KEYNOTE:

Dose-response in Stroke Rehabilitation

_Catherine Lang, PT, PhD_

POSTER PRESENTATIONS:

PROGRAM DEVELOPMENT AND QUALITY IMPROVEMENT

Does Patient Mobility Predict Value-Based Outcomes in the Hospital Setting?

_Daniel L. Young, PT, DPT, PhD; Eric Hoyer, MD; Michael Friedman, PT, MBA_

Introducing an Interdisciplinary Program Addressing Cognitive Stimulation and Rehabilitation

_Sarah Coggins, OTR/L, MS; Annette Lavezza, OTR/L; Caroline Outten, RN, BSN, CCRN; Mary Glover, RN, MSN, CCRN; Megan Hosey, PhD; Carrie Goodson, MD; Earl Mantheiy, BA; Kelsey Albert, BA; Dale M. Needham, FCPA, MD, PhD_

Observation of Nursing Work Flow in the Medical ICU to Better Understand Barriers to Early Mobilization

_Jason Seltzer, PT; Daniel Young, PT, PhD; Annette Lavezza, OTR/L; Dex Mantheiy, BA; Mary Glover BSN, RN, CCRN; Caroline Outten BSN, RN, CCRN; Dale Needham, FCPA, MD, PhD_

Use of Cycle Ergometry in the Neurosciences Critical Care Unit (NCCU): A Quality Improvement Project

_Elizabeth Dende, BSN, RN; Sowmya Kumble, PT, MPT, NCS; Sandra Deluzio, MS, OTR/L; Robert D. Stevens, MD; Mona N. Bahouth, MD, MSN; Elizabeth K. Zink, MS, RN_

Physiologic and Environmental Contributors to Delayed Mobilization for Hospitalized Stroke Patients: An Interdisciplinary Pilot Study

_Mona Bahouth, MD; Lisa Klein, MSN, RN, AGCNS-BC, CNRN; Gabrielle Steinhorn, PT, DPT, NCS; Sowmya Kumble, PT, NCS; Meredith Drake, PT, DPT; Nozomi Tahara, RN; Betsy Zink, MS, RN, CCNS, CNRN; Sarah Szanton, PhD, ANP, FAAN_

Activity and Mobility Promotion: Engagement of Staff

_Kalen Pascal, PT; Michael Friedman, PT, MBA; Deborah Hobson, MSN, RN; Erik Hoyer, MD; Annette Lavezza, OTR/L_
Feasibility of Running a Successful Acute Care Therapy Gym in a Tertiary Setting: Role of Physical Therapist Assistant
Enjeen Lee Woolford, PTA; Sowmya Kumble, PT, NCS

Animal Assisted Therapy: Enhancing OT in the Acute Medical Setting
Lauren Gurney, OTR/L; Kelly Casey, OTD, OTR/L, ATP

Sternal Precautions: A Look at the Multi-Disciplinary Impact on Patient Education
Stephanie Hiser, PT, DPT; Kerry Lammers, PT, DPT; Charles Brown, MD, MHS; Paul Ricard, PT, DPT, CCS

Development and Initiation of an Opioid Overdose Prevention Quality Improvement Program on an Inpatient Rehabilitation Unit
Teresa Tang, MD; Ada Lyn Yao, MD; Stephanie Van, MD; Alexis Coslick, MD; Nicholas Dabai, MD; Ben Shin, MD; Stacey Danielczyk, MS, RN, CWON; Lee Ann Sprankle, MSN, RN; Kayala Holliday, CCSC; Erik Hoyer, MD

Using a Novel Rubric to Evaluate Unobtrusive Cameras in Inter-rater Reliability Studies
Enhances Assessment Methodology
Echo A. Presgraves, B.S., OTS, Krista L. Hodges, B.S., OTS, Erica N. Wirth, B.S., OTS, Nicole E. Brandstetter, B.S., OTS, Molly T. Thayer, B.S., OTS, Amanda Jozkowski, PhD, OTR/L

NEUROLOGY

Defining the Role of Physical Therapy in Managing Activity Limitations and Participation Restrictions in Patients with Amyotrophic Lateral Sclerosis across the Continuum of Care
Sowmya Kumble, PT, NCS; Gabrielle Steinhorn, DPT, NCS; Lora Clawson, MSN, CRNP

Innovative Strategies for Addressing the Needs of Persons with ALS: Beyond the Basics of OT
Isha Vora, MS, OTR/L, CPM; Kelly Casey, OTD, OTR/L, ATP

What Happens While Waiting? The Journey from Craniectomy to Cranioplasty: A Helmet Story
Kelly Jordan, MS, OTR/L, CPAM; Sandra Deluzio, MS, OTR/L

Making the Complex Clearer: Development of a Clinical Decision-Making Algorithm for Patients with Disorders of Consciousness
Corrinne Boyea, PT, DPT; Elizabeth Ruckert, PT,DPT, NCS, GCS

Neurophysiological Markers and Recovery Predictors Following Repeated Mild Traumatic Brain Injuries
G Cantarero, J Choynowski, M St Pierre, S Forkus, P Celnik

Independent Sailing with High Tetraplegia Using Sip and Puff Controls: Integration into a Community Sailing Center
Solomon Rojhani; Steven Stiens; Albert Recio
An Interdisciplinary Neuromuscular Rehabilitation Model for Individuals with Myositis and Related Conditions

Joseph Brey, OTD, OTR/L; Genevieve McKeon, SLP; Megan McGowan, OTR/L; Albert Mears, PT; the Neuromuscular Team; Tae Chung, MD

A Case Report of a Patient with Central Pontine Myelinolysis: a Patient and Family Centered Interdisciplinary Approach

Jennifer Weaver, MS, APA, PTA; Kristen Touissant, MS, OTR/L; Dana Kilonsky, MA, CCC-SLP; Sowmya Kumble, PT, NCS

Defining Dizziness – Vestibular Dysfunction as a Differential Diagnosis in Acute Care: A Series

Kerry Lammers, PT, DPT; Sowmya Kumble, PT, DPT, NCS; John McCarty, PT; Christina Sperle, PT; Gabrielle Steinhorn, PT, DPT, NCS

Vertical and Torsional Alignment Nulling: A Rapid Quantification of Binocular Misalignment without Recording Eye Movements

Jennifer Millar, MSPT; Yoav Gimmon, PT, PhD; Michael Schubert, PT, PhD; Jorge Serador, PhD

Incremental Vestibulo-ocular Reflex Gain Adaptation: Effects of Background Light and Intensity

Michael C. Schubert, Muntaseer M. Mahfuz, Americo Migliaccio

Simultaneous Laterally-Inversive Vestibulo-Ocular Reflex Adaptation during Head Impulses

Yoav Gimmon, PT, PhD; Americo Migliaccio, PhD; Chris Todd; William Figtree; Michael Schubert, PT, PhD

How do you Rehabilitate Balance when Vision, Sensation, and Vestibular Systems are Impaired? A Case Study

Jonathan Wood, PT, DPT; Rachel Reoli, PT, DPT

Screening for Temporal Mandibular Joint Dysfunction in a Patient with Dizziness: A Case Report

Jonathan Wood, PT, DPT; Grace Ademski, PT, DPT, GCS

The Overlap between Perceptions of Cardiovascular Demand and Task Difficulty in Individuals with Chronic Stroke Performing Moderate Intensity Exercise

Jonathan Wood; Darcy Reisman; Meredith Drake; Susanne Morton

The Standardization of Outcome Measures as Part of a Clinical Pathway for Patients Post-stroke in the Outpatient Setting

Jonathan Wood, PT, DPT; Jessalyn Koch, PT, DPT, NCS, GCS

Incremental Verticalization: An attempt to solve the conundrum of Paroxysmal Sympathetic Hyperactivity in a patient with intracerebral hemorrhage

Jonathan Wood, PT, DPT; Sowmya Kumble, PT, NCS; Elizabeth K. Zink, MS, RN; Mona Bahouth, MD; Robert D Stevens, MD
Can we Learn a New Walking Pattern without Walking?
Christine Song; Ryan Roemmich

Humans will limp to Save Energy
Ryan Roemmich, PhD; Kristan Leech, DPT, PhD; Anthony Gonzalez; Amy Bastian, PT, PhD

Motor and Perceptual Learning during Multiday Walking Training on a Split-Belt Treadmill
Kristan Leech, PhD, PT, DPT; Kevin Day BS; Amy Bastian, PhD, PT

Using a Dual-Learning Paradigm to Simultaneously Train Multiple Components of Walking in People with Stroke
Kristan Leech, PhD, PT, DPT; Kevin Day BS; Amy Bastian, PhD, PT

Increased Motor Exploration during Learning a Reinforcement-Based Motor Task
Shintaro Uehara-, PT, PhD; Firas Mawase, PhD; Amanda Therrien, PhD; Kendra Cherry-Allen, PT, DPT, PhD; Amy Bastian, PT, PhD

Quantifying and Correcting Abnormal Hand Synergy Post-Stroke
Firas Mawase, PhD; Kendra Cherry-Allen, PT, PhD; Jing Xu, PhD; Naveed Ejaz, PhD; Shintaro Uehara, PT, PhD; Pablo Celnik, MD

OUTCOME MEASURES
Toward a Reliable and Valid Measure of Function across the Care Continuum: Inter-rater Reliability and Construct Validity of the Home Health AM-PAC Mobility Short Form
Suzanne Havrilla, DPT, GCS; Daniel Young, PT, DPT, PhD; Donna Beck, MPT; Linda Fousek, PT; Michael Markowski, MPT; Eileen Reinhard, DPT, GCS; Sharon Siegel, DPT; Denise Taff, MPT; Denise Wagner, DPT, GCS

Use of the AM-PAC Applied Cognitive Outpatient Short Form as a Screening Tool for Adults Post Stroke
Amanda Gallagher, MA, CCC-SLP

Interdisciplinary Value Measurement: Evaluating Functional Outcome Measures for HER Collection and Utilization
Stephanie Van, MD; Kelly Daly, PT, MBA; Michael Friedman, PT, MBA; Krishnaj Gourab, MD, MBA

PEDIATRICS
Evaluation of the Children’s Affective Lability Scales (CALS) in a Pilot Sample of Children with Traumatic Brain Injury
Mi Ran Shin, MD; Stacy Suskauer, MD
Pilot use of the Social Skills Rating System in Children with Traumatic Brain Injury
   Mi Ran Shin, MD; Stacy Suskauer, MD

The Management of Mucopolysaccharidosis, Morquio Type A, Across the Continuum of Care from a Functional Perspective
   Alexandra Parra, PT, DPT

Infant Constraint Induced Movement Therapy: Feasibility of a Clinical Model
   Nicole Whiston, MS, OTR/L, Teressa Reidy, MS, OTR/L, Erin Naber, DPT, PT, Joan Carney, EdD

Innovative Techniques for Retention of Skills: Tele-rehabilitation with Robotics as an Occupational Therapy Home Program
   Teressa Reidy, MS, OTR/L; Nicole Whiston, MS, OTR/L; Joan Carney, EdD; Frank Pidcock, MD

A Novel Rehabilitation Approach for a Child with Acquired Brain and Spinal Cord Injury: a Case Report
   Meghan Moore, PT, DPT, NCS; Sonya Dunsirn, OTD, OTR/L

Evaluation of Physical Activity as a Predictor of Time to Recovery After Concussion in a Pediatric Rehabilitation Population: a Retrospective Review
   Alexis Coslick, DO, MS; Kaitlyn Chin, OMS II; Beth Slomine, PhD; Stacy Suskauer, MD

The LiSN-S: Evaluating Novel Diagnositc Methods for Central Auditory Processing Disorders
   Rebecca DiBiase, BA; Joseph Pillion, PhD; Alexander Hoon, MD, MPH; Elaine Stashinko, PhD, RN

Transcutaneous Spinal Cord Stimulation Generates Reciprocal Lower Extremity Movement in Pediatric Patients with Motor Complete Spinal Cord Injury
   Rebecca Martin, OTR/L, OTD, CPAM, CKTP; Brooke Meyer, PT, DPT

Nursing Perception of Optimal Positioning for the Preterm Infant
   Kerry Vela, PT, DPT, PCS; Sonya Dunsirn-Baillie, OTD, OTR/L, CPST

Use of Positioning Aides for Optimal Positioning for the Preterm Infant
   Kerry Vela, PT, DPT, PCA; Sonya Dunsirn-Baillie, OTD, OTR/L, CPST

Mobility in the Critically Ill Pediatric Patient on Extracorporeal Membranous Oxygenation (ECMO) Support
   Jennifer Snider, MSN, CPNP-AC; John Young, RRT; Margret Birdsong, MSN, CPNP, CWON; Sapna R. Kudchadkar, MD; Alejandro Garcia, MD; Emily Warren, MSN, CNS; Yun Kim, MS, OTR/L; Angela Prouty; Kieran McGuigan; Melania Bembea, MD

SPEECH LANGUAGE PATHOLOGY

Characteristics of Critically Ill Patients Receiving One-way Speaking Valves Following Initial Tracheostomy Placement
   Christine Percha, MA, CCC-SLP; Therese Cole, MA CCC-SLP; Vinciya Pandian, PhD, MSN, RN, ACNP-BC
Mechanically Ventilated Patients Report Improvement in Voice-Related Quality of Life with a Talking Tracheostomy Tube

Therese Cole, MA CCC-SLP; Dana Kilonsky, MA, CCC-SLP; Kate Holden, MS, CCC-SLP; Vinciya Pandian, PhD, MSN, RN, ACNP-BC

Laryngeal and Upper Airway Symptoms and Injury Following Endotracheal Intubation: A Systematic Review

Martin Brodsky; Matthew Levy; Erin Jedlanek; Brendan Blackford; Carrie Price; Alexander Hillel; Simon Best; Lee Akst

Current Systems of Stroke Care and Stroke Related Dysphagia

Nicole Langton, MA, CCC-SLP; Romanus Faigle, MD, PhD; Mona N. Bahouth, MD

Dysphagia in Inflammatory Myositis: A Study of the Structural and Physiologic Changes Resulting in Disordered Swallowing

Alba Azola; Tae Hwang Chung; Rachel Mulheren; Genevive Mckeon; Lisa Christopher-Stine; Jeffrey Palmer

The Effect of Frame Rate on Ratings of Swallowing Function in Acute Stroke Patients

Rachel Mulheren; Alba Azola; Marlis Gonzalez-Fernandez

MBSiMP Swallowing Patterns in the Healthy Aging Swallow: Can Videofluoroscopic Findings Predict the Results of the 3oz. Water Test?

Alba Azola; Rachel Mulheren; Eleni Karagiorgiorgos; Stephanie Kwiatkowski; Jeffrey Palmer; Ianessa Humbert; Marlis González-Fernández

A Case of Attention-Focused Therapy and Traumatic Brain Injury: Treatment Outcomes

Emily Foutch, MA, CCC-SLP

A Case of Technology Based Attention Training Post Glioblastoma Resection: Treatment Outcomes

Amanda Gallagher, MA, CCC-SLP

Hypothyroidism and Ataxic Dysarthria

Colleen McElroy, MS CCC SLP

Cerebellar Transcranial Direct Stimulation to Augment Aphasia Therapy

Rajani Sebastian, PHD, CCC-SLP; Donna Tippett, MPH, MA, CCC-SLP; Pablo Celnik, MD; Argye Hillis, MD, MA

Intensive Treatment for Aphasia Program (ITAP): Flipping the Script on Aphasia Treatment

Cynthia Nicols, M.S. CCC-SLP, CBIS; Theresa Alexander, M.S. CCC-SLP

Supplementary Motor Aphasia: A Two-Part Case Study of a Rare Aphasia Subtype

Christine Percha, MA, CCC-SLP; Kate Holden, MS., CCC-SLP; Therese Cole, MA, CCC-SLP

Stealing Cookies in the 21st Century: New Norms

Shauna Berube; Jodi Nonnemacher; Cornelia Demsky; Shenly Glenn; Sadhvi Saxena; Amy Wright; Donna C. Tippett; Argye E. Hillis
Psychosocial predictors of metacognition in Multiple Sclerosis
   Meghan Beier, PhD; Dagmar Amtmann, PhD; Dawn Ehde, PhD

Self-Reported Sleep Disturbance and Cognitive Function in MS: Mediating Effects of Depressed Mood and Fatigue
   Abbey Hughes; Kevin Alschuler; Meghan Beier

Reliability and Validity of the Two-Item Generalized Anxiety Disorder (GAD) Scale for Screening Anxiety Symptoms in Individuals with Multiple Sclerosis
   Abbey Hughes; Trisha Chaffee; Katherine Dunn; Meghan Beier

Patient Engagement Training: Improves Health Care Provider Confidence and Skills Across Sociodemographic Backgrounds
   Nicole Schechter, PsyD; Stephen Wegener, PhD, ABPP(RP); Susan Donavan, MHW; Tracy Novack, MHS; Michelle Hawkins, DNP, MBA, MSN, RN, CCM; Evan Smith, PhD

Changes in Physical Therapists Attitudes, Beliefs, and Confidence about Low Back Pain Management Following Participation in a Psychologically Informed Physical Therapy Training Course
   J Beneciuk, S George, C Greco, M Schneider, S Wegener, and A Delitto

Occupational Balance and Quality of Life: What’s the Connection?
   Robert Walsh, MS, OTR/L; Jan Jaskulski, MS, OTR/L

The Application of High Grade Cervicothoracic Mobilization, Vestibular Rehabilitation, and Graded-Exercise in the Successful Return to Sport of a High School Field Hockey Player with Post-Concussion Syndrome
   John Dale, PT, DPT, SCS, ATC, CSCS; Patrick Griffin, PT, DPT

Successful Treatment of Chronic Sternoclavicular Joint Instability in a High School Volleyball Player Using Superficial Dry Needling: A Case Report
   Pat Griffin, PT; John Dale, PT, DPT, SCS, ATC, CSCS; Andrew Naylor, PT, DPT, SCS

A Manual Therapy Approach to a Movement System Impairment Syndrome: 24 Year Old Female with Lumbar Flexion Syndrome: A Case Report
   Julie Finocchiaro, PT, DPT, OCS, FAAOMPT; Terrence McGee, PT, DScpt, OCS, FAAOMPT; Pieter Kroon, PT, DPT, OCS, FAAOMPT; Tim Kruchowsky, PT, DPT, OCS, FAAOMPT
Treatment of Boutonniere Deformity Using the Relative Motion Orthotic

Sheryll Dawn Kutcher, OTR/L, CHT

WOUND CARE

Implications of Injection Drug use on Wound Management

Kelly Shields, PT, DPT, MA

WOMEN’S HEALTH

Urinary Incontinence and Postpartum Depression Following Childbirth: A Case Series

Elizabeth Northrop, PT, DPT, WCS