CSM 2017 POSTER PRESENTATIONS
(with authors and presenter)

*An asterisk following a name indicates a “Foundation for Physical Therapy” alumni.

The 18 sections of APTA have joined together to present posters on various physical therapy topics. Posters may be viewed during Exhibit Hall hours and will be displayed in both Exhibit Halls A and B (see listings for Section locations). Authors will be available to discuss their posters from 1:00 pm to 3:00 pm on the following days:

**Group 1: Thursday, February 16**

Acute Care, Aquatics, Cardiovascular/Pulmonary, Geriatrics, Health Policy and Administration, Orthopaedics (Elbow/Wrist/Hand, Other, Performing Arts, Poster Award Candidates), Research, Sports (Biomechanics, Case Studies, Running, Sports Residency)

**Group 2: Friday, February 17**

Clinical Eletrophysiology and Wound Management, Education, Federal, Neurology (Balance & Falls, Stroke and Vestibular SIGs), Orthopaedics (Occupational Health, Spine and Shoulder SIGs), Sports (Shoulder/Elbow, Spine), Miscellaneous

**Group 3: Saturday, February 18**

Hand Rehabilitation, Home Health, Neurology (Brain Injury, Degenerative Diseases, General, Practice Issues, and SCI SIGs), Oncology, Orthopaedics (Foot/Ankle, Hip/Knee, and Pain Management SIGs), Pediatrics, Sports (Foot/Ankle, Knee, Knee-ACL), Women’s Health

**Group 1: Thursday, February 16**

*Acute Care*

1001

Value Added by Physical Therapy in the Emergency Department: Low Back Pain

AUTHORS: A. Shaffer

PRESENTER: Adam Shaffer
1002
Acute Physical Therapy Rehabilitation of a Patient With Multi-Organ Failure: A Case Study
AUTHORS : A. Bergman, L. Wall
PRESENTER: Adriane Bergman

1003
Functional Mobility Improved with Task-Specific Training and Erythropoietin Alpha in an Older Adult with Critically Low Hemoglobin
AUTHORS : A. M. VandeWater, R. Blake, J. Freund
PRESENTER: Allie VandeWater

1004
Physical Therapy Management of an Individual with CentriMag Temporary Mechanical Circulatory Support (MCS) Awaiting Bridge to Long Term Ventricular Assist Device (VAD)
AUTHORS : A. Walter, M. Dzigiel
PRESENTER: Alysha Walter

1005
Depressive Mood Disorder in a Patient With Peripheral Vascular Disease: A Reason for Acute Inpatient Rehab, Not a Barrier
AUTHORS : A. Keeler, N. Catterall
PRESENTER: Anne Keeler
1006
Rehabilitation Outcomes in a Patient with Boerhaave’s Syndrome After a Prolonged Period of Unknown Medical Care
AUTHORS: D. Zisser, A. Keeler
PRESENTER: Darra Zisser

1007
Physical Therapy Intervention During a Red Blood Cell Transfusion in an Oncologic Population: A Preliminary Study
AUTHORS: A. B. Rosenfeldt, L. Pilkey, R. Butler
PRESENTER: Anson Rosenfeldt

1008
The Effect of Threshold Loading Inspiratory Muscle Trainer on Maximal Inspiratory Pressure, Aerobic Endurance, and Quality of Life in Patients with COPD: A Systematic Review of RCTs
PRESENTER: Ashraf Elmarakby

1009
Physical Therapy Outcomes in a Patient Status Post High Grade Glioma Resection of the Spinal Cord in the Acute Care Setting: A Case Report
AUTHORS: C. Hawthorne, M. Newkirk
PRESENTER: Caitlyn Hawthorne

1010
More Rehabilitation Per Day is Associated With Shorter Acute Care Lengths of Stay
AUTHORS: C. Capo-Lugo, R. L. Askew, P. Semik, M. Boebel, A. Heinemann
PRESENTER: Carmen Capo-Lugo*
1011
Timeliness of Initiation of Physical Therapy is Improved Through the Use of a Guideline for the Mobilization of Patients With Metastatic Spine Disease

AUTHORS : C. McGinnis, J. Pesco, M. J. Hain, B. F. Olkowski
PRESENTER: Cheryl Ann McGinnis

1012
The Feasibility and Effectiveness of Early Therapy Intervention in a Patient Receiving Extracorporeal Membrane Oxygenation: A Case Study

AUTHORS : C. M. Ward, M. Mazurowski, C. Esbrook, M. Stulberg
PRESENTER: Colleen Ward

1013
Long Term Halo Traction on an Adult Woman Prior to Spinal Reconstruction Surgery as Well as Post-Surgical Functional and Pulmonary Outcomes: A Case Report

AUTHORS : C. Malakidis, B. N. Terranova
PRESENTER: Corinna Malakidis

1014
Impact of Inter-Professional Early Walking Program on Post-ICU Hospital Length of Stay for Surgical and Transcatheter Aortic Valve Replacement Patients

AUTHORS : D. J. Starr, J. Dyson, R. Cuebas, P. Aleck
PRESENTER: Daniel Starr

1015
Gait Velocity as a Predictor for 30-Day Hospital Readmissions on a Medical Unit Cohort

AUTHORS : D. Powell
PRESENTER: Debra Powell
1016

Can Physical Therapists in the Emergency Department Improve Identification of Older Adults at Risk of Falling?


PRESENTER: Erin Thomas

1017

Success of Interdisciplinary Continuing Education Committee in a Hospital Based Setting: Journey from Inception to Current Practice

AUTHORS: H. Wingate, M. Davenport, I. Kapros, S. Schifferdecker, S. Gray, J. L. Johnson, S. Lawrence, T. Schulz

PRESENTER: Hilary Wingate

1018

The Flu in the ICU: The Role of Physical Therapy in Treating a Critically Ill Patient Status Post Endocorporeal Membrane Oxygenation Throughout the Continuum of Care

AUTHORS: H. Battsek, M. Battsek, K. Shah

PRESENTER: Holly Battsek

1019

Effects of Mindfulness Based Stress Reduction on Functional Mobility and Quality of Life in Patients Post Left Ventricular Assist Device Implantation (MindVAD)

AUTHORS: J. Chung Peck

PRESENTER: Jennifer Chung Peck
48-year-old Male Receives Immediate Physical Therapy Examination S/P Rotating Platform Total Knee Arthroplasty in the Acute Care Setting

AUTHORS: J. M. Roos, M. A. Miller, B. Singh
PRESENTER: Jennifer Roos

Department Integration of a Community Hospital with a Large Urban Teaching Hospital: A Case Report

AUTHORS: J. Shank
PRESENTER: Jessica Shank

Efficacy and Benefits in Treatment of Benign Paroxysmal Positional Vertigo in the Acute Care Setting.

AUTHORS: J. A. Chitulangoma
PRESENTER: Jillene Chitulangoma

Early Rehabilitation in the Pediatric Intensive Care Unit: A Performance Improvement Project

PRESENTER: Siobhan O'Donnell

Feasibility and Benefits of a Yoga Group in Acute Inpatient Rehabilitation

AUTHORS: J. Aueron, J. K. Lebduska, C. Lin, J. Schwab
PRESENTER: Julie Ann Aueron
Problem Solving Barriers Faced By Physical Therapy in a Hospital Medical Observation Unit
AUTHORS: K. A. Weber, C. Hawthorne
PRESENTER: Katherine Weber

Implementation of the American Physical Therapy Association Clinical Practice Guideline for Venous Thromboembolism: A Two Phase Approach at an Acute Care Teaching Hospital
AUTHORS: K. McEwen, M. McLaughlin, L. Heine, A. Blaney, G. Galuska, K. Graff
PRESENTER: Kathleen McEwen

Clinical Decision-Making for Patients Receiving Palliative Care in the Acute Care Setting
AUTHORS: K. E. Barron, L. Tigani
PRESENTER: Kristin Barron

Supervised Exercise for Hospitalized Patients with Abdominal Organ Transplant: Impact on Physical Performance and Fatigue
AUTHORS: K. K. Miller, C. Schiel, A. Maier, A. Zeller, C. Stevenson, D. D'Amico
PRESENTER: Kristine Miller

The Benefit of Physical Therapy Consultation in the Emergency Department In a Geriatric Patient with Subacute Ankle Pain: A Case Study
AUTHORS: M. Townsend, K. Strickland
PRESENTER: Kyle Strickland
1030

Does Increasing Frequency of Physical Therapy Intervention in the Hospital Setting Improve Functional Mobility Level at Time of Discharge and Decrease Length of Stay in the Elective Spinal Surgery Patient?

AUTHORS : L. La Course, C. L. Wells, S. T. Shafer, L. Arnett, K. Duckworth, E. Dunn

PRESENTER: Lauren La Course

1031

When Can I Mobilize a Patient With Acute Lower Extremity Deep Vein Thrombosis (DVT)? A Review of the Evidence and Implementation of Practice Recommendations From a Newly Published Clinical Practice Guideline (CPG)

AUTHORS : L. La Course, J. A. Vogel, L. Tigani

PRESENTER: Lauren La Course

1032

Using Lean and Six Sigma Methodologies to Improve the Value of Post-Stroke Acute Care Rehabilitation Services


PRESENTER: Linda Taylor

1033

The Effect of Unilateral Transtibial Amputation on the Metabolic Demands of Walking: A Systematic Review

AUTHORS : M. Buckley, M. L. Gentile, L. C. Harder, D. S. Kemp, A. Vitro, J. M. Smith

PRESENTER: Madison Buckley
Development and Implementation of a Chart Audit Process in an Academic Health Center to Determine Defensibility and Utilization of Services

AUTHORS: M. Blake, A. Kanetkar, R. P. Johnson, C. Kaeser, K. Schindler, A. Mullen

PRESENTER: Magdalen Blake

Instructional Scaffold for Clinical Decision Making in Acute Care Environments

AUTHORS: M. C. Sinnott

PRESENTER: Mary Sinnott

Effects of Nail Polish on Accuracy of Pulse Oximetry Measurements

AUTHORS: M. Chatellier, K. M. Sams

PRESENTER: Megan Chatellier

Prospective, Double-Blind, Randomized Study to Evaluate a Single Shot Adductor Canal Nerve Block: Postoperative Functional Outcomes after Total Knee Arthroplasty.

AUTHORS: M. Drescher, J. Ascan, J. Clark, K. Babicz, G. Macrinici

PRESENTER: Michelle Drescher

Predicting the Need for Ambulatory Assistance in Patients with Amyotrophic Lateral Sclerosis: a Prospective Study.

AUTHORS: M. J. Gorman, L. Keniston

PRESENTER: Michelle Gorman
1039
Acute Care Implementation of a Standardized Assessment of Ambulatory Oxygen Saturation for Long-term Oxygen Therapy
AUTHORS: M. Musalo, N. K. Carter
PRESENTER: Michelle Musalo

1040
Addressing Compassion Fatigue in Physical Therapists Working in the Intensive Care Unit
AUTHORS: M. Gross
PRESENTER: Miriam Gross

1041
Does Provision of Physical Therapy Services in the Emergency Department Improve Health Outcomes? An Integrative Review of the Literature
PRESENTER: Molly Hickey

1042
Validation of Safe Physical and Occupational Therapy Intervention with Potassium Levels 3.1-5.9 mmol/L
AUTHORS: N. Hannum, A. Myszenski
PRESENTER: Nanette Hannum
1043
Implementation of a Preventative Rehabilitation Program for Inpatient Bone Marrow and Stem Cell Transplant Patients
AUTHORS: N. C. Catterall
PRESENTER: Natalie Catterall

1044
Orthopedic Manual Therapy to Decrease Pain and Improve Sleep in a Geriatric Patient One Day Status Post Hip ORIF: A Case Report
AUTHORS: N. A. Brown, M. E. Walk, A. Wagner
PRESENTER: Nathaniel Brown

1045
ICU Rehabilitation Simulation Experiences Improve Student Performance in Technical, Behavioral, and Cognitive Skills
PRESENTER: Patricia Ohtake

1046
An Initial Evaluation of the Role of Acute Care Physical Therapy to Assist in Decreasing Pain
PRESENTER: Paul Vandersteen

1047
Acute Care Therapists Leading Change in Patient Care Initiatives: A Transformation in Hospital Infection Control Practice
AUTHORS: R. Scott, A. Lotshaw
PRESENTER: Roslyn Scott
Physical Therapists Expand Service to the Emergency Department to Broaden Care
AUTHORS: S. Houlihan, C. Magnant, J. Quarles, N. Fernandez
PRESENTER: Sara Houlihan

Developing a Nurse Driven Mobility Program for Hospitalized General Medicine Patients
AUTHORS: S. Houlihan, C. Magnant, A. M. Trotsky, S. Murphy
PRESENTER: Sara Houlihan

The Effects of Limb-Loss Related Grief Following Toxic Shock Syndrome On Functional Recovery in Acute Care
AUTHORS: S. Gross, A. Kaphan
PRESENTER: Sarah Gross

Minimally Clinically Important Difference of Three Outcome Measures in the Acute Care Setting with Patients Post Elective Spine Surgery
AUTHORS: S. T. Shafer, C. Wells, M. Kaminski, K. Duckworth, L. Arnett
PRESENTER: Sarah Shafer
1052
Influence of Peripheral Nerve Blocks on Postoperative Physical Therapy: A Single-Institution Survey of Physical Therapists’ Preferences and Opinions
AUTHORS: S. M. Arnold, S. Porter, C. Robards, R. McClain, C. J. Trouard
PRESENTER: Scott Arnold

1053
Functional Improvement in a Transfemoral Amputee following Contralateral Total Knee Arthroplasty
AUTHORS: S. M. Love, A. Zimmer, J. Highsmith, J. Kahle
PRESENTER: Scott Love

1054
A Comparison of Two Postoperative Pain Management Protocols Following a Total Hip Arthroplasty
PRESENTER: Sondra Siegel*

1055
The Experiences of Physical Therapy (PT) and Nursing Students with an Interprofessional Learning Experience Involving an Acute Care Patient Simulation
AUTHORS: S. Wiley, A. Clemens, A. Luhman
PRESENTER: Steve Wiley

1056
Early Intensive Strength Training With Fixed Overhead Resistance Bands for Persons on Bedrest
AUTHORS: P. Mechan, S. H. Stensgaard, A. Haugaard
PRESENTER: Stine Stensgaard
1057
Differential Diagnosis of an Unusual Case of Acute Motor Dysfunction in an Acute Care Setting.
AUTHORS: S. Bose
PRESENTER: Sujoy Bose

1058
Impact of Tracheostomy Placement on Therapy Participation in Infants With Severe Bronchopulmonary Dysplasia
PRESENTER: Suzanne Shepard

1059
Improving Functional Outcomes of ACE Unit Patients by Optimizing Skilled Therapy through Group Sessions
AUTHORS: V. Gentry, A. Trotsky
PRESENTER: Vanessa Gentry

1060
Outcomes of Early Mobility in Patients with an External Ventricular Device
AUTHORS: W. Pino, J. Borst
PRESENTER: William Pino
Cardiovascular and Pulmonary

1063
A Mixed-Methods Approach to Understanding the Association Between Changes in Functional Status and Quality of Life After Elective Open Heart Surgery
AUTHORS: A. MacPhedran, D. B. Barker, K. Fogarty, E. Vangsnes, M. Marbey
PRESENTER: A. Kate MacPhedran,

1064
Effect of Reduced Physical Activity on Glucose Tolerance and Maximal Aerobic Capacity
AUTHORS: A. D. Lee, J. Onion, N. Siracusa, C. Miller, L. Holladay, H. Goodwin, D. Beatty
PRESENTER: Abraham Lee

1065
The Effect of a Cardiopulmonary Mobile App on Learning Compared to Traditional Methods
PRESENTER: Andrew Bartlett

1066
What Factors Influence Long-Term Six Minute Walk Distance In Patients Who Have Undergone Lung Transplantation?
PRESENTER: Anne Mejia-Downs

1067
The Effect of Manual Therapy on Adults with Cystic Fibrosis: A Case Study Report
AUTHORS: C. Stankiewicz
PRESENTER: Christine Stankiewicz
1068
The Effect of Body Position on Diaphragm Function in Healthy Adults
AUTHORS: C. Brown, S. Tseng, K. Mitchell, T. Roddey
PRESENTER: Christopher Brown

1069
Early Mobilization of Patients With Axillary Impella 5.0
AUTHORS: C. Nicholson
PRESENTER: Clare Nicholson

1070
Arterial Blood Pressure Response to Repeated Cuff Re-Inflations Without Interposed Rests
AUTHORS: D. Shaw, S. Johnson, T. Hefferon
PRESENTER: Don Shaw

1071
Physical Therapists’ Utilization of High Intensity Interval Training in Stroke Rehab in Central Indiana
AUTHORS: D. Diehl, B. Carroll, E. Rachael, J. Plumer
PRESENTER: Dyer Diehl

1072
Physiotherapists’ Description and Perceptions of Functional Mobility Restrictions Following Median Sternotomy: An International Perspective
AUTHORS: T. LaPier, E. Parton
PRESENTER: Evan Parton
1073

Inspiratory Duration is Significantly Related to Submaximal and Maximal Heart Rate in Division 1 Collegiate Women Soccer Players


PRESENTER: Ian Scott

1074

Diagnostic Implications of a Student’s First Patient: Findings Beyond the Given Cause of Death of Pneumonia and Congestive Heart Failure


PRESENTER: Jacob Brewer

1075

Heart Rate and Perceived Exertion During High Intensity Interval Training After Stroke

AUTHORS: K. C. Nordin, S. D. Holzapfel, P. R. Bosch

PRESENTER: Kali Nordin

1076

Challenges to Phase 2 Cardiac Rehabilitation Associated with Management of Two Middle-aged Women with Post-cardiac Arrest Heart Failure: A Case Report

AUTHORS: K. Bishop, P. J. Ohtake

PRESENTER: Kathy Lee Bishop
1077
An Investigation of Energy Expenditure for Six Routine Physical Therapy Activities in Healthy College Aged Individuals
AUTHORS: K. Dias, S. M. Collins, B. Mooney, B. Hogan, A. Grado, E. Regenold, R. Boeckmann
PRESENTER: Konrad Dias

1078
Reducing Hospital Readmissions for Patients With Congestive Heart Failure Through Multidisciplinary Collaboration
PRESENTER: Laura Lopez

1079
Gender-specific Prediction Equations Provide Less Accurate Estimates of Maximal Inspiratory Pressure
AUTHORS: L. P. Cahalin, N. De Luca, M. F. Formiga
PRESENTER: Lawrence Cahalin*

1080
Correlations Between Functional Performance Measures in Individuals With Below Knee Amputations
AUTHORS: M. E. Pepin, K. Reid, R. Coolsaet, A. Devour, E. Burzynski, R. Filippis, K. Eick, S. Galen
PRESENTER: Marie Pepin

1081
The Examination of Arterial Stiffness and Neurodynamics of Middle-aged Adults: A Pilot Study.
AUTHORS: M. Gugliotti, T. Ingenito
PRESENTER: Mark Gugliotti
1082

Training Outcomes Following a High Intensity Interval Protocol Are Not Better Than a Continuous Exercise Protocol in a Rat Model of Chronic Thromboembolic Pulmonary Hypertension

PRESENTER: Andrew Wiseman

1083

Integrating Cardiac Rehabilitation into Skilled Nursing Facilities

AUTHORS: M. Litzinger, L. Neely
PRESENTER: Melissa Litzinger

1084

Outcomes Following Body Weight Supported Treadmill Training Program using the NeuroRecovery Network Protocol on Exercise Capacity in an individual with Traumatic Brain Injury

AUTHORS: N. Pathare, G. Moriello, P. Broschart Valenza, K. Lajeunesse
PRESENTER: Neeti Pathare

1085

Validity of Maximal Heart Rate Prediction Equations After Stroke

AUTHORS: O. Ojameruaye, S. D. Holzapfel, V. S. Diaz-Pacheco4, M. A. Zubriski, P. R. Bosch
PRESENTER: Ochuko Ojameruaye

1086

Longitudinal Follow Up of Blood Pressure: Results From the Women Weigh-In for Wellness 30-Month Trial

AUTHORS: P. A. Hageman, C. H. Pullen, P. J. Dizona
PRESENTER: Patricia Hageman
Do Individuals with Systemic Sclerosis Report Quality of Life Changes Accurately?
AUTHORS: P. C. FENTER
PRESENTER: PAULA FENTER

Benefits Of Phase One Cardiac Rehabilitation Program For Post Operative Coronary Bypass Graft Patients
AUTHORS: R. B. Cuneta
PRESENTER: Raakhee Cuneta

Factors Influencing Length of Stay for Patients Admitted to an ICU With Respiratory Failure
AUTHORS: R. Johnson, K. Bryja, A. J. Bayliss
PRESENTER: Rebecca Johnson

Importance of the Physical Therapist When Assessing Physical Risk of Patients Targeted for Home-Based Cardiac Rehabilitation
PRESENTER: Rebecca Smith
Practice Patterns Of Physical Therapists Regarding The Screening Of Cardiovascular Disease: A Survey Study
AUTHORS : R. S. Severin, S. A. Phillips
PRESENTER: Richard Severin

The Effect of Chronic Exercise on Lung Function in Adults With Cystic Fibrosis: A Systematic Review
AUTHORS : R. Dekerlegand, J. Abramo, A. Caruso, M. Meszaros
PRESENTER: Jessica Abramo

Levels of Stress and Sleepiness in DPT Students at Select Intervals in the Curriculum
AUTHORS : S. Richardson, N. Babbitt, N. Roberts, M. B. Glombicki
PRESENTER: Scott Richardson

High Intensity Interval Training and Its Effects on Short-Term Memory in First Year Doctor of Physical Therapy Students.
AUTHORS : S. Richardson, G. Frost, P. Gomez, A. Weber
PRESENTER: Scott Richardson

Cardiorespiratory Effects of Forced- and Voluntary-Rate Aerobic Exercise in Individuals with Chronic Stroke
AUTHORS : S. Linder, A. B. Rosenfeldt, J. Lee, A. Penko, M. Blohm, J. Alberts
PRESENTER: Susan Linder
Physical Therapy Management of a Patient With Total Artificial Heart From “Crash and Burn” to Multi-Organ Transplant

AUTHORS: S. Seidel

PRESENTER: Suzanne Seidel

The Immediate Effect of Thoracic Manipulation Technique on Pulmonary Function Measures, Respiratory Muscle Strength and Functional Capacity in Healthy Individuals

AUTHORS: T. Birinci, R. Mustafaoğlu, E. Kaya Mutlu, A. Razak Ozdincler

PRESENTER: Tansu Birinci

The Accuracy of Smartphone Pulse Oximeters

AUTHORS: T. Ingenito

PRESENTER: Teresa Ingenito

A Retrospective Balance Study for Patients with Pulmonary Disease

AUTHORS: T. D. Champion

PRESENTER: Tiffany Champion

The Effect of Early Initial Physical Therapy on First Time Upright in ICU in Critically Ill Patients


PRESENTER: Tiffany Haney
Inspiratory Muscle Performance is Significantly Related to Acceleration and Deceleration of Isokinetic Knee Extension and Flexion in Division 1 Collegiate Women Soccer Players


Presenter: Tiffany Kasa

Comparing Experienced CrossFitters and Runners Utilizing Cardiopulmonary and Psychological Measures: A Pilot Study

Authors: Z. Boyd, R. Haskins, K. Thibodeaux, J. Albert, C. Gubler

Presenter: Zachary Boyd

Geriatrics

Adults with Knee Osteoarthritis: Perspectives on Telephone Technology to Support Adherence to Exercise

Authors: A. Ledingham, E. S. Cohn, K. Pesanelli, K. R. Baker, J. Keysor

Presenter: Aileen Ledingham

Group Differences on Performance Measures Between Non-Fallers, Single Fallers, and Recurrent Fallers in Community Dwelling Older Adults

Authors: A. Mantel, E. Zuluaga, J. Keough, N. T. Dawson

Presenter: Alison Mantel
A Quality Improvement Initiative to Improve Function for Patients in a Skilled Nursing Facility


PRESENTER: Allison Gustavson

Concurrent Validity of Zeno Walkway and APDM Opal Sensors in Older Adults at High Fall Risk

AUTHORS: A. Cook, S. Humphrey, M. McDougal, S. Vallabhajosula, J. Freund

PRESENTER: Alys Cook

A New Model for Non-Community Dwelling Older Adults: The Value of a Physical Therapist Directed Wellness Center in an Assisted Living Facility

AUTHORS: B. A. Tschoepe, M. Miller, L. Ellis, D. S. Smith, L. Pfeifer, A. Waldron, J. A. Tschoepe

PRESENTER: Barbara Tschoepe

Flexibility of the Aging Athlete


PRESENTER: Becca Jordre

Community Group Exercise Program Incorporating Cognitive and Mobility Exercises for Individuals With Parkinson’s Disease Following Physical Therapy Intervention: A Case Series

AUTHORS: B. J. Johnson

PRESENTER: Beverly Johnson
1112
Immediate Effect of Vibrotactile Feedback on Postural Control in Older Adults at High Fall Risk
AUTHORS: C. High, H. McHugh, S. Mills, S. Amano, J. Freund, S. Vallabhajosula
PRESENTER: Carleigh High

1113
Symptomatic Lumbar Spinal Stenosis: Measuring Health, Impairment, Mobility & Disability
PRESENTER: Catherine Schmidt

1114
Investigating clinical factors related to self-rated health in older adults using the International Classification of Functioning, Disability, and Health model.
PRESENTER: Chad Tiernan

1115
The Effect of Depression on Functional Mobility in Older Adults Following Hip Fracture Surgery: A Systematic Review
PRESENTER: Dana Maida

1116
Paper, App, Scissors: Which one wins amongst adult prosthesis users?
AUTHORS: D. J. Lee, D. A. Veneri
PRESENTER: Daniel Lee
Effectiveness of Movement-based Therapy or Exercise on Gait in Persons with Peripheral Neuropathy: A Systematic Review and Meta-analysis

AUTHORS: D. M. Kietrys, M. Heinemann, M. Krimmel, M. Leusner, S. Silva, M. Spirito
PRESENTER: David Kietrys

Development of a measure to compare the intensity of balance activities

AUTHORS: D. D. Espy, M. Hamway, J. Flis
PRESENTER: Debbie Espy

The “4 Meter Walk Test” iOS Application is a Valid Measure of Gait Speed

AUTHORS: D. W. Fell, J. C. Wall, L. Quebedeaux, K. Rogers, C. Roscigno, L. Tyler
PRESENTER: Dennis Fell

A Rural Community-Based Interprofessional Fall Prevention Program

AUTHORS: D. W. Klima, A. Biffoni, W. Pearson, M. Freebery
PRESENTER: Dennis Klima

Functional Reach, Experience with Dual Task Situations, and Age are Weak Predictors of Walking Speed while Performing a Bimanual Task in Healthy Adults

PRESENTER: Derek Liuzzo
Patient-Reported Outcome in Mobility: Does Cognition Play a Role?

AUTHORS: E. Neuman, J. Blackwood, M. Huang, R. Suzuki, M. Lewis

PRESENTOR: Eliana Neuman

Balance Confidence Is Related to the Perceived Benefit of Using Walking Poles for Community Dwelling Older Adults

AUTHORS: H. Williams, C. Abbott, B. W. Willis, E. L. Prost

PRESENTOR: Hannah Williams

Home Hazards and Modifications Associated with Fall Risk in Older Adults: Findings from the 2011–2013 National Health and Aging Trends Study

AUTHORS: H. Brown, E. Kitchell, M. Yargeau, N. M. Gell

PRESENTOR: Harrison Brown

The Effects of Animal-Assisted Therapy on Older Adults with Dementia: A Systematic Review

AUTHORS: H. L. Fang, A. Coppock, K. Mabutas, E. Bolinger, H. Liu

PRESENTOR: Hesper Fang
A Demonstration of How A Properly Dosed Home Exercise Program May Delay or Eliminate the Need for Medical Interventions in an Older Adult with Severe Knee Osteoarthritis

AUTHORS: J. Osborne
PRESENTER: Jacqueline Osborne

Sit-to-Stand Power Output in Community-Dwelling Older Adults and Its Correlation with Timed Up and Go and Grip Strength

PRESENTER: Janelle O'Connell

In-home Assessment of Turning and Transitions using Inertial Sensors in Older Adults with Dementia and Older Caregivers

AUTHORS: J. Deol, E. L. McGough, L. Teri
PRESENTER: Jasjit Deol

A Healthy Dose of Balance? The Impact of an Integrated Clinical Experience on the Balance of Community Dwelling Older Adults

AUTHORS: M. Vaassen, J. A. Mai, W. O'Dell, J. Matson
PRESENTER: Jennifer Mai
A professional development course designed to improve clinician confidence implementing challenging and appropriate exercise prescription into clinical practice: A Knowledge translation study.

AUTHORS: J. Mowder-Tinney, C. Arnold
PRESENTER: JJ Mowder-Tinney

Fast gait speed is associated with falls in older adults: findings from Project Runway

AUTHORS: J. Keough, E. Zuluaga, A. Mantel, N. T. Dawson
PRESENTER: Joanna Keough

Rehabilitation of a 65-year-old Female with Statin-Induced Rhabdomyolysis

AUTHORS: J. Swartz, J. Donahue, D. Cech, C. C. Evans
PRESENTER: Jonathan Swartz

The impact of hearing loss on older adult’s postural control and gait function

AUTHORS: J. T. Fox, N. Bugnariu, R. M. Patterson, V. C. Kowalewski, L. Thibodeau
PRESENTER: Jordan Fox

The Impact of Continuous Passive Motion on Knee Range of Motion at Three Months Post-Total Knee Arthroplasty: A Systematic Review

AUTHORS: J. Kuebler
PRESENTER: Joy Kuebler
Exercise to promote brain health for older adults: data-driven dose-specific recommendations and educational booklet.


PRESENTER: Joyce Gomes-Osman

The Impact of Visual Impairments on Mobility Performance in Community Dwelling Older Adults

AUTHORS: L. Andrew, C. Johnson, T. Tortomasi, S. Lee

PRESENTER: Lauren Andrew

Factors Impacting Adherence to a Multifactorial Fall Prevention Program - A Matter of Balance

AUTHORS: L. Dutton, M. Dean, J. Eggers, B. Stevens, G. Wolff

PRESENTER: Lisa Dutton

A Mixed Methods Analysis of An Interprofessional and Intergenerational Collaborative Civic Engagement Project

AUTHORS: M. Whitford, G. Goodman

PRESENTER: Maureen Whitford*
Application of An Evidence Based Circuit Training Program for a Geriatric Client with Multiple Medical Conditions: A Case Study
AUTHORS: M. Eikenberry, H. Burke
PRESENTER: Megan Eikenberry

Can the Wii Balance Board be used as a fall risk assessment tool for older adults?
AUTHORS: M. Gregory, C. Goddin, K. Davis, N. T. Dawson
PRESENTER: Melissa Gregory

The Effect of a Multidisciplinary Community-Based Program on Fall Risk and Balance Confidence in Older Adults
PRESENTER: Melissa Taylor

Detection of Functional Limitations in Peripheral Arterial Disease with the use of the Modified Physical Performance Test compared with the Short Physical Performance Battery
PRESENTER: Odessa Addison*

Obese older Veterans make smaller gains in gait speed than non-obese Veterans following a community exercise intervention
AUTHORS: O. Addison, M. C. Serra, J. Giffuni, L. Paden, M. C. Morey, L. Katzel
PRESENTER: Odessa Addison*
Fall prevention community service-learning events: An interprofessional education approach

AUTHORS: P. N. Matsuda, B. E. Rollinger, N. L. Murphy, S. Frank, G. Ice

PRESENTER: Patricia Matsuda

The Positive Benefits of Negative Work During Eccentrically-Biased Movement Patterns Following Total Knee Arthroplasty

AUTHORS: P. C. LaStayo, J. C. Christensen, R. L. Marcus, K. B. Foreman

PRESENTER: Paul LaStayo*

Fall Incidence and the Use of Psychotropic, Opioid, or Cardiovascular Medications

AUTHORS: R. Garcia, P. R. Trueblood, L. Zarrinkhameh, S. Tracz

PRESENTER: Peggy Trueblood

The Effect of Fatigue on Balance and Fall Risk using Balance Outcome Measures in Community Dwelling Older Adults: A Systematic Review


PRESENTER: Peter Leininger
1148
The Use of an Outcome Measure to Assign G-codes in a Patient with a Lower Extremity Musculoskeletal Pathology: A Case Report
AUTHORS: P. Grattan, A. Meninno, J. Magier, V. Vuong
PRESENTER: Philip Grattan

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Frailty and Fall Risk Assessment in an Underserved Population
AUTHORS: S. J. Migliarese, L. Boswell, S. McBride, L. Allison
PRESENTER: Sara Migliarese

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AUTHORS: S. Humphrey, A. Cook, M. McDougal, J. Freund, S. Vallabhajosula
PRESENTER: Sarah Humphrey

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Task Specific Training in an Individual with Inclusion Body Myositis: A Case Report
AUTHORS: S. Talley, J. Diebold, A. Doubek, K. Diebold
PRESENTER: Susan Ann Talley

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AUTHORS: S. L. Wenker, N. Ebben, A. Kleefisch, S. Hetzel, M. E. Sesto
PRESENTER: Susan Wenker
Anterior Trunk Muscle Activity Helps to Explain Physical Performance Among Older Adults With and Without Chronic Low Back Pain

AUTHORS: T. Velasco, P. C. Coyle, J. M. Sions, G. E. Hicks
PRESENTER: Teonette Velasco

Skilled Physical Therapy as a Treatment for Improving Memory and Function in Vascular Cognitive Impairment: Case Report

AUTHORS: T. Mahoney, C. M. Ross
PRESENTER: Trevor Mahoney

Comparison of Posture and Function with Aging and Ethnicity

PRESENTER: Wendy Anemaet

Diagnostic Tests for ‘Locomotive Syndrome’ to Assess Physical Function in American Adults

AUTHORS: Y. Yoshida, J. Zeni
PRESENTER: Yuri Yoshida
Use of a high-intensity resistance exercise program to improve lower extremity strength and mobility in a 105-year older woman: a case report

AUTHORS: M. S. Basco
PRESENTER: Mark David Basco

Health Policy and Administration

Rehabilitation therapists’ expectations during a large rehabilitation system merger: A qualitative analysis.

AUTHORS: A. Lotshaw, M. Thompson
PRESENTER: Ana Lotshaw

An Analysis of the Organizational Culture in a Hospital: A Study Using the Organizational Cultural Assessment Instrument (OCAI)

AUTHORS: J. Kelly, N. Borriello, A. Ramirez, A. Ozcan Edeer, V. Olson
PRESENTER: Ayse Ozcan Edeer

Collaborating with Community Health Workers to Meet the Needs of People with Disabilities in Ohio

AUTHORS: C. N. Whalen, C. Bruce, S. Havercamp, M. Rota, G. Weisblat
PRESENTER: Cara Whalen

How G-Code Severity Modifiers Measure Up in Detecting Response to Physical Therapy Interventions for Pain-Related Diagnoses

AUTHORS: C. S. Schutte, J. M. Cleary, C. D. Hayter, G. W. Hartley, K. E. Roach
PRESENTER: Christa Schutte
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AUTHORS: C. M. Durrough, V. Hanks, P. J. Flemming

PRESENTER: Christina Durrough

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Association Between Self-Rated Leadership Competencies and Experience in Physical Therapy

AUTHORS: C. Wisdom, L. Kray, C. Stanger, M. White, A. Witte

PRESENTER: Christina Wisdom

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Community-based pro bono clinics: Challenges, partnering and early service learning opportunities for physical therapy students

AUTHORS: C. Miskin, D. Bodily, K. Chung-Hoon

PRESENTER: Crystal Miskin

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Development of a Power Soccer Program for People with Disabilities using a Health Promotion Program Planning Model during a DPT Student Led Service-Learning Project

AUTHORS: D. Cherry, M. Adams, R. M. Patel

PRESENTER: Dana Cherry
Barriers to Implementation of Advanced Technology into Clinical Physical Therapy Practice
AUTHORS: D. Zielke, M. Burns, C. Anderson
PRESENTER: Donna Zielke

Knowledge and Perceptions of Physical Therapy in Nicaragua
AUTHORS: E. M. Pucillo, E. C. O'Bryan
PRESENTER: Evan Pucillo

Doctor of Physical Therapy Student’s Participation in Teaching Basic Science Concepts in the Community Outreach Program, Anatomy Academy
PRESENTER: Jason Adams

Physical Therapists’ Knowledge, Perception, and Use of Telehealth in Physical Therapy
PRESENTER: Jennifer Collins

Leadership Development Impact of Attending HPA's LAMP Institute for Leadership in Physical Therapy: A Multi-Year Retrospective Review
AUTHORS: J. E. Wilson, S. Zeigler, B. Tschoepe, D. L. Miller
PRESENTER: Jennifer Wilson
A Survey and Analysis of Burnout Among Physical Therapist Assistants
PRESENTER: Haley Monson

Physical Therapist Demographics Who are Certified to Perform Dry Needling in Arizona
AUTHORS: K. A. Donahue
PRESENTER: Karen Donahue

The Knowledge of Low Back Pain Management Between Physical Therapists and Family Practice Physicians
AUTHORS: M. D. Ross, K. Adams, K. Engle, T. Enser, A. Muehlemann, R. Schenk
PRESENTER: Kurtis Adams

Longitudinal Effects of an International Service-Learning Experience on six cohorts of Physical Therapy Students
AUTHORS: L. B. Johnston, J. Cooke
PRESENTER: Lisa Johnston

Use of the Activity Measure Post-Acute Care as an Outcome Measure in a Skilled Nursing Facility
AUTHORS: M. McLaughlin
PRESENTER: Mary McLaughlin
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Perspectives on technology to support exercise in cancer survivors
AUTHORS: N. M. Gell, E. Day
PRESENTER: Nancy Gell

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Physical impairments in athletes with intellectual disability participating in fitness screening
PRESENTER: Neva Kirk-Sanchez

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Initial impact of physical therapy advocacy hashtags on Twitter: feasibility and descriptive analysis
AUTHORS: J. Scola, P. Khosa, T. E. Davenport
PRESENTER: Justin Scola

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Health Knowledge of Patients in a Pro Bono Setting
AUTHORS: S. Dacko, C. Lehman, A. Murphy, C. Sborz, E. Van Buskirk
PRESENTER: Stan Dacko*

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Perceptions of Sexual Boundaries among Physical Therapy State Licensure Board Members in the United States
AUTHORS: S. E. Roush, M. J. Brown, P. Hwang
PRESENTER: Susan Roush*
Early Access to Physical Therapy and Specialty Care Management for American Workers with Musculoskeletal Injuries: A Cohort Study

AUTHORS: T. Phillips
PRESENTER: Tim Phillips

Barriers to the Implementation of the Physicians Quality Reporting System in Outpatient Physical Therapy Practices

AUTHORS: W. McGehee, D. V. Jewell
PRESENTER: William McGehee

Services Provided by Physical Therapists to Medicare Patients and Related Factors

AUTHORS: X. Liu, R. M. Oetjen, W. J. Hanney, M. J. Rovito, R. Peterson, K. Dottore
PRESENTER: Xinliang Liu

Orthopaedics - Imaging

Changes in Lumbar Multifidus Muscle Thickness During Common Spine Stabilization Exercises Using Rehabilitative Ultrasound Imaging

PRESENTER: Barbara Belyea
Examination of Acromiohumeral Distance in Upright and Self-selected Seated Postures Using Real-time Ultrasound Imaging in Normal Healthy Subjects

AUTHORS: C. H. Gill, C. Murray, T. Sivaslian, B. Lloyd, B. Murphy
PRESENTER: Cynthia Gill

Subchondral insufficiency fracture of the femoral head in a 59-year-old female: a case study

AUTHORS: J. R. Kniss, B. A. Young, E. Painter, T. E. Ortiz
PRESENTER: Joshua Kniss

Spinal Manipulation Increases Motor Cortex Activity in Healthy Adults: Preliminary Results from an fMRI Study

PRESENTER: Max Jordon

Diagnostic Imaging in a Direct-Access Sports Physical Therapy Clinic: A 2-Year Retrospective Practice Analysis

AUTHORS: M. Crowell, E. Dedekam, M. Johnson, S. Dembowski, R. Westrick, D. Goss
PRESENTER: Michael Crowell

Abnormal Imaging Findings in Asymptomatic Shoulders: A Systematic Literature Review

AUTHORS: E. L. Koehler, R. Boyles, D. Rhon, B. R. Hando
PRESENTER: Robert Boyles
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PRESENTER: Benjamin Kivlan

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Does the presence of radiating pain in a cohort of care-seeking patients with back pain influence outcome?
PRESENTER: Charles Thigpen

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The Effect of Gait Cadence Modifications on Knee Joint Load during Walking
PRESENTER: Christine Davis

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Does meeting the clinical prediction rule for stabilization predict success in patients treated with lumbar stabilization? A retrospective review.
PRESENTER: Darren Neeley
Treatment Modifications in the Physical Therapy Management of a Patient with Chronic Low Back Pain and Signs and Symptoms of Centralized Pain: A Case Report

AUTHORS: E. Ruppal, S. Wickham, J. E. Bialosky
PRESENTER: Estey Ruppal

Treatment of unilateral scapular dyskinesis and pain in a healthy, active adult: A case study.

AUTHORS: E. J. Madsen
PRESENTER: Evan Madsen

The Effects of Different Verbal Instructions on Hop Height and Contact Time during the Vertical Hop Test in Recreational Athletes Post ACL Reconstruction

AUTHORS: J. J. Tate, B. A. Myers
PRESENTER: Jeremiah Tate

Spinal imaging in patients with symptomatic low back pain. A systematic literature review

AUTHORS: J. Davis, D. Rhon, B. R. Hando, R. Boyles
PRESENTER: Jessica Davis

Kinematic Analyses of the Temporomandibular Joint during Functional Movements and Joint Mobilization: A Cadaveric Study

AUTHORS: J. Ho, M. Chiu, S. Ho, A. Hsu
PRESENTER: Jing-Ching Sally Ho
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Physical therapy utilization following an emergency department consultation for low back pain
AUTHORS: L. Mayer, D. Larson, T. Olsen, A. Bernstetter, L. Skinner, J. S. Magel, K. Roper
PRESENTER: Keith Roper

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Reliability of Measuring Anterior Translation of the Mandibular Condyle during Mouth Opening Using Ultrasonography
AUTHORS: K. Ho, B. Basar, D. Hahn, C. J. Hardy
PRESENTER: Kai-Yu Ho

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Differential knee joint loading patterns during gait for individuals with tibiofemoral and patellofemoral articular cartilage defects in the knee
PRESENTER: Louise Thoma

1206
Examination of Both Landings Before and After Four Weeks of Jump-Landing Training
AUTHORS: S. A. Chinworth, T. Cope, S. Vallabhajosula, J. G. Carpenter
PRESENTER: Tyler Cope
**Orthopaedics - Other**

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Dry Needling in the Upper thorax: Hand Dominance Does Not Affect the Distance to the Lungs

AUTHORS: A. W. Johnson, U. H. Mitchell

PRESENTER: Aaron Johnson

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Effective Electronic Behavior Modification Tool for Seated Posture


PRESENTER: Adam Malek

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Do Altered Kinematics & Kinetics in Gait Increase Prevalence of Low Back Pain in Lower Limb Amputees Compared to Able-bodied People: A Systematic Review

AUTHORS: A. Fleer, A. Brimhall, B. Jarman, V. Stack, H. Wharton

PRESENTER: Amber Fleer

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Reliability and Validity of a Smartphone with Compass app for Measuring Transverse Plane Motion


PRESENTER: Bryon Smith

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AUTHORS: J. E. Allison, C. A. Sebelski

PRESENTER: Chris Sebelski
Determining contributing factors to outcome measure scores using Triaxial wearable sensor technology in an individual using a straight cane and AFO.

AUTHORS: R. M. Maher, D. G. Cota, S. Sheth
PRESENTER: Devon Cota

The Effects of Myofascial Release on the Latency of Delayed-Onset Muscle Soreness

AUTHORS: D. S. Davis, M. Piazza, C. Dodd, K. C. Paz, J. Potesta, K. Weiser, C. A. Mancinelli
PRESENTER: Duane Davis

Sympathoinhibition can improve functional and clinical outcomes in acute neck pain- preliminary findings of a randomized clinical trial

PRESENTER: Emmanuel Yung

Evidence Based Treatment Algorithm For Patients With a Diagnosed Concussion: Case Study

AUTHORS: J. Camarinos, G. Padin
PRESENTER: George Padin
The Relationship between Psychosocial Risk Factors and Playing Time Lost due to Musculoskeletal Dysfunction in Division 1 College Softball Athletes: A Pilot Study.

PRESENTER: Giorgio Zeppieri

Successful outcome after months of debilitating post-concussion syndrome using cervicogenic and vestibulocular treatment

AUTHORS: G. Schiller, A. O. Giordano
PRESENTER: Gregory Schiller

A Case Study Reviewing the Presentation of Spinal Accessory Nerve Palsy in a Workman’s Comp Case

AUTHORS: J. Junkin, M. Wicinski
PRESENTER: Jennifer Junkin

Soft-tissue mobilization (ST) vs. eccentric exercise (Ecc) for the treatment of tendinosis.

AUTHORS: J. P. Sanko, N. Laurente, J. Myers, R. Ondevilla, J. J. Ramalho
PRESENTER: John Sanko*

Differential Diagnosis for Anterior Knee Pain Utilizing Mechanical Diagnosis and Therapy

AUTHORS: G. Gordon
PRESENTER: Gerard Gordon
Attitudes and perspectives on ankle function in people with hemophilia: a qualitative study
AUTHORS: K. Stribling, N. Durben, D. Oleson, M. Recht
PRESENTER: Kate Stribling

The Nature of Movement Symmetry: Implications for function and injury risk
AUTHORS: L. E. Broudy, D. J. McMillian, A. Glowka, K. Schaner, M. Wrigley
PRESENTER: Laura Broudy

The “Hemophilia Vertical” Project- Feasibility of therapeutic rock climbing for patients with hemophilia and pre-existing arthropathy
PRESENTER: Lena Volland

Differential diagnosis of right flank pain in a patient with gilbert’s syndrome and persistent cough: a case study report
AUTHORS: M. A. Ciolek, C. P. Hensley
PRESENTER: Mark Ciolek
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The Effects of Instrument-Assisted Soft Tissue Mobilization Compared to Other Interventions on Pain and Function: A Systematic Review
PRESENTER: Matthew Lambert

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AUTHORS: M. Pontiff, J. M. Eason, T. Hoang
PRESENTER: Mattie Pontiff

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Trigger Point Dry Needling Quality Control Measures at Baylor Rehab
AUTHORS: M. R. Steinhagen, L. DuPont
PRESENTER: Michelle Steinhagen

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Does Patient Self-Efficacy at Intake Predict the Therapeutic Outcome?
AUTHORS: M. J. Geiger, S. Juhnke, E. Maloney, D. J. McMillian
PRESENTER: Molly Geiger

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Inclusion of physical therapy in an interprofessional health program serving the homeless population in Los Angeles: A needs and feasibility study
AUTHORS: N. Yamaguchi, K. Kim, A. Uemura, E. Tam, W. Coppenrath
PRESENTER: Noriko Yamaguchi
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Relationship Between the Functional Movement Screen, Hop Test, and other Performance Related Parameters in High School Basketball Players

AUTHORS: P. B. Lonnemann, C. W. Morris, M. Fauser, C. Mumaw, G. L. Pariser

PRESENTER: Paul Lonnemann

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Influence of neuromuscular control and strength training of core musculature on distal function: a systematic review.


PRESENTER: Richard Ferraro

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The influence of tension and sliding techniques on neurodynamic dysfunction in the contralateral extremity.

AUTHORS: R. J. Friberg, S. Thurmond

PRESENTER: Robert Friberg

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The Efficacy of Instrumented Assisted Soft Tissue Mobilization: A Systematic Review

AUTHORS: S. W. Cheatham, M. J. Kolber, W. J. Hanney, P. Salamh

PRESENTER: Scott Cheatham
Reliability of a Pressure Pain Threshold Scale: A Preliminary Investigation
AUTHORS: S. W. Cheatham, M. J. Kolber, W. J. Hanney, M. Mokha
PRESENTER: Scott Cheatham

An Investigation of Functional Movement Impairments in Yoga Practitioners Before and After Yoga Posture Training and with Targeted Exercise Intervention
AUTHORS: S. A. Buchner, B. Boucher, M. Folger
PRESENTER: Sean Buchner

Effects of High Intensity Exercise on Central Neural Drive in Healthy Populations
PRESENTER: Stephanie Muth

The effect of Dry Cupping and Exercise on Low Back Pain and Range of Motion: A Case Study
AUTHORS: S. B. Boswell, A. Siyufy, B. Harper, A. Aron
PRESENTER: Steven Boswell

Examination of First and Second Landings of Drop Jumps with Single Session of Jump Landing Training
AUTHORS: S. A. Chinworth, S. Vallabhajosula, T. Cope, J. G. Carpenter
PRESENTER: Susan Chinworth
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A Novel Soft Tissue Manipulation Motion and Force Quantification System for Research and Clinical Use

AUTHORS : T. Loghmani, B. Neff, S. Anwar, S. Bane, S. Chien, K. L. March, A. Longgood, C. Quigley, C. Tobin

PRESENTER: Terry Loghmani

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Considerations for Dry Needling the Levator Scapulae/Upper Trapezius

AUTHORS : U. H. Mitchell, A. W. Johnson

PRESENTER: Ulrike Mitchell

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AUTHORS : W. R. Thompson, Y. Li, G. Uzer, J. Rubin

PRESENTER: William Thompson

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PRESENTER: Ashley Gowen
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AUTHORS : C. A. Drislane, C. Ray, S. Donovan
PRESENTER: Carolyn Drislane

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AUTHORS : D. Bangs, C. Carajohn, C. Aaron
PRESENTER: Debra Bangs

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PRESENTER: Flavio Silva

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Flexor Hallucis Longus Activation in a Dancer’s Modified Heel Raise – Preliminary Results
AUTHORS : H. Shih, K. Rowley, K. Kulig
PRESENTER: Hai-Jung Shih

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Musculoskeletal injuries in professional modern dancers: a 15-year prospective cohort study
AUTHORS : C. D. McBride, S. Bronner, A. Gill
PRESENTER: Shaw Bronner
Impact of touring, performance schedule, and definitions on 1-year injury rates in professional modern dancers

AUTHORS: S. Bronner, L. Wood

PRESENTER: Shaw Bronner

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The Complications of Identifying Widespread Pain When Using a Pain Drawing


PRESENTER: Aimee Murray

Conditioned Pain Modulation Before and After Painful Isometric Exercise

AUTHORS: A. Alsouhibani, H. B. Vægter, M. Hoeger Bement

PRESENTER: Ali Alsouhibani

Preliminary Investigation of Trunk Muscle Involvement in Duchenne Muscular Dystrophy Using Magnetic Resonance Imaging


PRESENTER: Alison Barnard
Effectiveness of internet-delivered self-management programs for adults with chronic pain: An evidence-based review and meta-analysis

AUTHORS: A. L. Dauphinee, C. Andrade, D. D. Allen
PRESENTER: Amanda Dauphinee

A Comparison of Physical Activity Measured by a Research-Grade Accelerometer and Fitbit

AUTHORS: A. Barnes, B. Leal, C. Veras, W. Brewer, B. T. Swanson, A. Ortiz
PRESENTER: Ashley Barnes

The Impact of Osseointegrated Prostheses on Quality of Life in Patients with Transfemoral Amputation: A Systematic Review

AUTHORS: B. R. Wagner, K. Kuzminski, J. Lewis, G. Pierce, S. Russo
PRESENTER: Barbara Wagner

Early Metabolic Changes in the Nervous System Following High Fat/High Sucrose Diet and the Protective Role of Exercise

AUTHORS: B. Conner, A. Wonka, J. D. La Favor3, C. Wingard, T. Jones, S. K. Bareiss
PRESENTER: Blaire Conner

Performance verses self-reported outcomes after total knee arthroplasty in a large prospective cohort of patients seen as part of routine clinical practice

PRESENTER: Brian Loyd*
Patient Demographics and Outcome Measure Comparison between the University of Utah Student-Run Physical Therapy Pro-Bono Clinic and the University of Utah Orthopedic Physical Therapy Center

AUTHORS: B. K. Stewart, A. Thackeray
PRESENTER: Brianna Stewart

Select TMS measures in Parkinson's disease following progressive resistance exercise with instability: A case study

PRESENTER: Brooke Darfler

Comparison of Kinematics, Kinetics, and Muscle Activity during Single Leg Squats with Varying Trunk Positions

AUTHORS: S. Patel, E. M. Ciccodicola, A. Khuu, C. L. Lewis
PRESENTER: Cara Lewis

Bridging the Evidence-Practice Gap: Cincinnati Children’s Hospital Division of Occupational and Physical Therapy’s Evolution Toward an Evidence-Based Practice Culture

PRESENTER: Catherine Quatman-Yates
Inconsistent Reporting of Functional Outcome Measures in the Upper Quadrant: A Review of Dry Needling Literature

AUTHORS: A. Jentges, C. Schotte, M. Schumacher, K. Schwalbe, M. Geiser
PRESENTER: Catherine Schotte

Association Between Self-Reported Exercise and Major Depressive Disorder in Chronic Spinal Cord Injury

AUTHORS: C. J. VanDerwerker, Y. Cao, C. Gregory, J. S. Krause
PRESENTER: Catherine VanDerwerker*

Ageing Affects the Extent of Learning, Retention, and Interlimb Transfer: Evidence from a Novel Functional Leg Motor Skill Learning Paradigm

AUTHORS: C. Krishnan, E. Washabaugh
PRESENTER: Chandramouli Krishnan

A Novel Body-Powered Robotic Approach to Facilitate Active Participation during Rehabilitation

AUTHORS: E. Washabaugh, C. Krishnan
PRESENTER: Chandramouli Krishnan

A New Low-Cost Wearable Resistive Robot for Gait Rehabilitation after Stroke

AUTHORS: E. Washabaugh, C. Krishnan
PRESENTER: Chandramouli Krishnan
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Musculoskeletal Adaption after Hemiparetic Stroke: In Vivo Measurements of Biceps and Triceps Brachii Fascicle Lengths and Passive Elbow Stiffness
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PRESENTER: Christa Nelson

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Exploring the limits of motor skill transfer using functional task-specific training
AUTHORS: C. S. Walter, S. Y. Schaefer
PRESENTER: Christopher Walter

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AUTHORS: D. T. Sawyer, B. Synan, M. Gaeta, V. Signoriello, R. M. Hakim
PRESENTER: Daniel Sawyer
Frequently Used Spatial and Temporal Gait Parameters in Assessing Ambulatory Recovery in Individuals Post-Stroke: A Systematic Review
AUTHORS : D. Baloga, M. Holmes, J. Hyndman, K. Sanders, P. Nair
PRESENTER: Danielle Baloga

Assessing the reliability and construct validity of commonly used rehab tools to measure balance
AUTHORS : D. Dzurino, M. Gregory, N. Dawson, J. Tucker
PRESENTER: Darcy Dzurino

AUTHORS : D. Rosa, J. K. Ferreira, P. Camargo, J. Borstad
PRESENTER: Dayana Rosa

The Effects of Forced Exhalation, Grunting, Forced Inhalation, and Valsalva Maneuver on Serve and Forehand Tennis Ball Velocity.
PRESENTER: Dennis O'Connell

Effect Of Thoracic Manipulation On Blood Pressure And Satisfaction: Placebo-Controlled Trial
AUTHORS : E. Kaya Mutlu, R. Mustafaoğlu, T. Birinci, A. Razak Ozdincler
PRESENTER: Ebru Kaya Mutlu
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Self-Reported Sedentary Behavior Impacts Pain Relief Following Six-Minute Walk
AUTHORS : E. Hrdina, A. Alsouhibani, S. C. Stolzman, M. Hoeger Bement
PRESENTER: Elizabeth Hrdina

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The Effect of Altering Hip Extension on Kinetic Gait Variables
AUTHORS : E. Miller, E. C. Wonsetler, M. G. Bowden
PRESENTER: Ellie Miller

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Immune System Function and Pain Outcomes in Women with Fibromyalgia
PRESENTER: Ericka Merriwether*

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Linking post-stroke movement impairment to mechanistic changes in the neural control of movement
AUTHORS : E. V. Olesh, V. Gritsenko
PRESENTER: Erienne Olesh
Influence of sacroiliac bracing on trunk musculature coactivation during return to stand from forward flexion in standing-tolerant and standing-intolerant individuals


PRESENTER: Erika Nelson-Wong

The Midfoot Contributes to Power and Work During Single-Limb Heel Rise

AUTHORS: F. E. DiLiberto, R. A. Carroll, J. M. Henderson, D. A. Nawoczenski

PRESENTER: Frank DiLiberto

The effectiveness of Mirror Therapy on Treatment of Patients with Phantom Limb Pain, Complex Regional Pain Syndrome, and Stroke: A systematic review

AUTHORS: G. Singh, N. Woodcock, T. Lanoue, E. Stech

PRESENTER: Gurpreet Singh

Effectiveness of robotic orthosis on improving mobility and performance in patients who sustained a spinal cord injury (SCI): A systematic review

AUTHORS: G. Singh, J. Takacs, K. M. Imperato

PRESENTER: Gurpreet Singh

Improvement of locomotor function in individuals with post-stroke hemiparesis by treadmill training with postural correction: A Case Series

AUTHORS: H. Park, D. Oh, Y. Kim

PRESENTER: Hyun Ju Park
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The Effect of Post-Operative Neuromuscular Training on Gait Mechanics in Men after ACL Reconstruction
PRESENTER: Jacob Capin

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Full-text publication rate of abstracts presented at the Combined Sections Meeting 2005-2011
AUTHORS: J. Fletcher, C. Gorkis, S. J. Warden
PRESENTER: Jacquelyn Fletcher

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Rheumatoid Arthritis (RA)-Related Joint Symptoms and Thoracic Bone Mineral Density (BMD) in an RA-free Community Dwelling Population
PRESENTER: Jan Hughes-Austin*

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Dynamic head and neck posture changes across tablet and laptop typing tasks
AUTHORS: J. Prodoehl, T. Hanke, J. Krzak
PRESENTER: Janey Prodoehl
Differences in Outcomes of Lower Extremity Motor Recovery Between Right and Left Hemispheric Stroke: A Systematic Review

AUTHORS: J. Scarborough, A. Castris, E. Kubichek, M. Tilley, P. Nair
PRESENTER: Jasmine Scarborough

Efficacy of a Physical Therapy Led Eight-Week Workplace Wellness Program on Physical and Mental Health

PRESENTER: Jeffrey Damaschke

Poststroke Changes in Muscle Size and Strength: A Systematic Review

AUTHORS: J. L. Hunnicutt, C. Gregory
PRESENTER: Jennifer Hunnicutt

Effects of non-pharmacological treatment options for post-stroke depression

AUTHORS: J. H. Newton, K. Stimpson, C. J. VanDerwerker, A. E. Embry, C. Gregory
PRESENTER: Jennifer Newton

Novel biofeedback technique normalizes gait abnormalities during decline walking after total knee arthroplasty

PRESENTER: Jesse Christensen
Effects of proprioceptive enhancement on postural and gait performance
AUTHORS: C. Sacco, E. Gaffney, J. C. Dean
PRESENTER: Jesse Dean

Use of a novel mechanical context to manipulate preferred step width
AUTHORS: E. Nyberg, J. Broadway, J. C. Dean
PRESENTER: Jesse Dean

Which Hip Extension Testing Position Results in the Highest Torque Production of the Gluteus Maximus While Minimizing the Torque Production of the Hamstrings?
PRESENTER: Jia Liu

The Influence of Cab Design on Segmental Body Postures and Ergonomic Risk for Development of Work Related Musculoskeletal Disorders (WMSDs) in Forklift Operators.
AUTHORS: J. M. Duff, A. Lowrie, C. Marchell
PRESENTER: Jillian Duff
Is functional organization of the motor cortex associated with timing of anticipatory postural adjustments in healthy adults?

AUTHORS: J. Armour Smith, A. Albishi, B. E. Fisher

PRESENTER: Joanne Armour Smith

Age and pain do not differentiate between high- and low-functioning groups prior to joint arthroplasty


PRESENTER: Joseph Zeni

Decreased Functional Status at Acute Care Discharge is Associated with 30-Day Hospital Readmission for Surgical Patients


PRESENTER: Joshua Johnson*

Monitoring of physical function in primary care and communication of health care strategies using the Primary Health Care Record to optimize physical functioning and mobility in persons with chronic conditions.

AUTHORS: J. Richardson, L. Letts, S. Sinclair, D. Chan, H. Sui

PRESENTER: Julie Richardson
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Muscle Fatigue and Recovery in Adults
PRESENTER: Julie Skrzat

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The Comparison of the Use of the Sneaker vs. Unstable Footwear (Flip flops) and its Effect on Dynamic Balance and Temporal-Spatial Gait Parameters in Healthy Young Females
PRESENTER: Karl Rusch

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The Effect of Changing Speed on Kinetic Gait Variables
AUTHORS: K. Huey, E. C. Wonsetler, M. G. Bowden
PRESENTER: Katherine Huey

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The short and long-term effect of focus of attention on mindfulness during a 6-week balance training program.
AUTHORS: K. J. Pantano
PRESENTER: Kathleen Pantano

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Do Knowledge Translation Interventions Increase Physical Therapists’ Use of Outcome Measures?
PRESENTER: Kathryn Mitchell
Robust Fall Detection and Classification in Individuals with Amputations and Non-Injured Participants Using Smart Phones

PRESENTER: Kelsey Greenoe

A Comparison of Two Electrode Montages for Transcranial Direct Current Stimulation to the Lower Extremity Motor Cortex.

PRESENTER: Kevin Garrison*

The effects of sound exposure on postural sway and muscle activity in healthy young adults: A class project.

PRESENTER: Kim Poulsen

Reliability and Norms of Pressure Pain Threshold Testing in Healthy Subjects Lateral Wrist Extensor Muscles

AUTHORS: K. Zimney, B. M. Ness, S. Laufmann, M. Muehler, T. Sarringar
PRESENTER: Kory Zimney
Is a structured exoskeleton overground gait training program superior to traditional care in individuals affected by chronic, severe stroke?


PRESENTER: Kristen Hohl

Safety and feasibility of positive pressure treadmill training for improving walking function in a person with Multiple Sclerosis: A case study

AUTHORS: J. Melbourn, L. Hawkins, M. Moldavskiy, D. Backus

PRESENTER: Jonathan Melbourn

Home-Based Exercise and Walking Activity in Veterans with Chronic Pain while Participating in Weekly Group Exercise Class


PRESENTER: Lynne Hardy

The Effect of Rhythmic Auditory Cueing on the Spatial and Temporal Gait Coordination at Different Walking Speeds in Healthy Adults

AUTHORS: M. Almarwani, J. VanSwearingen, S. Perera, P. Sparto, J. Brach

PRESENTER: Maha Almarwani

Pain Caused by Recreational Yoga Participation: A Prospective Cohort Study

AUTHORS: M. Campo, M. P. Shiiko, M. B. Kean, L. Roberts, E. Pappas

PRESENTER: Marc Campo
1317
Pectoralis Minor Muscle Length and Shoulder Pain in Manual Wheelchair Users with Varied Duration of Spinal Cord Injury
AUTHORS : M. Finley, D. Ebaugh
PRESENTER: Margaret Finley

1318
Adaptability to Novel Running Conditions following Knee Meniscectomy
AUTHORS : M. Morrissette, R. W. Willy, N. R. Blaylock, M. Baggaley, S. A. Meardon
PRESENTER: Marie Morrissette

1319
Assessing the reliability, agreement, and convergent validity between the 10MWT and GAITRite system in healthy adults
AUTHORS : M. Gregory, N. T. Dawson, D. Dzurino, J. Tucker
PRESENTER: Melissa Gregory

1320
Plantar temperatures are higher in diabetic patients with a foot ulcer history: implications on the pathomechanics of ulceration
PRESENTER: Metin Yavuz
The Impact of Exercise on Synaptic Signaling Alterations and Memory in the Triple Transgenic Mouse Model Of Alzheimer’s Disease

AUTHORS : M. Haskins, T. Tran, Q. Lu, S. K. Bareiss
PRESENTER: Morgan Haskins

Community-Based Adapted-Yoga for Adults with Chronic Acquired Brain Injury: A Phase 2 Implementation Pilot Study

AUTHORS : N. Nicolai, J. R. O’Kane, A. Mason, R. Burris, C. Hanna, C. Rowlett, A. A. Schmid, S. L. Thompson, K. K. Miller
PRESENTER: Nancy Nicolai

Intramuscular adipose tissue (IMAT) negatively impacts skeletal muscle strength

AUTHORS : N. Biltz, G. Meyer
PRESENTER: Nicole Biltz

Between-limb Asymmetries During Stair Descent 3 Months After Total Knee Arthroplasty

AUTHORS : P. Kline, C. A. Jacobs, S. Duncan, B. Noehren
PRESENTER: Paul Kline

Comparison of 3D Shoulder Kinematics between Throwing and Non-throwing Arms in Division II Collegiate Baseball Players

PRESENTER: Peter Rundquist
Abbreviated models for predicting fall risk in adults with intellectual disabilities
AUTHORS: S. Wisniewski, E. Igler, P. Esposito
PRESENTER: Phil Esposito

Physical activity and body composition in children with cerebral palsy
AUTHORS: K. Ziegler, P. Esposito
PRESENTER: Phil Esposito

Influence of aging and stroke on cognitive-motor-interference: Does dual-task ability differ across locomotor and balance tasks?
AUTHORS: P. Patel, M. Joshi, T. Bhatt
PRESENTER: Prakruti Patel

Text messaging for exercise adherence and weight loss in adults who are overweight or obese: A systematic review of the literature
AUTHORS: J. Biedrzycki, R. Zeno, N. Leonard, C. Shearer, N. A. Bianchi, R. S. Escorpizo
PRESENTER: Rachael Zeno
1330
Changes In And Importance Of Patient-Reported Outcomes During Long-Term Therapeutic Exercise Programs
AUTHORS : R. Peterson, P. Hinton, E. A. Dannecker
PRESENTER: Rachel Peterson

1331
Sit to Stand Performance Related to Distributing Force Over Time Not Peak Force in Older Adults
PRESENTER: Rae Canfield

1332
The Effect of Whole Body Vibration on Pain and Disability in Adults with Chronic Low Back Pain: A Systematic Review
PRESENTER: Renee Hakim

1333
Serratus Anterior Function Assessed with Smartphone Accelerometer and Ultrasound Imaging
PRESENTER: Robert Dale

1334
Does resistance training improve metabolic profile and body composition in adults with type II diabetes mellitus?
AUTHORS : R. Singh, K. O'Brien, E. Cinotti
PRESENTER: Rupali Singh
Changes in muscle material properties of stroke-impaired ankle plantarflexors and dorsiflexors

AUTHORS: K. L. Jakubowski, A. Terman, R. V. Santana, S. Lee

PRESENTER: Sabrina S.M. Lee

The Variability of Kinetic Parameters with Altered Walking Speed

AUTHORS: S. Frye, E. C. Wonsetler, M. G. Bowden

PRESENTER: Sarah Frye

Medications and Physical Therapy: Using a Systematic Review to Develop an Online Resource

AUTHORS: S. Lehman, A. Liebeck, M. Ryan

PRESENTER: Sarah Lehman

Validity and test-retest reliability of a portable three-axis inclinometer

AUTHORS: S. Ahn, S. Lee, C. Song, S. Choi, W. Lim, N. Lee

PRESENTER: Seungeon Ahn


AUTHORS: S. E. Aaron

PRESENTER: Stacey Aaron
Community-based running measures associated to pain
AUTHORS: S. M. Suydam, M. Evans, R. W. Willy
PRESENTER: Stephen Suydam

The Association of Specific Serious Lower Extremity Injuries With Delayed Amputation
AUTHORS: S. L. Eskridge, O. Hill, M. C. Clouser, M. R. Galarneau
PRESENTER: Susan Eskridge

Insertion and Presence of Intramuscular Fine Wire Electrodes in the Lumbar Paraspinal Muscles Do Not Affect Muscle Performance and Activation during High Exertion Spinal Extension Exercises
AUTHORS: J. DiMascio, R. Hicks, M. Kimber, K. Snyder, J. Armour Smith, S. Lee
PRESENTER: Szu-Ping Lee

Can Simple Postural Instructions Modify Running Forms in Recreational Runners?
AUTHORS: C. U. Gray, M. Poggemiller, I. Tracy, H. Teng, S. Lee
PRESENTER: Szu-Ping Lee

The Use of a Static Measure to Predict Foot Posture at Midstance During Walking
PRESENTER: Thomas McPoil
Effect of posture on motor cortical excitability of lower limb musculature
PRESENTER: Trisha Kesar

Regional Variations in Three Activity Limitations in the US Population
AUTHORS: T. A. Sando
PRESENTER: Trisha Sando

Innovative Rehabilitation for Stroke Survivors: Can intensive bouts of whole body rehabilitation improve quality of life and reduce health care cost for stroke survivors?
AUTHORS: J. Teslevich, P. Williams, T. K. Jain, K. Wing, V. Carter
PRESENTER: Valerie Carter

The Effects of Instrument-Assisted Soft Tissue Mobilization on 2-point Discrimination and Pain Threshold
AUTHORS: W. Ge, E. Roth, A. Sansone
PRESENTER: Weiqing Ge
Increased passive stiffness of the extrinsic finger muscles contribute substantially to increased passive stiffness at the wrist and fingers in chronic stroke individuals

AUTHORS: B. Binder-Markey, W. Murray, J. P. Dewald

PRESENTER: Wendy Murray

Sports Physical Therapy - Biomechanics

The Effects of Training Load on Injury Rates in an Athletic Population: a Systematic Review

AUTHORS: A. Wedemeyer, D. Adamson, K. Crenshaw, A. Evans, D. Clewley, R. J. Butler

PRESENTER: Ashton Wedemeyer

Differences in Landing Mechanics After Fatigue During Unplanned And Planned Maneuvers In Anterior Cruciate Ligament Reconstructed Individuals

AUTHORS: B. N. Vrazel, D. Copa, A. Alanazi, A. Ortiz

PRESENTER: Bailey Vrazel

Early Clinical Examination Predicts Delayed Recovery in Individuals with Concussion

AUTHORS: C. Martinez, H. Myers, Z. Christopherson, J. R. Bytomski, R. J. Butler, C. E. Cook

PRESENTER: Corina Martinez

Which Concussion Associated Clinical Symptoms are most likely to lead to Physical Therapist Referral?

AUTHORS: C. Martinez, H. Myers, J. R. Bytomski, R. J. Butler, C. E. Cook, Z. Christopherson

PRESENTER: Zachary Christopherson
1357
Criterion Validity of the Fusionetics Movement Efficiency Test In Reference to the Functional Movement Screen Among Active-Duty Firefighters
AUTHORS : D. J. Cornell, K. T. Ebersole, R. Azen2, J. E. Earl-Boehm, K. Zalewski, C. Alt
PRESENTER: David Cornell

1358
Force Distribution during Double Leg and Single Leg Bridging Exercises
AUTHORS : D. Witt, E. Mulligan, R. L. Smith, G. Myers, A. Contner, D. Gauch, C. Byrne, N. Talbott
PRESENTER: Deanne Gauch

1359
The Acute Effects of Whole Body Vibration on Vertical Jump, Power, Balance, and Agility in Untrained Adults
AUTHORS : H. W. Wallmann, B. Evans, G. Goss, A. Hyman, A. Paicely
PRESENTER: Harvey Wallmann

1360
Application of Inertial Measurement Units for Quantifying Lower Limb Balance and Postural Stability in Division I Women’s Basketball Players
PRESENTER: Ignacio Gaunaurd
Effects of barefoot strength training compared to strength training with shoes on static and dynamic balance of division II women’s basketball players: A pilot study.

AUTHORS: J. Bennett, M. Leise, L. Bonnell, B. Stuppy, B. Tiehes, J. File
PRESENTER: Jack Bennett

Estimations of lateral patella forces from derived quadriceps forces during three speeds of walking and two speeds of running/jogging

AUTHORS: J. R. Roush
PRESENTER: James Roush

Inter-Rater Reliability of the Selective Functional Movement Assessment (SFMA) by SFMA Certified Physical Therapists with Similar Clinical and Rating Experience.

PRESENTER: Jeffery Dolbeer

Comparison of In-Shoe Plantar Loading between Minimalist and Maximalist Running Shoewear

AUTHORS: J. K. Ogston
PRESENTER: Jena Ogston

The association between nontraumatic overuse injuries and external factors in recreational cyclists

PRESENTER: Jill Horbacewicz
Effects of Education Status on the Tire Flip: A Kinematic Analysis

AUTHORS: K. Johnson, A. Ali
PRESENTER: Kathryn Johnson

Relationship Between Hip Function and Quality of Movement during a Forward Step-down in Persons with Femoroacetabular Impingement Syndrome

PRESENTER: Lindsey Brown

Static and Dynamic Balance Measures Differ Across Sports for Female Collegiate Athletes

AUTHORS: L. Bouillon, B. Bowers, J. Buckland, H. Zappala
PRESENTER: Lucinda Bouillon

The Relationship of Dominant vs Non-Dominant Limb Asymmetry in the Balance Error Scoring System

AUTHORS: J. Boyd, A. Eshleman, K. Luckenbaugh, M. Epler, E. L. Ulrich
PRESENTER: Marcia Epler

The Relationship of Lower Limb Dominance to Performance on Y-balance Test Scores

AUTHORS: P. Jones, D. W. Johnson, C. Grove, J. Murphy, M. Epler, M. Streisel
PRESENTER: Marcia Epler
Sagittal and Frontal Plane Trunk and Knee Movement During A Single Leg Drop Task at 6 and 12 Months After Anterior Cruciate Ligament Reconstruction


PRESENTER: Matthew Briggs

The Effect of a Core Stability Training Program on Vertical Jump Performance in College-Aged Athletes: A Systematic Review

AUTHORS: M. Rovig, M. Bailey, K. Morrell, M. Dolan, S. Kane

PRESENTER: Meghan Rovig

Eccentric exercises reduce hamstring injury incidence but not time to return to sport and injury recurrence: A systematic review and meta-analysis

AUTHORS: M. Cantore, J. Choi, K. Xie

PRESENTER: Molly Cantore

A Systematic Review: The Relationship Between Early Sports Specialization & Injury in Young Athletes

AUTHORS: N. T. Clem, Z. Winchester, D. MacLeod, S. Lesh

PRESENTER: Nathan Clem
1375

Relationship between Functional Movement Screen deep squat test scores and Landing Error Scoring System scores in NCAA Division II Athletes

AUTHORS: P. A. Sprague, D. R. Gatens

PRESENTER: Peter Sprague

1376

A comparison of resistive torque generated by elastic resistance and isotonic resistance

AUTHORS: P. Page, R. Topp, P. Maloney, E. Jaeger, A. Labbe, G. W. Stewart

PRESENTER: Phil Page

1377

Reliability of Video-Based Observation of Head Impacts Compared to a Standardized Instrument in Male Collegiate Lacrosse Players

AUTHORS: R. Myers

PRESENTER: Robin Myers

1378

Comparison of Core Musculature Co-contraction during Floor-Based and Suspension-Based Exercises


PRESENTER: Taylor Cole

1379

Investigation of an eight-week training intervention on kinematics of the hip and knee in adolescent female soccer players


PRESENTER: Thomas Robinson
The Use of an Inertial Motion Analysis System to Evaluate the Kinematics of Landing Before and After a Six-session Training Intervention Focused on Proximal Hip Strengthening, Motor Control, and Lower Extremity Loading Strategies


PRESENTER: Thomas Robinson

Limb Asymmetry in Landing Knee Mechanics is Associated with Isokinetic Quadriceps Strength not Degree of Voluntary Activation


PRESENTER: Tyler Balfour

A Comparison of Baseline Concussion Screening in Collegiate Football and Soccer Players

AUTHORS: W. Smith, N. Espinosa, J. Gittings, L. Zinnert, D. W. Klima

PRESENTER: Whitney Smith

*Sports Physical Therapy - Case Studies*

Femoral Vein Deep Vein Thrombosis in an Adult Male

AUTHORS: B. D. Griffiths, J. B. Richardson, B. A. Young

PRESENTER: Bridgette Griffiths
An Evidence-Based Exercise Program for Manual Wheelchair Users
PRESENTER: Britany Schram

Physical Therapy for Prolonged Recovery after Sports-Related Concussion: A Case Report
AUTHORS: C. Mattson, A. M. Custer, T. L. Chmielewski
PRESENTER: Carly Mattson

The Female Athlete Triad in a 30 year old Elite Endurance Athlete
AUTHORS: C. Kunzer
PRESENTER: Corey Kunzer

The Inclusion and Progression of Two Athletes with Disabilities in High School Sports: A Case Study
AUTHORS: J. C. Spence, D. Fay
PRESENTER: Deanne Fay

Rehabilitation of chronic insertional patellar tendinopathy utilizing combine heavy eccentric and isometric loading: a case report.
AUTHORS: E. Paster
PRESENTER: Ethan Paster
1389

The use of heavy sled dragging to increase lower body strength and improve jumping ability in a football player with lumbar issues.

AUTHORS : J. B. Mann
PRESENTER: James Mann

1390

Effects of a Musculoskeletal Injury on Body Composition: A Case Study

PRESENTER: Jeff Konin

1391

Outcomes Associated with Post-Activation Potentiation Training in the Rehabilitation of a Division I Collegiate Hurdler: A Case Report

PRESENTER: Jeffrey Ruiz

1392

Blood Flow Restriction and Return to Elite Running After Previously Failed Treatment of Proximal Hamstring Injury

AUTHORS : J. Pintar
PRESENTER: Josh Pintar
Performance-based Measures and Mobile Technology in the Management of a Division I Football Player Following Concussion: A Case Report

PRESENTER: Luis Feigenbaum

Influence of External Noise on Standardized Neurocognitive Assessment

PRESENTER: Megan Donnelly

Beyond Incredible: The Power of Paralympic Sport – A Pilot Ethnographic Study

AUTHORS: S. Walters, M. Thompson
PRESENTER: Sheri Walters

Neuromuscular Function after Sports Concussion: Implications for Injury Risk and Rehabilitation

AUTHORS: T. L. Chmielewski, D. F. DuBose, D. C. Herman, J. R. Clugston, M. Horodyski, C. Mattson
PRESENTER: Terese Chmielewski*

Addressing multiple joints in collegiate rowers with back pain.

AUTHORS: W. G. Seymour, T. J. Manal, A. O. Giordano
PRESENTER: William Seymour
Y Balance Test-Lower Quarter Composite Scores are Correlated with Stride Length in NCAA Division I Baseball Pitchers

AUTHORS: A. Culiver, J. Garrison, K. M. Pollard, J. E. Conway, S. Goto, S. Werner

PRESENTER: Adam Culiver

The relationship between pre-operative and twelve-week post-operative Y balance and quadriceps strength in athletes with an ACL tear.

AUTHORS: C. Hallagin, J. Garrison, K. M. Pollard, S. Goto, J. Bothwell, J. Hannon

PRESENTER: Cassidy Hallagin

Application of Achievement Goal and Self-Determination Theory in Adapted Youth Sport

AUTHORS: D. R. Shapiro, W. Yao, C. Rolin, A. Lock

PRESENTER: Christi Rolin

Investigation of a Novel Field Test to Identify Functional Insufficiencies in Collegiate Athletes After ACL Reconstruction.

AUTHORS: C. S. Hart, P. Ames, R. Giveans

PRESENTER: Christopher Hart
1403
Management of chronic hip pain in a collegiate track athlete following acetabular labral repair
AUTHORS: G. Schiller, A. O. Giordano
PRESENTER: Gregory Schiller

1404
The use of biomechanical feedback to alter drop landing technique: a case series
AUTHORS: H. Tao, L. J. Piropato, T. W. Kernozek, D. N. Rutherford, C. N. Vannatta
PRESENTER: Hanz Tao

1405
A Systematic Review: Do concussion education protocols improve reporting & return-to-play guideline adherence in athletes?
AUTHORS: S. Lesh, K. McCoy, K. Shouse, M. Smith
PRESENTER: Keaton McCoy

1406
Jump-landing performance characteristics based on lower extremity strength, range of motion, and lateral step down score in recreational athletes
PRESENTER: Lisa Piropato

1408
Management of a Suprascapular Nerve Injury in a High School Athlete
AUTHORS: N. Maskery, J. Atwood, T. Windley
PRESENTER: Nicole Maskery
Integral role of a team physical therapist in treatment of a collegiate diver with postconcussion symptoms

AUTHORS: P. T. Mariano
PRESENTER: Patricia Mariano

Description and Comparison of Pre- and Post-Season Blood Pressure Measures among Collegiate Athletes

AUTHORS: S. Arena, L. LaBelle, J. Larsen, L. M. Palomino, T. Hew-Butler
PRESENTER: Sara Arena

Reliability and Clinical Utility of an Upper Extremity Movement Screen

AUTHORS: S. C. Walls, E. Kensrue, E. Shanley, C. A. Thigpen
PRESENTER: Steven Walls

Group 2: Friday, February 17

Clinical Electrophysiology and Wound Management

Efficacy of Polarized Light Versus Gallium-Arsenide Laser in Treatment of Pressure Ulcers

AUTHORS: A. M. abdelkader
PRESENTER: ahmed abdelkader

Screening for Cardiovascular Disease Risk Factors in a Physical Therapist Wound Care Practice

AUTHORS: K. Zhou, A. M. Perilli, N. Van Gorder, A. Pace, M. D. Ross
PRESENTER: Andrew Perilli
2003

Electrically-elicited Quadriceps Muscle Torque: Comparison of Three Waveforms, Burst-modulated Biphasic Square-wave Pulsed Current and Two Different Burst-modulated Alternating Currents.

AUTHORS: C. Adams, W. B. Scott, J. Basile, J. Leigh, L. Hughes, A. M. Schiller, J. Walton

PRESENTER: Cheryl Adams

2004

Evidence Based Management of Tinea Pedis

AUTHORS: E. J. Traylor

PRESENTER: Eddie Traylor

2005

Collagenase for Wound Debridement in the Neonatal Intensive Care Unit: A Retrospective Case Series


PRESENTER: Elizabeth Huett

2006

The Effect of Dry Needling on Neck Pain: A Systematic Review


PRESENTER: Felix Adah

2007

Paired Motor Unit Analyses Within and Across Motor Unit Populations in the Human Lower Leg


PRESENTER: Hsuanwei Kang
2008

Virtual Reality is An Effective Non-Pharmacologic Method to Reduce Pain in Patients with Burn Injuries: A Systematic Review of the Literature

AUTHORS: M. B. Hillman, B. L. Introcaso, G. C. Lord, K. E. Popovich, M. Yargeau, N. A. Bianchi, R. S. Escorpizo

PRESENTER: Kara Popovich

2009

Short-Term Effect of Low-Level 830 nm Infrared Laser on Median Nerve Distal Motor Conduction Latencies in Healthy Subjects

AUTHORS: R. E. Post, D. Luczka, M. Buscaglia, D. McMullen, S. Spangler

PRESENTER: Robert Post*

Education

2011

Addressing Social Determinants of Health in Entry-Level Physical Therapy Education

AUTHORS: A. Fitzsimmons, A. Guerin

PRESENTER: Amber Fitzsimmons

2012

Early Integration of a Simulation Lab Experience: A Focus on Confidence and Critical Thinking

AUTHORS: A. H. Newstead, D. James, A. Fujiwara, N. Weeks-O'Neal

PRESENTER: Amy Fujiwara
2013

Use of an Instrumented Walkway System to Enhance Comprehension and Application of Normal and Abnormal Gait Parameters among Graduate Students Enrolled in an Accelerated Physical Therapy Curriculum

AUTHORS : A. M. Edwards, S. Laslovich, K. M. Johnson, C. Childers

PRESENTER: Anna Edwards

2014

Flipping the Classroom and Using Student Response Systems to Teach Musculoskeletal Content in Physical Therapist Assistant Education: A Case Report

AUTHORS : B. E. Reinard, K. K. Chui

PRESENTER: Barbara Reinard

2015

Virtual Dementia Experience: Active Learning Experience to Improve Student Understanding of Working with Older Adults with Alzheimer’s Dementia.

AUTHORS : B. J. Johnson

PRESENTER: Beverly Johnson

2016

Teaching Anatomy in Physical Therapist Professional Education Programs

AUTHORS : B. Stockert, A. Ernst, J. Mansoor, P. J. Ohtake

PRESENTER: Brad Stockert

2017

Flipping a Physical Therapy Classroom

AUTHORS : B. W. Willis, S. Sayers, E. L. Prost

PRESENTER: Bradley Willis
2018

Efficacy of a Computerized Shoulder Simulation Model on Developing Manual Therapy Skills in Physical Therapy Students


PRESENTER: Candace Altomare

2019

Usage Trends and Theoretical Knowledge of Electrotherapeutic Agents in Physical Therapist Practice: A Survey

AUTHORS: C. E. Rothschild, K. Humphries, D. Francis, G. Lebovitz

PRESENTER: Carey Rothschild

2020

The Student Interview: An Integral Part of the Student Placement Process

AUTHORS: C. Funk, A. Blorstad, L. Neely

PRESENTER: Carly Funk

2021

Interprofessional Collaborative Practice through Care of Collegiate Student-Athletes


PRESENTER: Catherine Crandell
2022

Face-to-Face versus Online Learning Strategies for Doctor of Physical Therapy Students to Improve Knowledge of, Confidence in, and Consistency of Manual Muscle Testing

AUTHORS: C. A. Larson, J. Wenzlaff

PRESENTER: Cathy Larson

2023

Certified Therapy Animal Effect on Biometric Measures and Stress for Graduate Professional Students

AUTHORS: C. Williams, E. Dagnan, K. Miner

PRESENTER: Christi Williams

2024

An Interdisciplinary Approach to Promote Student Learning and Faculty Development in a Cadaver-Based Learning Environment

AUTHORS: C. Williams, C. Barton, J. S. Halle, L. McGrew

PRESENTER: Christi Williams

2025

Health and Wellness Behaviors of Student Physical Therapists


PRESENTER: Christina Wisdom

2026

Are We There Yet? Is Academia and Clinical Education Adequately Preparing Students for the Leap to Employment?

AUTHORS: C. C. Gazsi, L. Nof, S. Rone-Adams, D. F. Stern, B. Litwin

PRESENTER: Claudia Gazsi
2027
Integrating Real-Time Musculoskeletal Ultrasound Education into a Doctor of Physical Therapy Curriculum
AUTHORS: K. L. Jagger, C. Bailey, B. Harper
PRESENTER: Cody Bailey

2028
Is Peer-to-Peer Teamwork an Answer to the Clinical Education Placement Shortage?
AUTHORS: C. M. Brough, J. Janisch, V. Sabens, C. K. Wong
PRESENTER: Colleen Brough

2029
Implementation of a 4:1 Student-Instructor Clinical Education Model for First Year Physical Therapist Students
AUTHORS: C. Zook-Arquines, C. Meachem, D. K. Anderson
PRESENTER: Cori Zook-Arquines

2030
The Community as a Classroom: Curricular Assessment of Students’ Civic-Mindedness as a Function of Volunteerism
AUTHORS: C. Larson, P. Prange, T. Loghmani, P. Altenburger
PRESENTER: Courtney Larson
The Effects of an Osteoporosis and Bone Health Educational Program on the Knowledge, Beliefs, Behaviors, and Self-Efficacy of Collegiate Women
AUTHORS : C. H. Gill, J. Haaf, K. Hughes, M. Pollock, C. Kirby
PRESENTER: Cynthia Gill

Predicting Success for Students in a Doctor of Physical Therapy (DPT) Program
AUTHORS : D. Anderle, K. Rowley, B. McEwen
PRESENTER: Dale Anderle

Impact of a Case-Based Interprofessional Education Experience between Physical Therapy and Medical Students
PRESENTER: David Krause

Collaborative Clinical Faculty Training Across Disciplinary and Organizational Boundaries
AUTHORS : D. A. Bierwas, L. Kroneberger, H. Carroll
PRESENTER: Debra Bierwas

Cultivating a Culture of Employee Recognition and Professional Growth: Development of a Clinical Ladder in the Department of Rehabilitation Services
AUTHORS : D. Bankar, G. Leff
PRESENTER: Deepali Bankar
Ultrasound Measurements of Thoracic Paraspinal and Lower Trapezius Muscle Thickness: Intermeasurer Reliability of Physical Therapy Students
AUTHORS: D. Witt, N. Talbott, C. Brandner, K. Wells
PRESENTOR: Dexter Witt

Frequency of Screening for Post-Traumatic Stress Disorder
PRESENTOR: Donald Allen

Use of Linking Rules for Curriculum Assessment: A Systematic Method to Match Curriculum Content to Professional Competencies
AUTHORS: D. Cech, J. Krzak
PRESENTOR: Donna Cech

The Importance of Staff Competency when Treating a Transgendered Person
AUTHORS: E. Rankel, J. Eftychiou
PRESENTOR: Jennifer Eftychiou
A Competency-based Approach to Acute Care Curriculum Development: Linking Entry-level DPT and Post-Professional Residency Education


PRESENTER: Ellen McGough

Comparing the Frequency and Perceived Importance of Inter-Professional Communication Activities in Inpatient and Outpatient Physical Therapy Settings


PRESENTER: Elsa Drevyn

The Impact of Terminal Physical Therapy Clinical Internship Setting on Clinical Performance Instrument Scores

AUTHORS: E. Drevyn, N. J. Kirk-Sanchez, L. Gusman, K. E. Roach

PRESENTER: Elsa Drevyn

Clinical Education Terminology: Comparison of Program-Assigned Labels and Student-Reported Experiences

AUTHORS: J. Howman, E. H. Kaufman, A. Lioi, J. E. Simon

PRESENTER: Emily Kaufman
2044
The Prevalence and Effect of Burnout on Graduate Healthcare Students
PRESENTER: Garrett Bullock

2045
Exploring the Residency Partnership Model for Learning (RPML) between Academicians and Neurologic Physical Therapy Residents to Expand Clinical Reasoning
AUTHORS: G. Zipp, C. Maher
PRESENTER: Genevieve Zipp*

2046
Are Orthopedic Physical Therapists Prepared to Identify and Treat Individuals with Musculoskeletal Pain Associated with Parkinson’s disease?
AUTHORS: G. Roselli, R. Panichelle, L. N. Marinko
PRESENTER: Gianna Roselli

2047
Outcomes of Physical Therapy Clinical Residency Programs by Administrative Structure
AUTHORS: G. W. Hartley, K. L. Harrington, K. E. Roach
PRESENTER: Greg Hartley*

2048
Integrated Clinical Experience: Does it Enhance Clinical Affiliation Confidence and Performance?
AUTHORS: G. E. Haase, E. B. John, S. Distad, M. Lane, S. E. Petlicki, J. Yokubison
PRESENTER: Gretchen Haase
Identifying the Impact Factor of Intercultural Curricular Content and Experiences through the Eyes of the Doctor of Physical Therapy (DPT) Student.


PRESENTER: Benjamin Foster

Student Perception of Professional Behaviors for the 21st Century

AUTHORS: J. Huddleston, E. Murphy, J. Beebe, M. Harris

PRESENTER: Elizabeth Murphy

The Influence of Service Learning on PT Student Education and Development as Active Community Members

AUTHORS: J. B. Krug

PRESENTER: Jeffrey Krug

Understanding Academic-Clinical Partnerships through Objective Assessment using a Social Network Analysis Tool

AUTHORS: J. W. Rodriguez, K. Myers

PRESENTER: Jennifer Rodriguez
The Initiation and Maintenance of a Student-Staffed Multidisciplinary Health Clinic
AUTHORS: J. Goodman
PRESENTER: Jessica Goodman

Mixed Methods Study: A One-Week International Service Project is Effective to Enhance Healthcare Competencies
PRESENTER: Joseph Day

What are the Effects of a Team-Based Approach During Interprofessional Collaborative Learning With an Evidence-Based Research Course Designed for Physical Therapy and Occupational Therapy Graduate Students?
AUTHORS: J. A. Woehrle, T. Virden, S. O'Neal, R. Blunck
PRESENTER: Judith Woehrle

Does Debriefing Improve Student Learning of Team Skills?
AUTHORS: J. Ronnebaum
PRESENTER: Julie Ronnebaum

Reliability of an Interprofessional Handoff Communication Tool
AUTHORS: J. Ronnebaum
PRESENTER: Julie Ronnebaum
2058

A Survey of Capstone Courses in United States DPT Program Curricula
AUTHORS: J. Hanks, S. Barlow, J. J. Tate
PRESENTER: June Hanks

2059

Navigating Transitions of Care through Interprofessional Education
AUTHORS: K. J. Panzarella, L. Rivers, P. Nowakowski, K. Butterfoss
PRESENTER: Karen Panzarella

2060

Introduction to the PADI: Peer and Self-Assessment Debriefing Instrument
AUTHORS: K. J. Panzarella, K. Butterfoss
PRESENTER: Karen Panzarella

2061

Human Anatomy Instruction: Enhancing Learning and Predicting Success in First-Semester DPT Students
PRESENTER: Katy Mitchell

2062

Current Practices and Perceptions of Admissions Criteria at Physical Therapist Education Programs in the United States
PRESENTER: Katy Mitchell
The Value of Participation in an Interactive, Case-based Interprofessional Educational Activity between Physical Therapy and Physical Therapist Assistant Students

AUTHORS: K. A. Musti, B. R. Wagner, D. Maida
PRESENTER: Kelly Musti

Using Video Technology to Support Delivery of Therapeutic Modalities Content in a Doctor of Physical Therapy Program

PRESENTER: Kendra Gagnon

Outcomes of Physical Therapy Clinical Residency Programs by Operational Structure

AUTHORS: G. W. Hartley, K. L. Harrington, K. E. Roach
PRESENTER: Kendra Harrington

It’s Better With a Team: A PT/OT Interprofessional Learning Experience Using Simulation

PRESENTER: Kim Smith
Tenure-Track Junior Faculty Job Satisfaction in U.S. Physical Therapist Education Programs

AUTHORS: K. E. Varnado, D. A. Bierwas, J. L. Alexander, D. Shaw

PRESENTER: Kimberly Varnado

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AUTHORS: J. A. Feld, H. E. Josephson, T. Joyce, M. Mosley, M. A. Russo

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PRESENTER: Frank Vickory
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AUTHORS: J. Jackson
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AUTHORS: J. A. Werner, L. Morris
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AUTHORS: J. B. Christy, G. Cochrane, A. B. Almutairi, C. Busetttini, M. Swanson, K. Weise
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AUTHORS: K. SMITH
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AUTHORS: K. C. Gammons, J. Freund, B. Robinson
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AUTHORS : W. J. Carender
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AUTHORS : A. Linko, S. Getsoian
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AUTHORS : S. Saltarelli, M. Vieria, A. Kwiatkowski, A. Ozcan Edeer, V. Olson

PRESENTER: Ayse Ozcan Edeer

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AUTHORS : B. Pairot de Fontenay, J. Roy, C. Mercier, L. J. Bouyer

PRESENTER: Benoit Pairot de Fontenay

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PRESENTER: Charles Jones

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PRESENTER: Charles Thigpen
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AUTHORS: C. K. Wong, E. Mercer, G. Schram, R. Kesting, B. Strang, K. Deo
PRESENTER: Christopher Wong

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AUTHORS: C. P. Hensley
PRESENTER: Craig Hensley

Comparison of two interventions for posterior capsule tightness and shoulder pain—a Randomized Controlled Trial
AUTHORS: D. Rosa, J. Borstad, J. K. Ferreira, V. Gava, P. Camargo
PRESENTER: Dayana Rosa

Non injectable needling interventions for shoulder pain consistent with impingement syndrome: A systematic review
AUTHORS: D. Clewley, E. Lane, J. Moore, T. W. FLYNN
PRESENTER: Derek Clewley

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AUTHORS: E. P. Mulligan, T. Dickson, M. Khazzam
PRESENTER: Edward Mulligan
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AUTHORS: E. Sinish
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PRESENTER: Jonathan Washatka

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PRESENTER: Joseph Day

The Impact of Scapulothoracic Exercise Training on Individuals with Shoulder Pain: An EMG and Kinematic Investigation

AUTHORS: L. E. Jacobs, T. P. Ebert, N. Fessler, A. Evans, J. L. Staker, P. M. Ludewig
PRESENTER: Laura Jacobs

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AUTHORS: A. Bertrand, K. Mastin, B. Rader, M. Standage, T. Sneed
PRESENTER: Matthew Standage
McKenzie Approach in Management of a Female with Chronic Shoulder Pain: A Case Study
AUTHORS: M. M. Kraus, A. Smith, S. Bossman
PRESENTER: A. Russell Smith

Can the amount of exercise impact outcomes in the presence of shoulder pain?
AUTHORS: M. Kayajanian, L. N. Marinko
PRESENTER: Michael Kayajanian

In pectoralis major ruptures, does surgical or nonsurgical intervention produce better strength outcomes: A Systematic Review
AUTHORS: N. Church, C. Nattier, M. Stemple, T. Sneed
PRESENTER: Nathan Church

AUTHORS: P. Salamh, M. J. Kolber, E. J. Hegedus, C. E. Cook
PRESENTER: Paul Salamh
Confidence of physical therapists’ diagnostic clinical decision-making using special tests during a shoulder evaluation: A qualitative study.

AUTHORS: R. Cummings, D. Davey, B. Myers, A. Keil

PRESENTER: Ryan Cummings

Scapular muscle onset activation during arm elevation in individuals with subacromial pain syndrome.

AUTHORS: S. Sharma, M. Timmons, L. A. Michener

PRESENTER: Sapna Sharma

Test-Retest Reliability of the Sports and Performing Arts Module of the Disability of the Arm, Shoulder and Hand Questionnaire

AUTHORS: S. Muth, D. Bresticker, E. Dalrymple, D. Snyder

PRESENTER: Stephanie Muth

The Clinical Management of Shoulder Pain and the SICK Scapula in the Female Overhead Athlete: A Case Series Report

AUTHORS: T. E. Cappadona, D. Yake, Z. E. Walston, C. Johnson

PRESENTER: Taryn Cappadona

Electromyography activation of the shoulder girdle muscles during abduction at different body orientation positions


PRESENTER: Traci Bush
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AUTHORS: T. Morel, T. Croy, B. Tragord, S. W. Shaffer

PRESENTER: Tracy Morel

*Orthopaedics - Spine*

Manual Therapy For Non-Cardiac Related Chest Wall Pain: A Case Report

AUTHORS: A. Dill, M. O'Hearn, J. D. Clark

PRESENTER: Abby Dill

Current decision making of physical therapists in the management of patients with foot drop secondary to nerve root compromise due to acute lumbar disc herniation: a survey study.

AUTHORS: A. Wielechowski, A. Keil, K. Hamstra-Wright, Y. Chen

PRESENTER: Adam Wielechowski

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PRESENTER: AJ Lievre
Three Year Outcomes for Patients with Neck and Back Pain Participating in an Optimized PT Management Program

AUTHORS: C. A. Thigpen, T. R. Denninger, A. Bell, C. E. Cook, T. McHenry

PRESENTER: Allison Bell

The effect of dry needling on spinal muscle function, pain, and disability in individuals with mechanical low back pain: A double-blind randomized controlled trial using shear wave elastography.

AUTHORS: A. Weaver, S. Koppenhaver, T. Randall, R. Hollins, L. Proulx, B. A. Young, J. Hebert, C. Fernández de las Peñas

PRESENTER: Amelia Weaver

Body Functions, Activity Limitations and Participation Restrictions in patients with chronic low back pain who choose to undergo lumbar spine surgery.

AUTHORS: A. V. Lubetzky, Y. Masharawi, D. Harel, J. Burr, T. Errico, J. Bendo, M. Moffat

PRESENTER: Anat Lubetzky

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AUTHORS: A. D. Lynch, A. M. Bove, M. J. Schneider

PRESENTER: Andrew Lynch
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AUTHORS: A. Nogueras, T. Harrison, J. Beneciuk

PRESENTER: Antonio Nogueras

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AUTHORS: B. Buzzell

PRESENTER: Bethany Buzzell

The Relationship between Thoracic and Lumbar Spine Repositioning Error in Asymptomatic Young Adults

AUTHORS: B. Baranyi, B. Myers, A. Keil, D. Davey

PRESENTER: Brian Baranyi

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AUTHORS: C. C. Franck, J. Jicinsky, A. Emerson Kavchak

PRESENTER: Carla Franck

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AUTHORS: C. L. Ubben, A. Kim, A. Dalbo, M. Eldridge, C. E. Cook

PRESENTER: Chad Cook
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AUTHORS: B. A. Young, C. M. Kasprisin, M. Merriam, R. McNeal, C. Harms, E. Painter, M. E. Lester, S. Koppenhaver
PRESENTER: Christine Kasprisin

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AUTHORS: C. H. Wise
PRESENTER: Christopher Wise

The relationship between clinically observed aberrant motion and gluteal strength in young patients presenting to physical therapy with low back pain

AUTHORS: C. McKeone, M. V. Paterno
PRESENTER: Claire McKeone

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AUTHORS: D. S. Davis, M. Priestas, E. Hargreaves, S. Piatt, C. Anderson, S. Armitage
PRESENTER: Duane Davis
Hand Dominance and Posture: A Study of Handedness Patterns in Posture Analysis
AUTHORS: E. Oakley, N. Appelhans, A. Jamel, M. Griffin, L. Murphree-James
PRESENTER: Elizabeth Oakley

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PRESENTER: Emily Ellerbrock

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PRESENTER: Eric Folkins

Measuring Lumbar Mobilization with Inertial Measurement Unit
AUTHORS: F. Mehyar, S. Wilson, V. S. Staggs, K. Aoyagi, N. K. Sharma
PRESENTER: Fahed Mehyar

Discriminative and reliability assessment of paraspinal muscle cross-sectional area measurements from magnetic resonance images of persons with low back pain in novice examiners: a new clinical measure
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PRESENTER: George Beneck*
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AUTHORS : G. J. Beneck, C. Hippensteel, J. Byers
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Does sleep quality moderate the relationship between pain intensity and healthcare utilization? Longitudinal analysis from a cohort of patients with low back pain

AUTHORS : H. Lee, D. Rhon, V. Mysliwiec, E. O'Hagan
PRESENTER: Hopin Lee

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PRESENTER: James Youdas

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AUTHORS : J. Callahan, M. Beninato, M. O. Olufisayo, U. Mehta
PRESENTER: Janet Callahan
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AUTHORS: J. Beneciuk, S. George
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AUTHORS: J. Dee, S. Henry
PRESENTER: Justine Dee

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AUTHORS: K. M. Lindegren, K. Bastian, R. McHugh, C. J. Kovacs, M. V. Paterno
PRESENTER: Kari Lindegren

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AUTHORS: M. M. Munster, J. Brismee, P. S. Sizer, B. M. Madi Dewan, K. Browne, S. Sobczak

PRESENTER: Michelle Munster

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AUTHORS: M. D. Long

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PRESENTER: Neena Sharma*


AUTHORS: P. S. Knickerbocker

PRESENTER: Pamela Knickerbocker

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PRESENTER: Ryan Bean

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AUTHORS: S. Pheasant, R. Haydt, T. Gottstein, A. J. Grasso, N. M. Lombard, B. L. Stone

PRESENTER: Steven Pheasant
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AUTHORS: W. G. Seymour, T. J. Manal
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*Sports Physical Therapy - Foot/Ankle*

Comparison between single and double upright ankle braces on ankle range of motion, functional performance, and satisfaction of brace characteristics
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AUTHORS: K. Dierker, E. Levay, J. A. Brosky, R. Topp
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PRESENTER: Marie Johanson

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AUTHORS: M. Bovich, S. Epsley, M. Vita, M. Schladen

PRESENTER: Miriam Bovich

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AUTHORS: T. J. Cuddeford, J. Houck, J. Brumitt

PRESENTER: Tyler Cuddeford

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PRESENTER: Brittany Lynch

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AUTHORS: C. Boone, S. Perez-Rivera, J. Tacher

PRESENTER: Soliz Perez-Rivera

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AUTHORS: D. Williams, J. Morgan

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AUTHORS: G. B. Crosswell, D. Williams

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PRESENTER: Michele Kunde

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AUTHORS: R. Wayner, K. Yu
PRESENTER: Robert Wayner

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AUTHORS: A. Fleer, R. Benoit, T. Calvert, J. Schulte, S. Lesh
PRESENTER: Ryan Benoit
Barefoot Training Drills as Part of a Dynamic Warm-Up Reduces Initial Vertical Peak Ground Reaction Force in Novice Runners

AUTHORS: S. Harms, A. Waldhelm, J. González, K. A. Williamson, T. N. Ward
PRESENTER: Skyler Harms

Real-time running cue reduces exercise-related transient abdominal pain in a 5-year-old runner

AUTHORS: Y. Matsuzaki
PRESENTER: Yukiko Matsuzaki

Sports Physical Therapy - Shoulder/Elbow

Fast pitch softball alters scapular kinematics: A pilot study

AUTHORS: A. Dashottar, J. Haney, H. Vaux, K. Hammerstorm, J. Field
PRESENTER: Amit Dashottar

The influence of competitive sport type on flexibility, injury and fall risk in aging athletes

PRESENTER: Becca Jordre

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AUTHORS: S. Grams, B. Nahlik
PRESENTER: Brynn Nahlik
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AUTHORS: C. Vrbas, W. Boldrini, B. Hansen, J. Holland, J. Zeiner, R. Manske
PRESENTER: Brooke Hansen

A Comparative Analysis of the Preseason Performance Characteristics of Division III Collegiate Softball and Baseball Players.
AUTHORS: D. Schilling, A. Elazzazi, A. J. Mallace
PRESENTER: David Schilling

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AUTHORS: N. Talbott, D. Witt, K. Braunig, L. Siemer
PRESENTER: Dexter Witt

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AUTHORS: E. Greenberg, T. Lawrence, A. Fernandez-Fernandez, P. W. McClure
PRESENTER: Elliot Greenberg

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AUTHORS: J. B. Candler, S. George
PRESENTER: Jason Candler

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PRESENTER: Jean Timmerberg

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AUTHORS: K. S. Shea, S. Moore-Reed, L. J. Pryor, K. Brass, B. Singh
PRESENTER: Kate Shea
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AUTHORS: M. D. Rutland, M. R. Hinman, C. Bruton, R. Loney, J. Rawlings, B. Shults
PRESENTER: Marsha Rutland

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PRESENTER: Michael Mullaney

Kerlan-Jobe Orthopaedic Clinic Shoulder and Elbow Scores (KJOC) differ between college baseball pitchers who have had prior injury and those who have not.
AUTHORS: P. Chasse, G. Bullock, A. C. Schmitt, B. Little, L. Diehl, R. J. Butler
PRESENTER: Patrick Chasse

Medial Elbow Joint Space Assessment During Shoulder ER and IR in Various Forearm Positions Using MSK US
AUTHORS: R. L. Smith, M. Presnell, R. Yoo
PRESENTER: Rose Smith

Bilateral comparison of upper extremity peak force during isokinetic closed kinetic chain pushing in adults with healthy shoulders
AUTHORS: S. R. Snyder, M. Pierce, R. Putman, L. E. Thomas, T. Cowart, N. Henderson, F. A. Glenn, B. L. Riemann, G. J. Davies
PRESENTER: Sara Snyder
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PRESENTER: Tamara Cowart

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Head Linear and Rotational Forces and the Relationship to Sub-concussive Hits in the Professional Lacrosse Player

AUTHORS: A. Thomas

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PRESENTER: Andrew Lodato

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AUTHORS: B. S. Lee, S. Turner, J. Garrison, A. Anzalone, J. M. Oliver, D. Blueitt

PRESENTER: Bobby Jean Lee
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PRESENTER: Damien Jackson-Ricketts

A Systematic Review: Does Neck Strength Play a Role in the Prevention of Sports Related Concussion?

AUTHORS: K. Turner, K. Geifer, S. Lesh

PRESENTER: Katie Turner

Normative Data for Clinical Tests of Core Stability

AUTHORS: R. N. Green, C. M. Sullivan, C. Butowicz, S. P. Silfies

PRESENTER: Rachelle Green

Comparison of Core/Trunk Functional Symmetry and Limb Dominance in Division I Female Tennis Players

AUTHORS: R. P. Rice, M. Raya, I. A. Gaunaurd, L. A. Feigenbaum, L. P. Cahalin

PRESENTER: Robyn Rice

Miscellaneous

Dorsiflexion Mobility Impairments and the Regional Interdependence Implications on Fundamental Movement Patterns

AUTHORS: S. J. Pettineo, M. E. Lehr

PRESENTER: Steven Pettineo
A Combined Treatment Approach Emphasizing Impairment-Based Manual Therapy and Exercise for Hip-Related Compensatory Injury in Elite Sport: A Case Series

AUTHORS: S. Short, G. Short, D. Strack
PRESENTER: Steven Short

A case study illustrating the benefits of combining high intensity interval treadmill training with reciprocal arm swing in enhancing functional recovery in a patient after brain tumor resections.

AUTHORS: A. Hubregsen
PRESENTER: Andrew Hubregsen

Management of Mobility Deficits and Shoulder Pain in a Patient with Breast Cancer

AUTHORS: M. Parekh, C. P. Hensley, M. C. Kolski
PRESENTER: Meera Parekh

Utilization of an Instrumented Cane in a Neurological Physical Therapy Clinic

AUTHORS: P. J. Flemming
PRESENTER: Patricia Flemming

Group 3: Saturday, February 18

Home Health

3001
The Effect of Cognitive Task Distraction vs. Augmented Reality Technology Distraction on Gait Parameters and Dynamic Balance of Adults

AUTHORS: R. J. Henderson, S. Yalla, V. DiViero, A. Dorko, K. Foster, A. Frederiksen, E. Schweke, J. Stevenson

PRESENTER: Roberta Henderson

3002
The Effects of Physical Therapy on Quality of Life in Adult Patients on Hospice or Palliative Care: A Systematic Review.

AUTHORS: T. L. Collins, S. Gilman, J. Grenaldo, D. Principe, G. Scarpelli

PRESENTER: Tracey Collins

3003
Patient Quality of Life and Satisfaction Outcomes in Home-Based Cardiac Telerehabilitation Versus Other Settings: A Literature Review

AUTHORS: G. Pierce, D. Principe, T. L. Collins

PRESENTER: Tracey Collins

3004
Patient Satisfaction in Older Adults using Telerehabilitation in Home Health: A Systematic Review

AUTHORS: T. L. Collins, D. Principe, G. Pierce

PRESENTER: Tracey Collins

Neurology - Brain Injury SIG

3005
Physical Therapy Service Utilization and Outcomes for Youth with Concussion

AUTHORS: J. Hugentobler, A. Lennon, M. C. Sroka, B. Kurowski, I. Gagnon, C. Quatman-Yates
3006
Safety and Tolerability of Physical Therapy Following Concussion: a Retrospective Analysis
AUTHORS: A. Lennon, J. Hugentobler, M. C. Sroka, B. Kurowski, I. Gagnon, C. Quatman-Yates
PRESENTER: Jason Hugentobler

3007
Ready to Be Steady: Correlation of balance measures used in traumatic brain injury rehabilitation.
AUTHORS: C. Tefertiller, A. Natale, K. Hays, D. R. O'Dell
PRESENTER: Candy Tefertiller

3008
Post-Concussion: Is Convergence Insufficiency Related to Balance Impairments?
PRESENTER: Denise Gobert

3009
Body Weight Supported Treadmill Training and Robotic Interventions in Patients with TBI: A Systematic Review
AUTHORS: D. W. Klima, A. Georgiou, G. Morgan, A. Davis
PRESENTER: Dennis Klima

3010
Reliability and feasibility of the JFK Coma Recovery Scale–Revised (CRS-R) in the acute care setting
AUTHORS: E. Anderl, C. P. Da Silva
PRESENTER: Elizabeth Anderl
3011


PRESENTER: Gabriele Moriello

3012
Child with traumatic brain injury improved gait abilities following intervention with pediatric motor-assisted elliptical training: A case report


PRESENTER: Guilherme Cesar

3014
Stress Reduction Techniques for the Treatment of Brain Injury: A Systematic Review


PRESENTER: Jennifer Parent-Nichols

3015
A comparison of the Developmental Eye Movement Test to the King-Devick Test in 4 to 35 year olds.

AUTHORS: J. Heick, C. Bay, T. Valovich McLeod

PRESENTER: John Heick

3016
High Intensity Interval Training in a Young Adult Male with Chronic Traumatic Brain Injury and Impact on Functional Recovery

AUTHORS: K. RUSSETT

PRESENTER: KATHERINE RUSSETT
Examination of Vestibulo-Ocular Dysfunction and Recovery in Adolescent and Collegiate Athletes Post-Concussion: A Case Series

AUTHORS: K. N. Stone, D. J. Lott, S. Z. Sutton
PRESENTER: Kelly Stone

A Comprehensive Approach to Balance Rehabilitation Following Mild Traumatic Brain Injury: A Case Report

AUTHORS: K. Baasch, P. Spigel, H. E. Foster
PRESENTER: Kimberly Baasch

Inertial sensor-based assessment of central sensory integration for balance after concussion

AUTHORS: G. Gera, J. Chesnutt, L. A. King
PRESENTER: Laurie King

Delirium in Patients with CVA – Increasing Treatment Team Awareness

AUTHORS: M. G. Fischer, M. Newkirk, K. L. Josef
PRESENTER: Marie Newkirk

Use of Balance Outcome Measures Among Physical Therapists in the Traumatic Brain Injury Population

AUTHORS: M. F. Lyon, P. B. Gleeson
PRESENTER: Marissa Lyon
3022
The Effects of Physical Therapy and Transcranial Low-Level Laser Therapy in Post-Concussion Syndrome: A Case Study
AUTHORS: N. Gonzalez, M. Sawtelle
PRESENTER: Nelson Gonzalez

3023
Effect of axial weighting on burden of care and mobility after traumatic brain injury: A case report
AUTHORS: R. Reoli, M. A. French
PRESENTER: Rachel Reoli

3024
The Effect of Sport-specific Dual Task on Gait Apraxia in an Older Athlete with Acquired Brain Injury: A Case Study
AUTHORS: R. F. Skolky, R. Reoli
PRESENTER: Rachel Skolky

3025
Aggressive Mobilization in a Minimally Conscious State: A Case Report
AUTHORS: S. Balkan, P. Spigel, J. Fernandez, C. L. Beaulieu, H. E. Foster
PRESENTER: Staci Balkan

3026
Effect of cumulative head impacts on postural control in college soccer athletes
AUTHORS: T. E. Leahy, T. G. Bowman, K. M. Breedlove
PRESENTER: Theresa Leahy
AUTHORS : A. Chou, D. Kao
PRESENTER: Aileen Chou

Gait transition from locked knee-ankle-foot orthoses (KAFOs) to stance control orthoses (SCOs) in a patient with post-polio syndrome: A Case Study.
AUTHORS : A. N. Hudson, V. Rocha, D. Meyer, M. Deaton, A. Mullen, A. Ortiz
PRESENTER: Amanda Hudson

Efficacy of LSVT BIG, Rock Steady Boxing and traditional exercise on gait and functional mobility in patients with Parkinson's disease: A systematic review
PRESENTER: Ann Coventry

Efficacy of a Community-Taught Aquatic Therapy Program for Individuals with Parkinson Disease
AUTHORS : A. Dupre, J. B. Hulme, M. Bisconti, W. Harris, C. E. Johnson, A. Lamb, L. Lee, R. Letrero, G. Phaneuf, L. M. Portis
PRESENTER: Anne Marie Dupre
3031

Changes in gait kinematics during the Two Minute Walk Test under dual task conditions in individuals with Parkinson’s disease

AUTHORS: A. B. Rosenfeldt, A. Penko, T. Dey, A. Bazyk, M. C. Streicher, J. Alberts

PRESENTER: Anson Rosenfeldt

3032

Vestibular deficit in Charcot Marie Tooth disease

AUTHORS: A. N. Dennis, A. Fangman

PRESENTER: Ashley Dennis

3033

Use of Repetitive Transcranial Magnetic Stimulation (rTMS) with Boxing Sequences to Combat the Progression of Parkinson’s Disease: A Case Report

AUTHORS: A. I. Merica, K. M. Johnson, L. C. Riggioni

PRESENTER: Athena Merica

3034

The Visual Detection of Doorway Affordances in People with Parkinson Disease

AUTHORS: B. Sidaway, A. Aaroe, M. Albert, G. Desrosiers, C. Morell, J. A. Stuart

PRESENTER: Ben Sidaway

3035

Effects of a Five-Week Multimodal Wellness Program on the Quality of Life and Functional Mobility of Individuals with Multiple Sclerosis: A Pilot Study


PRESENTER: Brianna Anderson
3036

Accuracy of consumer based accelerometers in persons with Parkinson Disease


PRESENTER: Chelsea Macpherson

3037

Exploring the relationship between disease severity, executive function, and a dual task paradigm in people with Parkinson’s disease

AUTHORS: C. M. Criminger, C. Swank

PRESENTER: Christina Criminger

3038

Improving Functional Mobility and Independence in a Patient with Stiff-Person Syndrome: A Case Report

AUTHORS: C. Popp, P. Spigel, H. E. Foster

PRESENTER: Christina Popp

3039

Prescription and Implications of Power Wheelchair Mobility in a Complex Case of Charcot-Marie-Tooth Disease

AUTHORS: C. Craven

PRESENTER: Courtney Craven
Feasibility of peer coaching to increase physical activity in people with Parkinson disease
AUTHORS: C. Colon-Semenza, N. Latham, L. Quintiliani, N. A. Sullivan, T. Ellis
PRESENTER: Cristina Colon-Semenza

The Effects of Body Weight Support Treadmill Training on Gait Kinematics of an Individual with Juvenile Onset Huntington’s Disease: A Case Report.
AUTHORS: D. Dirstine, O. G. Gallardo
PRESENTER: Darlene Dirstine

Not just an orthotic device: Use of torso-weighting can improve motor ability assessed with weights off in pilot test of people with multiple sclerosis
PRESENTER: Diane Allen

Improved interlimb coordination in walking in people with Parkinson’s disease using an arm swing cuing device
PRESENTER: Elizabeth Thompson

Association between physical activity behavior and cognitive function among adults with Parkinson’s disease
AUTHORS: E. Ulanowski, M. Danzl, P. D. Loprinzi, C. A. Paydo
PRESENTER: Elizabeth Ulanowski
The effect of six minutes of walking on perceived fatigue and physical performance in people with multiple sclerosis: a systematic review


PRESENTER: Evan Cohen

The effect of fatigue on spasticity in Multiple Sclerosis. A randomized crossover study

AUTHORS: H. Karpatkin, M. Narovlianski, M. McDarby, I. Rimawi, B. C. Perez

PRESENTER: Herb Karpatkin

Effectiveness of a Community-Based Cycling Intervention for Parkinson’s Disease on Motor Symptoms and Quality of Life

AUTHORS: H. Tipp, M. Davis, T. Wu, V. Kotagal, K. Chou, R. D. Seidler, N. S. Miller

PRESENTER: Holly Tipp

Feasibility and Benefits of a Brief, Intense Exercise Program Targeting Balance, Gait, Endurance and Upper Extremity Function in Persons with Parkinson Disease: A Case Series


PRESENTER: Janet Readinger
3050
A Study of Patient Perceptions with Respect to Visual, Vestibular, Oculomotor Deficits, and Fatigue in People with Parkinson’s Disease.
PRESENTER: Jean Berliner

3051
Clinical Decision-making as Part of a Challenging Case: An Adult with Acute Stage Polymyositis
AUTHORS: J. B. Krug, J. O. Engel, A. Baker
PRESENTER: Jeffrey Krug

3052
The JFK BIG Study: The Impact of LSVT BIG on Dual Task Walking and Mobility in Persons with Parkinson’s Disease
PRESENTER: Jenifer Lazaro

3053
The JFK BIG Study: The Impact of LSVT-BIG on Fall Risk in Persons with Parkinson’s disease
PRESENTER: Jenifer Lazaro

3054
The Effect of Armrest Use with the Five Times Sit to Stand Test
AUTHORS: J. F. Greany, J. Budzien, K. A. Greany
PRESENTER: Jennifer Budzien
Comparison of the FGA and DGI in a Community-Based Exercise Program
AUTHORS: J. F. Greany, K. A. Greany, E. Hussey
PRESENTER: John Greany

Relationship between gait and reactive postural control in fallers and non-fallers with Parkinson disease
AUTHORS: K. J. Seidler, M. E. McNeely, R. Duncan, G. Earhart
PRESENTER: Katie Seidler

The Effects of AlterG® Treadmill Training on Locomotor Function in an Individual Diagnosed with the Miller-Fisher Variant of Guillain-Barré Syndrome
AUTHORS: K. Allegro, T. Nall, T. Williams, J. Lynskey
PRESENTER: Kelly Allegro

Professional Development Needs and Preferences of Physical Therapists and Physical Therapist Assistants Serving Patients with Multiple Sclerosis.
AUTHORS: K. Potter, A. Cummins, K. Evans, J. Kienstra, K. Lyon, K. Wellemeyer
PRESENTER: Kirsten Potter

Examining the therapeutic benefits of amplitude-oriented exercise in Myoclonic Epilepsy Ragged-Red Fiber syndrome: A case study
AUTHORS: L. Waddell, K. Barta
PRESENTER: Logan Waddell
3060
Does dual task treadmill walking activate spinal circuitry in people with Parkinson’s disease?
PRESENTER: Marcia Smith*

3061
Hand-held dynamometry and other clinical strength tests for the lower extremities and trunk in people with multiple sclerosis
AUTHORS: M. M. Manago, M. Schenkman
PRESENTER: Mark Manago

3062
Effectiveness of Exercise Program on Reducing Fatigue in Parkinson's Disease: A Systematic Review
AUTHORS: M. Henning, S. Myers, C. Ooton, J. Semaan, C. Bahner, R. Xia
PRESENTER: Mariah Henning

3063
Use of an Evidence-Based Circuit Training Program for a Patient with Myasthenia Gravis: A Case Study
AUTHORS: M. Eikenberry, J. M. Johnson
PRESENTER: Megan Eikenberry
Development and outcomes of a community-based golf and exercise program for people with Parkinson’s disease

AUTHORS: M. F. Veltman, E. Ulanowski, M. Danzl

PRESENTER: Megan Veltman

Effects of an Individualized Exercise Program on Psychosocial and Physical Factors in an Individual with Multiple Sclerosis: A Case Study

AUTHORS: N. Midden, W. Seiler, Z. Shaw, M. L. Peterson, B. Pratt

PRESENTER: Melissa Peterson

Falls are Related to Quantitative Motor, Cognitive and Dual-task Performance in Multiple Sclerosis

AUTHORS: M. Atalla, M. Nitta, J. Vollmer, N. E. Fritz

PRESENTER: Nora Fritz

Estimated clinically meaningful decline in Freezing of Gait Questionnaire and self-selected gait speed for individuals with Parkinson’s disease


PRESENTER: Rebecca Martin

Quality of life measures that detect clinically important decline in Parkinson’s disease


PRESENTER: Rebecca Martin
The Effect of Virtual Reality Training on Balance, Gait and Mobility in Persons with Parkinson’s Disease: A Systematic Review

AUTHORS: A. Arrow, J. Martzen, M. Montalbano, J. Moser, A. Tomlinson, R. M. Hakim

PRESENTER: Renee Hakim

Relationship between Exercise and Fatigue Level in People with Parkinson’s Disease


PRESENTER: RuiPing Xia

The Effects of Rhythmic Auditory Stimulation on Gait Characteristics in An Individual With Young-onset Parkinson Disease: A Case Study


PRESENTER: Rumit Kakar

The Effects of a Dynamic Balance and Core-Stability Program on Improving Functional Mobility and Decreasing Falls in a Person with Spinocerebellar Ataxia Type 3: A Case Report

AUTHORS: S. E. Garvin

PRESENTER: Sara Garvin
3073
Symptomology in Adults with Multiple Sclerosis in a Community-Based Free Clinic
AUTHORS: S. J. Migliarese, D. P. Molina-Henry, G. Nichols, J. Duncan
PRESENTATION: Sara Migliarese

3074
The Impact of LSVT BIG Training on Balance and Dual-task Performance on Individuals with Parkinson Disease: A Case Series
AUTHORS: S. Fishel, S. A. Brown, M. E. Hotchkiss
PRESENTATION: Sarah Fishel

3075
The effect of fatigue on sensory impairment in Multiple Sclerosis: A randomized crossover study
AUTHORS: S. DiCarrado, C. Bianchi, J. Karsten, A. McLoughlin, M. Rocchio, H. Karpatic
PRESENTATION: Stefanie DiCarrado

3076
Use of mobile technology to study physical activity levels and its diurnal variation in an individual with Parkinson disease – a case report
AUTHORS: S. Pradhan, V. E. Kelly
PRESENTATION: Sujata Pradhan*

3077
Comparison of Cardiorespiratory Fitness between Regular Group Exercisers with and without Parkinson Disease
AUTHORS: W. Meardith, Z. J. Pigg, L. R. Porch, S. Sutter, M. Beckley, S. A. Combs-Miller
PRESENTATION: William Meardith
Neurology - General

3079
Poor sleep quality in people with painful neuropathy
AUTHORS: M. Alshehri, A. Alenazi, S. Alothman, C. Siensukon, P. Kluding
PRESENTER: Mohammed Alshehri

3080
The Effect of Deep Neck Flexor Training on Dynamic Balance in an Individual with a Whiplash-like Injury: A Case Study
AUTHORS: B. Fitzpatrick, M. A. French
PRESENTER: Brianna Fitzpatrick

3081
Standardized Outcome Measures In the Clinic, How Standard Are You?
AUTHORS: B. Fitzpatrick, R. Reoli, D. Reisman
PRESENTER: Brianna Fitzpatrick

3082
The Temporal Relationship Between Stress and Spasticity
AUTHORS: R. J. Allen, C. Turner, B. L. Hannula, B. T. Gilkison
PRESENTER: Caitlin Turner

3083
Vibration tilt-table improves training performance in a wearable robotic exoskeleton: Two case observations for individuals with severe lower limb spasticity.
PRESENTER: Craig Newsam
Is Mirror Therapy more effective at reducing Phantom Limb Pain compared to other interventions?: A Systematic Review

AUTHORS: D. Chamberlain, H. Hollinger, A. Lovell, R. Mueller, H. Reid
PRESENTER: Deborah Chamberlain

Examination of Perceived vs. Actual Weight and Height of Full-Time Wheelchair Users

AUTHORS: E. Meade, R. M. Brown
PRESENTER: Elise Meade

Vibrotactile Feedback Improves Locomotor Function in Lower Extremity Amputees

PRESENTER: James Lynskey

The Feasibility of Tracking Strength Gains Using the Supine Hip Extensor Manual Muscle Test in a Neurological Population

AUTHORS: J. M. Kuettel, C. Sherlock
PRESENTER: Jamie Kuettel
High Level Mobility Training in a Patient Lacking Balance Reactions: a case of Chronic inflammatory demyelinating polyradiculoneuropathy (CIPD)

AUTHORS: J. M. De Simone
PRESENTER: Jenna De Simone

The Effect of Rhythmic Auditory Stimulation on Gait Outcomes in Adults with Non-Progressive CNS Diagnoses: A Systematic Review

AUTHORS: J. Cominsky, C. Joyce, S. Leschen, M. Raab, J. Schwartz, R. M. Hakim
PRESENTER: Jennifer Schwartz

A 4-week regular aerobic exercise regimen improves executive function and influences transcranial magnetic-based measures of intracortical inhibitory circuits— a preliminary and ongoing pilot study.

AUTHORS: J. Gomes-Osman, D. L. Ferreira Cabral, C. Hinchman, A. Pascual-Leone
PRESENTER: Joyce Gomes-Osman

Atypical eye movements and postural control in Autism Spectrum Disorders

AUTHORS: K. Green, H. L. Miller, L. Mattingly, N. Bugnariu
PRESENTER: Kaitlyn Green

Propofol Induced Myoclonus After IV Sedation: A Case Study

AUTHORS: K. Sibley, C. Swank
PRESENTER: Kathryn Sibley

AUTHORS: K. L. Kubota, V. Eberly, P. Requejo, S. J. Mulroy

PRESENTER: Kelley Kubota

Can physical therapy help a patient with proximal myotonic myopathy return to the gym?

AUTHORS: K. Smith

PRESENTER: Kim Smith

Reactive Lateral Step Treadmill Training for Paretic Limb Step Initiation in Chronic Stroke

AUTHORS: L. D. Hedman, K. Horn, M. Sayranian, M. Krifka, M. Wu, L. Martin

PRESENTER: Lois Hedman

Biomechanical and Functional Benefits of Central Power Wheelchair Drive Controls for an Adult with Cerebral Palsy

AUTHORS: M. G. Moore, A. Esquenazi, N. Greenberg

PRESENTER: Marcia Moore
Plasticity of Human Cortical Neuronal Circuits after Transspinal Direct Current Stimulation: A Single-Blind, Sham-Controlled, Randomized Crossover Study
AUTHORS: B. Tahayori, L. M. Murray, Z. Ahmed, M. Knikou
PRESENTER: Maria Knikou

Acute Physical Therapy Management of a Patient with Anti-N-methyl-D-aspartate receptor (NMDA) encephalitis: A Case Report
AUTHORS: M. Costello, K. Parlman, M. Beninato
PRESENTER: Meaghan Costello

Patient-centered outcomes for adults with neuromuscular impairments: a systematic review of equine assisted intervention
AUTHORS: M. Hope
PRESENTER: Mollie Hope

Yoga for Individuals with Essential Tremor
AUTHORS: N. A. Elliott, M. Danzl, E. Ulanowski
PRESENTER: Natalie Elliott

Endothelial Function and White Matter Microstructure are Associated with Executive Function in Older Adults
AUTHORS: N. Johnson
PRESENTER: Nathan Johnson
Effects of high frequency physical therapy with a community wellness program for a person with quadriplegicis: a case study

AUTHORS: O. O. Olagundoye, G. Brusola, D. P. Wingard
PRESENTER: Olutomi Olagundoye

Influence of Patient Beliefs about Recovery and Rehabilitation on Functional Outcomes

AUTHORS: K. Rede, J. Teslevich, M. Mueller, P. Williams
PRESENTER: Petra Williams

Cerebellar transcranial direct current stimulation interferes with corticospinal excitability during motor training

PRESENTER: Rebekah Summers
3106
Clinical training in Seating and Mobility
AUTHORS: R. M. Brown, P. J. Powers
PRESENTER: Renee Brown

3107
A high-intensity, periodic model of traditional and robotic therapy for an adolescent with left hemispherectomy: A case report.
AUTHORS: S. Kiseljak-Dusenbury, W. E. Alvarenga, T. A. Bisson
PRESENTER: Sonja Kiseljak-Dusenbury

3108
Use of an Online Asynchronous Web-Based Platform Discussion Board for Individuals Sitting for the Neurologic Clinical Specialist Examination
AUTHORS: S. Trojanowski, N. A. Riley, A. Williamson, M. C. Beato
PRESENTER: Suzanne Trojanowski

3109
The effect of the LSVT BIG Program on a patient with Progressive Supranuclear Palsy.
AUTHORS: T. F. Clark, H. J. Thompson, W. B. Dieter
PRESENTER: Torie Clark

3110
Use of the Ekso Bionics Exoskeleton Robotic Assisted Mobility Device with Acute Rehabilitation Patients: Preliminary Results
AUTHORS: V. A. Flaherty, C. Anderson, K. Ball, K. Furman
PRESENTER: Vanessa Flaherty
Exercise Program For A Patient With Sjögren’s Disease: A Complex Patient Case Study
AUTHORS : Y. Salem, C. Holmes, H. Liu
PRESENTER: Yasser Salem

Extra Functional Electrical Stimulation Cycling Practice for Patients with Non-Progressive Upper Motor Neuron Disorders in an Inpatient Rehabilitation Setting: A Feasibility Study
AUTHORS : Z. C. Crump, P. Carroll, L. Shuping, R. Hand
PRESENTER: Zachary Crump

*Neurology - Practice Issues*

The Role of the Physical Therapist in Health Promotion as Perceived by Patients with Neurological Pathologies: A Descriptive Study
AUTHORS : M. Ingman, H. Von Arb
PRESENTER: MarySue Ingman

*Neurology - SCI SIG*

Beneficial Effects of Repetitive Neuromuscular Activation on the Recovery from the Injury
AUTHORS : A. M. Abouelela, A. Wieraszko
PRESENTER: Ahmed Abouelela

AUTHORS: A. Chou, J. M. Fox
PRESENTER: Aileen Chou

Acute intermittent hypoxia: Effects on diaphragm activation and respiratory function in an individual with spinal cord injury

PRESENTER: Alison D'Alessandro

The use of vibration therapy for increasing bone architecture in patients with spinal cord injury: a systematic review and meta-analysis.

AUTHORS: A. K. Lorio, B. Yisrael, J. Connelly, E. Jackson
PRESENTER: Anne Lorio

The Effects of Body Weight Supported Treadmill Training on Gait Speed and Walking Capacity in Adult Spinal Cord Injury: An Umbrella Review

AUTHORS: B. Mitcham, M. Hammond, A. Maxwell, K. McCoy, A. Schepers, P. Vyas
PRESENTER: Breanne Mitcham
Effect of Unilateral Step Training on Walking Ability in an Individual with Spinal Cord Injury and Hemiparesis: A Case Study

AUTHORS: E. Anderl
PRESENTER: Elizabeth Anderl

Outcomes Following an Adaptive Rock Climbing Program in a Person with an Incomplete Spinal Cord Injury: A Case Report

AUTHORS: G. Moriello, B. DelGrande, M. Kurz, C. LaCopola, K. Sanicola
PRESENTER: Gabriele Moriello

Disability and environmental factors in spinal cord injured 2008 Wenchuan earthquake victims seven years after the disaster

AUTHORS: H. Li
PRESENTER: Hao Li

Gait training progression after incomplete tetraplegia

AUTHORS: J. M. Nesbit
PRESENTER: Jamie Nesbit

Reliability and Validity of the Functional Gait Assessment in Spinal Cord Injury

PRESENTER: Jennifer Kahn
The Effect of Mirror Therapy and Repetitive Task Training on Persons with Chronic Stroke

AUTHORS: J. Booth, S. Bondoc, M. DeSousa, J. Humphreys, K. Hammerton, G. Budde, K. Caruso, B. Earl

PRESENTER: Julie Booth

Ultrasound and Clinical Assessment of Supraspinatus Integrity in Manual Wheelchair Users with Various Duration of Spinal Cord Injury

AUTHORS: M. Finley, D. Ebaugh, T. Trojan

PRESENTER: Margaret Finley*

Clinical Recommendations for Exoskeletal Assisted Walking in the spinal cord injury population

AUTHORS: M. L. Kallins, P. Geigle

PRESENTER: Marni Kallins

The Effect of a Community Exercise Program on Functional Reach and Quality of Life in Community Dwelling Individuals with Spinal Cord Injuries

AUTHORS: M. Sliwinski, G. Akselrad, V. Alla, V. Buan, E. Kaemmerlen

PRESENTER: Martha Sliwinski
AUTHORS: M. M. Smith, K. V. Spencer, R. Tappan
PRESENTER: Martha Smith

Development of Clinimetric Properties of the Wheelchair Propulsion Test
AUTHORS: M. Smith, M. Holder, A. Andrews, S. Vallabhajosula
PRESENTER: Meredith Smith

Postural, Balance, and Pain Improvements in a Patient with Spinal Cord Injury in Response to Visceral Manipulation
AUTHORS: R. H. Holsinger, R. H. Martin
PRESENTER: Rebecca Holsinger

The National Center for Testing Treatments in Chronic Spinal Cord and Traumatic Brain Injury
AUTHORS: R. E. Cole, D. H. Kim, G. W. Hergenroeder, R. Laredo
PRESENTER: Rita Cole

Modified Locomotor Training Protocol Improves Gait Using a Novel Body Weight Support System and Orthoses
AUTHORS: S. A. Ostertag, R. L. Mizner
PRESENTER: Susan Ostertag
3133


AUTHORS: T. Drake, J. Mowder-Tinney

PRESENTER: Taylor Drake

3134

Eccentric Training Mitigates Persistent Motor Control Deficits and Improves Spinal Learning After Spinal Cord Injury.


PRESENTER: Timothy Faw*

Oncology

3137

Function and quality of life outcomes in patients following tumor related internal hemipelvectomy without reconstruction

AUTHORS: A. N. Penny

PRESENTER: Alexander Penny

3138


AUTHORS: A. J. Palmeri, J. Willacy, O. Yevdayev

PRESENTER: Amanda Palmeri
Reliability and Validity of Self-measured Arm Circumference

AUTHORS : B. S. Rafn, P. Camp, J. Midtgaard, M. L. McNeely, K. L. Campbell
PRESENTER: Bolette Rafn

Impact of Exercise on Cardiovascular Fitness and Quality of Life in Overweight/Obese Breast Cancer Survivors

AUTHORS : C. F. Stewart, F. C. Sweeney, K. Lee, N. Sami, L. McDonald, C. V. Haeussler, C. M. Dieli-Conwright
PRESENTER: Christina Stewart

Effect of Exercise on Age-related Differences in Quality of Life Among Breast Cancer Survivors

AUTHORS : C. V. Haeussler, L. McDonald, K. Lee, N. Sami, F. C. Sweeney, C. F. Stewart, C. M. Dieli-Conwright
PRESENTER: Claudia Haeussler

A Systematic Review of Literature: Does urinary incontinence associated with prostate cancer treatment improve when treated with pelvic floor physical therapy when compared to no physical therapy intervention?

AUTHORS : C. R. Matheny, S. Ellis, R. Dreier, A. Jones, S. Wilson
PRESENTER: Connie Matheny
3143

The Effects of Physical Therapy Interventions on Shoulder Function In Women Following Breast Cancer Treatment: A Pilot Cohort Study

AUTHORS: J. W. Seidell, L. Brophy, T. Turner, J. Maltese, J. S. Drouin

PRESENTER: Jacqueline Drouin

3144

Is Kinesiotape Effective in Reducing Upper Extremity Lymphedema in Women Following Breast Cancer Treatment? A Systematic Review and Meta-Analysis

AUTHORS: C. Zubiri, Z. Sarah, J. Lee

PRESENTER: Jeannette Lee

3145

Identification of Balance/Walking Problems and Falls Risk in Older Lung Cancer Survivors: Results from the Surveillance, Epidemiology, and End Results- Medicare Health Outcome Survey

AUTHORS: J. Blackwood, M. Huang, V. Johnson-Lawrence, M. Godoshian, L. A. Pfalzer

PRESENTER: Jennifer Blackwood

3146

Balance/Walking Problems and Falls Risk in Older Prostate Cancer Survivors: Results from Surveillance, Epidemiology, and End Results-Medicare Health Outcome Survey

AUTHORS: J. Blackwood, M. Huang, V. Johnson-Lawrence, M. Godoshian, L. A. Pfalzer

PRESENTER: Jennifer Blackwood

3147

Effects of an Individualized Home Exercise Program on Function and Quality of Life in Cancer Survivors


PRESENTER: Jill Mayer
Use of balance intervention and its positive effects on physical function after autologous stem cell transplant in a patient with multiple myeloma

AUTHORS: K. L. Davis
PRESENTER: Kayce Davis

Cardiac Autonomic Neuropathy in Survivors of Childhood Acute Lymphoblastic Leukemia: A Report from the St. Jude Lifetime Cohort Study

PRESENTER: Lindsey Christoffersen

The Value of the Pre-Operative Screening Process in Patients with Breast Cancer

AUTHORS: M. Jesse
PRESENTER: Mary Jesse
Participation in community-based multimodal exercise program in breast cancer survivors: the effect of start delay on physical function and quality of life.

AUTHORS: M. Foley, E. Kendall, S. M. Hasson

PRESENTER: Michael Foley

Factors Associated with Falls and Balance/Walking Problems in Older Survivors of Colorectal Cancer

AUTHORS: M. Huang, J. Blackwood, V. Johnson-Lawrence, M. Godoshian, L. A. Pfalzer

PRESENTER: Min Hui Huang

Factors Associated with Falls and Balance/Walking Problems in Older Breast Cancer Survivors

AUTHORS: M. Huang, J. Blackwood, V. Johnson-Lawrence, M. Godoshian, L. A. Pfalzer

PRESENTER: Min Hui Huang

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AUTHORS: N. M. Gell, M. L. Humble, M. Sexton

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AUTHORS: S. M. Sawyer

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AUTHORS: J. Kiwata, T. Andre, A. Khastoo, E. Schroeder, C. M. Dieli-Conwright

PRESENTER: Thomas Andre

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AUTHORS : J. J. Fraser, J. Hertel
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AUTHORS: G. B. Salsich, B. Yemm, A. Reitenbach, C. E. Lang, L. R. Van Dillen
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AUTHORS: H. Master, L. M. Thoma, O. Yost, M. B. Christiansen, R. Green, L. A. Schmitt, D. White
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AUTHORS: J. Esculier, R. W. Willy, M. Baggaley, S. A. Meardon, J. D. Willson
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AUTHORS: J. J. Bagwell, L. Bauer, M. Gradoz, T. L. Grindstaff
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AUTHORS: T. Cox, L. J. Hibma, W. Frevert, J. Kalinowski

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PRESENTER: Lisa Hoglund

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AUTHORS: M. Gradoz, L. Bauer, T. L. Grindstaff, J. J. Bagwell

PRESENTER: Marissa Gradoz

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AUTHORS: M. Dreger, L. A. Schmitt, A. O. Giordano

PRESENTER: Melissa Dreger

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AUTHORS: M. Dolphin, A. Rufa, G. Brooks

PRESENTER: Michelle Dolphin

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AUTHORS: M. M. Chan, E. Hernandez, S. Sigward

PRESENTER: Ming-Sheng Chan

Comparative Effects of Mirror Squat Exercise and Hip Strengthening Exercise on Patellofemoral Pain Syndrome

AUTHORS: P. Joo-Hee, S. Kang, H. Jeon

PRESENTER: Park Joo-Hee
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AUTHORS: R. McKinley, K. Robertson, P. Kline, B. Noehren

PRESENTER: Rachelle McKinley

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AUTHORS: R. Haydt, K. D. Freeman, Z. Bottone, J. Farrales, J. E. Hunt

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AUTHORS: M. Selhorst, W. Rice, M. J. Jackowski, T. Degenhart, D. Wessells

PRESENTER: William Rice
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AUTHORS: W. G. Seymour, K. Manal, T. J. Manal

PRESENTER: William Seymour

Patients with A Fall History Have Worse Function and Strength Before and After Knee Arthroplasty.

AUTHORS: Y. Yoshida, A. R. Marmon, J. Zeni

PRESENTER: Yuri Yoshida

Morphology and contractile properties of the rectus femoris muscle during various tasks performed by healthy adult subjects

AUTHORS: Z. Christopherson, A. Lake, H. Myers, C. Martinez, R. J. Butler, C. E. Cook

PRESENTER: Zachary Christopherson

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The Association Between Deep Neck Flexor Endurance and Desktop Computing Postures in College Students


PRESENTER: Andi Beth Mincer

The Association of the Functional Movement Screen™ and Single Leg Hop Tests with Musculoskeletal Injury in Firefighter Recruits.

AUTHORS: C. Manton, B. Erbe, J. S. Iyo, K. Randau, L. Street

PRESENTER: Cory Manton
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AUTHORS: D. Flint, T. Sedgwick, N. Stephens
PRESENTER: Douglas Flint

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AUTHORS: M. C. Swift, J. K. Loudon, B. M. Becker, G. Greaves, M. Reardon, J. Reinhard
PRESENTER: Marcie Swift

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AUTHORS: A. Radwan, S. Bernardin, N. Ball, S. Simmons, J. C. Prims
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PRESENTER: Adam Rufa
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AUTHORS: B. Barrie
PRESENTER: Brittney Barrie

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AUTHORS: C. S. Enriquez
PRESENTER: Carla Enriquez

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AUTHORS: C. Duff, M. Flores
PRESENTER: Cassie Duff

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PRESENTER: Colleen Robinson

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AUTHORS: D. Neeley, K. Minick
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PRESENTER: Dullen Kristen

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AUTHORS: G. Berardi, J. M. Elliott, D. M. Walton

PRESENTER: Giovanni Berardi

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AUTHORS: J. M. McGaugh, M. D. Ferguson

PRESENTER: Janna McGaugh

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AUTHORS: B. J. Eckenrode, T. Chadwick, J. Gardner, L. Nederostek

PRESENTER: Justin Gardner
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AUTHORS: K. Dunleavy, C. W. Gay, M. Bishop
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AUTHORS: M. Nunez
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AUTHORS: M. L. Wong, J. P. Gonzalez, N. Treto, C. A. Miller, K. Espinosa, L. P. Cahalin
PRESENTER: Marlon Wong

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AUTHORS: M. D. Ferguson, J. M. McGaugh
PRESENTER: Memrie Ferguson
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PRESENTER: Scott Stackhouse*

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Low-cost gait trainer facilitates stepping, reduces burden: An outcome of international service-learning

AUTHORS: L. N. Tobias, A. Lennon, C. Duhart, A. Borstad
PRESENTER: Alexandra Borstad

Effects of Maternal Exercise on Infant Neuromotor Skills at One Month of Age

AUTHORS: A. McMillan, G. L. Gower, L. E. May
PRESENTER: Amy Gross McMillan*

Identification of factors that influence physical activity participation in 4 to 2-year old children with Down syndrome in Puerto Rico

AUTHORS: A. Font-Rivera, A. Fernandez-Fernandez
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PRESENTER: Anastasia Zarkou
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AUTHORS: A. Nunez-Gaunaurd, L. A. Jaffe, M. Radlein, I. A. Gaunaurd, M. Raya
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AUTHORS: A. M. Ziegltrum, L. Hsu, T. Jirikowic, S. W. McCoy
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PRESENTER: Brenda Pratt

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AUTHORS: C. K. Sumida

PRESENTER: Carie Sumida

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AUTHORS: C. Beegle, A. Rollins, J. Tyra, Y. Chen, S. Garcia-Vergara, A. Howard

PRESENTER: Caroline Beegle

The Validity of Pedometers Used with Children with Idiopathic Toe Walking.

AUTHORS: C. Christensen, A. Haddad, E. Maus

PRESENTER: Catie Christensen
Reliability and Validity of a Clinically Feasible Outcome Measure for Children with Idiopathic Toe Walking.

AUTHORS: C. Christensen, A. Haddad, E. Maus
PRESENTER: Catie Christensen

Zika virus epidemic in Brazil: Physical therapy evaluation findings of 88 infants with microcephaly

AUTHORS: C. H. Gaspari, A. Jaccoud, F. F. Vilela
PRESENTER: Clara Gaspari

Loss of spontaneous forearm supination is seen at 4-6 weeks post term age in infants later diagnosed with unilateral cerebral palsy

AUTHORS: C. Peyton, C. Vogel, M. Schreiber
PRESENTER: Colleen Peyton

Goal-Directed Leg Movements and Kicks in Infants with Spina Bifida (SB)

AUTHORS: D. D. Chapman
PRESENTER: David Chapman

AUTHORS: D. Fay, S. Cardenas, T. Koivuniemi-Berg, S. Werkau

PRESENTER: Deanne Fay

Health and Wellness Practices in the School System

AUTHORS: D. A. George, V. Allen, S. Silone, K. Slomski, E. Summerhill, N. Williams

PRESENTER: Deborah George

Systematic Review of Selected Outcomes, Complications, and Postoperative Considerations Among Surgical Interventions for Scoliosis in Children with Cerebral Palsy

AUTHORS: D. P. Miller, J. Lolli, C. McMahon, J. Merino, M. Nevers

PRESENTER: Debra Miller

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PRESENTER: Donovan Lott*
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AUTHORS: E. A. Cross
PRESENTER: Elizabeth Cross

Test of Arm Selective Control: A validated clinical tool for cerebral palsy
AUTHORS: T. Sukal-Moulton, E. Cameron, E. Byrne, S. Murphy, A. Robertson, K. Warner, K. J. Krosschell
PRESENTER: Erin Cameron

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AUTHORS: G. Paleg, R. Livingstone
PRESENTER: Ginny Paleg

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PRESENTER: Jasmine Seider

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AUTHORS: J. B. Christy, R. M. Rine, D. McCaslin

PRESENTER: Jennifer Christy

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AUTHORS: J. Tucker, S. Rogal, M. Miley, J. Hess

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AUTHORS: K. Grinde, J. Myhre

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An Inclusive Aquatic Exercise Program as an Adjunct to Early Intervention Services in Young Children with Disabilities


PRESENTER: Kathryn Oriel
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AUTHORS: K. S. Martin, M. Allen, K. Gogel, H. Kelzer, L. Moffett
PRESENTER: Kathy Martin

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AUTHORS: K. Engel, J. Norling
PRESENTER: Katie Engel

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AUTHORS: K. Mattern-Baxter
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AUTHORS: K. I. Steenbergen, K. Furgal, E. Krimple, B. Perkins
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AUTHORS: L. Del Rossi, P. Q. McGinnis, M. Pawlowska, M. L. Padden-Denmead, M. Kientz
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Comparison of Sensory Attention for Balance in Children with Typical Development and Healthy Young Adults
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PRESENTER: Lynn Jeffries

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AUTHORS: M. Oledzka
PRESENTER: Magdalena Oledzka

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AUTHORS: M. M. Gutierrez
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AUTHORS: S. E. Funderburg, H. E. Josephson, A. A. Price, M. A. Russo, L. E. Case
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AUTHORS: M. E. Selthafner, K. Hong
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PRESENTER: Melanie Becnel
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AUTHORS: M. M. Tovin, S. Simoes, G. Lyke, M. Morales, G. Alban

PRESENTER: Melissa Tovin

Lived experiences of parents with children with autism spectrum disorders: Parental perceptions of physical activity.

AUTHORS: M. Stewart, K. Wynarczuk, R. Aiello

PRESENTER: Meredith Stewart

Botox and treadmill training on function and gait for an adolescent with CP GMFCS III.

AUTHORS: P. DiBiasio, A. Osgood, S. Vallabhajosula

PRESENTER: Paula DiBiasio

Antigravity movements and gross and fine motor skills in infants with and without motor delay


PRESENTER: Rachel Bican
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PRESENTER: Rachel Unanue Rose

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The relationship of eye movement to exploration and functional problem solving in infants with neuromotor disorders

AUTHORS: R. T. Harbourne, A. Kane, A. Schriefer

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PRESENTER: Robin Schlosser
Inter-rater reliability of rearfoot pronation and its relationship to gait and footprints as typically developing children age from 3 to 7 years old

AUTHORS: S. A. Ross, C. Neuner, A. Essenpreis, A. Wengert, A. Glover, A. Reis
PRESENTER: Sandy Ross

Does implementation of a school-based physical activity program alone reduce body mass index in children with obesity?

AUTHORS: S. A. Jones, B. Blaser, H. Toombs, D. Wahl
PRESENTER: Sarah Jones

Heart Rate Zone Analysis of Children with Cerebral Palsy Who Attend an Adapted Sports Camp

AUTHORS: S. Lehman, S. K. Hickey, J. Miros, S. A. Scholtes
PRESENTER: Sarah Lehman

Multi-disciplinary Approach Increases Successful Outcomes for Patients with Congenital Muscular Torticollis and Deformational Plagiocephaly

AUTHORS: S. A. Gaetani, R. A. Fenton
PRESENTER: Susan Gaetani

Improving Outcome in Correction of Pectus Excavatum with an Individualized Pre-operative Physical Therapy Program

AUTHORS: S. A. Denninger
PRESENTER: Susan Denninger
Capturing Threshold Behaviors and Transitions During Development of Prone Locomotion Using Vediography

PRESENTER: Emily North

Postural Control And Movement Proficiency In Infants With And Without Cerebral Palsy Using The Self Initiated Prone Progression Crawler-2

PRESENTER: Nana Safoah Twum-Ampofo

Barriers to Intensive Pediatric PT in Rural Southeastern Ohio: A Parent Survey

AUTHORS: T. Gillogly, P. Koehl, T. McLean, J. Howman
PRESENTER: Tobe Gillogly

NeuroGame Therapy for the Improvement of Ankle Control in Children with Cerebral Palsy

AUTHORS: T. J. Gilbertson, S. W. McCoy, K. Bjornson, A. Coombs, R. Price, C. Moritz
PRESENTER: Torey Gilbertson

The Impact of a Fifty Pound Weight Loss on Metabolic Syndrome Severity in a Female Adolescent

PRESENTER: Zachary Vandenberg
Partial Range of Motion One-Repetition Maximum Testing of the Quadriceps Identifies Strength Asymmetries Similar to Full Range Testing
AUTHORS : A. Sinacore, A. Evans, B. Lynch, R. Joreitz, J. J. Irrgang, A. D. Lynch
PRESENTER: Anthony Sinacore

Changes in Dynamic Balance and Hip Strength after an Eight-Week Conditioning Program in NCAA Division I Female Soccer (Football) Athletes
AUTHORS : B. M. Ness, B. Comstock, W. E. Schweinle
PRESENTER: Brandon Ness

Incidence of Injury in Interscholastic Basketball Players: A 25-year Longitudinal Study
AUTHORS : E. Carper, G. D. Beachy, C. Akau, S. Gombatto, M. J. Rauh
PRESENTER: Emily Carper

Injuries reduce health-related quality of life in collegiate athletes.
AUTHORS : E. O. Nelson, L. Blyholder, J. L. Sanfilippo, T. A. McGuine, B. Heiderscheit
PRESENTER: Evan Nelson
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PRESENTER: Jagmit Dhah

Validation of a clinical screening tool to quantify lower extremity weight bearing symmetry during a drop vertical jump and overhead squat.


PRESENTER: Lauren Butler

The Effect of Kinesio Tape on Quadriceps Motor Unit Activation

AUTHORS: M. Campolo, F. Kauffman, M. Hyland, J. Freda

PRESENTER: Marc Campolo

Rehabilitation Following Posterior Cruciate Ligament Reconstruction: A Systematic Review

AUTHORS: M. Senese, E. Greenberg, T. Ganley

PRESENTER: Matthew Senese

Does the Direction of Elastic Tape Application Influence Muscle Activation Measured by EMG and Isokinetic Force Production in Asymptomatic Individuals?

AUTHORS: M. Dolphin, A. Rufa, G. Brooks, B. Calancie

PRESENTER: Michelle Dolphin
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PRESENTER: Aaron Nelson

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A Clinical Test Used to Examine the Impact of Fatigue on Hop Performance in Healthy Individuals

AUTHORS: A. K. White, J. Lesnak, M. Chaput, M. Palimenio, D. Katsavelis, J. J. Bagwell, T. L. Grindstaff

PRESENTER: Allison White

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PRESENTER: Amelia Arundale*

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AUTHORS: B. A. Myers, J. Stocks, B. Burtka

PRESENTER: Betsy Myers
Improved Patient Reported Function and Satisfaction Following a Single Combined Surgeon and Physical Therapy Visit Prior to ACL Reconstruction

AUTHORS: C. R. Lewis, S. Di Stasi, D. C. Flanigan
PRESENTER: Caroline Lewis

Distinct Altered Knee and Hip Landing Mechanics in Women with ACL Reconstruction using An Allograft

AUTHORS: C. R. Waters, T. S. Balfour, B. L. Talley, K. N. Corbin, K. E. Hammond, J. W. Xerogeanes, L. Tsai
PRESENTER: Caroline Waters

Long term knee joint contact force asymmetry during running after ACL reconstruction

AUTHORS: C. N. Hollingsworth, C. D. Bowersock, R. W. Willy, J. D. Willson
PRESENTER: Chelsea Hollingsworth

Early Markers of Outcome after ACL Reconstruction

AUTHORS: C. M. Zwolski, L. C. Schmitt, S. Thomas, M. V. Paterno
PRESENTER: Christin Zwolski

The effectiveness of ACL prevention programs in reducing the incidence of ACL injuries: A Systematic Review

AUTHORS: J. R. Roush, D. Funk, E. Hunke, J. W. Farris
PRESENTER: David Funk
Influence of Patient Demographics and Graft Type on ACL Second Injury Rates in Ipsilateral vs Contralateral Knees: Systematic Review

AUTHORS: G. Adams, O. Pryzbylkowski, D. Logerstedt

PRESENTER: David Logerstedt

Improving Limb Symmetry and Recovery Following Anterior Cruciate Ligament Reconstruction Surgery: Use of a Modified Wobble Board

AUTHORS: F. Baldwin, C. Hatcher, C. Conroy, E. J. Fox

PRESENTER: Fred Baldwin

Clinical Commentary: On-Ice Return-to-Hockey Progression after Anterior Cruciate Ligament Reconstruction


PRESENTER: Jacob Capin

Reduction of non-contact ACL injuries in NCAA Division Women’s Soccer via proper warmup and strength training.

AUTHORS: J. B. Mann

PRESENTER: James Mann
Deficits in bilateral lower extremity Y-balance composite scores exist following unilateral anterior cruciate ligament injury

AUTHORS: J. Hannon, J. Garrison, J. Bothwell
PRESENTER: Joseph Hannon

Differences in lower extremity net joint power contribution in individuals with Anterior Cruciate Ligament injury exist between limbs

AUTHORS: J. Hannon, J. Garrison, S. Goto, J. Bothwell
PRESENTER: Joseph Hannon

Single-leg landing mechanics differ based on level of knee confidence at return-to-sport following ACL reconstruction

PRESENTER: Karen Thatcher

Analysis of Frontal Plane Movement Asymmetries Using Two-Dimensional Motion Analysis During a Single Limb Hop after Anterior Cruciate Ligament Reconstruction

PRESENTER: Kristy Pottkotter
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PRESENTER: Lauren Butler

Simplifying Anterior Cruciate Ligament Injury Screening: A Jump in the Right Direction


PRESENTER: Louis Davis

Deficits in Quadriceps Rate of Force Development Following Anterior Cruciate Ligament Reconstruction: A Systematic Review

AUTHORS: M. Kimminau, M. R. Palimenio, K. A. Turman, B. Pietrosimone, T. L. Grindstaff

PRESENTER: Macy Kimminau

Incidence of Injury in Boys’ and Girls’ High School Soccer: A 25-year Longitudinal Study


PRESENTER: Marisa Abegg

A test battery following pre-operative rehabilitation predicts function in athletes 2 years after ACLR

AUTHORS: M. Failla, R. Zarzycki, E. Wellsandt, D. Logerstedt, L. Snyder-Mackler

PRESENTER: Mathew Failla
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PRESENTER: Matthew Ithurburn*

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PRESENTER: Matthew Longfellow

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PRESENTER: Nicholas Giampetruzzi

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AUTHORS: P. Kline, M. L. Ireland, D. L. Johnson, B. Noehren

PRESENTER: Paul Kline
The Effects of Psychosocial Interventions on Patient-Reported Outcomes after Anterior Cruciate Ligament Reconstruction: a Systematic Review of Randomized Controlled Trials

PRESENTER: Rogelio Coronado

Return to Sport after a Knee Dislocation

AUTHORS: S. Kobriger, B. Levy, C. Kunzer
PRESENTER: Samantha Kobriger

Knee and Hip Mechanics During Single Limb Squat in Individuals Status Post ACL Reconstruction

AUTHORS: O. Panchal, N. Detrick, A. Pavlov, J. Wong, K. A. Pratt, S. Sigward
PRESENTER: Susan Sigward

Quadriceps Rate of Torque Development Deficits following Anterior Cruciate Ligament Reconstruction

AUTHORS: T. L. Grindstaff, M. Palimenio, C. S. Wichman, K. A. Turman, J. J. Bagwell, D. Katsavelis
PRESENTER: Terry Grindstaff

Women’s Health

Effectiveness of physical therapy interventions on physical measures of health after Cesarean section delivery: A systematic review

AUTHORS: A. Simonds, W. Owen, A. Palombo, A. Rele, L. Rogers, M. Rosenblatt
PRESENTER: Adrienne Simonds
Diaphragm and transverse abdominis function in patients with chronic pelvic pain vs. healthy controls: preliminary results

AUTHORS: M. Abrams, A. R. George, A. M. Chaudhari

PRESENTER: Alyssa George

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AUTHORS: A. Porter, S. F. Trotter, K. Barta

PRESENTER: Amy Porter

Effects of Resistance Exercises on Secondary Lymphedema Due to Treatment of Breast Cancer: A Systematic Review

AUTHORS: M. Romesberg, A. Rodzewich, A. Tucker, K. Kuzminski, A. Tremback-Ball

PRESENTER: Amy Tremback-Ball

Effects of Various Forms of Physical Therapy on Pain and Quality of Life in Women with Benign Gynecological Pathologies: A Systematic Review

AUTHORS: A. Tremback-Ball, J. Armillay, J. Blaskiewicz, M. Loughman, N. Ruffler

PRESENTER: Amy Tremback-Ball
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AUTHORS: B. Berlan, A. Thomas, B. J. Sindelar

PRESENTER: Brooke Berlan

The Prevalence of Lower Urinary Tract Symptoms and Impact on Quality of Life in Women’s Collegiate Ice Hockey Athletes

AUTHORS: C. M. Harm, V. Liberi, K. H. Liberi

PRESENTER: Karen Liberi

The Successful Management of Foot Drop in a Postpartum Patient with use of Pelvic Floor and Orthopaedic Manual Physical Therapy: A Case Report

AUTHORS: C. C. Franck, H. Moky, A. Emerson Kavchak

PRESENTER: Carla Franck

Task Specific Approach to Rehabilitation for Patient with Pregnancy Related Intracranial Hemorrhage: Case Study

AUTHORS: C. L. Flanagan

PRESENTER: Cynthia Flanagan

Use of Graded Exposure and Proprioceptive Neuromuscular Facilitation with Dilator Therapy for a Woman with Chronic Primary Vaginismus: A Case Study

AUTHORS: D. B. Cathcart, J. Jenner, K. N. King, J. Mallett, A. Wargo, E. Wood

PRESENTER: Darla Cathcart
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PRESENTER: Jean Hiebert

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AUTHORS: J. Imundi
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PRESENTER: Julia Glick
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AUTHORS: L. Liggan
PRESENTER: Lindsey Liggan

Effectiveness of Kinesiology Taping in Patients with Lymphedema: A Systematic Review

AUTHORS: L. J. Barnes, D. Bridges, G. Stover
PRESENTER: Lisa Barnes

Clinical Presentation of Men with Pelvic Pain

AUTHORS: L. Tate
PRESENTER: Lisa Tate

Should physical therapy intervention be an integral part of constipation and incontinence management for pediatric sacrococcygeal teratoma survivors? A case report

AUTHORS: M. J. Gutierrez, J. Elkins, L. Archambault-Ezenwa
PRESENTER: Melissa Gutierrez

The Effect of a Maternity Support Binder on Low Back Pain During Pregnancy

AUTHORS: W. Dehler, B. K. Lampe, M. L. Peterson, S. Bertram
PRESENTER: Melissa Peterson
Prevalence of psoas myofascial dysfunction in males referred to physical therapy for testicular pain.

AUTHORS: N. Cookson, D. Underwood

PRESENTER: Nicole Cookson

Postpartum Diastasis Recti Abdominis: Treatment and Functional Implications


PRESENTER: Rose Schlaff

Stress Urinary Incontinence and Pelvic Floor Strengthening Education in Female Collegiate Dancers: A Pilot Study


PRESENTER: Sara Ellis

The Influence of a Home Exercise Program Including Activation of the Transverse Abdominis and Pelvic Floor Muscles While Performing Lumbar Stabilization Exercises on Chronic Low Back Pain in a Middle Aged Woman: A Case Study

AUTHORS: S. Bertram, B. Kitts, T. Marshall

PRESENTER: Stacie Bertram
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The Effect of Visceral Manipulation on Diastasis Recti Abdominis: A Case Series

AUTHORS: B. D. Kirk, T. L. Elliott-Burke

PRESENTER: Teresa Elliott-Burke

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AUTHORS: W. Bartley, C. C. Yates, E. R. Huett

PRESENTER: Charlotte Yates

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AUTHORS: W. Ma

PRESENTER: Winnie Ma