



11/2022-04/2024 , All Physical Therapy Tele-PT West Hub  
 09/2020-11/2022 , All Physical Therapy Ann Arbor/Dexter MI  
 08/2019-09/2020 , All Physical Therapy Ann Arbor MI  
 01/2018-08/2019 , All Physical Therapy, Belleville MI  
 08/2016-12/2017 , PT Solutions Physical Therapy, Palm Coast  
 FL

**Peer Reviewed Publications:**

., Matheny, M, Kirichenko, N, Salaya, Y, Bruce, E, Toklu, HZ, Carter, CS., Morgan, D, Turner, N, Scapace, PJ 2016 Onset of Leptin Resistance Shows Temporal Differences Related to Dose or Pulsed Treatment. *Eur J Pharmacol*. 2016 May 15; 779:177-85

Toklu, HZ, Miller-Delp, J, Sakazaya, Y., Oktay, S., Kirichenko, N, Matheny, M, Carter, CS., Morgan, D, Turner, N, Scapace, PJ. High dietary fructose does not exacerbate the detrimental consequences of high fat diet on basilar artery function. *J Physiol Pharmacol*. 2016 Apr; 67(2):205-16

Carter, CS., Khaniss, D, Matheny, M, Toklu, HZ, Kirichenko, N, Turner, N, Scapace, PJ, Morgan, D 2015 Rapamycin Versus Intermittent Feeding Dissociable Effects on Physiological and Behavioral Outcomes When Initiated Early and Late in Life. *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences* Jul; 71(7):866-75

Scapace, PJ, Matheny, M, Toklu, HZ, Kirichenko, N, Carter, CS., Morgan, D, Turner, N 2015 Rapamycin Normalizes Serum Leptin by Alleviating Obesity and Reducing Leptin Synthesis in Aged Rats. *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences* Jul; 71(7):891-9

Matheny, M, King, M, Turner, N, Scapace, PJ 2014 Targeted leptin receptor blockade: role of ventral tegmental area and nucleus of the solitary tract leptin receptors in body weight homeostasis. *Journal of Endocrinology* 222(1): 27-41.

Mazetti, E, Calvani, R, Dupree, J, Lees, HA, Giovannini, S., Seo, DO, Buford, TW, Sweet, K, Morgan, D, Diz, D, Borst, S.E., Moringla, N, Krotova, K, Carter, C.S. 2012 Late life enalapril administration induces nitric oxide dependent and independent metabolic adaptations in the rat skeletal muscle. *AGE* 35(4): 1061-1075

Scapace, E.T, Matheny, M, Shapiro, A, Cheng, KY, Turner, N, Scapace, P.J 2012 Simultaneous introduction of a novel high fat diet and wheel running induces anorexia. *Physiology and Behavior* 105(4):909-14

**Peer Reviewed Scientific and Professional Presentations:**

Scapace P.J, Matheny MK, Tümer; N 2013 Response to VTA leptin overexpression is partially mediated by leptin receptor activity in the hypothalamus. American Peptide Symposium 2013, Kona, HI Poster:

Matheny, MK, Gomez, M, Scapace, P.J 2012 Blockade of melanocortin 3/4 receptors does not prevent the reduction of high fat diet intake during voluntary wheel running Society for the Study of Ingestive Behavior Meeting 2012, Zurich, Switzerland Poster:

Shapiro, A, Ryder; D, Tümer; N, Scapace P.J 2011. Fructose induced leptin resistance involves impaired AMPK but intact STAT3 signaling Obesity Society Meeting 2011, Orlando, FL & Abstracts of the 19th Annual Meeting of the Society for the Study of Ingestive Behavior (SSIB), 12-16 July 2011, Clearwater, Florida 57, Supplement 1: S40 2011. Poster:

**Non Peer Reviewed Scientific and Professional Presentations:**

09/10/2024

Evaluation and Treatment of the Orthopedic Patient in Telerehabilitation, Continuing Education Course (30CEU), University of South Alabama

**Funded/In Review Grant Activity:**

Role: Principal Investigator

Direct Costs: \$4516

Title: Validity of Self Completed Functional Strength Assessment in Virtual Rehabilitation Practice

Co investigators: Matthew Hassel, OJD, OIRL, CHI; Richard Caharin IV, PT, DPT, PhD

Funding Period: 2024-2025

Agency: Covey College of Allied Health Profession Collaborative Research Support Grant

Role: Principal Investigator

Direct Costs: \$40,000

Title: Validity of Joint Range of Motion Measurement by Telerehabilitation Physical Therapists

Funding Period: 2025-2026

Agency: Foundation for Physical Therapy Research Research

**Current/Active Research Activity:**

Role: Principal Investigator

Title: Self Completed Functional Strength Assessment in Virtual Rehabilitation

Funding: CORS 2024-25 Grant

Role: Principal Investigator

Title: Validation of Still Image Goniometry for Selected Joint Motion Assessment via Telerehabilitation

Funding: Seeking

**Role: Principal Investigator**

**Title: Virtual Delivery of Pelvic Health Physical Therapy on Urinary Incontinence and Fall Risk in Aged Individuals Lacking Access to Care**

**Co-investigators: Shawn Dale PT PhD, Allyson Shea PhD**

**Funding Seeking: NHR08**

**Role: Co Investigator**

**Title: Effects of myofascial release of anterior sling on abdominal obliques and contralateral hip adductor muscle strength**

**Principal Investigator: Shawn Dale PT PhD**

**Membership in Scientific/Professional Organizations:**

**10/2013 Current** American Physical Therapy Association, Member # 652266

Academy of Orthopaedic Physical Therapy

American Academy of Sports Physical Therapy

**11/2007 Current** βββ National Biologi ▲



**08/23/2024**      **ACL Rehab, What Else Could We Possibly Do? APTA AL (2.4 Contact Hours).**

**04/09/2024**      **Advanced Musculoskeletal Management of the Distal UE, MedBridge Online (1.5 Contact Hours).**

**04/09/2024**      **Evidence Based Examination of the Elbow, Wrist, and Hand An Update, MedBridge Online (2.0 Contact Hours).**

**04/09/2024**      **Evidence Based Treatment of the Elbow, Wrist, and Hand An Update, MedBridge Online (1.75 Contact Hours).**

**02/02/2024**      **Evaluation Strategies for the Pelvic Floor; MedBridge Online (1.5 Contact Hours).**

**02/02/2024**      **Functions and Dysfunctions of the Pelvic Girdle and Pelvic Floor; MedBridge Online (1.75 Contact Hours).**

**02/02/2024**      **Orthopedic Connections to Pelvic Floor Dysfunction, MedBridge Online (1.75 Contact Hours).**

**02/02/2024**      **Treatment Strategies for the Pelvic Girdle and Pelvic Floor; MedBridge Online (1.75 Contact Hours).**

**02/01/2024**      **Telehealth for Pelvic Health: Creating Accessibility, MedBridge Online (1.75 Contact Hours).**

**12/08/2023**      **Suicide Care for Physical and Occupational Therapists (2023), MedBridge Online (3.5 Contact Hours).**

**11/03/2023**      **Evidence Informed Treatment of Shoulder Impingement Syndrome, MedBridge Online (1.0 Contact Hours).**

**11/2/2023**      **Clinical Practice Guidelines for Diagnosis and Treatment of Concussion, MedBridge Online (1.25 Contact Hours).**

**10/06/2023**      **Medical Spanish for Rehabilitation Professionals, MedBridge Online (1.0 Contact Hours).**

**10/06/2023**      **Preoperative Pain Neuroscience Education for Knees and Shoulders, MedBridge Online (1.0 Contact Hours).**

**09/27/2023**      **Foundations of Implicit and Unconscious Bias, MedBridge Online (1.0 Contact Hours).**

**09/27/2023**      **The Pain Epidemic and Biopsychosocial Model, MedBridge Online (1.5 Contact Hours).**

**04/13/2023**      **Effective Interventions for Lower Level Patients, MedBridge Online (1.25 Contact Hours).**

**11/15/2022**      **Rehabilitation of the Throwing Shoulder; MedBridge Online (1.75 Contact Hours).**

**11/15/2022** Return to Sport of the Overhead Athlete, MedBridge Online (2.0 Contact Hours).

**11/11/2022** Telehealth Delivering Virtual Interventions, MedBridge Online (1.25 Contact Hours).

**11/11/2022** Wheelchair Power Mobility Assessment: Power Seating, MedBridge Online (1.25 Contact Hours).

**11/10/2022** Telehealth Conducting a Virtual Subjective Exam, MedBridge Online (1.25 Contact Hours).

**11/10/2022** Telehealth Performing a Virtual Objective Exam, MedBridge Online (1.5 Contact Hours).

**11/07/2022** Telehealth An Introduction to Virtual Care, MedBridge Online (1.75 Contact Hours).

**08/31/2022** Alabama Physical Therapy Practice Act & Rules, Jurisprudence & Ethics, MedBridge Online (2.25 Contact Hours).

**07/08/2022** Rehabilitation Research Boot Camp: Errors, Fraud, & Outliers, MedBridge Online (2.0 Contact Hours).

**07/07/2022** Hip Arthroplasty: Improving Gait- An Update, MedBridge Online (1.0 Contact Hours).

**07/07/2022** Knee Arthroplasty: Increasing Range of Motion- An Update, MedBridge Online (1.75 Contact Hours).

**07/07/2022** Shoulder Arthroplasty: Return to Function- An Update, MedBridge Online (1.75 Contact Hours).

**06/29/2022** Current Concepts in Joint Replacement: Following Arthroplasty- An Update, MedBridge Online (2.0 Contact Hours).

**06/29/2022** The Athlete's Hip: An Update on Athletic Groin Pain (Recorded Webinar), MedBridge Online (3.0 Contact Hours).

**06/29/2022** Troubleshooting Difficult Cases in Joint Arthroplasty, MedBridge Online (1.5 Contact Hours).

**06/28/2022** Evidence Based Treatment of the Foot and Ankle: An Update, MedBridge Online (1.25 Contact Hours).

**06/19/2022** Social and Cultural Constructs of Pain, MedBridge Online (1.5 Contact Hours).

**6/15/2022** Implicit Bias: Strategies to Counter Bias in Clinical Interactions, MedBridge Online (1.0 Contact Hours).

**06/06/2022** Differential Diagnosis of Lateral Elbow Pain, MedBridge Online (2.0 Contact Hours).

**06/06/2022** Treatment of Lateral Elbow Pain, MedBridge Online (1.5 Contact Hours).

**11/28/2021**

**Vestibular Compensation Exercises and Clinical Resources, MedBridge  
Online (1.0 Contact Hours).**

**08/27/2020**

**Respiratory**