



Division of Therapy Services

Annual Scholarly Report: Fiscal Year 2020

The accomplishments outlined in this report showcase the work of our dedicated and talented team of therapists who strive on an ongoing basis to contribute new knowledge to the field of rehabilitation. Sixty-five therapists presented research and educational presentations at twenty-three professional conferences at the local, state, national and international levels. Ten articles were published in peer-reviewed journals, multiple textbook chapters published and numerous awards/recognition received. Congratulations to our therapists on these contributions!

Conference Presentations

<u>The 9th Annual Mid-Atlantic Shoulder and Elbow Society Meeting</u> September 6, 2019; Washington, DC		
Proximal Humerus Fractures: If it's broke why fix it?	<u>Brian Leggin, PT, DPT, OCS</u>	Panelist

<u>6th International Congress of Shoulder and Elbow Therapists</u> September 17-20, 2019; Buenos Aires, Argentina		
Symposium Two: Shoulder and Elbow in Sports Baseball and Tennis Rehab	<u>Brian Leggin, PT, DPT, OCS</u>	Invited Speaker

<u>17th Annual Jean Feldman Memorial Rehabilitation Conference</u>		
September 19, 2019; Philadelphia, PA		
How does physical therapy empower People with Parkinson's?	<u>Joellyn Fox, PT, DPT</u>	Education session
How does occupational therapy empower People with Parkinson's?	<u>Julia Wood, MOT, OTR/L</u>	Education session
How does speech language pathology empower People with Parkinson's?	<u>Meredith Pauly, MA, CCC-SLP</u>	Education session
Therapy versus exercise, what's the difference	<u>Heather Cianci, PT, MS, GCS</u>	Education session

<u>International Congress of Parkinson's Disease and Movement Disorders</u>		
September 23-25, 2019; Nice, France		
Outcomes After Weighted Lumbosacral Orthosis (LSO) and Exercise in a Patient with Progressive Cerebellar Ataxia	<u>Sabrina Mele, PT, DPT</u>	Poster presentation

<u>Eighth Annual Johns Hopkins Critical Care Rehabilitation Conference</u>		
October 10-12, 2019; Baltimore, MD		
Speech, Swallowing and QoL with a Tracheostomy	<u>Randy Dubin, MA, CCC-SLP</u>	Education Session
Interdisciplinary Views on Out of Bed Positioning for Critically Ill Patients with Sacral Pressure Ulcers	<u>Carolyn R. Fitzgerald, DrOT, OTR/L</u> <u>Cassandra Deitrick, PT, DPT</u>	Poster Presentation
Alternative approach to exercise in a patient with an internal jugular transvenous pacemaker	<u>Cassandra Deitrick, PT, DPT</u>	Poster Presentation

<u>Annual American Society of Shoulder and Elbow Therapists Meeting</u>		
October 16-19, 2019; New York, NY		
Changes In Treatment of the Shoulder and Elbow	<u>Martin Kelley, PT, DPT, OCS</u>	Founders and Fellows Round Table

<u>Penn Medicine Princeton Medical Center Education Day</u> October 18, 2019; Princeton, NJ		
Brain Injury	<u>Carol Wamsley, PT, DPT, NCS, CBIS</u> <u>Abigail Devlin, PT, DPT</u>	Education Session

<u>Pennsylvania Occupational Therapy Association (POTA) Conference</u> October 18-19, 2019; King of Prussia, PA		
Is Higher Hospital Spending on Occupational Therapy Associated with Lower Readmission Rates at an Urban Academic Medical Center?	<u>Kathryn Hop, MOT, OTR/L</u> <u>Megan Link MS, OTR/L, MBA</u>	Poster Presentation
Mentorship for Practicing Occupational Therapists	<u>Andrea Vourtsis, MOT, OTR/L</u>	Education Session
Considerations for Individuals Who Experience Homelessness Following Acute Hospitalization	<u>Timothy Veltre, MS, OTR/L</u> <u>Jonathan Forkin, MS, OTR/L</u>	Poster Presentation
Treating the Medically Complex Patient: Using Lab values to Guide Clinical Decision Making in Acute Care	<u>Samantha Nixon, DPT</u> <u>Sarah Dunn, PT, DPT, NCS</u> <u>Abigail Sossaman, MOT, OTR/L</u>	Education Session

<u>Biannual Penn Medicine Heart Transplant Support Group</u> October 23, 2019; Philadelphia, PA		
Heart Transplant and Exercise - Stay Fit for Life	<u>Joe Adler, PT, DPT, CCS</u> <u>Claire Marine, PT, DPT</u> <u>Sara Steinagel MOT, OTR/L</u> <u>Malachy J. Clancy, PhD, MOT, OTR/L, BCPR</u>	Education Session

<u>American Academy of Orthopaedic Manual Physical Therapists Conference</u> October 23-26, 2019; Orlando, FL		
Avoidance of Planned Cervical Spine Surgery with Cervico-thoracic Spinal Manipulation in A Patient Presenting with Cervical Radiculopathy: A Case Report	<u>Ross Fagnoli, PT, DPT, OCS</u> <u>Joseph Moffa, PT, DPT</u> Cameron MacDonald, PT, DPT, OCS, GCS, FAAOMPT	Oral Presentation
Integration of Pain Neuroscience Education and Manual Therapy for the Management of Great Toe Dysfunction: A Case Study	<u>John Hagan, PT, DPT, OCS, FAAOMPT</u>	Poster Presentation
Spinal Manipulation Combined with Joint Position Sense Training in a Patient with Chronic Knee Pain, Headaches, Upper Limb Pain and Post-Concussive Syndrome: A Case Study	<u>John Hagan, PT, DPT, OCS, FAAOMPT</u>	Poster Presentation
Multimodal Manual Therapy and Cervicovestibular Approach to Management of a Patient with Post-Concussive Syndrome: A Case Study	Nicholas Gulla, PT, DPT <u>Michael Steimling PT, DPT, OCS, FAAOMPT</u> Michael O'Hara, PT, DPT, OCS	Poster Presentation

<u>Pennsylvania Physical Therapy Association (PPTA) Conference</u> October 25-27, 2019; Champion, PA		
Body Weight Supported Gait for an Adult Stroke Survivor with a Ventricular Assist Device and Intensive Care Unit-Acquired Weakness	<u>Carol A. Wamsley, PT, DPT, NCS, CBIS</u> <u>Brittany Kelly, PT, DPT</u>	Poster Presentation
Visuospatial and Memory Impairments Correlate with Upper Limb Tracking Performance in Chronic Stroke: A Rehabilitation Robotics Approach	<u>Carol A. Wamsley, PT, DPT, NCS, CBIS</u> Breanna Lyn, BS; Kevin Bui, BS; Matthew Roland; Michelle J. Johnson PhD	Oral Presentation

<u>American Public Health Association (APHA) Annual Meeting and Expo</u> November 2-6, 2019; Philadelphia, PA		
Access to life-extending treatment: Variation in interpretation and implementation of clinical practice guidelines for psychosocial assessment impacts LVAD implant decisions	Amy Jessop, PhD <u>Malachy J. Clancy, PhD, MOT, OTR/L, BCPR</u>	Oral Presentation

<u>2019 Huntington Study Group Annual Meeting</u> November 7-9, 2019; Sacramento, CA		
National trends in inpatient gastrostomy placement for Huntington Disease	<u>Meredith Pauly, MA, CCC-SLP</u>	Poster Presentation

<u>American Speech-Language Hearing Association (ASHA) Annual Convention</u> November 21-23, 2019; Orlando, Florida		
Implementation of an Interprofessional Tracheostomy Team: Helping Patients and Providers Breathe Easy	<u>Nadine Amsterdam, MS, CCC-SLP</u> <u>Lauren Jacobs, MA, CCC-SLP</u> <u>Amit Starfield, MA, CCC-SLP</u>	Education Session
Amplitude-Based Speech, Physical & Occupational Therapies for Parkinson's Disease: How They Work & Why!	Cynthia Fox, PhD, CCC-SLP Laura Guse, MPT <u>Julia Wood, MOT, OTR/L</u> David McFarland, PhD	Education Session

<u>The Philadelphia Orthopaedic and Sports Rehab Foundation 2019 Lower Extremity Update</u> November 22-23, 2019; Philadelphia, PA		
Clinical Examination of the Hip and Knee	<u>Martin Kelley, PT, DPT, OCS</u> <u>Michael Roberto, PT, DPT, OCS</u> <u>Michael Steimling, PT, DPT, OCS</u> <u>Molly Dang, PT, DPT, OCS</u>	Workshop
Mobilization and Soft Tissue Techniques to Improve Lower Extremity Mobility	<u>James Arnone, PT, DPT, Cert. MDT</u> <u>Karen Havlicsek, PTA</u> <u>Christopher Wickel, PT, DPT, OCS</u>	Workshop
Rehabilitation of Meniscus Lesions: Is therapy better than surgery?	<u>Brian Leggin, PT, DPT, OCS</u>	Education Session
Hamstring Injuries: Prevention and Rehabilitation	<u>Martin Kelley, PT, DPT, OCS</u>	Education Session
Clinical Examination of the Foot and Ankle	<u>Cheryl Cocca, PT, DPT, OCS</u> <u>Michael Roberto, PT, DPT, OCS</u> <u>Michael Steimling, PT, DPT, OCS, FAAOMPT</u>	Workshop
Instrument Assisted Soft Tissue Mobilization for the Lower Extremity	<u>James Arnone, PT, DPT, Cert. MDT</u> <u>Karen Havlicsek, PTA</u>	Workshop
Motor Control and Rehab Considerations for Return to Activity	<u>Christopher Wickel, PT, DPT, OCS, Cert.MDT</u>	Workshop

<u>American Association for Hand Surgery (AAHS) Conference</u> January 8-11, 2020; Fort Lauderdale, FL		
The Highly Effective Educator- Moving from Novice to Expert in Patient Education	David R. Steinberg, MD Benjamin Gray, MD Ines Lin, MD Stephen Liu, MD <u>Gayle K. Severance, MS, OT/L, CHT</u>	Breakout Session

<u>Parkinson Foundation's Expert Briefing</u> January 21, 2020; Webinar		
Optimal Exercise Strategies for Stability, Stamina and Strength	<u>Heather Cianci, PT, MS, GCS</u>	Moderator

<u>American Physical Therapy Association's Combined Sections Meeting (CSM)</u> February 12-15, 2020; Denver, Colorado		
Utilization of a Criterion-Based Rehabilitation Program in a Patient with Traumatic Thigh Compartment Syndrome and Fasciotomy	<u>Daniel M. Goldstein, PT, DPT, OCS</u>	Poster Presentation Academy of Sports Physical Therapy
Investigating the Functional Implications of CAR T-Cell Therapies and Precision Medicine	<u>Claire Child PT, DPT, CCS</u> Samantha Maryak, PT, DPT	Poster Presentation Academy of Oncologic Physical Therapy
Neuromuscular Electric Stimulation to the Lumbar Spine Does Not Increase Abdominal Muscle Thickness	<u>Annina Gerardi, PT, DPT, OCS</u> <u>Won Sung, PT, DPT, PhD</u>	Poster Presentation Academy of Orthopaedic Physical Therapy/Spine
Traumatic Hip Dislocation in a NCAA D1 Football Player with Occult Sequelae: A Case Study	<u>Dan Safford, PT, DPT, OCS</u> Marisa Pontillo, PT, DPT, PhD Brian Sennett, MD	Platform Presentation Academy of Sports Physical Therapy
Measurement Properties of the Timed Functional Arm and Shoulder Test (TFAST) in Patients with Shoulder Problems	<u>Dan Safford, PT, DPT, OCS</u> Kshamata Shah PT, PhD; Jeffrey Turner PT, DPT; Phil McClure, PT, PhD, FAPTA	Platform Presentation Academy of Orthopaedic Physical Therapy

Physical Rehabilitation of a Patient Receiving Inhaled Nitric Oxide in the Critical Care Setting	<u>Melanie Quintans, PT, DPT, CCS</u> <u>Joe Adler, PT, DPT, CCS</u>	Poster Presentation Academy of Cardiopulmonary Physical Therapy
Frail or Fail? Skeletal Muscle in Lung Transplant and Critical Illness	Michael Tevald, PT, PhD <u>Joe Adler, PT, DPT, CCS</u> <u>Derek Zaleski, PT, DPT</u> Kirby Maher, PT, PhD Salina Parry, PT	Education Session Academy of Cardiovascular & Pulmonary Physical Therapy
A Kinetic Chain Approach to Rehabilitation of Overhead Athletes	Angela Rosemarie Tate, PT, PhD <u>Brian Leggin, PT, DPT, OCS</u> Brian John Eckenrode, PT, DPT	Education Session Academy of Orthopaedic Physical Therapy/Spine
Assessment of Restoration of Muscular Performance Following Shoulder Stabilization Surgery	<u>Brittany Lynch, PT, DPT, SCS, OCS</u>	Platform Presentation Academy of Sports Physical Therapy
Morning Sports Rounds#2: Start to Finish: Clinical decision making for Complex ACL Reconstructed Basketball Player	<u>Brittany Lynch, PT, DPT, SCS, OCS</u>	Education Session Academy of Sports Physical Therapy
Gait Retraining in the Management of Two Runners with Chronic Stress Urinary Incontinence: Case Reports	<u>Mike Steimling, PT, DPT, OCS</u> <u>Mike Roberto, PT, DPT, OCS</u>	Poster Presentation Academy of Pelvic Health
A Multimodal Manual Therapy and Cervicovestibular Approach to Management of Post-Concussion Syndrome: A Case Report	Nicholas Gulla, PT, DPT, <u>Mike Steimling, PT, DPT, OCS</u> Michael O'Hara, PT, DPT	Poster Presentation Academy of Orthopaedic Physical Therapy
The Safety and Feasibility in Performing Standardized Outcome Measures on Patients with Pulmonary Artery Catheters	<u>Claire Marine, PT, DPT</u> <u>Lindsay Fluehr, PT, DPT</u>	Poster Presentation Academy of Acute Care Physical Therapy

<u>46th Philadelphia Surgery and Rehabilitation of the Hand: A 20/20 Vision*</u>		
March 14-17, 2020; Philadelphia, PA		
Extensor Tendon Injuries	<u>Gayle K. Severance, MS, OT/L, CHT</u>	Invited speaker
-Instrument Assisted Soft Tissue Mobilization -A Kinetic Chain Approach to Rehabilitation of the Overhead Athlete	<u>Brian Leggin, PT, DPT, OCS</u>	Invited speaker
Elbow Contracture Release	<u>Laura Walsh, MS, OTD, OT/L, CHT</u>	Invited speaker
Clinical Examination of the Shoulder	<u>Martin Kelley, PT, DPT, OCS</u> <u>Brian Leggin, PT, DPT, OCS</u>	Invited speakers

<u>American Occupational Therapy Association's Annual Conference*</u>		
March 26-29, 2020; Boston, Massachusetts		
Demonstrating the Distinct Value of Occupational Therapy in the Neonatal Intensive Care Unit: An Overview of Infant and Parent/Caregiver Occupations	<u>Meredith Antanavage, MOT, OTR/L</u>	Poster Presentation
The role of activities of daily living (ADL) independence in post-acute care rehabilitation service needs in the elderly abdominal surgery population	<u>Erika Dobson, MOT, OTR/L, CBIS</u>	Poster Presentation
Assessment of cancer related cognitive decline and related factors in an inpatient oncology population	<u>Erika Dobson, MOT, OTR/L, CBIS</u> <u>Malarie Chant, MOT, OTR/L</u>	Poster Presentation
Cognition Performance and Functional Independence Post Liver Transplant	<u>Erica Jaskol, MS, OTR/L</u>	Poster Presentation
Interdisciplinary practices and beliefs regarding out of bed positioning for critically ill patients with sacral pressure ulcers	<u>Carolyn Fitzgerald, DrOT, OTR/L, CBIS</u>	Poster Presentation
The Integral Role of Occupational Therapy in a Parkinson-Specific Rehabilitation Approach	<u>Julia Wood, MOT, OTR/L</u>	Short Course
Vaping Induced Acute Respiratory Distress Syndrome (ARDS): A Clinical Case Study in Functional Recovery	<u>Malachy J. Clancy, PhD, MOT, OTR/L, BCPR</u> <u>Sara Steinagel, MOT, OTR/L</u> <u>Fiona Egan, MS, OTR/L</u>	Poster Presentation

<u>Parkinson Council's 2020 State of Parkinson's Roundtable</u>		
April 29, 2020; Webinar		
Staying Safe & Active at Home with Parkinson's	<u>Heather Cianci, PT, MS, GCS</u>	Panelist

<u>27th Annual Penn Medicine Prosthetics Course</u> May 13-14, 2020; Virtual		
Pre and Post-Prosthetic Rehab from a Therapist's Perspective	<u>Christopher Gorrell, PT, DPT</u>	Education Session

<u>National Association of Neonatal Therapists (NANT)</u> May 14-16, 2019; Virtual		
The Effects of Supplemental Oxygen Use on Neonatal Development as Indicated by the Test of Infant Motor Performance	<u>Tara P. Dempsey, MOT, OTR/L</u>	Poster Presentation
Barriers Encountered with Swaddle Bathing Implementation	<u>Nicole Rudolph, MOT, OTR/L</u> Lara Liszka, OTD/S	Poster Presentation

* Conferences cancelled due to COVID pandemic.

Peer Reviewed Publications

Verma R, Swanson RL, Parker D, Ismail AA, MD, Shinohara RT, Alappatt JA, Doshi J, Davatzikos C, Gallaway M, Duda, D, et al. Findings in US Government Personnel with Possible Exposure to Directional Phenomena in Havana, Cuba. *JAMA*. 2019; 322(4): 336-347.

Courtwright AM, Zaleski D, Tevald M, Adler J, Singer JP, Cantu EE, A Bermudez C, Diamond JM. Discharge Frailty Following Transplantation. *Clin Transplant*. 2019; 33(10): 1-7.

Dillingham T, Kenia J, Popescu A, Plastaras C, Becker S, Shofer F. Pain Outcomes with an Elliptical Regimen (POWER) Study: Identifying the Proper Dosage of Exercise for Therapeutic Effect in Persons with Chronic Back Pain. *J Phys Med Rehabil*. 2020; 2(2): 23-28.

Micheletti RG, Chansky PB, Haun PL, Seykora JT, Dekerlegand J, Sultan LR, Schultz SM, Sehgal CM, Sobanko JF. Letter to the Editor: Ablative Fractional Laser Resurfacing for Treatment of Sclerosis and Contractures in Chronic Graft-Versus-Host Disease: A Pilot Study. *Am Acad Dermatol*. 2020; 82(4): 984-986.

Ojha HA, Fritz JM, Malitsky AL, Wu J, Weiner MG, Brandi JA, Rhon DI, Mobo BHP, Fleming KM, Beidleman RR, Wright WG. Comparison of Physical Therapy and Physician Pathways for Employees with Recent Onset Musculoskeletal Pain: A Randomized Controlled Trial. *American Academy of Physical Medicine and Rehabilitation*. 2020; Apr 13.

Bardakjian TM, Klapper J, Carey A, Wood J, Pauly M, Gasper K, Lawler K, Tran B, Bell Y, Zwil A, Gonzalez-Alegre P. Addressing the value of multidisciplinary clinical care in Huntington's disease: A snapshot of a new Huntington's Disease Center. *J Huntingtons Dis*. 2019;8(4):501-507.

Hamedani A, Pauly M, Thibault D, Gonzalez-Alegre P, Willis A. Inpatient gastrostomy in Huntington's disease: Nationwide analysis of utilization and outcomes compared to amyotrophic lateral sclerosis. *Clinical Parkinsonism and Related Diagnoses*. 2020; 3:1-6.

Sung W, Wong A, Pourshogi A, Pourezai K, Silfies S. Near infrared spectroscopy confirms recruitment of specific lumbar extensors through neuromuscular electrical stimulation. *Physiotherapy Theory and Practice*. 2020; 36(4): 516-523.

Sung W, Hicks G, Ebaugh D, Stackhouse S, Smith S, Wattanonon P, Silfies S. Individuals With and Without Low Back Pain use Different Motor Control Strategies to Achieve Spinal Stiffness During the Prone Instability Test. *J Orthop Sports Phys Ther*. 2019; 49(12):899-907

Roberto R, Barry J, Sung W. Facet Arthrosis and Spinal Lipomatosis-Related Spinal Stenosis. *J Orthop Sports Phys Ther*. 2020; 50(6):345-346.

Textbook Chapters

Krockak R, Safford DW, Greenberg E, Ganley TJ. (2019). Sports Shoulder. In J Abzug, SH Kozin, & R Neiduski (Eds.), Pediatric Hand Therapy. Philadelphia, Pennsylvania: Elsevier.

Pontillo, M, Kelley, MJ, Zgonis, M. (2020). Clinical Examination of the Shoulder. In TM Skervin, AL Osterman, J Fedorczyk & PC Amadio (Eds.), Rehabilitation of the Hand and Upper Extremity. Philadelphia, Pennsylvania: Mosby.

Piercey, M, Kelley, MJ, Kuntz, AF. (2020). Frozen Shoulder: Surgery and Therapy. Clinical Examination of the Shoulder. In TM Skervin, AL Osterman, J Fedorczyk & PC Amadio (Eds.), Rehabilitation of the Hand and Upper Extremity. Philadelphia, Pennsylvania: Mosby.

Way-fu Chan, W, Namdari, S, Leggin, BL, Kelley, MJ, Kearns, JR, Williams, GR. (2020). Surgical and Postoperative Management of Shoulder Arthritis. In TM Skervin, AL Osterman, J Fedorczyk & PC Amadio (Eds.), Rehabilitation of the Hand and Upper Extremity. Philadelphia, Pennsylvania: Mosby.

Levin SL. Severance G. Levy T. Mendenhall, S. Walsh L. (2020). Hand and Upper Extremity Transplantation: Surgical and Therapy Management. In TM Skervin, AL Osterman, J Fedorczyk & PC Amadio (Eds.), Rehabilitation of the Hand and Upper Extremity. Philadelphia, Pennsylvania: Mosby.

Leggin, BG, Cammarota, B, Kelley, MJ. (2020). Rehabilitation Principles After Rotator Cuff Repair. In JD Kelly (Ed.), Premier Approaches to Arthroscopic Rotator Cuff Repair. Thorofare, New Jersey: Slack.

Awards, Honors and Recognition

Ambassador for The Davis Phinney Foundation for Parkinson's	Julia Wood MOT, OTR/L	Ambassadors for The Davis Phinney Foundation for Parkinson's share resources and information through local and regional communities to help those living with Parkinson's Disease improve their quality of life.
Best Research Platform Award at the Pennsylvania Physical Therapy Association (PPTA) Conference	Carol A. Wamsley, PT, DPT, NCS, CBIS	Awarded for the research presentation titled, "Visuospatial and Memory Impairments Correlate with Upper Limb Tracking Performance in Chronic Stroke: A Rehabilitation Robotics Approach".
Steven Kolumban Outstanding Physical Therapist Assistant Award from the Pennsylvania Physical Therapy Association (PPTA)	Jennifer Novik, PTA, MBA	This award acknowledges a physical therapist assistant demonstrating outstanding achievement in clinical practice, community service, and personal commitment to physical therapy through professional contributions to the PPTA, the PPTA PTA Special Interest Group (SIG), or the APTA.
Special Interest Group Acute Care Award from the Pennsylvania Physical Therapy Association (PPTA)	Elizabeth Steele, PT, DPT, CCS	The SIG recognize a member physical therapist or physical therapist assistant demonstrating excellence in patient care or clinical practice, education or research and/or community advocacy at the individual, Chapter, or National level in the practice area supported by the SIG.
First place for Best Platform Presentation - Clinical Pearls at the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT) Conference	Ross Fagnoli, PT, DPT, OCS	Awarded for the research presentation titled, "Avoidance of Planned Cervical Spine Surgery with Cervico-thoracic Spinal Manipulation in A Patient Presenting with Cervical Radiculopathy: A Case Report"

Recipient of the New Member Scholarship Award from the Huntington Study Group	Meredith Pauly, MA, CCC-SLP	Provided financial support to attend and present research titled “National trends in inpatient gastrostomy placement for Huntington disease” at the 2019 Annual Meeting.
Member, American Academy of Orthopaedic Surgeons (AAOS) Clinical Practice Guideline Committee	Brian Leggin, PT, DPT, OCS	Nominated by the American Physical Therapy Association (APTA) to participate on the AAOS Clinical Practice Guidelines on the <i>Treatment of Glenohumeral Joint Osteoarthritis (GJO)</i>
Achieved American Board of Physical Therapy (ABPT) clinical specialization in 2019	Amanda McDevitt, PT, DPT, WCS	Women’s Health
	Nicholas Bertsch, PT, DPT, OCS	Orthopaedic
	Nina Gerardi, PT, DPT, OCS	Orthopaedic
	Christopher Wickel, PT, DPT, OCS	Orthopaedic
	Carlotta Jones, PT, OCS	Orthopaedic
	Kyle Cunningham, PT, DPT, NCS	Neurologic
	Christine Cheatham Foley, PT, DPT, NCS	Neurologic
	Benton Lindaman, PT, DPT, NCS	Neurologic
	Melanie Quintans, PT, DPT, CCS	Cardiovascular & Pulmonary
	Derek Zaleski, PT, DPT, CCS	Cardiovascular & Pulmonary
Inducted into the Academy of Certified Brain Injury Specialists	Abigail Devlin, PT, DPT, CBIS Samantha Martemucci, MS, OTR/L, CBIS Eric Johns, PT, DPT, CBIS	Achieved Certification in Brain Injury Specialization (CBIS)
Awarded Fellow designation from the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT)	John Hagan, PT, DPT, OCS, FAAOMPT	Completed required fellowship coursework from the American Academy of Orthopedic Manual Physical Therapists (AAOMPT).
Selected as an Apprentice in the Physical Therapist Mentoring Program of the Cystic Fibrosis Foundation	Elizabeth Steele, PT, DPT, CCS	The Cystic Fibrosis Foundation Mentorship Program is a structured mentor/apprentice program to provide resources and information for physical therapists new to cystic fibrosis with the goal to improve quality of care delivered.

Awarded the APTA Cardiovascular and Pulmonary Section's Merit Award	Joe Adler, PT, DPT, CCS	The Cardiovascular and Pulmonary Section's Merit Award acknowledge a member's contribution to the advancement, knowledge and recognition of the Section.
2019 Recipient of the Unshakeable Award	Heather Cianci, PT, MS, GCS	Honoree of the Shake It Off Foundation Service Award for advocacy for Parkinson's Disease.

Collaborative Research Projects

<u>Project Title</u>	<u>Staff Involved</u>	<u>Collaborators</u>
Frailty and Predicting Unplanned Lung Transplant Readmissions	Derek Zaleski, PT, DPT, CCS	<ul style="list-style-type: none"> • 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, CCS Sarah Daly, PTA	<ul style="list-style-type: none"> • Penn Medicine Lung Transplant Team
PERSPIRE (AidCube-Accelerator Fund)	Derek Zaleski, PT, DPT, CCS Joe Adler, PT, DPT, CCS	<ul style="list-style-type: none"> • Penn Medicine Lung Transplant Team
Early Impact of Lung Transplantation on Skeletal Muscle	Derek Zaleski, PT, DPT, CCS Joe Adler, PT, DPT, CCS Liz Steele, PT, DPT, CCS Sarah Fromal, PT Emily Ott PT, DPT	<ul style="list-style-type: none"> • Penn Medicine Lung Transplant Team
Thera-Drive	Carol Ann Wamsley, PT, DPT, BS, NCS, CBIS	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Dr. Michelle Johnson, Department of Physical Medicine & Rehabilitation, Penn Medicine
ATLAS-A/B: A Phase 3 Study to Evaluate the Efficacy and Safety of Fitusiran in Patients With Hemophilia A or B	Elsa Amaral, PT, DPT, OCS Sarah Dunn, PT, DPT, NCS	<ul style="list-style-type: none"> • Penn Medicine Hemophilia Team
BeneGene2	Elsa Amaral, PT, DPT, OCS Sarah Dunn, PT, DPT, NCS	<ul style="list-style-type: none"> • Penn Medicine Hemophilia Team
PROWALKS Study: Promoting Recovery Optimization with WALKing Exercise after Stroke	Sarah Dunn, PT, DPT, NCS Colleen Jones, PT, DPT, NCS Kathryn Siciliano, PT, DPT Melissa Danzer, PT, DPT Brittany Kelly, PT, DPT	<ul style="list-style-type: none"> • 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)	Dan Safford PT, DPT, OCS, CSCS Erin McIntosh, PT, DPT, OCS, ATC Brian Donnelly, PT, DPT, OCS Rachael Gnias, PT, DPT John Hagan, PT, DPT, OCS, FAAOMPT Rob Wise, PT, DPT, OCS	<ul style="list-style-type: none"> • 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	Kyle Cunningham, PT, DPT, NCS, CBIS Claire Marine, PT, DPT Cassandra Deitrick, PT, DPT	<ul style="list-style-type: none"> • 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, NCS, CBIS Claire Marine, PT, DPT Cassandra Deitrick, PT, DPT	<ul style="list-style-type: none"> • Dr. Colin Quinn, Department of Neurology, Penn Medicine
Extension Study to Evaluate the Long-Term Effects of ACE-083 in Patients With Facioscapulohumeral Muscular Dystrophy (FSHD) and Charcot-Marie Tooth (CMT) Disease Types 1 and X (CMT1 and CMTX)	Kyle Cunningham, PT, DPT, NCS, CBIS Claire Marine, PT, DPT Cassandra Deitrick, PT, DPT	<ul style="list-style-type: none"> • Dr. Lauren Elman and 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	<ul style="list-style-type: none"> • 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, OCS, CSCS Various outpatient clinicians	<ul style="list-style-type: none"> • Dr. Phil McClure, Professor of Physical Therapy, Arcadia University
Double-blind, randomized, study of ATB200/AT2221 in adult subjects with late-onset Pompe disease (LOPD)	Kyle Cunningham, PT, DPT, NCS, CBIS Carla D'Urso, PT, DPT	<ul style="list-style-type: none"> • Dr. Colin Quinn, Department of Neurology, Penn Medicine
A Randomized, Placebo-Controlled Study of the Efficacy and Safety of Intracerebral Stem Cells (CTX0E03) in Subjects with Disability Following an Ischemic Stroke (PISCES III)	Erica Jaskol, MS, OTR/L Erika Dobson, MOT, OTR/L, CBIS	<ul style="list-style-type: none"> • Dr. Brett Cucchiara, Department of Neurology, Penn Medicine
Supporting Older Adults At-Risk (SOAR)	Rebecca Trotta PhD, RN HUP Occupational and Physical Therapists	<ul style="list-style-type: none"> • Hospital of the University of Pennsylvania Nursing
Self-Care for Head and Neck Cancer Survivors with Lymphedema and Fibrosis	Joy Cohn, PT, CLT-LANA Sarena Banas, PT, DPT, CLT-LANA	<ul style="list-style-type: none"> • Penn Nursing and Penn Medicine Department of Oncology

<p>A Phase 1 / 2 Open-Label, Multi-center Dose Escalation Study to Assess the Safety, Pharmacokinetics and Tolerability of Single Doses of GTP-201 Delivered into the Cisterna Magna (ICM) of Adult Patients with Type 3 Spinal Muscle Atrophy (SMA)</p>	<p>Kyle Cunningham, PT, DPT, NCS, CBIS</p>	<ul style="list-style-type: none"> • Dr. Lauren Elman, Department of Neurology, Penn Medicine
<p>A Multicenter Randomized Placebo-Controlled Phase 3 Study on the Safety and Efficacy of Deflazacort (EMFLAZA®) in Subjects with Limb-Girdle Muscular Dystrophy 21 (LGMD2I)</p>	<p>Kyle Cunningham, PT, DPT, NCS, CBIS Colleen Jones, PT, DPT, NCS</p>	<ul style="list-style-type: none"> • Dr. Lauren Elman, Department of Neurology, Penn Medicine
<p>Stepping up to improve inpatient mobility: A mixed methods quasi-experimental study testing a nurse-led mobility intervention in hospitalized medicine patients</p>	<p>Claire Child DPT, MPH, CCS</p>	<ul style="list-style-type: none"> • Dr. Kirstin Manges, Perelman School of Medicine
<p>MOVE-IT: Leveraging Connected Health to Improve Mobility in Hospitalized Seniors</p>	<p>Claire Child DPT, MPH, CCS</p>	<ul style="list-style-type: none"> • Dr. Ryan Greyson and Dr. Mitish Patel, Penn Medicine Center for Health Incentives and Behavioral Economics at the Leonard Davis Institute (CHIBE)
<p>Prospective Analysis of Frailty Phenotype Assessments to Optimize Treatment Strategies for Older Patients with Hematologic Malignancies</p>	<p>Claire Child DPT, MPH, CCS</p>	<ul style="list-style-type: none"> • Dr. Shannon McCurdy, Penn Medicine Department of Hematology-Oncology