

## 2025 POSTER PRESENTATIONS

### Number

### Friday Poster Presentations 17 October 2025

It Only Gets Worse...Or Does It? The Relationship Between Pain Duration and Psychological Factors

1 Alcon, C; Haymore, A; Kale, J; Walker, K

Promoting Neurorecovery and Functional Independence in Spinal Cord Rehabilitation: A Case Report

2 Andrews, J; Raby, J; McGaughy, C; Jones, B; Carpenter, G

MANUAL THERAPY TO IMPROVE GAIT SPEED STATUS-POST STROKE: A CASE STUDY

3 Avery, A; Cook, M; Creed, P; Pridgen, M; Carpenter, G

THE BIOPSYCHOSOCIAL MODEL: A CASE REPORT FOLLOWING POST-STROKE RECOVERY IN A SPANISH SPEAKING PATIENT

4 Bright, C; Marsh, K; Sheppard, D; Warmack, J; Carpenter, G

Radiographic Foot Alignment and Foot Posture Index-6 in diabetic neuropathic feet in the early stages of the Chronic Kidney Disease-Mineral Bone Disorder syndrome.

5 Coleman, A; Sheppard, D; Smith, S; Powers, O; Migel, K; Jones, M; Sinacore, D

Decline in Physical Function in the early stages of the Chronic Kidney Disease-Mineral Bone Disorder syndrome.

6 Coleman, A; Smith, S; Sheppard, D; Powers, O; Sinacore, D

THE IMPORTANCE OF CONTINUOUS SYSTEM SCREENING IN A DIRECT ACCESS CLINIC

7 Frycklund C, R Haynes, C; McCarter, G; Woodard

EVALUATING PAIN NEUROSCIENCE EDUCATION FOR CHRONIC SACROILLIAC JOINT DYSFUNCTION & LOW BACK PAIN: CASE STUDY

8 Gallegos, R; Eason, T; Jones, O; Reilly, K; Hogg, J

TREATING THE IMPAIRMENTS VERSUS TREATING A DIAGNOSIS: A CASE STUDY

9 Holbrooks, A; Dillahun, M; Sicut, R

OZEMPICTM AND CHRONIC SHOULDER PAIN IN A MEDICALLY COMPLEX PATIENT: A CASE STUDY

10 Macchio A, H. Engels, L. VanDerStad, M. Kamer, G. Carpenter

Addressing Distal Neuropathies Through Proximal Treatment: A Case Report

11 Mattfield, M; Massey, C; Sealey, C; Zoch, C

CRUISING THROUGH PHYSICAL THERAPY: A CASE STUDY FOLLOWING INTERVENTIONS AND REHAB SUCCESS AFTER A SUBACUTE PATELLAR DISLOCATION

12 McCarthy, A; Polanco, A; Glodoski, G; Mills, K; Hillman, C

VASCULAR IMMUNE FUNCTION IN IMPAIRED DIABETIC FOOT ULCER HEALING

13 McClellan, L., Clark K., Powers, O., Sinacore, D.

WORK SIMULATED DUAL-TASK TRAINING TO IMPROVE DYNAMIC NAVIGATION IN A HIGHLY MOTIVATED POST-CVA PATIENT

14 Mckay, D; Freeman, E; Crouch, K; Klein, E; Anderson, K

DPT STUDENT STUDY HABITS AND STRATEGIES DURING FINAL CLINICAL ROTATION AND NPTE SUCCESS

15 Medendorp, R; Kahya, M; McClellan, L; Nubson, D

BREAK THE BRACE: A CASE STUDY WITH A MULTIMODAL APPROACH TO CERVICAL FRACTURE REHAB

16 Nosal, A; Whittington, E; Norland, A; Langston, C; Zoch, C

DIFFERENTIATING MUSCULAR AND JOINT CONTRIBUTIONS IN NECK PAIN WITH ASSOCIATED HEADACHE: A CLINICAL CASE REPORT

17 Paynter, A; Jackson, K; Jennings, G; Maynor, S; Zoch, C.

A Cross Correlation Analysis Between Force Plate and In-shoe Pressure Measurements in Healthy Individuals

18 Pridgen, G; Richardson, A; Migel, K

EFFECTS OF HEART RATE INTENSITY ON POSTSTROKE RECOVERY: A CLINICAL CASE REPORT

19 Richardson, A; Holloway, B; Brewer, B; Warren, B; Doughton, K

- Running Biomechanics Differences Between Body Mass Index Groups of Soldiers using Markerless Motion Capture
- 20** Rochester, K; Reilly, N; Tucker, C; Marshall, A; Hess, G; Holloway, B; Masalleras, D; Ford, K; Goss, D
- The Effects of Initiating Treatment with Manual Therapy vs Therapeutic Exercise on Range of Motion
- 21** Sauchelli, J.; Ross, K.; Nubson, D.; McDermott, B.; Mabry, L.; Carpenter, G.
- Detecting Spatiotemporal Gait disturbances in the early stages of the Chronic Kidney Disease-Mineral Bone Disorder syndrome.
- 22** Sheppard, D., Coleman, A., Smith, S., Powers, O., Sinacore, D.
- Foot Posture Index-6 in diabetic neuropathic feet in the early stages of the Chronic Kidney Disease-Mineral Bone Disorder syndrome.
- 23** Smith, S Coleman, A Sheppard, D Powers, O Migel, K Sinacore, D
- THE IMPACTS OF IASTM ON RANGE OF MOTION AND PAIN IN A POSTOPERATIVE MICRODISCECTOMY PATIENT
- 24** Thompson, K; Green, S; Abee, K; Kronenberg, J; Alcon, C; Hogg, J
- Integrating Motivational Interviewing and Mindfulness to Address Psychological Barriers during SCI Rehabilitation: A Case Report
- 25** Adamo, S; Smith, A; Reynolds, K; Feld, J
- Powering Performance: LSVT BIG's Impact on TUG Times in Parkinson's (H&Y 1-3)
- 26** Biber, A., Johnson, V., Lauchlan, B., Ortiz, K., Eubanks, B.
- Prevention of Unplanned Extubations (UE) in the Newborn Critical Care Center and Pediatric Intensive Care Unit
- 27** Boe, C; Hardenberger, N; Clement, K; Yazawa, E
- The Effectiveness of Thoracic Mobility on Aerobic Capacity in a Patient with a Traumatic Brain Injury: A Case Study
- 28** Brohaugh, H; Fish, A; Medlin, K; Baker, R; Green, K
- MOTHERHOOD POST-STROKE: SALIENT INTERVENTIONS IMPROVE MOBILITY, CHILDCARE ENDURANCE, ENGAGEMENT IN PLAY, AND RETURN TO WORK
- 29** Brown, H\*; Cooney, A\*; Feld, J; Reynolds, K
- Real Time Feedback Alters Hip Contact Joint Forces during Running
- 30** Burkett, C., Willy, R., Willson, J., Meardon, S.
- Coordination of Sagittal Plane with Perturbations during Symmetric and Asymmetric Walking
- 31** Carico, E; Deanes, M; Wedge, R
- Student Management of Post-MCA Stroke in a 64-year-old Ultra-Marathon Runner
- 32** Cooney, A; Clavier, J; Dreusicke, L; Douglas, J; Chen, L; Ramger, B; Sauter, C
- Frontal Plane Coordination During Symmetric and Asymmetric Walking with Slip and Trip Perturbations
- 33** Deanes, M.; Carico, E.; Wedge, R.
- EFFECTS OF MODE OF PRENATAL EXERCISE IN MOTHERS WITH GESTATIONAL DIABETES ON INFANT NEUROMOTOR OUTCOMES
- 34** Ehrhardt M, Shoaf M, Kern K, Claiborne A, Wu Q, Surkar S, Tinius R, McMillan AG, May LE
- IMPLEMENTATION OF HIGH-INTENSITY GAIT TRAINING AND NEUROPLASTICITY PRINCIPLES IN AN ENTRY-LEVEL PATIENT MANAGEMENT COURSE
- 35** Ei, K; Brown, H; Schneider, L; Tosten, S; Willinger, M; Ramger, B; Clewley, D
- FATIGUE, FATIGUABILITY, AND GAIT CHANGES FOLLOWING LARGE AMPLITUDE PLUS TREADMILL TRAINING IN ADVANCED PARKINSON'S DISEASE
- 36** Essex D, Thomas A, Ramsey C
- STEPPING BACK TO MOVE FORWARD: EVALUATING THE EFFECTIVENESS OF BACKWARD WALKING IN STROKE REHABILITATION
- 37** Eubanks, B., Carter, E., Revenaugh, H., Spangler, J.

PARTNERING WITH A NON-FLUENT PERSON TO FACILITATE FUNCTIONAL IMPROVEMENT FIVE YEARS POST-STROKE: A CASE STUDY

38 Flores, R, \*Irick, M, Feld, JA, Farrell, R

ADVANCING STUDENT PHYSICAL THERAPIST EDUCATION THROUGH AN EXPERIENTIAL, ERROR-BASED PRACTICE MODEL

39 Flores, R, Jager, G, Wang, K, Francisco, M

REDUCING FALL RISK FOR AN OLDER ADULT WITH PERSEVERANCE AND NEGLECT POST-STROKE: A CASE REPORT

40 Flores, R, Jager, G, Wang, K, Francisco, M, Clewley, D

The Impact of Physical Therapy Habilitation on Functional Outcomes in Obese Youth: Outpatient Intervention Case Series

40.1 Marino, B; Kempert, H

The Impact of Outpatient Physical Therapy on Motor Proficiency, Flexibility, and Cardiovascular Endurance in Obese Youth

40.2 Kempert, H

Exploratory Study on Health Disparities to Inform a Wellness Clinic at the Intergenerational Center

40.3 Migliarese, S, Martin, J, Fullam, C, McCloud, M, Smith, M, Stuckey, D

### Saturday Poster Presentations 18 October 2025

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41 Garcia, A; Goins, T; Eubanks, B

Intensive, Student-Led Physical Therapy Improves Wheelchair Level Function for Chronic SCI Participant; A Case Study

42 Grunzke J, \*Ringo M, King C, Feld J

Six-Week Student-Led Task-Specific Physical Therapy Improves Balance Confidence in Chronic Stroke Survivor; A Case Study

43 Horan S, \*Jenq W, \*Matsuoka J, \*Ringo M, Nixon E, Ramger B, Clewley D

The Effects of Virtual Reality Training versus Conventional Physical Therapy on Balance in Patients with Parkinson's

44 Jackson, M; Tyndall, R; Parker, A; Leineke, L

Functional Improvements for Stroke Patient After Initial Neuroplasticity Phase Through Student-Run Physical Therapy Interventions

45 Jankovic M, Kosik M, Dixit I, Morris A, Cunningham A, Ramger B, Clewley D

46 Moved to Friday

Biopsychosocial Treatment Enhances Outcomes for a Patient with Overactive Bladder, Multiple Sclerosis, and Stress Dysregulation

47 Lewis, N

Pediatric Social Holds in the Mergency Department: A University-Based DPT Initiative

Libhardt M SPT, Ashley Avelino SPT, Adden Howard SPT, Vivian Jackson SPT, Wayne Rode SPT, Mary

48 Swiggum PT, PhD, Karen Friel PT, DHS

INTEGRATING THERAPEUTIC EXERCISE AND FES TO IMPROVE BALANCE IN A PATIENT WITH BROWN-SÉQUARD SYNDROME

49 Loeffler, J; Baker, R

Musculoskeletal Injury and Postural Control Across the Lifespan

50 Lowry, Caroline; Lin, Chia-Cheng; Meardon, S

Improving Aerobic Capacity using Land-Based and Aquatic Interventions in a Patient with Bilateral Transfemoral Amputations: A Case Report.

51 Macon, E; Underwood, K; Green, K; Goins, TR; Leineke, L

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52 Marino, B; Kempert, H

Practicing What I Preach: A Physical Therapist's Experience After ACLR, LET, and Meniscal Repair

53 Martino, J

From Stretching To Staging: Deep Gluteal Pain or Something Sinister?

54 Martino, J

Impact of short-term high-intensity dynamic balance training on balance, self-efficacy, and function in chronic stroke

55 Matsuoka JM, Schneider L, Hoder M, Feld, JA

THE LONG-TERM EFFECTS OF AN INTERDISCIPLINARY GROUP EXERCISE PROGRAM IN PEOPLE WITH PARKINSON'S DISEASE

56 McDowell, C; Morgan, S; Lin, C; Turbeville, L; Wedge, A

IMPACT OF PULMONARY REHAB ON SPPB SCORES IN INDIVIDUALS WITH COPD: A QUALITY ASSURANCE PROJECT

57 McGuirk, C.

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EVALUATING FEASIBILITY OF GOAL DIRECTED WALKING IN PERSONS WITH COGNITIVE IMPAIRMENT

59 Miles, K; Thompson, M; Price, M; Coco-Ripp, J; Foxworth, J

EFFECT OF ROBOTIC BODY WEIGHT SUPPORT TREADMILL TRAINING COMBINED WITH AQUATIC THERAPY IN SCI REHABILITATION

60 Mitchell, J; Peele, H

Translating the Secondary Prevention Model into Clinical Practice with an Individual with Parkinson's Disease

61 Morgan, S; McDowell, D; Lin, C; Wedge, A

THE EFFECTS OF A NATURAL DISASTER ON IMMEDIATE AND LONG-TERM STUDENT SUCCESS IN A DOCTOR OF PHYSICAL THERAPY PROGRAM

62 Ollendick, K; Carzoli, J

EFFECTS OF PRENATAL EXERCISE MODE ON MOTOR SKILLS OF CHILDREN AT 3-4 YEARS

63 Peterman S, Steen D, Kern K, Wisseman B, Strom C, Gross A, McMillan, May L

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64 Pittman, Padhye, Wedge, Meardon, Willson

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65 Polk, J., Black, A., Calderon, H., Gerald, I., Polk, A.G., Rivera, A., Swiggum, M.

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66 Savage N, Barnes K, Barrett P, Dobbins A

Predictive validity and responsiveness of the osteoarthritis initiative-specific frailty index in patients undergoing total joint arthroplasty: a longitudinal analysis

67 Savage N, Carboni J, Holder O, and Langley C

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68 Shand H, Zsoldos S, Lin C-C

PT-Guided Stress Management for E-Sports Athletes: Impact on Performance & Focus

69 Staadt, T; Tai, J; Eubanks, B

Strides of Innovation: 3D Printed AFOs and Enhancing Gait in Underserved Communities – A Case Report

70 Stoner, J; Wendt, C; Crumb, E; Ingram, C

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71 Swofford, A; Andrews, A

A Machine Learning Approach to Classify Parkinson's Disease Using Saccadic Eye Movement Characteristics  
**72** Thill, C; Wu, R; Rodriguez, G; Hall, R; Wedge, A; Lin, C

Implementation of the Neck Pain Clinical Practice Guideline in an Entry-Level Patient Management Course  
**73** Tosten, S; Brown, H; Ei, K; Schneider, L; LeBlond, N; Clewley, D

**74** Moved to Friday

Student-Led Case Study of Patient with Chronic Stroke  
**75** Wentz ,M., Roque, A., Cunningham, A., and Ramger, B.

Management of Knee Osteoarthritis in a Group Physical Therapy Setting  
**76** White T, Gilder M, Johnson S

Does having a history of upper extremity injury in NASCAR pit crew members predict impaired grip strength on the involved side?  
**77** Zacharyasz L; Sell T; Zerega R; Taylor R; Lennon A; Phelan M

Restoring Motion: Student Physical Therapists Address Chronic Low Back Pain in Hybrid Clinical Education Setting  
**78** Zaun, M; Bushinski, A; Fortin, C; Nichols, M; Gauharou, M; Hillsinger, M; Clewley, D

Does Yoga, Compared to no Exercise, Shorten Labor Duration in Pregnant Women Over Age 18?  
**79** Zino, A; Flores, K; Brannum, K; Manigo, N; Eubanks, B; Green, K