



*Division of Therapy Services*

*Annual Scholarly Report: Fiscal Year 2019*

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 2019, research and educational presentations were presented by over sixty therapists at thirty-two professional conferences at the local, state, national and international levels. Four articles were published in peer-reviewed journals and multiple awards and special recognition received. Congratulations to our therapists on an extremely successful 2019!

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*Conference Presentations*

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<b><u>The 7<sup>th</sup> Annual Mid-Atlantic Shoulder and Elbow Society Meeting</u></b>		
<b>September 7, 2018; Washington, DC</b>		
Acromioclavicular Joint Injuries. So Many Ways, So Few Answers!	<u>Martin J. Kelley, PT, DPT, OCS</u>	Debate

<b><u>American Society of Hand Therapists 2018 Annual Meeting</u></b>		
<b>September 20-23, 2018; Dallas, TX</b>		
Hand Transplantation and Hand Therapy: Concepts to Carry into Your Hand Everyday Practice	<u>Gayle K. Severance, MS, OT/L, CHT</u> <u>Amy Vissing, MS, OTR/L, CHT</u>	Invited Speakers

<b><u>Italian Hand Therapy and Surgery Meeting</u></b> <b>October 3-5, 2018; Pordenone, Italy</b>		
<ul style="list-style-type: none"> <li>- Complicated Distal Radius Fractures</li> <li>- Sagittal Band and Boutonniere Injuries: Orthoses and Treatment Solutions</li> </ul>	<u>Gayle K. Severance, MS, OT/L, CHT</u>	Invited Speaker

<b><u>Pennsylvania Occupational Therapy Association (POTA) Conference</u></b> <b>October 12-13, 2018; Pittsburgh, PA</b>		
Addressing Cognition for a Patient with Anti-NMDAR Encephalitis	<u>Erica Jaskol MS, OTR/L</u>	Poster Presentation
Points and Rewards in Psychiatry: A Case Study	<u>Gina Daniels MS, OTR/L</u>	Poster Presentation
Advanced Lung Disease in the Acute Care Setting	<u>Teresa Melick MOT, OTR/L, CBIS</u> <u>Malachy Clancy, MOT, OTR/L, BCPR</u> <u>Susan Whitworth, MOT, OTR/L</u>	Education Session

<b><u>Educational Leadership Conference</u></b> <b>October 12-14, 2018; Jacksonville, FL</b>		
Authentic Voices in Academic and Clinical Partnerships: Making It Work	<u>Colleen Chandler, PT, MHS, PhD</u> <i>Co-presenters:</i> Laurita Hack, DPT, MBA, PhD, FAPTA; Gail M. Jensen, PT, PhD, FAPTA, FNAP; Janet Gwyer, PT, PhD, FAPTA; Elizabeth Mostrom, PT, PhD, FAPTA; Terrence Nordstrom, PT, EdD, FAPTA; Sonya Irons, PT, DPT, CCS; Robert Rowe, PT, DPT, DMT, MHS; Susan S. Tomlinson, PT, DPT; Donna Applebaum, PT, DPT, MS; Cindy Flom-Meland, PT, PhD, NCS	Education Session

<b><u>Parkinson's Foundation Allied Team Training for Parkinson's Disease (ATTP)</u></b> <b>October 17-20, 2018; Emory University, Atlanta, GA</b>		
OT for Parkinson's Disease Treatment PT for Parkinson's Disease Treatment The Ups and Downs of Falls (PT and OT) Cognition and PT/OT	<u>Heather Cianci PT, MS, GCS</u> <u>Julia Wood MOT, OTR/L</u>	Invited faculty

<b><u>Pennsylvania Physical Therapy Association (PPTA) Conference</u></b> <b>October 19-21, 2018; King of Prussia, PA</b>		
The Health Status of Older Adults Discharged Home from an Acute Care Hospital: A Descriptive Study	<u>Colleen Chancler PT, MHS, PhD</u> Genevieve Pinto-Zipp; Laurita Hack; Terrence Cahill	Platform Presentation
Mobilization of a Bedbound Bariatric Patient: A Case Study	<u>Christine Cheatham Foley PT, DPT</u>	Platform Presentation
Clinical Decision Making Regarding Red Flags for Mobility in Patients with Known Metastatic Disease to the Bone: A Case Study	<u>Claire Marine PT, DPT</u>	Poster Presentation
Physical Therapy for a Patient Hospitalized with New-Onset Refractory Status Epilepticus: A Case Study	<u>Emily Ott, PT, DPT</u>	Poster Presentation

<b><u>American College of Rheumatology/Association of Rheumatology Health Professionals (ACR/ARHP) Annual Meeting</u></b> <b>October 20-24, 2018; Chicago, IL</b>		
Don't Overextend: Hypermobility Rehab Approaches	<u>Mary Fran Madden, MS, OTR/L, CBIS, MSCS</u> <u>Corey Woldenberg, PT, DPT</u>	Invited Speakers

<b><u>National Congress of the Italian Society of Neurology</u></b> <b>October 27-31, 2018; Rome, Italy</b>		
Outcomes After Exercise in the 73-year-old Male with Parkinson's Disease with Deep Brain Stimulation	<u>Sabrina Mele PT, DPT</u>	Poster Presentation

<b><u>The Philadelphia Orthopaedic and Sports Rehab Foundation 2018 Shoulder &amp; Elbow Update</u></b> <b>November 3-4, 2018; Philadelphia, PA</b>		
<ul style="list-style-type: none"> <li>- Non-Operative Management of Rotator Cuff Tendinopathy and Tears: Yes, They Can Get Better!</li> <li>- Rehabilitation Following Conventional and Reverse Shoulder Arthroplasty</li> <li>- Rehabilitation of Shoulder Girdle Fractures</li> </ul>	<u>Brian Leggin, PT, DPT, OCS</u>	Education Sessions
<ul style="list-style-type: none"> <li>- Rehabilitation Following Rotator Cuff Repair: When Should We Start and What Should We Do?</li> <li>- Guidelines for Rehabilitation of Frozen Shoulder</li> </ul>	<u>Martin J. Kelley, PT, DPT, OCS</u>	Education Sessions
Manual Therapy Approach to Lateral Elbow Pain	<u>Michael Steimling, PT, DPT, OCS, FAAOMPT</u>	Education Session
Changes in Shoulder Rehabilitation Over 30 Years: Where We Are, and Where We're Going	<u>Brian Leggin, PT, DPT, OCS</u> <u>Martin J. Kelley, PT, DPT, OCS</u>	Symposium
Clinical Examination of the Shoulder	<u>Brian Leggin, PT, DPT, OCS</u>	Workshop
Manual Techniques for the Shoulder and Elbow	<u>Martin Kelly, PT, DPT, OCS</u> <u>James Arnone PT, DPT, Cert. MDT</u> <u>Michael Denny MS, PT</u> <u>Karen Havlicsek, PTA</u> <u>Joseph Kearns PT, DPT, OCS</u> <u>Michael Piercey PT, DPT, OCS, Cert. MDT, CSCS</u>	Workshop
Kinetic Chain Approach to Overhead Athlete's Shoulder: Baseball, Swimming, Volleyball, Tennis	<u>Brian Cammarota ATC, PT, DPT, CSCS</u> <u>Marisa Pontillo PT, DPT, PhD, SCS</u>	Education Session
Rehabilitation Principles Following Elbow Fracture	<u>Laura Walsh, MS, OTD, OT/L, CHT</u>	Education Session
Clinical Examination of the Elbow	<u>Wendy McCoy, PT, CHT</u> <u>Laura Walsh, MS, OTD, OT/L, CHT</u> <u>Jennifer Frazer, MHS, OT/L</u>	Lab Breakout Session

<b><u>Blood Flow Restriction Training Techniques</u></b> <b>November 2, 2018; Chester, PA</b>		
Blood Flow Restriction Exercise	<u>Justin Shaginaw PT, DPT, LAT, ATC</u> <i>Co-presenter: Jon Herting, PT, DPT, CSCS, HFS, USAW</i>	Invited Speaker

<b><u>Symposium on Advanced Wound Care Fall Meeting</u></b> <b>November 2-4, 2018; Las Vegas, NV</b>		
Lymphedema Therapy and the Wound Clinic: The Benefits of a Collaborative Approach to Patient Care: A Case Series	<u>Erin Fazzari PT, MPT, CLT, CWS</u>	Poster Presentation

<b><u>American Society of Hand Therapists "Hands On Orthotics"</u></b> <b>November 4, 2018; Brooklyn, NY</b>		
Hands on Orthotics	<u>Gayle K. Severance, MS, OT/L, CHT</u>	Instructor

<b><u>American Speech-Language Hearing Association (ASHA) Annual Convention</u></b> <b>November 15-17, 2018; Boston, Massachusetts</b>		
Quality of Life & Dysphagia in Patients With Chronic Critical Illness With a Tracheostomy	<u>Randy Dubin, MA, CCC-SLP</u>	Oral Presentation

<b><u>Eastern Athletic Trainers' Association Annual Meeting and Clinical Symposium</u></b> <b>January 11, 2019; Valley Forge, PA</b>		
Shoulder Rehabilitation in the Throwing and Overhead Athlete	<u>Brian Cammarota, ATC, PT, DPT, CSCS</u> Mark Miller, MS, ATC, PTA	Workshop

**American Physical Therapy Association's (APTA) Combined Sections Meeting**

**January 23-26, 2019; Washington, DC**

Generating Interdisciplinary Mobility Interventions and Patient Education from the AM-PAC "6-Clicks" Inpatient Basic Mobility Short Form	<u>Claire Child, PT, DPT, MPH, CCS</u> Colleen Chanler, PT, MHS, PhD	Platform Presentation Academy of Acute Care PT
Advent and Implementation of a Standardized Orthopaedic Clinical Education Curriculum: A Novel Approach to Clinical Education	<u>Michael Steimling PT, DPT, OCS, FAAOMPT</u> Kathryn Mitchell PT, DPT	Platform Presentation Academy of PT Education
Repeatability of Upper Extremity Sway Measures in Weight Bearing	<u>Marisa Pontillo, PT, DPT, PhD, SCS</u>	Poster Presentation Academy of Sports PT
Performance Tests for Return to Activity for Patients With Shoulder Conditions	<u>Marisa Pontillo, PT, DPT, PhD, SCS</u> <i>Co-presenters:</i> George Davies & Bryan Riemann	Education Session Academy of Sports PT
Science Meets Practice: Effect of Age-Related Medical Conditions on Shoulder Function in Athletes	<u>Marisa Pontillo, PT, DPT, PhD, SCS</u> <i>Co-presenters:</i> Todd Ellenbecker and Ellen Shanley	Education Session Academy of Sports PT
Science Meets Practice: Do We Need to Fail to Succeed?	<u>Daniel W. Safford, PT, DPT, MAT, OCS, CSCS;</u> <i>Co-presenters:</i> Marisa Pontillo, PT, DPT, PhD, SCS, Scot Morrison, PT, DPT, OCS, CSCS	Education Session Academy of Sports PT
Effects of a Pilot Interdisciplinary Group Education Class on Discharge Readiness in the Thoracic Surgery Population	<u>Melanie Quintans, PT, DPT</u>	Poster Presentation Academy of Acute Care PT
Is Your Career Plan Keeping Up With the Future of Physical Therapy Care in the ICU?	<u>Elizabeth Steele, PT, DPT, CCS</u> Judy Ragsdale, PT; Amy Toonstra PT	Panel Participant Academy of Acute Care PT
Visuospatial and Memory Impairments Correlate with Upper Limb Tracking Performance in Chronic Stroke: A Rehabilitation Robotics Approach	<u>Carol Wamsley, PT, DPT, BS, NCS, CBIS</u> Breanna Lyn, Kevin Bui, Matthew Roland, Michelle J. Johnson	Poster Presentation Academy of Neurologic PT
Reliability, Validity, and Responsiveness of the Timed Functional Arm and Shoulder Test (TFAST) in Patients with Shoulder Problems	<u>Daniel W. Safford, PT, DPT, OCS, MAT</u> Kshamata Shah, PT, PhD; Capt. Jeffrey Turner, PT, DPT; Phil McClure, PT, PhD, FAPTA	Poster Presentation Academy of Orthopaedic PT
Effect Of Pain And Exercise On Voluntary Activation Of The Rotator Cuff Muscles	<u>Daniel W. Safford, PT, DPT, OCS, MAT</u> Shah KM, Cooper J, Sweitzer BA, Karduna A, McClure P	Poster Presentation Academy of Orthopaedic PT
Frozen Shoulder in Patients With Diabetes Mellitus	<u>Martin Kelley, PT, DPT, OCS</u>	Education Session Academy of Orthopaedic PT

<b><u>American Association for Hand Surgery (AAHS) Conference</u></b> <b>January 30-February 2, 2019; Palm Desert, CA</b>		
-Tips for Tendon Transfers -Transplant Versus Neural Controlled Prostheses	<u>Gayle K. Severance, MS, OT/L, CHT</u>	Instructor

<b><u>2019 Winter Shoulder, Knee and Sports Meeting</u></b> <b>February 21-24, 2019; Snowbird, UT</b>		
<ul style="list-style-type: none"> <li>- Rehabilitation for the Unstable Shoulder: Can We Avoid Surgery?</li> <li>- When Can We Return our Athletes to Play After Surgery?</li> <li>- The Role of the Scapular in Rehabilitation</li> <li>- Rehabilitation for the Injured Rotator Cuff</li> <li>- Rehabilitation After Rotator Cuff Repair</li> <li>- Rehabilitation of the Overhead Athletes Shoulder</li> <li>- Developing Criteria for Return to Sport After Surgery &amp; Elbow Problems</li> </ul>	<u>Martin Kelley, PT, DPT, OCS</u>	Invited Speaker

<b><u>The 28th World Congress on Neurology and Therapeutics</u></b> <b>February 28-March 1, 2019; Berlin, Germany</b>		
Outcomes After Weighted Lumbosacral Orthosis (LSO) and Exercise in Patients with Progressive Cerebellar Ataxia	<u>Sabrina Mele PT, DPT</u>	Poster Presentation

<b><u>Advances in Throwing: Latest on Injury Treatment and Performance Optimization</u></b> <b>March 2, 2019; Philadelphia, PA</b>		
How to Assess Kinetic Chain	<u>Brian Leggin, PT, DPT, OCS</u>	Invited Speaker
When is the Scapula a Problem?	<u>Martin Kelley, PT, DPT, OCS</u>	Invited Speaker
Early Injury Recognition: What I Learned from Phillies	<u>Brian Cammarota, PT, DPT, ATC, CSCS</u>	Invited Speaker

<b><u>45th Philadelphia Surgery and Rehabilitation of the Hand: With Focus on Weekday and Weekend Warriors</u></b>		
<b>March 2-5, 2019; Philadelphia, PA</b>		
-Sagittal Band Ruptures: Conservative and Post-Operative Management and Orthotic Interventions -Evaluation of the Wrist	<u>Gayle K. Severance, MS, OT/L, CHT</u>	Invited speaker
-Post-Op Therapy After Rotator Cuff Repair -Throwing Injuries of the Overhead Athlete (Baseball and Tennis)	<u>Brian Leggin, PT, DPT, OCS</u>	Invited speaker
-Therapy and Orthotic Intervention Following Pulley Rupture -Hand Assessment, Where is the Evidence?	<u>Laura Walsh, MS, OTD, OT/L, CHT</u>	Invited speaker Lab Breakout Session
Clinical Examination of the Shoulder	<u>Martin Kelley, PT, DPT, OCS</u> <u>Brian Leggin, PT, DPT, OCS</u>	Invited speakers

<b><u>Parkinson's Foundation Allied Team Training for Parkinson's Disease (ATTP)</u></b>		
<b>March 27-30, 2019; University of Iowa, Iowa City, IA</b>		
OT for Parkinson's Disease treatment PT for Parkinson's Disease treatment The Ups and Downs of Falls (PT and OT) Cognition and PT/OT	<u>Heather Cianci PT, MS, GCS</u> <u>Joellyn Fox PT, DPT</u> <u>Julia Wood MOT, OTR/L</u>	Invited faculty

<b><u>Pennsylvania Physical Therapy Association Southeastern District Mini Combined Sections Meeting</u></b>		
<b>March 30, 2019: Philadelphia, PA</b>		
Can We Make the Decision for Best-Practice Earlier? A Case of a Patient with a Greater Tuberosity Fracture	<u>Tracy Conrad, PTA</u> Joe Kearns, PT, DPT, OCS	Poster
Visuospatial and Memory Impairments Correlate with Upper Limb Tracking Performance in Chronic Stroke: A Rehabilitation Robotics Approach	<u>Carol Wamsley PT, DPT, NCS, CBIS</u> Breanna Lyn, Kevin Bui, Matthew Roland, Michelle J. Johnson	Poster
The Presence of Depression in Patients Post Cardiovascular Surgery	<u>Sarah Daley, PTA</u> Elizabeth Kubis, MOT, OTR/L Tara Dempsey MOT, OTR/L	Poster
Body-Weight-Supported Gait for an Adult Stroke Survivor with a Ventricular Assist Device and Intensive Care Unit-Acquired Weakness	<u>Carol Wamsley PT, DPT, NCS, CBIS</u> <u>Brittany Kelly PT, DPT</u>	Poster



<b>American Occupational Therapy Association's (AOTA) Annual Conference</b>		
<b>April 4-7, 2019; New Orleans, LA</b>		
The Role of Occupational Therapy in an Acute Care Transition Home Program for Older Adults at Risk for Readmission on a General Medicine Service	<u>Meredith Antanavage, MOT, OTR/L</u> <u>Malarie Molinari, MOT, OTR/L</u>	Poster Presentation
Occupational Therapy Intervention in a Level IV Intensive Care Nursery in the Extremely Premature Infant Population	<u>Nicole Rudolph, MOT, OTR/L</u>	Poster Presentation
Assessment and Interventions to Address patients with Grade III Obesity in the Acute Care Environment	<u>Meredith Antanavage, MOT, OTR/L</u>	Poster Presentation
Calciphylaxis in the Setting of Major Lower Limb Amputation: Implications to ADL Participation from an Occupational Therapist Perspective	<u>Erika Dobson, MOT, OTR/L, CBIS</u>	Poster Presentation
Impact of Occupational Therapy on ADL Performance in the Acute Phase of Major LE Amputation	<u>Erika Dobson, MOT, OTR/L, CBIS</u>	Poster Presentation
Occupational Therapy's Involvement in the Post Lung Transplant Population	<u>Teresa Melick, MOT, OTR/L, CBIS</u> <u>Malachy J. Clancy, MOT, OTR/L, BCPR</u> <u>Susan Whitworth, MOT, OTR/L</u>	Poster Presentation
Severity of ADL Dysfunctional Amongst Patients Receiving high Oxygen Concentration: A Case Series	<u>Malachy J. Clancy, MOT, OTR/L, BCPR</u> <u>Teresa Melick, MOT, OTR/L, CBIS</u> <u>Susan Whitworth, MOT, OTR/L</u>	Poster Presentation
Cognition, Agitation and Occupational Therapy for a Patient with Anti-NMDAR Encephalitis During Prolonged Hospitalization: A Case Study	<u>Erica Jaskol MS, OTR/L</u>	Poster Presentation
Occupational Therapy's Role in the Management of Advanced Lung Disease	<u>Teresa Melick, MOT, OTR/L, CBIS</u> <u>Malachy J. Clancy, MOT, OTR/L, BCPR</u> <u>Susan Whitworth, MOT, OTR/L</u>	Educational Presentation
Assessing Neglect in the Acute Care Setting Using the Kessler Foundation Neglect Assessment Process	<u>Erica Jaskol MS, OTR/L</u> <u>Danielle Elfand, MS, OTR/L</u>	Poster Presentation
Take a Break: The Occupational Therapist's Role in Burnout Prevention for Mental Health Practitioners	<u>Gina Daniels MS, OTR/L</u> <u>Alexis Sohinki, MS, OTR/L</u>	Poster Presentation
Nonmotor Features in Parkinson's Disease (PD): The Role of the OT and Considerations for Treatment Effectiveness	<u>Julia Wood MOT, OTR/L</u>	Educational Presentation

**2019 American Trauma Society, PA Division (ATSPA) Conference**

**April 23-24, 2019; Hershey, PA**

It Takes A Village: Patient Centered Mobility Programs with an Interprofessional Team	<u>Colleen Chancler, PT, MHS, PhD</u> <u>Claire Child, PT, DPT, MPH, CCS</u> <u>Susan Gerhard, PT, DPT</u> Margaret Yoho, MSN, RN, ASQ CSSBB	Poster Presentation
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**American Head and Neck Society Annual Meeting**

**May 1-2, 2019; Austin, TX**

Developing a Platform for Value-based Risk Assessment and Bundled Nutrition and Supportive Care Intervention for Head and Neck Cancer Treatment	<u>Meredith Pauly, MA, CCC-SLP</u> <u>Tiffany W. Hogan, MA, CCC-SLP, CLC</u>	Poster Presentation
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**Jane Wright Parkinson's Conference**

**May 3, 2019; Philadelphia, PA**

What is the difference between PT and Exercise?	<u>Heather Cianci PT, MS, GCS</u>	Invited faculty
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**CAR-T and The Rise of the Cellicon Valley**

**May 9, 2019; Philadelphia, PA**

Investigating the Functional Implications of CAR T-Cell Therapies	<u>Claire Child, PT, DPT, MPH, CCS</u> Samantha Maryak, PT, DPT	Poster Presentation
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**27th Annual Penn Medicine Prosthetics Course**

**May 16-17, 2019; Philadelphia, PA**

Pre and Post-Prosthetic Rehab from a Therapist's Perspective	<u>Christopher Gorrell, PT, DPT</u>	Education Session
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**Penn Medicine Physical Medicine & Rehabilitation – Good Shepherd Penn Partners 5th Annual Research Day**

**June 5, 2019; Philadelphia, PA**

Quality of Life and Dysphasia in Patients with Chronic Critical Illness with a Tracheostomy	<u>Randy Dubin, MA, CCC-SLP</u> Joshua M. Veith, M.D., Michael A. Grippi, M.D., Mark E. Mikkelsen, M.D., M.S.C.E	Podium Presentation
Using the AM-PAC 6-Clicks Inpatient Basic Mobility Short Form to Guide Interventions for Mobility and Patient Education in Acute Care	<u>Claire Child, PT, DPT, MPH, CCS,</u> Colleen Chandler, PT, MHS, PhD, Margaret Yoho, MSN, RN, ASQ, CSSBB	Podium Presentation
The perception of persons with Multiple Sclerosis (MS) on the impact of diet and dietary supplements on MS-related signs and symptoms	<u>Heather Dillon Anderson, PT, DPT, NCS</u> Monique Beeko, DPT, Nicholas Leister, DPT, Marc Marcelin, DPT, Ajay Mampilly, PTA, Afolabi Ogunnusi, DPT, Scott Biely, DPT, PhD	Poster Presentation
Severity of ADL Dysfunction amongst patients receiving high oxygen concentration: A Case Series	<u>Malachy J. Clancy, MOT, OTR/L, BCPR</u> <u>Susan E. Whitworth, MOT, OTR/L, CTRS</u> <u>Teresa Melick, MOT, OTR/L, CBIS</u>	Poster Presentation
Mobilization of a Bedbound Bariatric Patient: A Case Study	<u>Christine Cheatham Foley PT, DPT</u>	Poster Presentation
Developing a platform for value-based risk assessment and bundled nutrition and supportive care intervention for head and neck cancer treatment	<u>Tiffany Hogan, MA CCC-SLP</u> <u>Meredith Pauly, MA CCC-SLP</u> Debra DeMille, MS, RD, CSO, Brook Batzel, MSN, CRNP, APRN-BC, AOCNP, Robert C. Goodacre, MBA, LSSBB	Poster Presentation
Body-Weight-Supported Gait for an Adult Stroke Survivor with a Ventricular Assist Device and Intensive Care Unit-Acquired Weakness	<u>Brittany Kelly, PT, DPT</u> <u>Carol A. Wamsley, PT, DPT, NCS, CBIS</u>	Poster Presentation
Outcomes After Weighted Lumbosacral Orthosis (LSO) and Exercises in Patients with Progressive Cerebellar Ataxia	<u>Sabrina Mele, PT, DPT</u>	Poster Presentation
Reliability, Validity, and Responsiveness of the Timed Functional Arm and Shoulder Test (TFAST) in Patients with Shoulder Problems	<u>Daniel W. Safford, PT, DPT, MAT, OCS</u> Kshamata M. Shah, PT, PhD; Capt. Jeffrey Turner, PT, DPT; Philip W. McClure, PT, PhD, FAPTA	Poster Presentation
The Safety and Feasibility in Performing Standardized Balance and Endurance Outcome Measures on Patients with Pulmonary Artery Catheters	<u>Claire Marine, PT, DPT</u> <u>Lindsay Fluehr, PT, DPT</u>	Poster Presentation

Out of Bed Positioning for Critically Ill Patients with Sacral Pressure Injuries: It's Complicated	<u>Carolyn Fitzgerald, DrOT, OTR/L</u> Cassandra Deitrick PT, DPT; Joe Adler PT, DPT, CCS; Robyn Strauss ACNS, BC, MSN, WCC	Poster Presentation
Assessing Neglect in Acute Care Setting using the Kessler Foundation Neglect Assessment Process	<u>Danielle Elfand, MS, OTR/L</u> <u>Erica Jaskol, MS, OTR/L</u>	Poster Presentation
Interdisciplinary management of a patient with lumbosacral radiculopathy and pelvic floor muscle dysfunction. A Tarlov cyst case study	<u>John T. Barry, PT, DPT, OCS</u> <u>Alice Vienneau, PT, DPT</u>	Poster Presentation
Impact of Occupational Therapy on Performance of Activities of Daily Living in the Acute Care Phase of Major Lower Extremity Amputation	<u>Erika Dobson, MOT, OTR/L, CBIS</u>	Poster Presentation
Improvements in pain and function following cervical and thoracic spine manipulation for patients with cervical radiculopathy who failed a McKenzie-style management approach – a case series	<u>Ross Fagnoli, PT, DPT, OCS, Cert. MDT</u> John Hagan, PT, DPT, OCS; Joseph Moffa PT, DPT	Poster Presentation
Lymphedema Therapy and the Wound Clinic: The Benefits of a Collaborative Approach: A Case Series	<u>Erin Fazzari PT, MPT, CLT, CWS</u>	Poster Presentation
Integrating Manual Therapy and Movement Science in the Treatment of Morton's Neuroma in Runners: A Case Study	<u>Ali Ladak PT, DPT</u>	Poster Presentation
Effects of a Pilot Interdisciplinary Group Education Class on Discharge Readiness in the Thoracic Surgery Population	<u>Melanie Quintans PT, DPT, CCS</u>	Poster Presentation
The Effect of Verbal Directions on Grip Strength Scores When Measured using the Hand Held Dynamometer	<u>Laura Walsh, MS, OTD, OT/L, CHT</u>	Poster Presentation
Combining Speech Therapy with Transcranial Direct Current Stimulation (tDCS) in Subacute Patients with Aphasia	Daniela L. Sacchetti, MS, Olufunsho Faseyitan, MS, <u>Molly Brightbill, MS, CCC-SLP</u> , Jacqueline Seidler, M.S. CF-SLP, Roy Hamilton, M.D., MS	Poster Presentation
Efficacy of Response to TMS combined with CILT in Aphasia	Samuel Cason, MA, <u>Leslie Vnenchak, MA, CCC-SLP</u> , Denise Harvey, PhD, Jonathon Magill, BA, Roy Hamilton, MD, MS, H. Branch Coslett, MD	Poster Presentation

**American Physical Therapy Association's (APTA) NEXT Conference & Exposition**

**June 12-15, 2019; Chicago, IL**

It Takes a Village: Interprofessional Team Management of Patient-Centered Mobility Programs

Colleen Chanler PT, MHS, PhD

Susan K. Gerhard, PT, DPT

Claire Child, PT, DPT, MPH, CCS

Educational  
Presentation

**The 20th Annual Philadelphia Sports Medicine Congress**

**June 14, 2019; Philadelphia, PA**

Posture, Symmetry, and the Diaphragm

Brian Cammarota, ATC, PT, DPT, CSCS

Oral Presentation

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## *Publications*

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### **Peer Reviewed:**

Johns E, Wamsley C, Whiting A. Using the Brief-BESTest paired with a novel algorithm to provide targeted balance interventions for people with subacute stroke: a feasibility study. *Top Stroke Rehabil.* 2018 Nov 10:1-7.

Pontillo, M. Comparison of Core Stability and Balance in Athletes With and Without Shoulder Injuries. *Int J Sports Phys Ther.* 2018 Dec;13(6):1015-1023.

Clancy, M. Assessment of pre-operative psychosocial function among people receiving left ventricular assist devices: A national survey of US LVAD programs. *Heart Lung.* 2019 Jul - Aug;48(4):302-307.

Muniak J, Swan L & Verrier-Piersol C (2019): Enhanced SAIL Program: Evaluation of an Evidence-based Fall Prevention Program for Community Dwelling Elders, *Physical & Occupational Therapy In Geriatrics*, Mar 2019; 37(1): 67-75.

### **Textbook Chapter:**

Nelson, GN, Walsh L, Abboud JA. Postoperative Orthopaedic Rehabilitation. *Rehabilitation After Distal Humerus Fractures.* Green A., Hayda R., Hecht A. (Eds.) Lippincott Williams & Wilkins, New York, New York, 2018.

## *Awards, Honors and Recognition*

American Physical Therapy Association's Acute Care Research Grant	Michael Tevald, PT, MPT, PhD, Associate Professor at Arcadia University's College of Health Sciences Joe Adler PT, DPT, CCS Derek Zaleski PT, DPT	This \$40,000 grant will support the project titled "Early Impact of Lung Transplantation on Skeletal Muscle" which aims to develop evidence-based rehabilitation strategies allowing acute care physical therapists to address effects of surgery, hospitalization, and illness of physical function.
Named Fellows of the American Society of Shoulder and Elbow Therapists	Martin Kelley, PT, DPT, OCS Brian Leggin PT, DPT, OCS	The ASSET Fellow category distinguishes members who have fully committed themselves to moving the society forward from a service, research, and/or an educational standpoint.
Best Case Study Award at the Pennsylvania Physical Therapy Association (PPTA) Conference	Christine Cheatham Foley PT, DPT	Awarded for the poster titled, "Mobilization of a Bedbound Bariatric Patient: A Case Study"
2018 HUP Patient Advocacy Award	Stanley Carn III	Awarded to a HUP employee who provides excellent quality care with empathy & compassion.
Academy of Orthopaedic Physical Therapy Outstanding Research Poster Award at the 2019 APTA Combined Sections Meeting	Dan Safford, PT, DPT, OCS, MAT	Awarded for the poster titled, "Reliability, Validity, and Responsiveness of the Timed Functional Arm and Shoulder Test (TFAST) in Patients with Shoulder Problems"
Best Poster Award at the 28th World Congress on Neurology and Therapeutics	Sabrina Mele PT, DPT	Awarded for the poster titled, "Outcomes After Weighted Lumbosacral Orthosis (LSO) and Exercises in Patients with Progressive Cerebellar Ataxia"
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 Advanced Proficiency from the American Physical Therapy Association	Jenn Novik, PTA Advanced Proficiency in Geriatrics	The APTA Advanced Proficiency Pathways help PTAs move from novice knowledge and skill to advanced proficiency in the PT area of choice.

Achieved American Board of Physical Therapy (ABPT) clinical specialization in 2018	Melinda C. Gross, PT, DPT, WCS	Women's Health	Honorees receive board specialization at the American Physical Therapy Association's (APTA) Combined Sections Meeting on January 23, 2019, in Washington, DC.
	Jessica K. Rector, PT, DPT, WCS	Women's Health	
	John T. Barry, PT, DPT, OCS	Orthopaedic	
	Daniel W. Safford, PT, DPT, OCS	Orthopaedic	
	Colleen Jones, PT, DPT, NCS	Neurologic	
	Elizabeth M. Steele, PT, DPT, CCS	Cardiovascular & Pulmonary	
Inducted into the Academy of Certified Brain Injury Specialists	Amanda Alexander CCC-SLP, CBIS Kyle Cunningham PT, DPT, CBIS Erika Dobson MOT, OTR/L, CBIS Carolyn Edwards OTR/L, OTD, CBIS Jessica Kasper MS, OTR/L, CBIS Elizabeth Kubis MOT, OTR/L, CBIS Nicole Lord PTA, CBIS Alexandra Merlino MS, CCC-SLP, CBIS Abigail Sossaman MOT, OTR/L, CBIS Lisa Winward PT, DPT, CBIS		Achieved Certification in Brain Injury Specialization (CBIS)
Achieved Certification in Manual Therapy from Maitland Australian Physiotherapy Seminars	Nora Corbett, PT, DPT, COMT		Completed required coursework and successfully passed examination from Maitland-Australian Physiotherapy Seminars
Achieved Vestibular Proficiency	Christina Pettet PT, DPT Christopher Exas PT, DPT Ecaterina Shvedov PT, DPT		Successfully completed the Emory Vestibular Course, examination and competency Spring of 2019
Penn Presbyterian Medical Center Quality & Safety Award:	Nadine Amsterdam, MS, CCC-SLP Hani C. Dressler, MA, CCC-SLP Amit Starfield, MA, CCC-SLP and team		Implementing a Multidisciplinary Tracheostomy Team to Improve Quality of Care
Elected Vice President of the APTA's Section on Women's Health Pregnancy & Post-Partum Special Interest Group (PPSIG)	Lisa Sator PT, DPT, WCS, CLT		Objective of the PPSIG is to provide a forum to connect PTs from a variety of clinical disciplines to promote connection/cross-leveling of information and education about the perinatal period.
Ambassador for Davis Phinney Foundation for Parkinson's	Julia Wood MOT, OTR/L		Ambassadors are appointed to share resources and information throughout their local and regional communities to help people take action and improve their quality of life with Parkinson's.



## *Collaborative Research Projects*

<b><u>Project Title</u></b>	<b><u>Staff Involved</u></b>	<b><u>Collaborators</u></b>
Frailty and Predicting Unplanned Lung Transplant Readmissions	Derek Zaleski, PT, DPT	<ul style="list-style-type: none"> <li>• Penn Medicine Lung Transplant Team</li> </ul>
Use of the “My Penn Transplant Coach” App in Transplant Candidates and Recipients: A Prospective Feasibility Study	Derek Zaleski, PT, DPT Sarah Daly, PTA	<ul style="list-style-type: none"> <li>• Penn Medicine Lung Transplant Team</li> </ul>
PERSPIRE (AidCube-Accelerator Fund)	Derek Zaleski, PT, DPT Joe Adler PT, DPT, CCS	<ul style="list-style-type: none"> <li>• Penn Medicine Lung Transplant Team</li> </ul>
Early Impact of Lung Transplantation on Skeletal Muscle	Derek Zaleski PT, DPT Joe Adler PT, DPT, CCS Liz Steele PT, DPT, CCS Sarah Fromal PT Emily Ott PT, DPT	<ul style="list-style-type: none"> <li>• Penn Medicine Lung Transplant Team</li> </ul>
Identifying Isolation of Multifidus Activation with NMES Using Near Infrared Spectroscopy	Won Sung, PT, DPT, PhD	<ul style="list-style-type: none"> <li>• Drexel University Faculty</li> </ul>
Identifying Isolation of Multifidus Activation with NMES Using RUSI	Won Sung, PT, DPT, PhD	<ul style="list-style-type: none"> <li>• Drexel University Faculty</li> </ul>
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	<ul style="list-style-type: none"> <li>• Drexel University Faculty</li> </ul>
Movement Precision and Control in Patients with Low Back Pain	Won Sung, PT, DPT, PhD	<ul style="list-style-type: none"> <li>• Drexel University Faculty</li> </ul>
Kinematic Analysis of the Forward Bend Characteristics to Predict Patients with Movement Coordination Impairments of the Trunk	Won Sung, PT, DPT, PhD	<ul style="list-style-type: none"> <li>• Drexel University Faculty</li> </ul>
Mechanistic validation of current clinical prediction rules for predicting success with trunk stabilization exercises	Won Sung, PT, DPT, PhD	<ul style="list-style-type: none"> <li>• Drexel University Faculty</li> </ul>
Thera-Drive	Carol Ann Wamsley, PT, DPT, BS, NCS, CBIS	<ul style="list-style-type: none"> <li>• Dr. Michelle Johnson, Department of Physical Medicine and Rehabilitation, Penn Medicine</li> </ul>

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"> <li>• Dr. Michelle Johnson, Department of Physical Medicine and Rehabilitation, Penn Medicine</li> </ul>
Design of an Affordable Gym for Post Stroke Rehabilitation	Carol Ann Wamsley, PT, DPT, BS, NCS, CBIS	<ul style="list-style-type: none"> <li>• Dr. Michelle Johnson, Department of Physical Medicine &amp; Rehabilitation, Penn Medicine</li> </ul>
A Phase 2 Randomized, Double-Blind, Placebo-Controlled Efficacy and Safety Study of a RAR $\gamma$ -Specific Agonist (Palovarotene) in the Treatment of Preosseous Flare-ups in Subjects with Fibrodysplasia Ossificans Progressiva (FOP)	Claire Marine, PT, DPT Cassandra Deitrick, PT, DPT	<ul style="list-style-type: none"> <li>• Dr. Kaplan, Department of Orthopaedics, Penn Medicine</li> </ul>
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"> <li>• Penn Medicine Hemophilia Team</li> </ul>
PROWALKS Study: Promoting Recovery Optimization with WALKing Exercise after Stroke	Sarah Dunn, PT, DPT, NCS Shannon Marriner, PT, DPT, NCS Colleen Jones, PT, DPT, NCS Kyle Cunningham, PT, DPT, CBIS Kathryn Siciliano, PT, DPT Melissa Danzer, PT, DPT	<ul style="list-style-type: none"> <li>• Dr. Scott Kasner, Professor of Neurology, Stroke Division, Penn Medicine and Dr. Darcy Reisman, Professor of Physical Therapy, University of Delaware</li> </ul>
Defining Components of Physical Therapy Achieving Maximum Function after Total Knee Replacement (TKR)	Therapists at Penn Therapy & Fitness Arcadia and Jenkintown	<ul style="list-style-type: none"> <li>• Dr. Carol Oatis, Professor of Physical Therapy, Arcadia University</li> </ul>
A Phase 2 Randomized, Double-Blind, Placebo-Controlled Study of ACE-083 in Patients with Facioscapulohumeral Muscular Dystrophy	Kyle Cunningham, PT, DPT, CBIS Claire Marine PT, DPT Cassandra Deitrick PT, DPT	<ul style="list-style-type: none"> <li>• Dr. Lauren Elman, Department of Neurology, Penn Medicine</li> </ul>
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, CBIS Claire Marine PT, DPT Cassandra Deitrick PT, DPT	<ul style="list-style-type: none"> <li>• Dr. Colin Quinn, Department of Neurology, Penn Medicine</li> </ul>
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, CBIS Claire Marine PT, DPT Cassandra Deitrick PT, DPT	<ul style="list-style-type: none"> <li>• Dr. Lauren Elman and Dr. Colin Quinn, Department of Neurology, Penn Medicine</li> </ul>
Functional Outcome Measures for Head and Neck Patients	Meredith Pauly, MA, CCC-SLP Tiffany Hogan, MA, CCC-SLP	<ul style="list-style-type: none"> <li>• Dr. Steven Cannady, Department of Otorhinolaryngology, Penn Medicine</li> </ul>
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"> <li>• Dr. Phil McClure, Professor of Physical Therapy, Arcadia University</li> </ul>

Double-blind, randomized, study of ATB200/AT2221 in adult subjects with late-onset Pompe disease (LOPD)	Kyle Cunningham PT, DPT, CBIS Carla D'Urso PT, DPT	<ul style="list-style-type: none"> <li>• Dr. Colin Quinn, Department of Neurology, Penn Medicine</li> </ul>
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"> <li>• Dr. Brett Cucchiara, Department of Neurology, Penn Medicine</li> </ul>
Supporting Older Adults At-Risk (SOAR)	Rebecca Trotta PhD, RN Colleen Chandler PT, MHS, PhD Founder's Medicine Occupational and Physical Therapists	<ul style="list-style-type: none"> <li>• Hospital of the University of Pennsylvania Nursing</li> </ul>
Low-Level Laser in Treatment of Head and Neck Lymphedema: A Pilot Study	Joy Cohn PT, CLT-LANA	<ul style="list-style-type: none"> <li>• Penn Nursing and Penn Medicine Department of Oncology</li> </ul>
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)	Kyle Cunningham, PT, DPT, CBIS Katherine Boschen PT, DPT	<ul style="list-style-type: none"> <li>• Dr. Lauren Elman, Department of Neurology, Penn Medicine</li> </ul>
Stepping up to improve inpatient mobility: A mixed methods quasi-experimental study testing a nurse-led mobility intervention in hospitalized medicine patients	Claire Child DPT, MPH, CCS	<ul style="list-style-type: none"> <li>• Dr. Kirstin Manges, Perelman School of Medicine</li> </ul>
MOVE-IT: Leveraging Connected Health to Improve Mobility in Hospitalized Seniors	Claire Child DPT, MPH, CCS	<ul style="list-style-type: none"> <li>• Dr. Ryan Greyson and Dr. Mitish Patel, Penn Medicine Center for Health Incentives and Behavioral Economics at the Leonard Davis Institute (CHIBE)</li> </ul>
Prospective Analysis of Frailty Phenotype Assessments to Optimize Treatment Strategies for Older Patients with Hematologic Malignancies	Claire Child DPT, MPH, CCS	<ul style="list-style-type: none"> <li>• Dr. Shannon McCurdy, Penn Medicine Department of Hematology-Oncology</li> </ul>