The 18 sections of APTA have joined together to present posters on various physical therapy topics. Posters may be viewed during Exhibit Hall hours. Authors will be available to discuss their posters from 1:00 pm to 3:00 pm on the following days:

**Group 1: Thursday, February 22**

Hand Rehabilitation, Home Health, Neurology (Brain Injury, General, Practice Issues, and SCI SIGs), Oncology, Orthpaedics (Foot/Ankle, Hip/Knee, Occupational Health, and Other), Pediatrics, Sports (Knee, Knee-ACL, Running, Sports Residency), Women’s Health

**Group 2: Friday, February 23**

Cardiovascular/Pulmonary, Clinical Eletrophysiology and Wound Management, Geriatrics (Health/Wellness, Mental Health, Osteoporosis), Health Policy and Administration, Neurology (Degenerative Diseases, Vestibular SIGs), Orthopaedics (Imaging, Performing Arts, Poster Award Candidates, Residency Poster Case Reports), Research, Sports (Biomechanics, Case Studies, Foot/Ankle, Shoulder/Elbow, Spine)

**Group 3: Saturday, February 24**

Acute Care, Aquatics, Education, Federal, Neurology (Balance & Falls, Stroke SIGs), Orthopaedics (Elbow/Wrist/Hand, Pain Management, Shoulder and Spine SIGs)

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  Culbertson RL, Gedlinske AM, Suydam SM, Macaulay M, Evans M
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1475 Objective musculoskeletal assessments that predict injury in runners: A systematic review and meta-analysis

Christopher SM, McCullough J, Snodgrass SJ, Cook CE
Shefali Christopher

Sports Physical Therapy: Sports Residency
1476 A Comprehensive Movement Approach to Prevent Injury and Enhance Performance in Collegiate Cross Country Runners: A Case Study

Englert A, Plisky PJ, Kiesel K
Alyssa Englert

1477 Muscle force and kinematic asymmetries in collegiate cross country runners: a descriptive laboratory study

Andrea Weber

1478 Generalized Joint Hypermobility influences treatment type but not functional outcome in young instability athletes

Pellett AA, Shanley E, Kissenberth M, Hawkins RJ, Tokish JM, Thigpen CA
Charles Thigpen

1479 Utilization of Limb Symmetry Index After ACL Reconstruction - What is the Standard?

Lefever CR, Abellanida M, Lowe W, Duncan BR, Bailey LB
Christopher Lefever

1480 Changes in Lower Extremity Biomechanics Following Sport-Related Concussion: A Case Series

Wozobski E, Garrison J, Hannon J, Giesler L, Grondin A, Creed K, Goto S
Emily Wozobski

1481 Evaluation of acute versus chronic workload of an Interval Throwing Program

Valls GI, Shanley E, Evans D, Kissenberth M, Thigpen CA
Garrett Valls

1482 Functional Performance Testing as a Predictor of Player Performance in a Collegiate Women’s Basketball Team

Fath J, Clifton D, Onate J
Utilization of Direct Access and Dry Needling for Management of an In-Season Runner with Lateral Hip Pain

*Lewis J, Atwood J, Windley T*

Jessica Lewis

Effect of lower body positive pressure treadmill on step rate manipulation

*Oakland J, Ames P, Giveans R*

Josie Oakland

Clinical assessment techniques for injury risk assessment in elite swimmers: A systematic review

*Schlueter K, Pintar J, Wayman K, Hartel L, Briggs MS*

Kaitlyn Schlueter

Medical Management of Post-Concussive Syndrome in an Elite Hockey Player

*Lynch KE, Mulligan EP, Middleton E*

Katherine Lynch

The Relationship Between Range of Motion, Strength, Motor Control, Power, and the Tennis Serve in Competitive Level Tennis Players: A Pilot Study

*Palmer K, Morgan C, Jones D, Zeppieri G*

Kenneth Palmer

Exploring the utility of video playback technology and standard learning measures to enhance mentorship within a sports residency simulation.

*Greenwood KC, Clark SB, Nolan DC*

Kristin Greenwood

Self-reported concussion management in martial arts fighters

*Lou L*

Lauren Lou
1491  **Workload Ratios and Time-loss Injury in Division I Women’s Lacrosse Players**  
*Brown L, Avey M, Taylor C*  
Liz Brown

1492  **Musculoskeletal Ultrasound as a Screening Tool to Determine Injury Risk in Sports: A Systematic Review**  
*Christopherson Z, Faherty MS, Ledbetter L, Boggess B, Sell TC*  
Zachary Christopherson

1493  **Is Peak Torque Enough? The Relationship Between Isokinetic Testing & Single Leg Hop Performance in Patients Following ACL Reconstruction**  
Melissa Abellanida

1494  **Direct Access Management of a Youth Baseball Player with Elbow Pain**  
*McClain N, Atwood J, Windley T*  
Nathan McClain

1495  **Pre-Season Assessment to Determine Injury Risk in Adolescent Rugby Players**  
*Melfi N*  
Nicole Melfi

1496  **Hip and Hamstring Strength in Young Athletes with Quadriceps Strength Deficits after ACL Reconstruction**  
*Therriault PM, Ithurburn MP, Thomas S, Paterno MV, Schmitt LC*  
Patrick Therriault

1497  **A Controlled Interval Throwing Progression For Javelin Athletes Following Injury: A Clinical Commentary**  
*Fronek S*  
Shanon Fronek

1498  **A Systematic Review: What Is the Impact of Cupping Therapy on Pain Modulation in Both Athletic and Non-Athletic Populations?**  
*Lesh S, Jue J, Toennies C, Susmilch M, Behrouz S*
Group 2: Friday, February 23

**Cardiovascular and Pulmonary**

2001  Clinical diagnosis of peripheral vascular disease: a Physical Therapy resident’s case problem

*Milian A, Wong M, Cohen M, Glynn TK, Kirk-Sanchez NJ*

Alexyz Milian

2002  Muscle Endurance Measures Using Isokinetic Dynamometer and Nustep

*Thornton A, Kosky J, Gasperoni V, Lowrey L, Varghese A, Galen S, Pepin ME*

Alyssa Thornton

2003  The Effect of Circuit-based Exercise on VO2peak of Individuals with a Lower Limb Loss

*Bartlett AS, April S, Hart E, Gilmore A, Sowyrda K, Strohmeyer S, Trainor K*

Andrew Bartlett

2004  Correlation of pre-surgery frailty-related measurements with post-transplant outcomes in patients after lung transplant


Angela Henning

2005  The Effects of Respiratory Muscle Training on Exercise Performance and Maximum Oxygen Consumption in Athletes and Healthy Individuals - A Systematic Review

*Elmarakby A, DeRusso A, Fletcher-Foster AL, Fernandez M, Lord M*

Ashraf Elmarakby

2006  The Effect of Yoga-Inspired Breathing Training On Five Outpatient Pulmonary Rehabilitation Patients

*Sandona BJ, Gissen A*

Benedict Sandona
2007  Effects of Exercise Training in Patients with Chronic Heart Failure: An Updated Systematic Review
Belarmino BC, Mitchell K, Gleeson PB, Lin S, Mondkar RS
Bobby Belarmino

2008  The Role of PT When (Repeat) Lung Transplantation Is No Longer an Option: A Case Study
Anderson B, Cohen M
Brady Anderson

2009  The Impact of High Intensity Interval Training in Adolescents: A Pilot Study
Cara Wilck

2010  Cardiovascular Response to Skeletal Muscle Afferent Activation in Women and Men
Chad Mickelson

2011  Bilateral Hip Heterotopic Ossification Following Lung Transplantation
Carpenter CJ, Hodde M, Menard R, MacFarlane S, Altschuler E
Christina Carpenter

2012  Accuracy of 6 Activity Monitors During the 6 Minute Walk Test to Measure Distance and Steps Walked
Towler C, Fulk G, LaRue J, Bronson H, LeCours B, Boolani A
Christopher Towler

2013  Accuracy of 4 Activity Monitors During the 6 Minute Walk Test to Measure Caloric Expenditure and Heart Rate
Towler C, Fulk G, Bronson H, LeCours B, LaRue J, Boolani A
Christopher Towler

2014  Implementation of a Safe and Feasible Mobilization Protocol for Patients POD 0 Transcatheter Cardiac Valve Procedures
Ward J, Hernandez Z, Freund D
Danielle Freund
2015 The Prediction of HbA1c from Quality of Life Factors in Patients with Type II Diabetes Mellitus.
Dennis O'Connell

2016 Patients’ Perspectives Regarding Ankle-Foot Orthoses to Improve Walking Mobility for People with Peripheral Artery Disease
Choma EA, Mays RJ, Mizner RL, Santasier AM
Elizabeth Choma

2017 Reliability and Validity of the Instant Heart Rate App in Healthy Populations
Baldwin B, Chatham C, Mayeux P, Eason JM
Jane Eason*

2018 Inspiratory muscle strength and endurance in veterans with COPD: impact on functional exercise capacity
Khani J, Giordano C, Dickens A, A Campos M, Cahalin LP, Formiga M
Jessica Khani

2020 Applying Clinical Decision Rules in a Patient with Venous Thromboembolism (VTE) after an Elective Total Knee Arthroplasty
Heick J
John Heick

2021 Evaluating the effects of a cardiac rehabilitation program gender-tailored for women with coronary artery disease: a systematic review
Conniff R, Papa A, Parry A, Sanko JP
John Sanko*

2022 A SYSTEMATIC REVIEW OF THE EFFECTS OF ROBOTIC ASSISTED STEPPING TO INCREASE CARDIOVASCULAR FITNESS IN INDIVIDUALS WITH INCOMPLETE SPINAL CORD INJURY
Dole A, Engel CM, Janusko E, Sanko JP
John Sanko*
2023  Assessment for the Modulation of Pace and Distance in Response to Musical Auditory Cueing During Treadmill Exercise in Healthy Individuals
   June Kume

2024  Comparison of the Åstrand-Rhyming and Six Minute Walk Tests for Predicting Maximal Oxygen Consumption in a College-Aged Population
   Pata R, Hochadel K, Martin T
   Katelyn Hochadel

2025  Differences in Clinical Markers of Exercise Intensity Between Males and Females during a Steady State Exercise Test
   Karch K, Applegate J, Nordquist L, Gurovich AN
   Katie Karch

2026  Physical Rehabilitation Research in Acute Care Settings of Low- and Middle-Income Countries: A Systematic Review
   Battle K, Daorai A, Javed H, Vicik L, Bettger J, Landry M, Pastva AM
   Annie Daorai

2027  Inspiratory Muscle Performance of Division I Collegiate Female Swimmers: A Descriptive Analysis
   Kyle M Graves

2028  INSPIRATORY MUSCLE TRAINING COMBINED WITH PILATES-BASED PHYSICAL THERAPY IN AN OLDER WOMAN WITH HEMI-DIAPHRAGM PARALYSIS: A CASE REPORT
   Burns Robertson MT, Garcia KL, Tischenko PK, Cahalin LP
   Lawrence Cahalin*

2029  Reliability of the Six Minute Walk Test with Supervision
   Lisa McVey
Use of body-weight supported treadmill training to facilitate mobility in a patient with a new HVAD who had intra-operative neurologic complications

Rough K, King M
Marylynn King

Accuracy of Heart Rate and Oxygen Saturation Measurements with Alternative Side-to-Side Position Obtained with a Pulse Oximeter

Chatellier M, LaPier J, Yaremko K
Megan Chatellier

Indicators of Balance Deficit Among Individuals Entering Cardiac and Pulmonary Rehabilitation Programs

Meryl Cohen

Diaphragmatic Neuromuscular Re-education for Increased Chest Wall Excursion in a 21 year old Female Diagnosed with Friedreich’s Ataxia: A Case Report

Ward CR, Sawtelle M, Ferreira G
Michelle Sawtelle

Prevalence of Urinary Incontinence in Patients with Chronic Pulmonary Diseases: A Retrospective Review of Data for Quality Improvement.

Bauer N
Naomi Bauer

Exploration of Acute Care Physical Therapy Interventions for Critical Illness Myopathy in a Patient with Left Ventricular Assist Device Implantation

Waner N
Nicole Waner

Physiotherapists’ Description and Perceptions of Wound Protection and Arm Activity Restrictions Following Median Sternotomy: An International Perspective

LaPier T, Perilli P, Solly K, Parton E
2037  Cardiometabolic Biomarkers, Physical Function and Activity in Women with Arthritis who completed a 30-month Web-based Weight Loss Intervention

Hageman PA, Yoerger M, Wellsandt E
Patricia Hageman

2038  Cardiovascular Disease Screening in Physical Therapy Practice Across Different Settings: A Survey Study

Severin RS, Wielechowski A, Phillips SA
Richard Severin

2039  Acute intermittent hypoxia and inspiratory threshold loading as strategies to enhance inspiratory muscle function.

Ahmed S, Sutor T, Sajjadi E, Smith BK, Mitchell GS, Martin D
Shakeel Ahmed

2040  Safety and Efficacy of Acthar Gel in an Outpatient Dialysis Population

Giuffre S, Wetzel J, Pohle-Krauza R, Sarac E, Guy R
Suzanne Giuffre

2041  Contrasting Pulmonary Vascular Responses to High Intensity Interval Training for Rats with Mild vs. Severe Pulmonary Arterial Hypertension

Taylor Kurzhal

2042  The Cardiovascular Effects of the Nintendo® Wii U and Microsoft® XBOX Kinect

Ingenito T
Teresa Ingenito

2043  Fit and Strong Together (FAST): The Results of a 12-week Interdisciplinary Weight Management Program for the Underserved.

Brewer W, Partridge J
Wayne Brewer
Effects of Leg Press Exercise on Function and Balance in Persons with Chronic Obstructive Pulmonary Disease: A Case Series

Wheless WA, Hawkins H, Rodgers W, Bailey S, Vallabhajosula S

An investigation into the effects of guided relaxation on high-frequency heart rate variability in collegiate hockey players.

currie zj, Bonacum TP, McPherson B, Osanitsch M, Pata R, Martin T, Kelley K

The flipped classroom in physical therapy – leaving the lecture hall behind when learning biophysical agents

Avin KG, Bayliss AJ

Use of negative pressure therapy and electric stimulation to attempt full wound closure in a patient with an ischial tuberosity pressure injury and C4-C6 ASIA C spinal cord injury: A case report.

Gomez AK, Wardell C

Post Peripheral Intravenous Infiltration and Extravasation Injury Methodology: a retrospective study.

Odom BH, Lowe L, Yates CC

Effect of Waveform on Electrically-Elicited Quadriceps Muscle Torque: Monophasic Square Wave Pulses versus Burst-Modulated Biphasic Square-Wave Pulses:


Benefits of Vitamin C and Zinc to Improve Wound Care

Juneau C
2051 Survival Time of Staphylococcus aureus on Ultrasound Transducer Heads
Levine D, Spratt HG, McDonald SS
David Levine*

2052 The "Lived Experience" as a Way to Facilitate Empathy Development
Wendland DM, Taylor D
Deborah Wendland*

2053 The Use of Focus Groups to Design Patient-Centered Diabetes Prevention and Health Promotion Programming for the Underserved
Wendland DM, Lucado AM, Stillman MA
Deborah Wendland*

2054 Evidence Supporting Exercise to Promote Wound Healing
Caldwell C, Traylor EJ
Eddie Traylor

2055 The Effect of Including Exercise in the Plan of Care for Wound Healing
Jackson JD, Traylor EJ
Eddie Traylor

2056 The Effect of Functional Electrical Stimulation for Foot Drop on Gait and Walking in People With Multiple Sclerosis: A Systematic Review
Evan Cohen

2057 The Effects of Electrical Stimulation on Gross Motor Function in Children with Cerebral Palsy: A Systematic Review
Evan Cohen

2058 The Effectiveness of Dry Needling on the reduction of Proximal Upper Quadrant Pain using Cohen’s d: a systematic review.
Adah F, Walalce G, Blount K, Cooksey K, Mitchell M, Rives A
Felix Adah
Mathews HW, Kearse M, Wilson AW, McGowan M, Fritz SL
Harvey Mathews

The effect of repeated use on electrode conductivity: a comparison of common electrode types over 20 sessions
James Bellew

A Survey of Wound Management Curricula in United States Physical Therapy Education Programs
Hale JC, Hettrick H, Vallabhajosula S, Lawson D
James Matthew Hale

Trends in Biophysical Agents Curriculum in Entry Level Doctor of Physical Therapy Programs Across the United States
Greco JL, Lamberg EM
Jamie Greco

A Comparison of EMG Output of 4 Lower Extremity Muscles During Selected Yoga Poses
Kelley KK, Giannico KN, Lesnett G, Romano A
Kathleen Kelley

Quality of life in individuals with an integumentary disorder
Melendez E, Doherty D, Hornung M, Carroll WJ, Zhou K, Ross MD
Kehua Zhou

Noncontact Low Frequency Ultrasound Therapy and Deep Tissue Pressure Injuries: A Case Series
Tan L, Kwan A, Monroy EP, Woelfel S
Lisa Tan

The Short-Term Effects of Class 4 Infrared Laser Irradiation of the Anterior Forearm and Carpal Tunnel Region on Median Nerve Distal Motor and Sensory Latencies in Healthy Subjects
Robert Post*

2068 Effect of Interferential Current in the Management of Musculoskeletal Pain: A Systematic Review
*Maissy SN, Skipper VH, Allen RJ
Sarah Maissy

2069 Clinical and Electrodiagnostic Findings in a Patient with C5-T1 Nerve Root Avulsions and Chronic Neuropathic Pain
*Shaffer SW, Koppenhaver NH
Scott Shaffer

2070 Pressure Ulcer Prevention education in long term care: Nothing butt the basics
Stanley McCallon

2071 Physical Therapy Treatment for Lower Extremity Necrotizing Fasciitis: A Functional Wound Management Approach
*Woelfel S, Kwan A, Frendewey R
Stephanie Woelfel

2072 THE USE OF TOPICAL OLIVE OIL AS AN EFFECTIVE PREVENTATIVE MEASURE FOR PRESSURE ULCERS: A SYSTEMATIC REVIEW
*Krasucki LE, Pankey J, Serzan C, Vondercrone J, Collins TL
Tracey Collins

2073 Electrically-Elicited Quadriceps Muscle Torque: Comparison at Three Knee Angles
Wayne Scott

Geriatrics: Health Wellness

2074 Comfortable and fast gait speeds are significantly influenced by strength and balance
*Mantel A, Chizmar S, Haffke L, Trapuzzano A, Dawson N
Alison Mantel
2075 Using Data to Characterize a Skilled Nursing Facility Population: Preliminary Results to Inform Clinical Decision-Making Tools
Allison Gustavson*

2076 Associations between lower extremity strength and physical performance in community-dwelling older adults: differences among ACE genotype subgroups.
Goldberg A, Shuler K, Sucic JF, Talley S
Allon Goldberg

2077 Does peak propulsive force correlate with double support stance time in people with knee osteoarthritis?
Na A, Ko M, Gugala Z, Buchanan TS
Annalisa Na

2078 Effect of Aging on Lower Quarter Y-Balance Test in Healthy Women 50-79 Years Old
Autumn Oostindie

2079 Are Five-Times Sit-to-Stand Norms Different for Older Adults Who Meet Recommended Activity Levels?
Johansson C, Trieger K, Russell S, Stefan E, Hocevar K
Charity Johansson*

2080 Effectiveness of a community based fall prevention class in changing fall risk behaviors
Wellner C, Flinn NA, Shippee T
Christine Wellner

2081 Chronological Age and Functional Measurements Predict Dual Task Cost for Postural Sway while Using a Bimanual Task in Healthy Adults across All Ages
Liuzzo DM, Plumprer P, Stewart JC, Fritz SL
Derek Liuzzo
2082  Inertial Sensor and Kinematic Measures of Turning: Concurrent Validity in Older Adults with Cognitive Impairment  
McGough EL, Kelly VE, Gries M, Deol J, Teri L  
Ellen McGough

2083  Functional Circuit Training for Aging Adults to Improve Mobility, Balance and Fall Recovery  
Bruckman D, Condren K, Paris K, Pariser GL, Gillette PD  
Gina Pariser

2084  Impairment and Activity Limitation Changes in Assisted Living Facility Residents Over the Course of One Year – A Pilot Study  
Braden HJ, Larsen S, Luedeker R, Morgan C, Taylor CM  
Heather Braden

2085  The Relationship of the Lower Quarter Y-Balance Test to Dynamic Balance Measures in Healthy Women 50-79 Years Old  
Jacob Shepherd

2086  The Effects of Tai Chi on Individuals with Type 2 Diabetic Peripheral Neuropathy: A Systematic Review  
Hakey-Brusgul J, Vittone D, Woodworth T, Louis J  
Janet Hakey-Brusgul

2087  Creating and Validating a Self-Reported Measure of Mobility Limitation for Community-Dwelling Older Adults  
Haladay J  
Jill Haladay

2088  The Impact of the Walk With Ease Program on Pain, Ambulation and Self-Reported Quality of Life in Individuals with Lower Extremity Osteoarthritis.  
Mierzwicki J, Greer C, Good T, Reed D, Oriel KN  
Justin Mierzwicki

2089  The effectiveness of multifactorial fall prevention interventions in the frail community-dwelling population: a systematic review  
Karnish K, Heller KE, Pearson J, Petz J, Yoder A, Brogan L
2090  Is the Sit-to-Stand Test a Reliable Indicator of Mobility Decline in Middle-Aged Populations?
-Preliminary Analysis-
Faber LS, Yoshida Y
Lauren Faber

2091  Benefits of Physical Therapist Involvement in a Community-Based Program to Reduce the Negative Effects of Arthritis
Leann Kerr

2092  Impact of two group exercise programs on fall risk for people who participate in PACE, a case series
Eagler L, Elam P, Elam SW, Bell A
LeeAnn Eagler

2093  Characteristics of Community-Dwelling Older Adults Who Respond to a Timing and Coordination Group Exercise Program
Coffman L, Perera S, Brach J
Leslie Coffman

2094  The relationship between frailty and physical performance measures in older adult Medicaid clients.
Danilovich M, Ciolino J, Diaz LE, Corcos DM
Margaret Danilovich*

2095  Influence of initial limb load and hip abductor-adductor muscle performance on lateral protective stepping in younger and older adults.
Inacio M, Creath R, Rogers MW
Mario Inacio

2096  Self-reported fall risk management and falls among older cancer survivors in the Medicare Advantage population
Huang M, Godoshian M, Blackwood J, Pfalzer LA
Min Hui Huang
2097 Demographic, patient-reported health outcome, and cancer-related predictors of falls in older breast and prostate cancer survivors: A retrospective cohort study of Surveillance, Epidemiology and End Results-Medicare Health Outcomes Survey Linkage

Huang M, Godoshian M, Blackwood J, Neuman E, Pfalzer LA
Min Hui Huang

2098 Falls risk and utilization of balance training by physical therapists for adults with symptomatic knee osteoarthritis

Anderson ML, Allen KD, Golightly YM, Hill CH
Monica Anderson

2099 The Effectiveness of TENS, PENS, and Electromagnetic Stimulation for Reducing Lower Extremity Pain Due to Diabetic Peripheral Neuropathy: A Systematic Review and Meta-analysis

Kietrys D, DaTorre J, Lopez A, Kaczka K, Kline M, Gandhi C, Wills DA
Morgan Kline

2100 Effectiveness of a Protective Stepping Class to Reduce Fall Risk in Community-Dwelling Older Adults

MacCabe A, Jordre B, Inglis L, Stueven N, Emily J, Lesser E
Natalie Stueven


Patricia Cahoj

2102 Are older adults with balance deficits particularly challenged by the Cognitive Timed Up-and-Go?

Pohl PS, Bosch PR, Ganley K, Mayer JE, Gras LZ
Patricia Pohl*

2103 Pain provocation and the energy cost of walking: a matched, comparison study of older adults with chronic low back and radicular leg pain

Coyle PC, Pugliese J, Schrack J, Hicks GE
Peter Coyle
2104  Can we make the frail, unfrail? The case of a patient completing cardiac rehabilitation.
Smith R, Allsup K, Kellar G, Forman D
Rebecca Smith

2105  Association of The Patient Reported Outcomes Measurement System Scales with Physical Performance Measures in Patients with Chronic Kidney Disease
Marcus RL, Thackeray A, Painter P
Robin Marcus

2106  Feasibility of Implementing a Fall Prevention Program using Telemedicine and Interprofessional Collaboration: Lessons Learned from a Pilot Project
Brotherton SS, Brown D, VanRavenstein K
Sandra Brotherton

2107  Assessing Forward Head Posture, Balance, and Risk for Falls in Community Dwelling Older Adults
Migliarese SJ, Anastopoulos JT, Burkhart J
Sara Migliarese

2108  Evaluating a Group Community Fall Prevention Program on Fear of Falling and Falls-Efficacy
Lenahan S, Mangulabnan A
Shannon Lenahan

2109  Stepping-Up: Preventing Falls and Improving Mobility among Community-Dwelling Older Adults
Dufour SP, Richardson J, Sinclair S, Ploeg J
Sinéad Dufour

2110  Process Improvement to Enhance the Care of Persons with Parkinson’s Disease
Stephen Carp
2111 Do older social dancers have improved static and dynamic postural control when compared to non-dancers?

*Gordon SP, Sidaway B, DeLuca J, Freeland A, Ndamba K, Pineo T, Shanahan R*

Suzanne Gordon

2112 Mild cognitive impairment (MCI) is predictive of reduced mobility and walking speed.

*Staples WH, Arvin K, Clifton L, Schrader T, Cram Z*

William Staples

2113 Incorporating health promotion into outpatient physical therapist clinical practice: a case report

*Rethorn ZD*

Zachary Rethorn

2114 Moderators of the Relationship Between Participation in A Matter of Balance Program and Improved Balance Confidence

*Sartor-Glittenberg C, Bison N, Fernandes S, Alexander JL, Bay C, Bordenave LM, Bordenave EL*

Cecelia Sartor-Glittenberg

2115 Evaluation of an Academic-Community Partnership Project to Deliver A Matter of Balance (MOB) to Older Adults with Osteoarthritis in Low-Income Senior Housing

*White L, Gubler C, Cochran V, Dowell D, Latham TM*

Laura White

*Geriatrics: Mental Health*

2116 A proposed framework for the role of physical therapy in a multi-disciplinary approach to treating depression.

*Newton JH, VanDerwerker CJ, Ross RE, Seif GA, VanSwearingen J, Gregory C*

Jennifer Newton

*Geriatrics: Osteoporosis*

2117 The Effects of a 4-week Postural Intervention of Manual Therapy and Therapeutic Exercise on Posture and Pulmonary Function in a Healthy Older Woman: A Case Study.
Adrianna Laprea

2118 Severe Neuropathic Glenohumeral Joint Resorption in an Older Woman Status Post Total Knee Arthroplasty: An Imaging Case Report
Safford D
Daniel W. Safford

2119 Relationship of Muscle Morphology to Power and Function after Hip Fracture
Eastlack M, Behre MK, Sisson K, Besser MP, Mangione KK, Craik RL
Marty Eastlack

Health Policy and Administration
2120 A Brief Intervention Model of Physical Therapy Within the Community Health Care Center
Sartor-Glittenberg C, Hodges C, Burch AL, Bay C, Ibarrola RT, Suniga-Cadavid M
Cecelia Sartor-Glittenberg

2121 Factors That Influence Selection of Initial Employment by New Graduate Physical Therapists
White L
Laura White

2122 Special Olympics Healthy Athletes ® and Fall Risk in People with ID: An innovative community-campus partnership
Golub-Victor A, Fitzpatrick DF, Dodman M, Mazzone L, Ross BT
Ann Golub-Victor

2123 Health and Fitness Outcomes Among High School Adolescents From Medically Underserved Populations (MUP)
Nunez-Gaunaurd A, Jaffe LA, Kuik M, Mena J, Mezzasalma E, Mitchel R, Gaunaurd IA, Raya M
Annabel Nunez-Gaunaurd

2124 A global health initiative for teaching pediatric clinical decision making skills to Rwandan physical therapists: an education process case report
Clark K, Whalen CN, Kohls L, Musabyemariya I, Kayonga Ntagungira E, Mann M, Fisher S
Cara Whalen

2125  Filling the Gap! Pro Bono Care with Student Physical Therapists: A Pilot Study
Cranedell C, Black JD, Dole RL, Palombo KM
Catherine Crandell

2126  Survey on utility of yoga as an alternative therapy for occupational hazards among physical therapists
Szydlowski G, Rogers CJ, Drews K, Ross MD
Chelby Rogers

Hager S, Wiese SM, Sherd K, Kerfeld CI
Cheryl Kerfeld*

2128  Sustainability of Student-Run Service Learning Organizations.
Coombs A, Rissman C, Kerfeld CI
Cheryl Kerfeld*

2129  Patient Independence and Falls Reduction in Inpatient Rehabilitation: A Team Approach
Ness D
Debra Ness

2130  Does Active Goal Setting, as an Intervention, Improve Treatment Outcomes for Patients Receiving Physical Therapy? A Systematic Review
Haladay DE, Calantoni A, Knight M, Moser G, Taylor B, Anderson S, Heintz M
Douglas Haladay

2131  Same-day Physical Therapy Consults in a Neuromuscular Disease Physician Clinic: A Conceptual Model of Care
Pucillo EM, McIntyre MM
Evan Pucillo
2132 Factors Affecting G-Code Prognostic Accuracy in Medicare Beneficiaries Receiving Outpatient Physical Therapy
Hartley GW, Roach KE, Buisson VM, Fath P, Miller JR
Greg Hartley

2133 Team Work Makes the Dream Work: Interprofessional Collaboration in Student-run Pro Bono Clinic
Krempasky J, Black JD
Jaclyn Krempasky

2134 Building Cultural Bridges: Health Promotion with the Hmong Community
Anderson S, Falk CA, Gmiterko N, Reff TA, Ruhland K, Lojovich JM
Jeanne Lojovich*

2135 Development of a Balance Screening Program for Low-income Older Adults
Cooper CT, Eisenhuth R, Hansen R, Mattson T, Noll A, Van Der Weerd K, Lojovich JM
Jeanne Lojovich

2136 The Impact of Part-Time, Collaborative Integrated Clinical Experiences on Revenue and Patient Satisfaction
Bell JJ, Ostertag SA, Levison DL, Carson JC
Jennifer Bell

2137 The Impact of a Community Based Exercise Program on Somali Immigrants Residing in Subsidized Housing
Miller JB, Sellheim DO, Mueller LC, Berggren K, Gerardi M
Jennifer Miller

2138 Transforming the Delivery of Total Joint Care.
Fenimore J, Smith L
Jill Fenimore

2139 Patient outcome measures from a student run pro bono physical therapy clinic within an academic health system
Segura JD, Vogel-Castellanos BL, Harris B, Botill K, Tsiknakis M, Dhah J, Kirk-Sanchez NJ, Glynn TK
Johanna Segura

2140 An updated profile and earnings analysis of U.S. physical therapists
Chevan J
Julia Chevan

2141 An Investigation of the impact of social and physical participation on the quality of life of the elderly in a Nicaraguan adult care center
Booth J, ferrero S, Mascali K, Moriarty K, Giordano J
Julie Booth

2143 Marketing Services to Transform Society: How a Marketing Project has Fostered Student Leadership Growth while Achieving Referral of Clients in Need of Pro Bono Service
Gilfillan J, Rutledge P, Harmon L, McDevitt M, Black JD
Justin Gilfillan

2144 Balancing Inclusion and Use of Outcomes Instruments in the Physical Therapy Outcomes Registry
Chesbrough K, Crockett R, Elrod M, Smith H, Irrgang JJ
Karen Chesbrough

2145 Physical Therapy Outcomes Registry: A Multi-Dimensional Data Collection System
Chesbrough K, Crockett R, Elrod M, Smith H, Irrgang JJ
Karen Chesbrough

2146 Implementation of patient-centric, interdisciplinary virtual handoffs across the post-acute continuum
Baasch K
Kimberly Baasch

2147 National Fall Prevention Program in Trinidad and Tobago: A Collaborative Model
Kimberly Nowakowski

2148 Pro Bono Clinic Management and Utilization within Physical Therapist Education Programs in the United States
Steinbarger K, Morren KK, Goulet KA, Knecht S, Moscone M, Nicastro E
Kimberly Steinbarger

2149 Leadership Education in Healthcare Professional Entry-Level Programs: A Review of the Literature.
Thompson KA, Grix A, Stevenson A, Wideman M
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2150 Physical Therapy for Medically Underserved Residents in Rural America: A Short-Term Service Learning Experience
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