

Research

Authors: Alison Kuechler, Julianne Sheehan, Ian Burgess, Marissa Daly

Title: Biomechanical Analysis of Vertical Oscillation Using Stryd Power Meter (TM)/ Motion Analysis Lab

Faulty Advisor: Matthew Somma

Topic(s): Running, Sports Medicine

Authors: Erin Hartigan, Jonathan Lindau, Taylor Lockwood, Valerie Nesom, Cassidy Sirois, Nan Solomons

Title: Utility of the Ready Set Return App in Aiding Return to Sport Rehabilitation following Anterior Cruciate Ligament Reconstruction

Faculty Advisor: Erin Hartigan

Topics: Sports Rehabilitation, Digital Health

Author(s): Annelise DePaulo, Laura Enk, Katrina Pham, Riley Shea

Title: The Effects of Thoracic Manipulation on Lower Extremity Adductors and Torso Musculature

Faculty Advisor: Michael Lawrence

Topic(s): Orthopedics

Author(s): Erika Simburger, Andrew Joyner, Alexandra Rahilly, Nicole Deloria

Title: Immediate and Sustained Reduction of Pain after the Reverse Hyperextension Exercise

Faculty Advisor: Michael Lawrence

Topic(s): Orthopedics

Author(s): Meghan Cartier, Kayla Kelly, Ashley McCorry, Casey Poirier

Title: Comparison of the electromyographic activity and firing pattern of the superior and inferior portions of the gluteus maximus muscle during open versus closed kinetic chain exercises

Faculty Advisor: Adrienne McAuley, Mike Lawrence

Topic(s): Orthopedic, Musculoskeletal Practice



2021 Annual DPT Poster Symposium

Opening Introductions

Jennifer Audette, PT, PhD

Program Director

Remarks

Karen Houseknecht, BS, MS, PhD, Associate Provost of Research and Scholarship

Remarks

Robyn Watson Ellerbe, PhD, MPH Vice President of Research at APTA & Heidi Kosakowski, PT, DPT, PhD, Senior Practice Specialist, APTA

Remarks

*James Townsend, PT, DPT, OCS
Class of 2015*

Remarks

*Sally McCormack Tutt, PT, DPT, MPH, EdD
Interim Dean,
Westbrook College of Health Professions*

Closing Remarks

*Jennifer Audette, PT, PhD
Program Director*

Case Reports

Author(s): Emily Hood, Hannah Jones, Natalie Johnson, Rachel Wright

Title: Effect of an Extended Acute Rehabilitation Stay on Functional Improvement after Middle Cerebral Artery Stroke: A Case Report

Course Instructor: Jim Cavanaugh

Topic(s): Stroke Rehabilitation

Author(s): Eric Norman, Kathryn Magee, Michael Madore, Tyler Calimer, Parker Nally

Title: Utilizing an Evidence-Based Practice Framework in Non-Operative ACL Rehabilitation – A Case Report

Course Instructor: Jim Cavanaugh

Topic(s): ACL Rehabilitation/Evidence-Based Practice

Authors: Kalyn Alibozek, Lucas Gagnon, Li Shen, Lila Williams

Title: The Impact of Psychosocial Complexities on Patient Adherence Following a Fall on Outstretched Hands: A Case Report

Faulty Advisor: Tara Paradie

Topic(s): elbow fracture, FOOSH injury, patient adherence, Psychosocial

Authors: Jillian Battista, Megan Chapski, Suma Varanasi, Jillian Witwicki

Title: The rehabilitation of a 75-year-old male presenting with a right hip flexor strain concomitant with numerous psychosocial factors: a case report

Faculty Advisor: Tara Paradie

Topic(s): Musculoskeletal Disorder, Psychosocial Factors

Authors: Erica Guimond, Brendan Adler, Spencer Bourassa, Hayden Buckhalt

Title: Cauda Equina Syndrome in a 53-Year-Old Female Following a Motor Vehicle Accident: A Case Report

Faculty Advisor: Molly Collin

Topic(s): Cauda equina syndrome, motor vehicle accident, red flag testing

Authors: Erica Blodgett, Katie Davis, Holley Sirois, Rachel Norman

Title: Physical Rehabilitation for a 29-year-old Female with Cerebral Palsy following a Tibial Tuberosity Osteotomy: A Case Report

Faulty Advisor: Molly Collin

Topic(s): Gait training, Cerebral Palsy, Tibial Tuberosity Osteotomy



**Department of Physical Therapy
Faculty & Staff**

Jennifer Audette, PT, PhD
Associate Professor/Program Director

James T. Cavanaugh, PT, PhD
Professor

Elizabeth Cyr, PT, DPT, PCS
Assistant Clinical Professor

Erin Hartigan, PT, DPT, PhD, ATC
Associate Professor

Michael Lawrence, MS
Assistant Teaching Professor/Assistant Program Director

Marissa F. Lyon, PT, DPT, PhD, NCS
Assistant Professor

Adrienne McAuley, PT, DPT, MEd, OCS, FAAOMPT
Associate Clinical Professor

Tara Paradie, PT, MS
Assistant Clinical Professor/Director
of Clinical Education

Eileen Ricci, PT, DPT, MS, PCS
Associate Clinical Professor
ME LEND Program Director

Katherine S. Rudolph, PT, PhD
Associate Professor
Motion Analysis Laboratory Director

Matthew Somma, PT, DPT, MTC, CSCS
Assistant Clinical Professor

Scott Stackhouse, PT, PhD
Associate Professor

Elena Lippolis
Staff Assistant

Grace Makley, BFA
Clinical Placement Coordinator

Author(s): Lauren Montgomery, Maryam Nahidian, Sydney Charles

Title: Using Parent-generated Videos to Perform the General Movements Assessment in High-risk Infants

Faculty Advisor: Eileen Ricci

Topic(s): Pediatrics, High-Risk Infants, Early Identification, Cerebral Palsy, Parent Involvement

Authors: Matthew Anderson, Anna Cook, Sarah Haase, Kaitlin Knox, Chad Winn, Katherine S. Rudolph

Title: Reactions to Noxious Electrical Stimulation in Healthy Participants

Faulty Advisor: Katherine S. Rudolph

Topic(s): Pain, clinical research

Authors: Magaret Adeloye, Kyoung Kong, Sumin Seo, Jennifer Vasquez, Katherine S. Rudolph

Title: Alterations in Knee Control in People with Pain from Knee Osteoarthritis

Faulty Advisor: Katherine S. Rudolph

Topic(s): Pain, motor control

Authors: Meghan Hickey, Kaline Mulvihill, Kaleigh Swainamer, Teresa Thierer

Title: Pain Sensitivity Alterations in Response to Different Muscle Contraction Types

Faulty Advisor: Scott Stackhouse

Topic(s): Muscle Contraction Type, Pain Modulation



University of New England

Department of Physical Therapy

Annual DPT Poster

Symposium

Friday, December 3, 2021

1:00 – 3:00 p.m.

Innovation Hall 104/116