

DIVISION OF THERAPY SERVICES

ANNUAL SCHOLARLY REPORT: FISCAL YEAR 2017

The accomplishments outlined in this report showcase the work of our dedicated and talented therapists who strive on a daily basis to contribute new knowledge to the field of rehabilitation. In fiscal year 2017, research and educational presentations were presented by over sixty therapists at twenty professional conferences at the state, national and international levels. Eight articles were published in peer-reviewed journals and multiple awards and special recognition received. Congratulations to our therapists on an extremely successful fiscal year 2017!

Conference Presentations:

<u>Title</u>	Staff Involvement	<u>Description</u>
	(presenting authors underlined)	
The IV STEP Conference		
July 14-19, 2016; Columbus, OH		
High-force Haptic Rehabilitation Robot and Motor Outcomes in	Carol Ann Wamsley, PT, DPT, BS, NCS, CBIS	Poster Presentation
Chronic Stroke: A Case Study	Roshan Rai, MS	
	Nicholas Vivio, MS	
	Michelle J. Johnson, PhD	
12 th International National Lymphedema Network Conference		
August 31-September 4, 2016; Dallas, TX		
Phlebolymphedema & Wound Care: The Benefits of an	Erin Fazzari, MPT, CLT, CWS, DWC	Education Session
Interdisciplinary Approach-A Patient Case Series	Brittany Chervino, PT, DPT, CLT-LANA, WCC	

The 6 th Annual Mid-Atlantic Shoulder and Elbow Society Meeting		
September 9, 2016; Washington, DC		
Panel Discussion: Proximal Humerus Fractures: To Operate or Not,	Brian Leggin, PT, DPT, OCS	Panel Discussion
That is the Question		
Panel Discussion: 45-Year Old Male with Irreparable Cuff-No way	Martin J. Kelley, PT, DPT, OCS	Panel Discussion
he's getting a reverse, or is he? Let's Talk.		
4th World Parkinson Congress		
September 20-23, 2016; Portland, OR		
Functional Movement Disorders and the Role of Physical Therapy	<u>Joellyn Fox, PT, DPT</u>	Poster Presentation
	Heather Cianci, PT, MS, GCS	
Artisans with Parkinson's: The Power of Art and Creativity in	<u>Joellyn Fox, PT, DPT</u>	Poster Presentation
Managing Parkinson's Disease	Heather Cianci, PT, MS, GCS	
Mindfulness Interventions for Management of Anxiety to Improve	Julia Wood, MOT, OTR/L	Poster Presentation
Daily Function in Parkinson's Disease		
Pennsylvania Occupational Therapy Association (POTA)		
Conference		
October 14-15, 2016; Lancaster, PA		
Can Occupational Therapists Utilize the BIMS to Effectively Screen	Megan Link, MS, OTR/L, MBA	Education Session
for Cognitive Deficits in Short-Term SNF Residents?	Abigail Darin, MS, OTR/L	
	Brittany Jemmoua, MS, OTR/L, CCLS	
Implementation of a Self-Care Initiative on an Inpatient Psychiatric	Gina Daniels, MS, OTR/L	Poster Presentation
Unit	Tori Snyder, OTS	
	Heather Martz, OTS	
	Marion Conneen, MS, OTR/L	
Splinting's Impact on Spasticity and Function	Tami Levengood, OTD, OTR/L, MSCS	Poster Presentation
	Tara Babe, OTR/L	
The 13th Annual Jean Feldman Memorial Rehab Conference		
October 28, 2016; Mt. Laurel, NJ		
Non-Motor Symptoms and Effective Management through	GSPP Dan Aaron Parkinson Therapy Team	Conference Hosts and
Rehabilitative Therapy		Speakers
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Pennsylvania Physical Therapy Association (PPTA) Conference		
October 28-30, 2016; Lancaster, PA		
Lumbar Radicular Complaints Confused with Patella Tendinopathy	Frank Angiolillo, PT, OCS, Cert MDT	Poster Presentation
	Timothy Bayruns, PT, DPT, OCS, CSCS	
	Cheryl Cocca, PT, DPT, OCS	
	Paul Howard, PT, DPT, PhD, OCS, Cert MDT	
	Carl Pitts, PT, DPT	
Duration From Stroke Onset to Rehabilitation Admission: Impact on	Carol Wamsley, PT, DPT, BS, NCS, CBIS	Platform Presentation
Discharge and Cognitive Functional Independence Measures	Jennifer Dekerlegand, MPT, CHRC	
Improving the Quality of Exercise Prescription for Patients	Claire Child, PT, DPT, MHS, CCS	Platform Presentation
Readmitted within 18 Months after Lung Transplant	Gregory Carroll, SPT	
American Society for Reconstructive Transplantation (ASRT)		
November 4-7, 2016; Chicago, IL		
Reconstructive Transplantation	Gayle Severance, MS, OT/L, CHT	Moderated
		therapy forum and
		panel discussion
APTAs of Maryland, DC, and Delaware Annual Conference		
November 5-6, 2016; College Park, MD		
Using Innovative and Creative Treatment Strategies for Parkinson's	Heather Cianci, PT, MS, GCS	Education Session
Disease		
American Speech Hearing Association Annual Convention		
November 17-19, 2016; Philadelphia, PA		
Communication With the Non-Vocal Patient in the Intensive Care	Randy Dubin, MA, CCC-SLP	Poster Presentation
Unit (ICU)	Melissa Ferdas, MA, CCC-SLP	
A Case Study of Fixed Epiglottis & Dysphagia Associated with	Meredith Pauly, MA, CCC-SLP	Poster Presentation
Bilateral GPi DBS	Tiffany Hogan, MA, CCC-SLP	
	Meredith Spindler, MD	

The Philadelphia Orthopaedic and Sports Rehab Foundation 2016 Shoulder and Elbow Update		
November 18-19, 2016; Philadelphia, PA Rehabilitation of Atraumatic Instability and Considerations following	Drian Loggia DT DDT OCC	Education Sessions
Capsulolabral Repair	Brian Leggin, PT, DPT, OCS	and Workshops
Rehabilitation of Shoulder Girdle Fractures		and workshops
Non-operative Rehabilitation of Rotator Cuff Disease: Can We "Cure"		
our Patients?		
Clinical Examination of the Shoulder		
Rehabilitation Following Conventional and Reverse Shoulder	Martin J. Kelley, PT, DPT, OCS	Education Sessions
Arthroplasty		
Rehabilitation Following Rotator Cuff Repair-When Should We Start,		
What Should We Do?		
A New Approach to the Management of Epicondylitis	John Bellace, PT, CHT	Education Session
Clinical Exam of the Elbow	Wendy McCoy, PT, CHT	Workshop
	Laura Walsh, MS, OTD, OT/L, CHT	
	Gayle Severance, MS, OT/L, CHT	
	Jennifer Frazer, MHS, OTR/L	
Manual Techniques for the Shoulder and Elbow	Martin Kelley, PT, DPT, OCS	Workshop
	<u>Karen Havlicsek, PTA</u>	
	Ninette Wong, PT, DPT	
	Michael Denny, PT	
	Michael Piercey, PT, DPT, OCS, Cert. MDT,	
	CMP, CSCS	
Complex Elbow Problems: Mobilization Techniques and Treatment	Wendy McCoy, PT, CHT	Workshop
Options		
American Association for Hand Surgery Conference		
January 10-14, 2017; Waikoloa, HI		
Recalcitrant Tennis Elbow	Gayle K. Severance, MS, OT/L, CHT	Education Session

American Physical Therapy Association's Combined Sections		
<u>Meeting</u> February 14-18, 2017; San Antonio, TX		
Change, Change, Change - Leadership and Management in Action!	Colleen Chancler, PT, MHS, PhD	Education Session
	Jane Oeffner, PT, DPT, MBA	Health Policy and
		Administration
		Section
From Gameday to Postseason: Shoulder Injuries in Football Along the	Marty Huegel, PT, MSc	Education Session
Continuum	Michael Moser, MD	Sports Section
	Marisa Pontillo, PT, DPT, PhD, SCS	
	Giorgio Zeppieri, PT, SCS,CSCS	
Complex Cases in Women's and Men's Health	Valerie Bobb, PT, DPT, WCS, ATC	Education Session
	Sandra Gallagher, PT, WCS	Women's Health
	Sandra Gallagher, PT, WCS	Section
	Rosaleen Gnoffo, PT	
	Lori Mize, PT, DPT, WCS	
	Pamela Morrison, PT, MS, DPT, BCB-PMD, I	
	<u>Lisa Sator PT, DPT, CLT, WCS</u>	
	Sara Sauder, PT, DPT	
Co-occurrence of Temporomandibular Disorder and Pelvic Pain	Timothy Bayruns, PT, DPT, OCS, CSCS	Platform Presentation
	<u>Lisa Tate, MSPT, WCS, CLT</u>	Women's Health
	Lucinda Hayburn, PT, DPT, WCS, CLT	Section
	Jennifer Dekerlegand, MPT, CHRC	
Residency Outcomes: How Do They Compare?	William Moore, PT, DPT, OCS	Platform Presentation
	Won Sung, PT, DPT, PhD	Education Section
Functional Outcomes of Hospitalized Patients Awaiting Liver	Melanie Quintans, PT, DPT	Platform Presentation
Transplant	Jennifer Dekerlegand, MPT, CHRC	Acute Care Section
Lumbar Spine Stiffness Changes and Muscle Activation During the	Won Sung, PT, DPT, PhD	Poster Presentation
Prone Instability Test	David Ebaugh, PT, PhD, G.E. Hicks, Scott	Orthopaedic Section
	Stackhouse PT, PhD, S. Smith, P. Wattananon,	
	Sherie. P. Silfies PT, PhD	
Duration from Stroke Onset to Rehabilitation Admission: Impact on	Carol Ann Wamsley, PT, DPT, BS, NCS, CBIS	Poster Presentation
Discharge and Cognitive Functional Independence Measures	Jennifer Dekerlegand, MPT, CHRC	Neurology Section

Outcomes of Early Mobility in Patients with an External Ventricular	Bill Pino, PT, DPT	Poster Presentation
Device	Joseph Borst, PT, DPT	Acute Care Section
Clinical Presentation of Men with Pelvic Pain	Lisa Tate, MSPT, WCS, CLT	Poster Presentation
		Women's Health
		Section
43rd Philadelphia Hand Symposium		
March 3-7, 2017; Philadelphia, PA		
Wound Care; Tendon Transfers; Examination of the Wrist	Gayle K. Severance, MS, OT/L, CHT	Education sessions
American Occupational Therapy Association's Annual Conference		
March 30-April 2, 2017; Philadelphia, PA		
Comprehensive Parent and Care Provider Collaboration for	Meredith Antanavage, MOT, OTR/L	Poster Presentation
Developmentally Appropriate, Family-Centered Care in a Level III	Penn Medicine NICU Team Members	
Neonatal Intensive Care Unit		
The Role of Occupational Therapy in an Interdisciplinary Protocol to	Meredith Antanavage, MOT, OTR/L	Poster Presentation
Reduce Intraventricular Hemorrhage on a Level III Neonatal Intensive		
Care Unit		
Integrating Mindfulness Strategies into Occupational Therapy for	Julia Wood, MOT, OTR/L	Poster Presentation
Parkinson's Disease		
Penn Medicine Adult ECMO Conference		
March 31-April 1, 2017; Philadelphia, PA		
ECMO Rehabilitation: Is it Possible?	Joseph Adler, PT, DPT, CCS	Education Session
Pennsylvania Physical Therapy Association Southeastern District		
Mini Combined Sections Meeting		
April 1, 2017: Philadelphia, PA		
Pelvic Floor Dysfunction in the Gynecological and Genitourinary	Pia Leone, PT, DPT, WCS	Education Session
Cancer Populations: Implications for the Physical Therapist	Brandi Johnson, PT, DPT, CLT-LANA	
	<u>Lisa Sator, PT, DPT, CLT, WCS</u>	

7th Annual NANT Conference April 7-8, 2017; Phoenix, AZ		
Comparison of Therapy Recommendations to Actual Services	Robin Elican Madeja, MOT, OTR/L	Poster Presentation
Received After Discharge from the Intensive Care Nursery	Tiffany Hogan, MA, CCC-SLP	1 oster i resentation
Received After Discharge from the intensive care italisery	Jenna Rogers, PT, DPT	
	Anastasiya Ruiz, PT, MSPT, CCI	
A Case Series: Benefits of Therapy Services Co-treating Medically	Robin Elican Madeja, MOT, OTR/L	Poster Presentation
Complex Infants in the Intensive Care Nursery	Tiffany Hogan, MA, CCC-SLP	1 oster i resementi
complex illiants ill are intensive care transer,	Jenna Rogers, PT, DPT	
	Anastasiya Ruiz, PT, MSPT, CCI	
Abramson Cancer Center Palliative Care Conference		
May 3, 2017; Philadelphia, PA		
Management of Cancer Related Fatigue	Sarena Banas, PT, DPT, CLT-LANA	Education Session
	Melinda Gross, PT, DPT, CLT	
	<u>Lisa Sator, PT, DPT, CLT, WCS</u>	
Penn Medicine PMR - GSPP 3rd Annual Research Day		
June 8, 2017; Philadelphia, Pennsylvania		
Duration from Stroke Onset to Rehabilitation Admission: Impact on	Carol Wamsley, PT, DPT, BS, NCS, CBIS	Podium Presentation
Discharge and Cognitive Functional Independence Measures	Jennifer Dekerlegand, MPT, CHRC	
Communication with the Non-Vocal Patient in the Intensive Care	Randy Dubin, MA, CCC-SLP	Poster Presentation
Unit (ICU)	Melissa Ferdas, MA, CCC-SLP	
	Rebecca Trotta, PhD, RN	
	Mary Walton, MSN, MBE, RN	
	Robin Hermann, MSN, RN, CCRP	
Co-Occurrence of Temporomandibular Disorder and Pelvic Pain	Timothy Bayruns, PT, DPT, OCS, CSCS	Poster Presentation
	Lisa Tate, MSPT, WCS, CLT	
	Lucinda Hayburn, PT, DPT, WCS, CLT	
	Jennifer Dekerlegand, MPT, CHRC	
Lumbar Radicular Complaints Confused as Patella Tendinopathy: A	Frank Angiolillo, PT, OCS, Cert MDT	Poster Presentation
Case Study	Timothy J. Bayruns, PT, DPT, OCS, CSCS	
	Cheryl Cocca, PT, DPT, OCS	
	Paul Howard, PT, DPT, PhD, OCS, Cert MDT	
	Carl Pitts, PT, DPT, MEd	

Enhanced SAIL Program: Evaluation of an Evidence-Based Fall	Joseph Muniak, MS, OTD, OTR/L	Poster Presentation
Prevention Program for Community Dwelling Elders	Laurie Swan, PhD, DPT, PT, CEEAA; Catherine	
	Verrier Piersol, PhD, OTR/L	
Benefits of Therapy Co-treatment for Medically Complex Infants in	Robin Elican Madeja, MOT, OTR/L	Poster Presentation
the Intensive Care Nursery	Tiffany Hogan, MA, CCC-SLP	
	Jenna Rogers, PT, DPT	
	Anastasiya Ruiz, PT, MSPT, CCI	
Comparison of Therapy Recommendations to Actual Services	Robin Elican Madeja, MOT, OTR/L	Poster Presentation
Received after Discharge from the Intensive Care Nursery	Tiffany Hogan, MA, CCC-SLP	
	Jenna Rogers, PT, DPT	
	Anastasiya Ruiz, PT, MSPT, CCI	
Body Weight Supported Treadmill Training for a Patient with Lewy	Christopher Gorrell, PT, DPT	Poster Presentation
Body Dementia and a Transtibial Amputation		
Exploring the Influence of Clinical Experience On Students'	Shelly Lewis, PT, DPT	Poster Presentation
Prioritization of Core Values		
Functional Outcomes of Hospitalized Patients Awaiting Liver	Melanie Quintans, PT, DPT	Poster Presentation
Transplant		
A Case Study of Fixed Epiglottis & Dysphagia Associated with Bilateral	Meredith Pauly, MA, CCC-SLP	Poster Presentation
Gpi DBS	Tiffany Hogan, MA, CCC-SLP	
Use of the Brief-BESTest to Assess Balance Impairment and Target	Eric Johns, PT, DPT	Poster Presentation
Balance Interventions for People with Subacute Stroke: A Pilot Study	Carol Wamsley, PT, DPT, BS, NCS, CBIS	
	Anne Whiting, PT, DPT, GCS, CBIS	
Vestibular Physical Therapy Examination-To Treat, Treat and/or Refer	Sabrina Mele, PT, DPT	Poster Presentation
or Refer: A Case Study		
A Company-Wide Initiative to Improve Screening for Vision	Tami Levengood, OTD, OTR/L, MSCS	Poster Presentation
Impairment		
Individuals with Low Back Pain Utilize Different Motor Control		Poster Presentation
Strategies to Achieve Spinal Stiffness During the Prone Instability	Won Sung, PT, DPT, PhD	
Test Compared to Individuals without Low Back Pain		
Lumbar Stabilizing Muscle Activation is Delayed, Is of Greater		Poster Presentation
Magnitude, and Extinguishes Later in Patients with Movement	Won Sung, PT, DPT, PhD	
Coordination Impairment Related Low Back Pain Compared to		
Healthy Control Participants		

Peer Reviewed Publications:

<u>Butler K</u>, Schweickert WD. Early goal-directed mobilisation in the intensive care unit is feasible and safe, and increases both the level and duration of activity [commentary]. *J Physiother*. 2016 Oct;62(4):225.

Wamsley CA, Rai R, Johnson MJ. (2017) High-force Haptic Rehabilitation Robot and Motor Outcomes in Chronic Stroke. *Int J Clin Case Stud.* 3: 115.

Pauly M, Hogan T, Spindler M. Dysphagia in a Patient with Cervical Dystonia. Dysphagia. (2017) 32: 583.

Granda-Cameron C, <u>Pauly M</u>, DeMille D, Mante A, Null S, Malkowski J, <u>Hogan T</u>, Lane J, Geiger G, Newman J, Lynch MP. Gap analysis: a strategy to improve the quality of care of head and neck cancer patients. *Journal of Community and Supportive Oncology*. 2017;15(1):28-36.

Wattananon P, Intawachirarat N, Cannella M, <u>Sung W</u>, Silfies SP. Reduced instantaneous center of rotation movement in patients with low back pain. *Eur Spine J*. 2017 Mar 31

Moyer M, Young B, <u>Borst J</u>, <u>Pino W</u>, <u>Hart M</u>, <u>LoBreglio J</u>, <u>Zaleski D</u>, Leonor I, Kung D, Smith M, Zager E, Grady S, Kumar M. Implementation of an Early Mobility Pathway in Neurointensive Care Unit Patients with External Ventricular Devices. *J Neurosci Nurs*. 2017 Apr;49(2):102-107.

McCombie RP, <u>Antanavage ME</u>. Transitioning from Occupational Therapy Student to Practicing Occupational Therapist: First Year of Employment. *Occup Ther Health Care*. 2017 Apr;31(2):126-142.

<u>Lesser M</u>, <u>Borst, J</u>, <u>Dekerlegand J</u>. Use of the Postural Assessment Scale for Stroke Patients in Determining Acute Care Discharge Recommendations. *Journal of Acute Care Physical Therapy*. 2017 Apr;8(3):79-85.

Awards, Honors and Recognition:

<u>Title of Award</u>	Staff Name		Description of Award
2016 Philadelphia Area Clinical Education Consortium Scholarship	Diana Duda, PT, DPT, MSCS		This scholarship provides financial support for a therapist to attend the APTA Educational Leadership Conference in October 7-9th, 2016 in Phoenix, Arizona.
Awarded the Cystic Fibrosis Foundation Grant	Colleen Chancler, PT, MHS, PhD Anita Shah, PT Rob Dekerlegand, PT, PhD, CCS		The Hospital of the University of Pennsylvania was awarded a grant from the Cystic Fibrosis Foundation providing financial support for the integration of a physical therapist into the Adult Cystic Fibrosis clinic at Penn Medicine.
Achieved American Board of	Elsa Amaral, PT, DPT, OCS	Orthopaedic	Honorees receive board specialization at the
Physical Therapy (ABPT) clinical	William Moore, PT, DPT, OCS	Orthopaedic	American Physical Therapy Association's (APTA)
specialization	Michael O'Hara, PT, DPT, OCS	Orthopaedic	Combined Sections Meeting on February 14, 2017, in San Antonio, TX.
	Anne Whiting, PT, DPT, GCS, CBIS	Geriatric	
	Lisa Tate, MSPT, WCS, CLT	Women's Health	
	Lisa Sator, PT, DPT, CLT, WCS	Women's Health	
	Amy Shah, PT, DPT, WCS	Women's Health	
	Shannon Marriner, PT, DPT, NCS, MBA	Neurologic	
	Elena Newland, PT, DPT, NCS	Neurologic	
2017 James Tucker Excellence in Clinical Practice and Teaching Award	Timothy J. Bayruns, PT, DPT, OCS, CSCS		This award recognizes outstanding clinicians and clinical teachers that have made significant contributions to the practice of Physical Therapy on behalf of the New Jersey APTA Chapter.
Achieved Occupational Therapy Board Certification in Physical Rehabilitation	Malachy Clancy, MOT, OTR/L, BCPR		Board specialization is awarded from the American Occupational Therapy Association in one of four practice areas.

Achieved Doctor of Philosophy	Colleen Chancler PT, MHS, Ph.D.	
Degrees (Ph.D.)	Director, Acute Therapy Services, HUP	
	Seton Hall University School of Health and Medical	
	Sciences, Doctor of Philosophy, Health Sciences	
	Marisa Pontillo PT, DPT, Ph.D., SCS	
	Sports Team Leader	
	Drexel University, Doctor of Philosophy, Physical	
	Therapy and Rehabilitation Sciences, Concentration:	
	Biomechanics	
	Won Sung PT, DPT, Ph.D.	
	Spine Team Leader	
	Drexel University, Doctor of Philosophy, Rehabilitation	
	Science: Concentration- Biomechanics	
Achieved Clinical Doctorates	Tami Levengood, OTD, OTR/L, MSCS	
Actived climed boctorates	Occupational Therapy Team Leader	
	Philadelphia University, Occupational Therapy	
	Doctorate, Occupational Therapy/Therapist	
	Joseph Muniak MS, OTD, OTR/L	
	Director of Inpatient Therapy, Rittenhouse	
	Thomas Jefferson University, Doctorate of	
	Occupational Therapy, Occupational	
	Therapy/Therapist	
	Laura Walsh MS, OTD, OT/L, CHT	
	Program Manager, Hand	
	Philadelphia University Occupational Therapy	
	Doctorate, Occupational Therapy/Therapist	

Collaborative Research Projects:

<u>Project Title</u>	Staff Involved	<u>Collaborators</u>
Frailty and Predicting Unplanned Lung Transplant Readmissions	Derek Zaleski, PT, DPT	Penn Medicine Lung Transplant Team
Use of the "My Penn Transplant Coach" App in Transplant Candidates and Recipients: A Prospective Feasibility Study	Derek Zaleski, PT, DPT Sarah Daly, PTA	Penn Medicine Lung Transplant Team
The Arthroscopic Rotator Cuff (ARC) Trial	Marisa Pontillo, PT, DPT, PhD, SCS	Dr. John Kelly (Principal Investigator), Professor of Clinical Orthopaedic Surgery, Penn Medicine
Identifying Isolation of Multifidus Activation with NMES Using Near Infrared Spectroscopy	Won Sung, PT, DPT, PhD	Drexel University Faculty
The Relationship Between Core Stability and Shoulder Injuries in Athletes	Marisa Pontillo, PT, DPT, PhD, SCS	Drexel University Faculty
Identifying Isolation of Multifidus Activation with NMES Using RUSI	Won Sung, PT, DPT, PhD	Drexel University Faculty
Pain Outcomes With an Elliptical Regimen (POWER)	Scott Becker, PT	Dr. Tim Dillingham, Department of Physical Medicine and Rehabilitation, Penn Medicine
Analysis of Muscle Activation Patterns in Patients with Aberrant Movement Patterns who Fit a Diagnosis of Movement Control Impairments of the Spine	Won Sung, PT, DPT, PhD	Drexel University Faculty
Movement Precision and Control in Patients with Low Back Pain	Won Sung, PT, DPT, PhD	Drexel University Faculty
Kinematic Analysis of the Forward Bend Characteristics to Predict Patients with Movement Coordination Impairments of the Trunk	Won Sung, PT, DPT, PhD	Drexel University Faculty
Mechanistic validation of current clinical prediction rules for predicting success with trunk stabilization exercises	Won Sung, PT, DPT, PhD	Drexel University Faculty
Thera-Drive	Carol Ann Wamsley, PT, DPT, BS, NCS, CBIS	Dr. Michelle Johnson, Department of Physical Medicine and Rehabilitation, Penn Medicine

Neural and Motor Functional Changes in HIV and Stroke Before and After Robot-Assisted Neurorehabilitation	Carol Ann Wamsley, PT, DPT, BS, NCS, CBIS	Dr. Michelle Johnson, Department of Physical Medicine and Rehabilitation, Penn Medicine
Design of an Affordable Gym for Post Stroke Rehabilitation	Carol Ann Wamsley, PT, DPT, BS, NCS, CBIS	Dr. Michelle Johnson, Department of Physical Medicine and Rehabilitation, Penn Medicine
A Phase 2 Randomized, Double-Blind, Placebo-Controlled Efficacy and Safety Study of a RARy-Specific Agonist (Palovarotene) in the Treatment of Preosseous Flare-ups in Subjects with Fibrodysplasia Ossificans Progressiva (FOP)	Elsa Amaral, PT, DPT, OCS Sarah Martyn, PT, DPT, NCS Carolyn Haggerty, PT, DPT Joe Borst, PT, DPT Claire Marine, PT, DPT Kaila Roberson, PT, DPT	Dr. Kaplan, Department of Orthopaedics, Penn Medicine
ASPIRE Study	Elsa Amaral, PT, DPT, OCS Sarah Martyn, PT, DPT, NCS	Penn Medicine Hemophilia Team
PROWALKS Study: Promoting Recovery Optimization with WALKing Exercise after Stroke	Sarah Martyn, PT, DPT, NCS Shannon Marriner, PT, DPT, NCS, MBA Joe Borst, PT, DPT	 Dr. Scott Kasner, Professor of Neurology, Stroke Division, Penn Medicine and Dr. Darcy Reisman, Professor of Physical Therapy, University of Delaware
Defining Components of Physical Therapy Achieving Maximum Function after Total Knee Replacement (TKR)	Christopher Runkle, PT, DPT, CSCS	Dr. Carol Oatis, Professor of Physical Therapy, Arcadia University
A Phase 2 Randomized, Double-Blind, Placebo-Controlled Study of ACE-083 in Patients with Facioscapulohumeral Muscular Dystrophy	Brandi Johnson, PT, DPT, CLT- LANA Joy Cohn, PT, CLT-LANA	Dr. Lauren Elman, Department of Neurology, Penn Medicine
A Phase 2 Randomized, Double-Blind, Placebo-Controlled Study of ACE-083 in Patients with Charcot-Marie-Tooth Disease Types 1 and X	Kyle Cunningham, PT, DPT	Dr. Colin Quinn, Department of Neurology, Penn Medicine
Functional Outcome Measures for Head and Neck Patients	Meredith Pauly, MA, CCC-SLP Tiffany Hogan, MA, CCC-SLP	Dr. Steven Cannady, Department of Otorhinolaryngology, Penn Medicine
Reliability and Validity of a New Clinical Measurement of Shoulder Function: The Functional Arm and Shoulder Test	Dan Safford, PT, DPT, MAT, CSCS Various outpatient clinicians	Dr. Phil McClure, Professor of Physical Therapy at Arcadia University

National Orthopedic Physical Therapy Outcomes Database, Knee Pilot Project	Michele Strauss, PT, DPT, OCS, CSCS Carlotta Jones, PT Albert Park, PT, DPT	American Physical Therapy Association's Orthopedic Section
Cancer-Related Fatigue Clinical Practice Guidelines Work	Joy Cohn, PT, CLT-LANA	American Physical Therapy
Group		Association's Oncology Section