
Kistner F, Fiebert I, Roach KE

Upper Extremity Polyneuropathy in a Patient With a History of Cervical Hyperextension Injury, Cubital, and Carpal Tunnel Release: A Case Study (OPO2202)
Leschitz J, Beneciuk J, Osborne R, Rowe R

Effectiveness of the ATM2 as a Treatment Intervention for Mild-to-Moderate Scoliosis (OPO2203)
Lewis C

Clinical Decision Making and Physical Therapy Management for Cervicogenic Dizziness: A Case Report (OPO2204)
Mathew S

Managing Low Back Pain Through Stability, Strengthening, and Balance Exercises in Patients Over the Age of 65 Years: A Case Study (OPO2205)
McGaugh JM, Ellison J, Davenport C

An Alternative Method of Extension Exercises in the Treatment of Low Back Pain: A Pilot Study (OPO2206)
O'Dell WD, Rundquist PJ, Killian C, Kegerreis S

Differential Diagnosis: Multiple Sclerosis Versus Acute Lower Extremity Radiculopathy (OPO2207)
Oravitz MS

Implementation of the Canadian Cervical Spine Rules Following Physician Referral of a Patient With Shoulder Pain: A Case Report (OPO2208)
Pascoe SC

Specific Motor Control Exercises for Adults With Mechanical Neck Pain: A Critically Appraised Topic (OPO2209)
Plawa A

Treatment for an Acute Incidence of Recurrent Low Back Pain Using a Local and Regional Interdependence Model: A Case Report (OPO2210)
Pratt L, Johnson L

Physical Therapy Management for the Treatment of Cervicogenic Headache: A Systematic Review (OPO2211)
Racicki S, Gerwin S, DiClaudio S, Reinmann S, Donaldson M

Evaluation of Intrasubject Difference in Hamstring Flexibility in Patients With Low Back Pain: An Exploratory Study (OPO2212)
Radwan A, Buonomo H, Moats S, Tatarevic E, Tomko M, Ross J, Jarmak M, Bigney K

Movement Analysis Pre– and Post–Acute Onset of Low Back Pain (OPO2213)
Ross AJ, Linsenmayer M, Walkowski S, Clark BC, Thomas JS

Immediate Effect of Positional Release Technique Versus Manual Pressure Release on the Upper Trapezius Muscle (OPO2214)
Shenouda MS, Shawabkah SA, Balbaa AA

Fatigue of the Trunk Flexors in Position and Force-Matching Tasks in Healthy Subjects (OPO2215)
Wall CM, Oberst SR, Steele DW, Thomas JS

Reliability of CROM Cervicothoracic Postural Measurements in Women Over 40 (OPO2216)
Vezina K, Khoung J, Widak N, Adamo D, Dunleavy K

Blood Pressure and Heart Rate Response to Posterior Glide of the Cervical Spine Compared to Placebo in Normal, Healthy Volunteers (OPO2217)
Yung E, Mache K, Williams H, Wong M

FOOT/ANKLE

Variations in Foot Posture and Mobility in Individuals With Knee Osteoarthritis (OPO3171)
Anemaet WK, McPoil TG, Hammerich A

The Reliability of a New Measurement to Assess the Vertical Mobility of the Midfoot (OPO3172)
McPoil TG, Abeler M, Devereaux K, Flood L, Merriman S, Vanderlaan M, Villadiego T, Cornwall MW, Sullivan S, Wilson K

Reliability of the Modified Reverse-6 Foot-Taping Technique (OPO3173)
Cornwall MW, Lebec M, DeGeyter J

Navicular Drop or Arch Height Difference: Which Is the Optimal Method to Assess Vertical Mobility of the Midfoot? (OPO3174)
Cornwall MW, Sullivan S, Wilson K, McPoil TG, Abeler M, Devereaux K, Flood L, Merriman S, Vanderlaan M, Villadiego T

Plantar Fasciitis: Weakness of the Intrinsic Toe Flexors: A Case Study (OPO3175)
Donahue KA

Use of Manual Therapy in the Treatment of Traumatic Distal Tibiofibular Syndesmosis Injury (OPO3176)
Forsythe S

Treatment of Chronic Insertional Achilles Tendinopathy in a Long-Distance Runner Using Eccentric Strength Training, Orthotics, and Video Running Analysis: A Case Report (OPO3177)
Heisler H

A Quota-based Exercise Approach in a Patient With Complex Regional Pain Syndrome Type 1 of the Ankle: A Case Study (OPO3178)
Hudson J, Bialosky J

First-Ray Kinematics in Females With Rheumatoid Arthritis and Bunion: An Imaging Study (OPO3179)
Jensen DD, Kampa BP, Karg LK, Krych AR, Ludewig PM, Glasoe WM

First-Ray Axis: Clinical Measurements Leading to Treatment Strategies for Foot Bunion (OPO3180)
Wolff K, Wicks A, Shaw A, Smith J, Ludewig PM, Glasoe WM

Effects of a Multifaceted Treatment Approach in Restoring a Runner's First MTP Joint Mobility 10 Years Post–Medial Bunionectomy (OPO3181)
Lwin J, Johnson L

Risk Factors Contributing to the Development of Medial Tibial Stress Syndrome: A Systematic Review With Meta-analysis (OPO3182)
Ballantyne B, Howard J, Mandac J, Murphy J, Weihler K

Impact of Plantar Intrinsic Muscle Training on Navicular Drop in Relaxed Stance (OPO3183)
Mulligan EP, Cook P

Bone Marrow Edema in the Foot After a 10-Week Transition From Traditional Running Shoes to Minimalist Running Shoes (OPO3184)
Ridge S, Mitchell UH, Hunter I, Johnson AW, Brown S

Validation of 3-D Accelerometry to Measure Static and Dynamic Postural Stability (OPO3185)
Sell TC, Heebner NR, Akins JS, Turcheck ML, Lephart SM

Improvement in Pain Pressure Thresholds and Function Following the Application of Noxious Electrical Stimulation on a Runner With Chronic Achilles Tendinopathy: A Case Study (OPO3186)
Stackhouse SK, Eckenrode BJ

Intrarater and Interrater Reliability Using the VariFit Accu-Pin Scanner in Assessing Foot Arches (OPO3187)
Johnson AW, Mitchell UH, Ridge S, Hunter I

Effect of Eccentric Strengthening on Pain, Muscle Strength, Endurance, and Functional Fitness Factors in Individuals With Achilles Tendinopathy (OPO3188)
Yu J, Park D, Kang H, Lee G

Thursday, January 24

1:00 PM-3:00 PM
HIP/KNEE

Functional Rehabilitation in Multiple Total Hip Arthroplasty Revisions and Marfan Syndrome (OPO3189)
Berengut E

Differences in Health-Related Quality of Life Among Subjects With Bilateral, Unilateral, and No Knee Pain: Data From the Osteoarthritis Initiative (OPO3190)
Bindawas SM, Vennu V

Associations Between Early Range of Motion and Force Output on the International Knee Documentation Committee Subjective Form After Anterior Cruciate Ligament Reconstruction (OPO3191)
Christensen J, Goldfine L, Barker T, West H

The Effects of Postoperative Restrictions After Anterior Cruciate Ligament Reconstruction Using Autologous Hamstring Tendon: A Randomized Clinical Trial (OPO3192)
Christensen J, Goldfine L, West H

Hip Rotator Strength in Hip Flexion and Extension: A Study of Healthy Individuals and Those With Hip Pain (OPO3193)
Cornbleet SL, Bloom N

The Target Touch Task: A Weight-Shifting Performance Test for Individuals With a Total Knee Replacement (OPO3194)
Denney L, Maletsky L, Ferris L

Hip Joint Torques During the Golf Swing of Young and Senior Healthy Males (OPO3195)
Foxworth J, Long B, Way M, Vellucci M, Vogler J

Bony Abnormalities of the Hip Joint: Measurement Reliability Using Magnetic Resonance Imaging (OPO3196)
Harris-Hayes M, Commean PK, Hunt JD, Clohisy JC, Hillen TJ

A Comparison of Lower Extremity Muscle Strength Measurements Taken With a Handheld Dynamometer With and Without Use of a Stabilization Strap (OPO3197)
Hines E, Bedell L, Trudelle-Jackson E

Residual Groin Pain Following Open Surgical Dislocation for Femoroacetabular Impingement: Is a Second Surgical Procedure Necessary? (OPO3198)
Jain LH

Time Course of Muscle Strength and Functional Recovery During the First Year Following THA (OPO3199)
Judd DL, Thomas AC, Wolfe P, Dennis DA, Kim RH, Dayton MR, Stevens-Lapsley J

Lower Extremity Stiffness During Transition From Stair Descent to Walking in Unilateral THA Subjects (OPO3200)
Koepp L, Covill LG, Nettrour J, Mahoney C, Vardaxis V

Effects of Examiner Strength on Reliability of Hip Strength Testing Using a Handheld Dynamometer (OPO3201)
Krause DA, DeVinny HA, Johnson AE, Lambert KA, Neuger MD, Hollman JH

Conservative Management of Chronic Anterior Cruciate Ligament Deficiency With Associated Knee Pathologies (OPO3202)
Lundberg GM, Boissonnault W, Worth R

Magnetic Resonance Analysis of Loaded Meniscus Kinematics and Tibiofemoral Contact Area (OPO3203)
MacLeod TD, Kumar D, Subburaj K, Wu S, Li X, Link TM, Majumdar S, Souza RB

Postural Correction Reduces Hip Pain in A Young Adult With Acetabular Dysplasia: A Case Study (OPO3204)
Marinko LN, Lewis CL

The Association Between the Timing of Postoperative Physical Therapy and Clinical Outcomes in Individuals Post–Total Knee Replacement: A Case Series (OPO3205)
Martin A, Bialosky J, Watson L

Interaction of Gender and Body Composition on Rectus Femoris Morphology Across Knee Range of Motion (OPO3206)
Martinez C, Davis A, Myers H, Garrett WE, Butler RJ

Investigating Acetabular Orientation and Associated Radiological Findings in Patients With Hip Pain: A Pilot Study (OPO3207)
McGaugh JM, Ellison J, Jadhav S, Riascos-Castaneda R

Development of a New Clinical Trunk Control Test (OPO3208)
Meister K, Franzen L, Noehren B

Usual Care for Hip and Knee Osteoarthritis (OPO3209)
Miller Spoto MA

Acute Training Changes in Jump-Landing Performance in Patients With ACL Reconstruction (OPO3210)
Mizner RL, Danna-Dos-Santos A

Validity of Measuring Leg Length With Tape Measure Compared to CT Scan (OPO3211)
Neelly KR, Wallmann HW, Backus CJ

The Relationship Between Hip and Trunk Strength to Peak Hip Joint Angles During Running (OPO3212)
Nicholson L, Pence K, Noehren B

Isokinetic Strength Profiles of Patients 11 to 13 Weeks Post–ACL Reconstruction: An Analysis Based on Graft Type and Gender (OPO3213)
Pabian P, Greeno E, Ivey N, Young K, Hanney WJ

A Complete Anterior Cruciate Ligament Tear From an Avulsed Tibial Eminence: A Case Report (OPO3214)
Pabian P, Greeno E, Schwartzberg R, Hanney WJ

GlideCycle Mobility Device Reduces Ground Reaction Forces Compared to Running in Healthy Individuals (OPO3215)
Perry JC, Johnson AW, Ridge S

Hip Strength Recovery With Direct Anterior and Posterior Approach Total Hip Arthroplasty: Are There Any Differences? (OPO3216)
Rathod P, Fukunaga T, Deshmukh A, Ranawat A, Rodriguez J

Graduated Prosthetic Rehabilitation for a Combat-Wounded Marine With Bilateral Transfemoral Amputation: A Case Report (OPO3217)
Rauk TL, Christiansen CL

Effects of Step Length on Patellofemoral Joint Stress in Female Runners With and Without Patellofemoral Pain (OPO3218)
Sharpee R, Ellis E, Willson JD, Meardon SA

Effect of Mobilization With Movement on Pain, Disability, and ROM in Patients With Knee Osteoarthritis (OPO3219)
Shenouda MS, Abdel Razek RK

Variation in Early Range of Motion and Recovery Among Patients Who Undergo Partial Knee Arthroplasty and Those Who Undergo Total Knee Arthroplasty (OPO3220)
Slaven EJ, Berend ME, Annee SM, Ritter MA, Davis K

Functional Outcomes and Return to Activity in a Ballet Dancer Following Arthroscopic Hip Surgery for Snapping Hip Syndrome (OPO3221)
Smith B, Blanco M, Woshczyn J

Clinical Decision and Diagnostic Process in a Young Adult Female With Lateral Hip Pain: A Case Report (OPO3222)
Smith J, Deprey SM, Hensley CP

The Use of Trunk Stabilization for the Treatment of Anterior Hip Pain: A Case Series (OPO3223)
Sung W, Forsythe S, Prince T, O'Neill J

Movement Training Designed to Minimize Knee Abduction During a Jump Landing Results in Increased Sagittal Plane Motion Throughout the Lower Extremities (OPO3224)
Tate J, Milner C, Fairbrother J, Zhang S

Knee Joint Kinematics at Rest and During Level and Sloped Treadmill Walking in Women With Knee Hyperextension (OPO3225)
Teran-Yengle P, Bissig K, Paige A, Rogers A, Yack H

Step-Rate-Modification Training While Running (OPO3226)
Wille C, Chumanov E, Steingraver K, Ebert K, Heiderscheit B

Running-Step-Rate Modification to Reduce Anterior Knee Pain in Runners (OPO3227)
Wille C, Chumanov E, Schubert A, Kempf J, Heiderscheit B

Comparison of Patellofemoral Stress During Running in Males and Females (OPO3228)
Wouters I, Almonroeder TG, Willson JD, Kernozek T

Hip Strength and Pain Characteristics in Females With Patellofemoral Pain Who Can and Cannot Correct a Medial Collapse Movement Pattern (OPO3229)
Yemm BL, Graci V, Salsich GB

Muscle Activation Levels During Standing Hip Joint Strengthening Exercises Using Elastic Tubing Resistance (OPO3230)
Youdas JW, Adams KE, Bertucci JE, Brooks KJ, Nelson MM, Hollman JH

PAIN MANAGEMENT

Clinical Outcomes of Electrotherapeutic Point Stimulation in Conjunction With Exercise for the Treatment of Patients With Chronic Knee Pain: A Case Series (OPO3231)
Gornoski LE, Coronado R, George SZ

Absorption of Hydrocortisone Acetate in Human Tendons Using Phonophoresis (OPO3232)
Gurney B

Comprehensive Management of a Patient With Chronic Low Back Pain and a Complex Medical History Using a Pain-Mechanism Classification Approach: A Case Report (OPO3233)
Hensley CP, Courtney CA

Association Among a Local Twitch Response During Dry Needling, Clinical Improvement, and Changes in Lumbar Multifidus Muscle Function in Patients With Low Back Pain (OPO3234)
Koppenhaver S, Walker M, Rettig C, Davis J, Nelson C, Su J, Harris K, Ross MD

Treatment of Central Pain in a Pediatric Patient With Postherpatic Neuralgia (OPO3235)
Meck BE, Fink ML, Louw A

Low-Level Laser Therapy Reduces Pain (OPO3236)
Meixl J, Burditt A, Hayes KM, Litsheim MA, Schuster C, Ver Voort KM, Huddleston WE

The Neurophysiologic Effects of Spinal Manipulative Therapy on Pain Perception: A Systematic Review (OPO3237)
Muth S, Collela D, Kohutanyz JR, Pope D, Sherry B, Turner J

Graded Exposure Therapy Versus Graded Activity Therapy in Adults With Chronic Low Back Pain: A Critically Appraised Topic (OPO3238)
Polishchuk K, Ojha HA

The Effects of Guided Imagery on Neck Flexor Endurance, Disability, and Perceived Exertion in a Population With Chronic Neck Pain: A Pilot Study (OPO3239)
Rundquist PJ, Copeland J, Rinaldi M, Kegerreis S, Staples W

A Cross-sectional Survey Assessing Movement-Related Fear, Psychological Distress, and Function Among Community-based Individuals With Fibromyalgia Syndrome (OPO3240)
Russek LN, Gardner S, Zaluski-Brown E, Maguire K, Stevens C

Cervical Radiofrequency Neurotomy Improves Physical Impairments, Including Sensory Hypersensitivity in Persistent Whiplash-Associated Disorder (OPO3241)
Smith AD, Jull GA, Schneider G, Frizzell B, Hooper RA, Sterling M

SPORTS PT SECTION PLATFORM PRESENTATIONS

Tuesday, January 22

EXCELLENCE IN RESEARCH AWARD AND PRESENTATION

Preseason Shoulder ROM Screening as a Predictor of Injury Among Youth, Adolescent, and Professional Baseball Pitchers (SPL1)
Shanley E
3:00 PM-5:00 PM

Wednesday, January 23

ANTERIOR CRUCIATE LIGAMENT AND KNEE 1

Hip Abduction Strength Predicts Second Anterior Cruciate Ligament (ACL) Injury After ACL Reconstruction and Return to Sport (SPL2)
Paterno M
8:00 AM-8:15 AM

Effects of Hip Strengthening on Early Outcomes Following Anterior Cruciate Ligament Reconstruction (SPL3)
Garrison C
8:15 AM-8:30 AM

Quadriceps Strength Measures Are Differentially Associated With Function After ACL Reconstruction (SPL4)
Lentz T
8:30 AM-8:45 AM

ACL Reconstruction: Quadriceps Strength Asymmetries at Time of Return to Sport (RTS) Negatively Impact Function and Performance at 1 Year Following RTS (SPL5)
Schmitt L
8:45 AM-9:00 AM

The Utility of Limb Symmetry Indices in Return-to-Sport Assessment in Patients With Bilateral Anterior Cruciate Ligament Reconstruction (SPL6)
Zwolski C
9:00 AM-9:15 AM

Abnormal Support Moments Persist up to 1 Year After ACLR (SPL7)
White K
9:15 AM-9:30 AM

Comparison of 2-Dimensional and 3-D Measurement of Frontal Plane Knee Angle After ACL Reconstruction (SPL8)
Thoma L
9:30 AM-9:45 AM

The Reliability of the Retro Step Test as a Measure of Functional Performance in ACL-Injured Subjects (SPL9)
Swanson K
9:45 AM-10:00 AM

ANTERIOR CRUCIATE LIGAMENT AND KNEE 2

Criteria Physical Therapists Consider Critical for Return-to-Sport Status Post–ACL Reconstruction (SPL10)
Pratt K
11:00 AM-11:15 AM

North American Physical Therapists Do Not Emphasize Patient-Reported Outcomes in Determining Success After ACL Injury or Reconstruction (SPL11)
Lynch A
11:15 AM-11:30 AM

Clinical Utility of an Injury-Specific Psychological Survey for Long-Term ACL Reconstruction Outcomes (SPL12)
Mizner R
11:30 AM-11:45 AM

Fear of Movement/Reinjury and Activity Self-Efficacy in Early and Late Phases of ACL Reconstruction Rehabilitation (SPL13)
Herder B
11:45 AM-12:00 PM

Identification of Individuals at Risk for Not Returning to Preinjury Levels of Sports Participation After ACL Reconstruction Due to Fear of Reinjury/Lack of Confidence (SPL14)
Lentz T
12:00 PM-12:15 PM

Fatigue Alters Lower-Limb Kinematics in Self-Selected Sidestep and Crossover Cuts Performed During a Sport-like Agility Test (SPL15)
Potter D
12:15 PM-12:30 PM

Effects of Maturation on ACL Injury and Patellofemoral Pain Risk Factors in Female Adolescent Athletes (SPL16)
Quatman-Yates C
12:30 PM-12:45 PM

Comparison of Hip Strength and Core Endurance in Males With and Without Patellofemoral Pain Syndrome (SPL17)
Bolgla L
12:45 PM-1:00 PM

SHOULDER, ELBOW, AND RUNNING

Comparison of 3 Baseball-Specific 6-Week Training Programs on Shoulder Strength and Power in High School Baseball Players (SPL18)
Escamilla R
3:00 PM-3:15 PM

Shoulder Range-of-Motion Deficits in Baseball Players Diagnosed With Ulnar Collateral Ligament Injuries (SPL19)
Garrison C
3:15 PM-3:30 PM

Posterior Shoulder Tightness: Relationships With Subacromial Space and Tendon Thickness in Subacromial Impingement (SPL20)
Seitz A
3:30 PM-3:45 PM

Bilateral Comparison of Shoulder Horizontal Adduction Range of Motion in Elite Tennis Players (SPL21)
Ellenbecker T
3:45 PM-4:00 PM

Dominant Medial Elbow Joint Space But Not Gapping Is Greater Compared to Nondominant Elbow in Asymptomatic Professional Baseball Players (SPL22)
Bailey L
4:00 PM-4:15 PM

Relationships Between Female Athlete Triad Conditions and Subsequent Musculoskeletal Injury Among Competitive Female High School Distance Runners (SPL23)
Rauh M
4:15 PM-4:30 PM

Step Width and Tibial Stresses During Running (SPL24)
Meardon S
4:30 PM-4:45 PM

A Comparison of Eccentric Joint Work and Vertical Ground Reaction Force Loading Rates Between Chi Runners and Traditional Rearfoot-Striking Runners (SPL25)
Goss D
4:45 PM-5:00 PM

Thursday, January 24

PLATFORMS 1: SPORTS RESIDENCY

Normal External/Internal Rotation Strength Ratios in Select Upper Extremity Healthy Athletes Using a Handheld Dynamometer (SPL26)
Hahn J
8:00 AM-8:15 AM

Return-to-Sport Rehabilitation for a 21-Year-Old Male Power Lifter Following Subscapularis Repair (SPL27)
Salsbery M
8:15 AM-8:30 AM

Brachial Plexus Avulsion With Subclavian Artery Disruption in a Collegiate Football Player: A Case Study (SPL28)
Rabelo E
8:30 AM-8:45 AM

Rehabilitation of the Reconstructed Ulnar Collateral Ligament in the Elbow of a College Baseball Pitcher (SPL29)
Toolan A
8:45 AM-9:00 AM

Baseball Players Diagnosed With Ulnar Collateral Ligament Injuries Demonstrate Decreased Balance Compared to Healthy Controls (SPL30)
Arnold A
9:00 AM-9:15 AM

Hip Physical Performance Testing (SPL31)
Halcrow L
9:15 AM-9:30 AM

Relationships Between Isometric Strength, Functional Testing With a Step-down Task, and Dynamic Testing With a Drop Vertical Jump (SPL32)
Walker J
9:30 AM-9:45 AM

Y-Balance Performance for Skilled Versus Unskilled Football Players (SPL33)
Barrett C
9:45 AM-10:00 AM

PLATFORMS 2: SPORTS RESIDENCY

The Effects of Immobilization on Restoring Full Active Knee Flexion Range of Motion in a Division I Basketball Player Post–Anterior Cruciate Ligament Reconstruction (SPL34)
Trice S
11:00 AM-11:15 AM

Comparison of Hamstring Strength and Muscle Activity With Exercise After ACL Reconstruction: The Influence of Graft Type and Knee Flexion (SPL35)
Braegelmann B
11:15 AM-11:30 AM

Relationship of Patient Self-Reported Outcomes to Clinical Impairments and Functional Sport Tests in Athletes Who Have Returned to Sport Following Anterior Cruciate Ligament Reconstruction (SPL36)
Beasley K
11:30 AM-11:45 AM

Knee Extension Motion Deficits Are Associated With Increased Lower Extremity Injury Risk Profile in Athletes Who Have Returned to Sport Following Anterior Cruciate Ligament Reconstruction (SPL37)
Backs J
11:45 AM-12:00 PM

Rehabilitation Following ACL Insertional Injury in a 12-Year-Old Recreational Male Basketball Player (SPL38)
Minner J
12:00 PM-12:15 PM

Return-to-Sport Rehabilitation for a Collegiate Baseball Catcher Following a Meniscal Repair Procedure (SPL39)
Briggs B
12:15 PM-12:30 PM

BMI, Race, and Fitness as Predictors of Attendance in an Exercise Intervention in Children Who Are Obese (SPL40)
Boyd A
12:30 PM-12:45 PM

POSTURAL STABILITY, TESTING, LOWER EXTREMITY, AND INJURY

Gender Differences in Clinical Predictors of Performance on the Star Excursion Balance Test (SPL41)
Jones D
3:00 PM-3:15 PM

Dynamic Balance Values Differ Across Competition Level and Sporting Activities (SPL42)
Arnold T
3:15 PM-3:30 PM

Functional Testing and Prediction of Lower Extremity or Low Back Injury Among Division III Collegiate Athletes (SPL43)
Brumitt J
3:30 PM-3:45 PM

Diagnostic Accuracy of Clinical Tests of the Hip: A Systematic Review With Meta-analysis (SPL44)
Reiman M
3:45 PM-4:00 PM

Eccentric Hamstring Strengthening in the Lengthened State After Hamstring Strain Injury (SPL45)
Schmitt B
4:00 PM-4:15 PM

Ankle Dorsiflexion Range of Motion Influences Lateral Step-down Test Scores in Individuals With Chronic Ankle Instability (SPL46)
Dolan N
4:15 PM-4:30 PM

Effectiveness of the American Red Cross Emergency Response Course in Improving Student Physical Therapists' and Physical Therapists' Decision Making Related to Acute Sports Injuries and Medical Conditions (SPL47)
Karges J
4:30 PM-4:45 PM

Incidence and Prevalence of Injuries Reported by Female Roller Derby Athletes: A Descriptive and Correlation Study (SPL48)
Burns R
4:45 PM-5:00 PM

SPORTS PT SECTION POSTER PRESENTATIONS

The following poster abstracts are available online only at www.jospt.org.

Tuesday, January 22

1:00 PM-3:00 PM

Ultimate Frisbee Injuries Among Club Sports in a Collegiate Setting (SPO1154)
Akinbola M, Snyder-Mackler L

Treatment of Distal Iliotibial Band Syndrome in a Long-Distance Runner With Gait Retraining Emphasizing Step-Rate Manipulation: A Case Report (SPO1155)
Allen DJ

Development of a Physical Performance Assessment Instrument for Patients Who Sustained a Lower Extremity Injury in Preparation for Return to Sport: A Delphi Study (SPO1156)
Baker T, Haines S, Donaldson M

Hypermobility and Dynamic Balance in Junior Soccer Players From Spain (SPO1157)
Butler RJ, Salinas V, Queen RM, Garrett WE, Plisky PJ

Effect of Cutting Angle and Sex on Knee Valgus Moment (SPO1158)
Cesar GM, Havens K, Bogdanoff S, Powers CM, Pollard C, Sigward SM

Comparison of the Proprioceptive and Motion-Reduction Effects of Shoulder Braces in Individuals With a History of Anterior Shoulder Dislocation (SPO1159)
Cieminski CJ, Boldt E, Burg M, Jackson L, Prokop L

Surgical Intervention and Rehabilitation Following a Multiligament Knee Injury in a Professional Alpine Ski Racer (SPO1160)
Cimino DJ

Closed-Kinetic-Chain Testing of Lower Extremity Strength and Power (SPO1161)
Cobian DG, Williams GN

Lower Extremity Power and Knee Extensor Torque Development Early After Knee Arthroscopy: A Case Study (SPO1162)
Cobian DG, Williams GN

Physical and Psychological Variables Associated With Return to Sport Following Anterior Cruciate Ligament Reconstruction: A Systematic Review (SPO1163)
Czuppon S, Racette BA, Klein SE, Harris-Hayes M

Spine Biomechanics Associated With Carrying a Golf Bag (SPO1164)
Dale R, Case J, Tucker C

Effects of Foot Strike on Low Back Posture, Shock Attenuation, and Comfort (SPO1165)
Delgado TL, Kubera-Shelton E, Robb RR, Hickman R, Dufek JS, Wallmann HW

The Influence of Neighborhood Walkability on Physical Activity Level and Perceived Health Status (SPO1166)
Felder RB

Alteration of Running Mechanics in a Female Distance Runner With a Clinical Diagnosis of Deep Posterior Exertional Compartment Syndrome: A Case Study (SPO1167)
Greenberg E, Greenberg S

Graded Talocrural Joint Mobilization Does Not Alter Lower Extremity Spinal Reflex Excitability in Individuals With Chronic Ankle Instability (SPO1168)
Grindstaff TL, Morton SK, Dolan N, Mischke J, Meyer K, Pietrosimone BG

Manual Physical Therapy and Exercise in a Patient With a Confirmed Acetabular Labral Tear (SPO1169)
Haberl MD, Reuteman PF, Rodeghero J

Association of Psychosocial Factors and Knee Pain With Knee Function From Premeniscectomy to Postmeniscectomy (SPO1170)
Hsieh C, Moser MW, George SZ, Chmielewski T

The Influence of Hip Isometric and Isokinetic Strength on Postural Stability Assessed Using the Balance Error Scoring System (SPO1171)
Hugentobler JA, Roewer BD, Quatman-Yates C, Brent J, Myer GD, Hewett TE

Weight-Bearing Asymmetries as a Predictor of Lower Extremity Injury in Collegiate Football Players (SPO1172)
Jones D, Francis D, Tillman SM, Pass AN, Hernandez JA, Chmielewski TL

Return-to-Sport Criteria Do Not Moderate the Relationship Between Patient-Reported Knee Function and Return to Previous Activity Level (SPO1173)
Logerstedt D, Lynch AD, Snyder-Mackler L

Clinical Predictors of the Ability to Activate the Knee Extensors (SPO1174)
Miller J, Garrido A, Farthing A, Despres L, Warren G, Morelli K, Garcia J, Lewis JE, Donnelly JM

Immediate Effects of Lumbopelvic Manipulation Versus Lateral Gluteal Kinesio Taping Versus Control Taping on Active Individuals With Unilateral Patellofemoral Pain Syndrome (SPO1175)
Miller JM, Westrick RB, Diebal A, Gerber P

Posterior Shoulder Tightness Without Concomitant GIRD Increases Injury Risk in High School Baseball Pitchers (SPO1176)
Mullaney M, Tyler TF, Mirabella M, McHugh M, Nicholas S

Exercise Intensity and Transabdominal Real-Time Ultrasound Imaging of Pelvic Floor Excursion in Young, Nulliparous, Athletic Women (SPO1177)
Nelson PR, Miller EM

Analysis of Neuropsychological Baseline Tests in Private, College-Preparatory High School Athletes (SPO1178)
Pabian P, Greeno E, Keirn C, Williams R

A Comparison of Joint Kinetics and Kinematics Between Trained Runners and Untrained Runners (SPO1179)
Pence K, Nicholson L, Noehren B

The Influence of Hip and Core Endurance on Postural Stability Assessed Using the Balance Error Scoring System (SPO1180)
Quatman-Yates C, Hugentobler J, Thomas SM, Barber Foss K, Myer GD

Calcaneal Stress Fracture in a Competitive Runner After Incorporating Minimalist Footwear (SPO1181)
Reuteman PF, Kernozek T, Durall C, Meardon SA

Correlation and Limits of Agreement Between Manual and Digital Scanning Techniques for the Measurement of Foot Shape (SPO1182)
Sander TC, Moore JH, Cavanagh PR, Prye JC, Winterroth SW, Thomasma EJ, Hurst MR, Dummar AR, Teyhen DS

Relationship Between Upper-Quarter Function and Golf Kinematics (SPO1183)
Shutt JM, Queen RM, Kiesel K, Plisky P, Rose G, Butler RJ

Vertical Force in Jump Landing Is Influenced by Different Factors in Athletes With and Without ACL Reconstruction (SPO1184)
Solis FM, van den Boogaard J, Dominguez J, Conrad B, Tillman SM, Chmielewski T

Knee Deficits Are Associated With Higher Landing Error Scoring System Scores in Athletes Who Have Returned to Sport Following Primary Anterior Cruciate Ligament Reconstruction (SPO1185)
Stanley LE, Backs J, Beasley K, Shanley E, Padua D, Thigpen CA

An Adolescent Fast-Pitch Softball Pitcher With a Humeral Fracture: Rehabilitation and Return to Sport Using Evidence and Video Analysis of Pitching Mechanics: A Case Report (SPO1186)
Starkey A

Is the Retro Step Test a Sensitive Measure of Functional Strength Deficits in Patients With ACL Reconstruction? (SPO1187)
Swanson KJ, Myhre S, Petit M

Reduced Hip Strength Is Associated With Increased Hip Motion During Running in Young Adult and Adolescent Long-Distance Runners (SPO1188)
Taylor-Haas JA, Hugentobler JA, DiCesare CA, Hickey KC, Myer GD, Ford KR

Odds of Being Recommended for Surgery Following Physical Therapy With a Superior Labral Lesion (SPO1189)
Uhl TL, Moore S, Sciascia AD, Kibler WB

The Effects of Running Cadence Manipulation on Plantar Loading (SPO1190)
Wellenkotter JP, Meardon SA, Kernozek T, Suchomel T

Effect of Static Hamstring Length on Sagittal Plane Mechanics in Male and Female Runners (SPO1191)
Williams D, Welch L

Individual Lower Extremity Joint Contributions During Acceleration, Deceleration, and Steady-State Runs (SPO1192)
Williams D, Ratcliff O, Butler RJ, Cole J

Effects of Resistance on Scapular Muscle Activity During Upper Extremity Diagonal Patterns (SPO1193)
Witt D, Talbott N, Kotowski S

Changes in the Lower Trapezius Muscle During Active Contraction: Is the Traditional Manual Muscle Testing Position Superior to a Prone Scapular Squeeze? (SPO1194)
Witt D, Talbott N

Effects of Knee Bracing on the Production of Lower Extremity Joint Moments During a Sprinting Task (SPO1195)
Yaggie JA, Roberts EJ, Chilbert MK, Craig CI

Effects of Local and Distant Interventions on Quadriceps Activation and Pain in Individuals With Patellofemoral Pain (SPO1196)
Yokota S, Plutschack C, Morton SK, Meyer K, Mischke J, Grindstaff TL