

APTA Conference and Exposition 2013

Poster Presentations

Friday, June 28, 3:45 – 5:15 p.m.

Acute Care

Examination of an Accelerated Total Hip Arthroplasty Protocol: Does the Patient Benefit?

K. Kelly Sullivan, PT, DPT

1001

Business Management/Administration

Physical Therapy Direct Patient Access Versus Physician Patient-Referred Episodes of Care:

Early Program Assessment of Comparisons of Cost, Resource Utilization, and Outcomes

William Boissonnault, PT, DHSc, FAAOMPT

1002

Observing the Relationship Between Factors of Satisfaction and Attendance in Outpatient

Physical Therapy Clinics

Shawn Paquette

1003

Cardiovascular and Pulmonary

Fitness and Accelerometer Activity Levels, But Not Self-Reported Activity, Are Associated With Body Mass Index in Rural Women Ages 40-69

Patricia Hageman, PT, PhD

1004

Inspiratory Muscle Strength Training Improves Maximal Oxygen Consumption in Fit Boy

Athletes

Chien-Hui Huang

1005

Rating of Perceived Exertion and Heart Rate Responses to Step Aerobic Video-Based Fitness

Games in Healthy Adults

Meagan O'Brien, PT, DPT

1006

Clinical Electrophysiology and Wound Management

Electromyographic (EMG) Analysis of Hip Extensor Muscle Activity During Common

Rehabilitation Exercises and Functional Activities in Healthy Subjects.

Stephanie Jones, PT, DPT, OCS, NCS

1007

Education

Analysis of Critical Incident Reports on the Physical Therapy Clinical Performance Instrument

(PT CPI) in an Entry-Level Doctor of Physical Therapy (DPT) Program

Cathy Ciolek, PT, DPT, GCS

1008

Facilitating Clinicians' Involvement in Research and Quality Improvement Initiatives in an Unaffiliated Academic Medical Center: The Johns Hopkins Hospital Research Development Pilot Program

Kelly Daley, PT, MBA, OCS

1009

Clinical Instructor Factors That Influence Learning During Physical Therapy Internships According to Student Physical Therapists

Ann Decker, PT, MSA

1010

Using Google Docs™ to Provide Immediate Real-Time Student Feedback During Patient Interviews

Deanna Dye, PT, PhD

1011

Identifying Facilitators of and Barriers to Clinical Site Development for Academia Usage: A Retrospective Case Report

Jill FitzGerald, PT, DPT, CSCS

1012

Student and Clinical Instructor Perceived Importance and Frequency of Clinical Teaching Behaviors

Debra Gray, PT, DPT, M Ed

1013

A Description of Clinical Competence, Confidence, Communication, and Comfort Levels in the Clinical Education of DPT Students Utilizing the Near-Peer Teaching Model

Raymond Mattfeld, PT, DPT, OCS, ATC, DCE

1014

Evaluating Physical Therapy Students' Clinical Performance in Acute Care:

A Retrospective Analysis Comparing Student-Treated and Staff-Treated Patient Outcomes After Total Knee Arthroplasty

Melissa Hake, PT, DSc

1015

Participation in an Interprofessional Service Learning Course and a Student-Run Free Clinic Impacts Student Clinical Reasoning as Measured by the Self-Assessment of Clinical Reflection and Reasoning (SACRR)

Sara Kraft, PT, DPT, MHS, NCS, ATP

1016

Interprofessional Teaching Project Between Physical Therapist and Nursing Students

Kim Levenhagen, PT, DPT

1017

Developing Critical Care Skills Through the Use of High-Fidelity Simulation in Cardiopulmonary Examination and Intervention

Jennifer Mai, PT, DPT, PhD, MHS, NCS
1018

Telecommuting as the Director of Clinical Education (DCE) in a Doctoral Physical Therapy Program.

Sally McCormack Tutt, PT, DPT, MPH
1019

Applied Therapeutic Exercise as a Teaching Method in a Physical Therapist Education Program

Jennifer Mai, PT, DPT, PhD, MHS, NCS
1020

Self-Testing Improves Student Scores on Subsequent Exams

Peter Panus, PT, PhD
1021

Sequencing of Teaching Basic Physical Therapy Assessment Skills: An Initial Exploration

Cindy Seiger, PT, PhD
1022

Benefits of Integrated Clinical Education in a Non-Traditional Setting

Linda Tsoumas, PT, EdD, MS
1023

Use of Individual Feedback During Human Gross Anatomy for Enhancing Professional Behaviors in Doctor of Physical Therapy Students

James Youdas, PT, MS
1024

Geriatrics

Limitations in Gait Speed Persist at Discharge From Short-Term Rehabilitation

April Barthuly, PT, DPT
1025

The Effect of a Safe Patient Handling Program on Rehabilitation Outcomes

Marc Campo, PT, PhD, OCS
1026

Analysis of Exercise Programs in Assisted Living Facilities:

A Cross-Sectional Study

Hao Liu, PT, PhD, MD
1027

Effect of Qigong on Balance and Quality of Life Among Older Adults: A Pilot Study

Hao Liu, PT, PhD, MD
1028

Fast Gait Speed and Health-Related Quality of Life in Community-Dwelling Older Adults

Cecelia Sartor-Glittenberg, PT, MS, NCS
1029

Relationships Between the Fullerton Advanced Balance Scale and the 8-Foot Up-and-Go and Falls in Community-Dwelling Older Adults
Cecelia Sartor-Glittenberg, PT, MS, NCS
1030

Ultrasound Imaging: A Comparison of Anterior and Lateral Trunk Muscle Thicknesses in Healthy, Older Males and Females
J. Megan Sions, PT, PhD, DPT, OCS, CEEAA
1031

Balance and Lower-Extremity Isometric Strength as Determinants of Functional Gait Performance in Skilled Nursing Facility Patients
Kai Williams, PT, DPT
1032

Health Policy/Legislation

Facilitating the Implementation of a Concussion Management Program in a Rural High School
Deanna Dye, PT, PhD
1033

Neurology

Ambulation and Complications Related to Devices After Spinal Cord Injury
Sandra Brotherton, PT, PhD
1034

Psychometric Analysis of Wolf Motor Function Test in People Receiving Stroke Intervention
Yi-Po Chiu, PT, PhD, MHS
1035

Outcomes of Internally Generated Educational Strategies on Gait Re-Initiation Following Freezing of Gait Episodes in a 65-Year-Old Male With Parkinson Disease: A Case Study
Natalie Leonardi
1036

Operant Conditioning of Tibialis Anterior and Soleus H-Reflex Improves Spinal Reflex Modulation and Walking Function in Persons With Motor Incomplete Spinal Cord Injury
Kathleen Manella, PT, PhD
1037

Physical Therapy for a Patient 7 Years Status Post Stroke Without Previous Rehabilitation.
Timothy Miller, PT, DPT, GCS
1038

Running Outcomes Following an Intensive Balance, Agility, Strengthening, and Body-Weight-Supported Treadmill Training Program for Individuals With Traumatic Brain Injury: A Case Series
Gabriele Moriello, PT, PhD, GCS, CEEAA
1039

Outcomes Following Mirror Box Therapy in a 52-Year-Old Male Following a Left Cerebrovascular Accident Resulting in Right Hemiparesis: A Case Study

Kristin Sendzik
1040

Oncology

Physician Referral to Outpatient Physical Therapy for Treatment of Cancer-Related Fatigue (CRF)

Jane Oeffner, PT, DPT, MBA
1041

Orthopedics

Quantification of Cervical Spine Muscle Fat With Fat and Water Separation MRI Using a Variable Projection Algorithm (VARPRO) and Muscle Biopsy

Rebecca Abbott, BS MechE
1042

Recognition of Chronic Exertional Compartment Syndrome: A Case Requiring Referral

Harold Beeson, PT, DPT
1043

Quantification of Forces Utilized During Glenohumeral Distraction Mobilizations

Caitlin Bisbing, SPT
1044

Gender Comparison of Abdominal Exercises on Stable and Unstable Surfaces.

Lucinda Bouillon, PT, PhD
1045

Outcomes Following a Neuromuscular Training Program Focused on Frontal Plane Stability in an Athlete With Chronic Patellofemoral Pain

Sarah Diederichs, SPT
1046

Motion of the Spine and Lower Extremities During Performance of the Traditional and Modified Functional Reach Tests

David Diers. PT, EdD, MHS, ATC
1047

Getting Rid of Homans: Do Clinicians Use the Evidence to Determine If a Patient Has a DVT?

James Farris, PT, PhD
1048

Outcomes Following Neuromuscular Re-education in Combination With Strength and Flexibility Training on Functional Movements in an Individual With a 28-Year History of a Partial ACL Tear

Emily Fischer, SPT
1049

Quantifying Physiological Changes of Diffusion of Water in the Segmental Cervical Multifidus Muscle: A Diffusion-Weighted (DWI) MRI Measure

Amanda Fledderjohann
1050

Comparison Study of EMG Activation of Trunk and Lower-Extremity Musculature With ElliptiGO, Treadmill Walking, Recumbent Stepping, and Stationary Biking
Chris Gibson, PTA, SPT
1051

The Effect of a Ten-Minute Dose of Stretching on Hamstring Muscle Flexibility in Young Adult Males
Richard Haydt, PT, DPT, MTC, OCS, FAAOMPT
1052

Effects of Surgical Repair on Active Shoulder Position Sense and 3-Dimensional Reaching Accuracy in a Patient With Anterior Shoulder Instability
You-jou Hung, PT, PhD, MS
1053

Abductor Hallucis Cross-Sectional Area Increased After a 10-Week Transition Period of Running in Vibram Five-Fingers Running Shoes
Aaron Johnson, PT, PhD
1054

Favorable Outcomes Following a Unique Neuromuscular Re-education Program for a Young Adult Female With Chronic Bilateral Hip Pain: A Case Study
Joseph Johnson, SPT
1055

The Association Between Posterior Innominate Rotation and Hip External Rotation Range of Motion Asymmetry
Jaclyn Keleher, BS
1056

EMG Comparison of Five Muscles During Treadmill Walking in Rocker Bottom Shoes and Conventional Walking Shoes
Cindy LaPorte, PT, PhD
1057

Rehabilitation of a Multistructure Knee Injury in a Paralympian With Below the Knee Amputation: A Case Report
Matthew Lazinski, PT, DPT, OCS
1058

The Effect of Lowered Transfemoral Socket Height on Function When Using a Vacuum-Assisted Suspension System
Raymond McKenna, PT, PhD
1059

The Role of the Physical Therapist in the Management of Abdominal Pain: An Example Using 3 Patient Cases
Michael Ross, PT, DHSc, OCS
1060

Outcomes Following a Long-Distance, Low-Frequency Physical Therapy Intervention for a 61-Year-Old Male With Undiagnosed Chronic Bilateral Hip Pain: A Case Study

Olivia Smaney
1061

Max Effort of the Multifidi Muscles in Prone Using Musculoskeletal (MSK) Ultrasound Imaging and EMG

Rose Smith,
PT, DPT, ATC, SCS
1062

The Effect of Elbow Position on the Measurement of Pectoralis Minor Length

Kathryn Tracy, SPT
1063

Kinematic Analyses of Functional Activities for Teachers of Primary Schools With and Without Neck Pain

Tzyy-Jiuan Wang, PT, PhD
1064

The Effectiveness of Inpatient Physical Therapy Intervention for Patients Who Underwent Lumbar Surgery

Tzyy-Jiuan Wang, PT, PhD
1065

Changes in the Shoulder Position During Manual Muscle Testing of the Scapular Adductors: Effects on Middle Trapezius Thickness as Measured With Ultrasound Imaging

Dexter Witt, PT, DPT, OCS, FAAOMPT
1066

Measurement of the Thickness of the Middle Trapezius Using Ultrasound Imaging: Changes in Reliability With Variation in Resistance and Measurement Sites

Dexter Witt, PT, DPT, OCS, FAAOMPT
1067

Pediatrics

Effects of a Task-Oriented Training Program on Body Function, Activity, and Participation in Children With Cerebral Palsy

Seok Hun Kim, PT, PhD
1068

Use of the BioSway Portable Balance System to Assess Postural Stability in Overweight and Obese Children.

Sharon Martino, PT, PhD, MS
1069

A Pilot Survey of Commercially Available and Commonly Used Toys for Infants 0 to 6 Months of Age

Jessica Niski, PT, DPT
1070

Using Orthotics to Advance Motor Skills in a Child With Noonan Syndrome: A Case Report
Jennifer Parent-Nichols, PT, DPT, MSPT
1071

National Trends in Initial Supported Standing Devices for Children With Midlumbar Spina Bifida
Julie Shulman, PT, DPT
1072

Professional Issues

Student Physical Therapist Critical Thinking and Differential Diagnosis Skill Development:
Implications for Direct Access Practice
Marie Corkery, PT, DPT, MHS, FAAOMPT
1073

How Do Physical Therapists Promote Physical Activity? A Pilot Study
Jesse Evans, SPT
1074

Screening for Medical Referral: Variables That Influence Accuracy
Heather Mount, DSc
1075

Sports Physical Therapy

Comparison of Shoulder Range of Motion, Strength, and Endurance in Amateur Pitchers
Practicing Repetitive Overhead Throwing
GyuChang Lee, PhD
1076

The Functional Movement Screen as a Predictor of Injury in Division I and II Collegiate Baseball
Athletes
Susan Appling, PT, DPT, PhD, MTC, OCS
1077

Relationships Among Trunk and Lower-Extremity Muscle Activity in Portions of the Y-Balance
Test and Functional Movement Screen
Lucinda Bouillon, PT, PhD
1078

The Effect of a Common Clinical Stretch on Changes in Pectoralis Minor Length
Jacqueline Brown, SPT
1079

The Relationships Between Medial Elbow Pain and Shoulder Range of Motion, Soft Tissue
Tightness, Rotator Strength, and Humeral Retroversion Angle in Adolescent Baseball Players
Wen-Yin Chen, PT, PhD
1080

Emotional and Anxiety-Focused Surveys/Questionnaires Following Anterior Cruciate Ligament
Reconstruction in Athletes: A Systematic Review
R. Barry Dale, PT, PhD, ATC, OCS, SCS, CSCS
1081

Muscle Recovery and Force Output of Scapular Stabilizers in High School Baseball Pitchers After a Pitching Start

Thomas Eck

1082

Short-Term Improvements in Knowledge and Performance Following a 3-Day Plyometric Camp for High School Athletes

Michael Geelhoed, PT, DPT, MTC, OCS

1083

Multifidus Muscle Size and Atrophy Among Dancers With and Without Low Back Pain

Aaron Johnson, PT, PhD

1084

The Influence of Heel Height on Vertical Ground Reaction Forces During Landing Tasks in Recreationally Active and Athletic Collegiate Females

Kelly Lindenberg, PT, PhD, MSPT

1085

Validation of a Standardized Protocol for Underwater Treadmill Exercise in Collegiate Runners

Bini Litwin, PhD

1086

The Influence of Upper-Extremity Fatigue on Dynamic Standing Balance

Hayley McKinney, SPT

1087

Diagnostic Accuracy of Clinical Tests for Assessment of Hamstring Injury: A Systematic Review

Adam Goode, PT, DPT, PhD

1088

The Functional Movement Screen as a Predictor of Injury in Professional Basketball Players

Jonathan Rose, PT, MS, SCS, ATC

1089

Relationship of Core and Lower-Extremity Strength and Flexibility to Injury in Distance Runners

Marsha Rutland, PT, ScD, OCS, COMT, CSCS

1090

Quantification of Humeral Movement During Glenohumeral Distraction Mobilization: In-Vivo Measurements Using Ultrasound Imaging

Michael Sclafani, SPT

1091

The Functional Outcomes Associated With a Rehabilitation Program for Patellar Tendinopathy Following Two ACL Reconstructive Surgeries: A Case Study

Margaret Shaffer, SPT

1092

Combining Directional Preference With Spinal Stabilization in the Treatment of Low Back Pain in an 18-Year-Old Runner

Ann Vendrely, PT, DPT, EdD
1094

Upper-Extremity Functional Testing Among High School and Collegiate Male Athletes
Craig Wassinger, PT, PhD
1095

Technology

Customizing Functional Electrical Therapy Using a "Rehabilitation Problem-Solving Form": A Preliminary Study in India
Alakananda Banerjee, PT, PhD
1096

Utility of Video-Based Home Exercise Programs on Patient Outcomes in Outpatient Physical Therapy
Dawn Roberts, PT, PhD
1097

Women's Health

Gender-Based Differences in Selected Functional Outcomes Among Prosthesis Users Who Underwent Lower-Extremity Amputation Because of the 2010 Haiti Earthquake
Janet Lee
1098

Quality of Life and Incidence and Impact of Urinary Incontinence on Bangladeshi Postpartum Women: Comparison by Birth Mode
Cherisse Buddy, SDPT
1099