

Daniel J. Malone PT, PhD, CCS
Mailstop C244, 13121 East 17th Avenue, Aurora, CO 80045
303-724-9321
Doctor of Physical Therapy Program, University of Colorado, Anschutz Medical Campus

Education:

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| Temple University, Philadelphia, PA | PhD in Physiology | 2001 - 2008 |
| Temple University, Philadelphia, PA | Master in Physical Therapy | 1989 - 1992 |
| University of Pittsburgh, Pittsburgh, PA | BS in Exercise Science | 1984 - 1988 |

Licensure Information:

Colorado #PTL.0011421

Certifications:

Cardiovascular and Pulmonary Clinical Specialist, American Board of Physical Therapy Specialists, 2018, 2008, 1998

Employment and Positions Held:

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| 2015 - Present | Per Diem Physical Therapists, University of Colorado Hospital, Anschutz Medical Campus, Aurora, CO |
| 2011 - Present | Associate Professor, Physical Therapy Program, University of Colorado Denver, Anschutz Medical Campus, Aurora, CO |
| 1996 - Present | Adjunct Faculty Member, Arcadia University, Department Physical Therapy, Glenside, PA |
| 2008 - 2012 | Adjunct Faculty Member, Drexel University, Department Physical Therapy and Rehabilitation Sciences, Philadelphia, PA |
| 2008 - 2011 | Cardiovascular & Pulmonary Team Leader, Division of Physical & Occupational Therapy, Good Shepherd Penn Partners Rehabilitation at the Hospital of the University of Pennsylvania |
| 2008 - 2011 | Adjunct Faculty Coordinator/ Instructor, Cardiopulmonary Physical Therapy I & II, Drexel University, Department of Rehabilitation Sciences, DPT Program |
| 1996 - 2011 | Adjunct Faculty Lecturer/ Laboratory instructor, Cardiovascular & Pulmonary Units; Diagnostic Imaging, Arcadia University/ Beaver College, DPT and Transitional DPT Programs |
| 1999 - 2008 | Cardiovascular and Pulmonary Team Leader, Department Physical Medicine and Rehabilitation, University of Pennsylvania Health System, |

Hospital of the University of Pennsylvania and Presbyterian Medical Center

- 2001 - 2002 Adjunct Faculty, Coordinator/ Instructor, Cardiopulmonary I, MCP Hahnemann, Department of Rehabilitation Sciences, DPT Program
- 1999 - 2001 Adjunct Faculty, Coordinator/ Instructor, Cardiopulmonary Pathophysiology, Neumann College, Division of Nursing and Health Sciences, Master of Science in Physical Therapy Program
- 1999 - 2001 Adjunct Faculty Member, Neumann College, Aston, PA
- 1997 - 2001 Adjunct Faculty Member, Allegheny University of the Health Sciences, Hahnemann University, Philadelphia, PA
- 1996 - 1999 Senior III Physical Therapist/ Lead Therapist, Department of Physical and Occupational Therapy, Presbyterian Medical Center, University Of Pennsylvania Health System
- 1998 Adjunct Faculty, Lecturer, Exercise Physiology; Exercise Responses in Heart Failure, Neumann College, Division of Nursing and Health Sciences Master of Science in Physical Therapy Program
- 1996 - 1998 Guest Lecturer, Acute Care Elective, Physical Therapy Intervention for the Heart and Lung Transplant Populations. Allegheny University of the Health Sciences, Master of Science in Physical Therapy Program
- 1996 Instructor, Cardiopulmonary and Vascular Unit, University of Medicine and Dentistry of New Jersey, School of Health Related Professions Developmental and Rehabilitative Sciences, Master of Physical Therapy Program
- 1995 - 1998 Adjunct Faculty Member, University of Medicine and Dentistry of New Jersey, School of Health Related Professions, Stratford, NJ
- 1995 - 1996 Senior II Physical Therapist Presbyterian Medical Center, University Of Pennsylvania Health System
- 1995 - 1996 Adjunct Faculty, Coordinator/ Instructor Applied Physiology, diopulmonary Module, University of Medicine and Dentistry of New Jersey, School of Health Related Professions, Developmental and Rehabilitative Sciences, Master of Physical Therapy Program
- 1994 - 1995 Senior Physical Therapist, Lung Transplant Program Presbyterian Medical Center. University Of Pennsylvania Health System
- 1992 - 1994 Staff Physical Therapist, Acute Care Service, University of Pennsylvania Health System, University of Pennsylvania Medical Center

Scholarly Agenda

The overall goal of my scholarship is to advance education, clinical practice and research related to the physical therapist's management of patients with complex medical conditions ranging from the intensive care unit to post-acute setting to home.

Peer Reviewed Publications:

1. Falvey, JR, Burke, RE, Ridgeway, KJ, Malone D, Forster, JE, & Stevens-Lapsley, JE. Involvement of acute care physical therapists in care transitions for older adults following acute hospitalization: A cross-sectional national survey. *J Geriatr Phys Ther.* 2018 Mar 12. doi: 10.1519/JPT.000000000000187. [Epub ahead of print]
2. Neumeier A, Nordon-Craft A, Malone D, Schenkman M, Clark B, Moss M. Prolonged acute care and post-acute care admission and recovery of physical function in survivors of acute respiratory failure: a secondary analysis of a randomized controlled trial. *Crit Care.* 2017 Jul 21; 21(1):190. doi: 10.1186/s13054-017-1791-1.
3. Falvey JR, Burke RE, Malone D, Ridgeway KJ, McManus BM, Stevens-Lapsley JE. Role of Physical Therapists in Reducing Hospital Readmissions: Optimizing Outcomes for Older Adults During Care Transitions From Hospital to Community. *Phys Ther.* 2016 Aug; 96(8):1125-34. PMID: 26939601.
4. Kelmenson DA, Quan D, Nordon-Craft A, Malone D, Schenkman M, Moss M. Electrophysiological abnormalities can differentiate pre-hospital discharge functional status in critically ill patients with normal strength. *Intensive Care Med.* 2016 Sep; 42(9):1504-5.
5. Falvey JR, Burke RE, Malone D, Ridgeway KJ, McManus BM, Stevens-Lapsley JE. Role of Physical Therapists in Reducing Hospital Readmissions: Optimizing Outcomes for Older Adults During Care Transitions From Hospital to Community. *Phys Ther.* 2016 Aug; 96(8):1125-34.
6. Moss M, Nordon-Craft A, Malone D, Van Pelt D, Frankel SK, Warner ML, Kriekels W, McNulty M, Fairclough DL, Schenkman M. A Randomized Trial of an Intensive Physical Therapy Program for Acute Respiratory Failure Patients. *Am J Respir Crit Care Med.* 2016 May 15;193(10):1101-10.
7. Malone D, Ridgeway K, Moss P, Nordon-Craft A, Schenkman M, Moss M. Physical Therapists' Practice in the Intensive Care Unit: Results of a National Survey. *Phys Ther.* 2015 Oct; 95(10):1335-44.
8. Sottile PD, Nordon-Craft A, Malone D, Schenkman M, Moss M. Patient and family perceptions of physical therapy in the medical intensive care unit. *J Crit Care.* 2015 Oct;30(5):891-5.
9. Sottile PD, Nordon-Craft A, Malone D, Luby D, Schenkman M, Moss M. Physical Therapy Management of Patients in the Neurological Intensive Care Unit: A Description of Practice. *Phys Ther.* 2015 Jul; 95(7): 1006-14.
10. Humphrey R, Malone D. Effectiveness of pre-operative physical therapy for elective cardiac surgery. LEAP- Linking Evidence and Practice. *Phys Ther.* 2015 Feb; 95(2): 160-6.
11. Denehy L, Nordon-Craft A, Edbrooke L, Malone D, Berney S, Schenkman M, Moss M. Outcome Measures Report Different Aspects of Patient Function Three Months Following Critical Care. *Intensive Care Medicine.* 2014 Dec; 40(12): 1862-9.

12. Nordon-Craft A, Schenkman M, Edbrooke L, Malone D, Moss M, Denehy L. The Physical Function Intensive Care Test: Implementation in Survivors of Critical Illness. *Phys Ther*. 2014 Oct; 94(10): 1499-507.
13. Adler J, Malone D. Early mobilization in the intensive care unit: A systematic review. *Cardiopulm Phys Ther J*. 2012 March; 23(1): 5–13.
14. Kazzaz JA, Strayer MS, Wu J, Malone DJ, Koo HC, Shaffer TH, Davis JM, Strayer DS, Wolfson MR. Perfluorochemical Liquid-Adenovirus Suspensions Enhance Gene Delivery to the Distal Lung. *Pulmonary Medicine*. Volume 2011 (2011), Article ID 918036.
15. Wolfson MR, Malone DJ, Wu J, Hoffman J, Rozenberg A, Shaffer TH, Barbut D. Intranasal perfluorochemical spray for preferential brain cooling in sheep. *Neurocrit Care*. 2008; 8(3):437-47.

Peer Reviewed Scientific and Professional Presentations:

Posters & Platform Presentations

1. Medina R, Kehoe K, Crow M, Post M, Quirk J, Malone D. Relationship between Self-Reported and Performance-Based Measures of Functional Capacity in Lung Transplant Candidates. American Physical Therapy Association Combined Sections Meeting (poster). February 2020. Denver, CO.
2. Gustavson A, Malone D, Moriarty D, Shelton S, Ruse R, Stevens-Lapsley J. Pragmatic Trial Implementing High-Intensity Rehabilitation in Skilled Nursing Facilities. American Physical Therapy Association Combined Sections Meeting (platform). February 2020. Denver, CO.
3. Gustavson AM, Malone D, Boxer R, Ruse R, Saboorisadeh M, Stevens-Lapsley J. Interpreting the Impact of Physical Function in Skilled Nursing Facility Residents: Are We Setting Patients Up for Failure. The Society for Post-Acute and Long-Term Care Medicine (formerly AMDA). Grapevine TX. 2018
4. Gustavson AM, Baym C, Maurer D, Stoper S, Ruse R, Malone D, Stevens-Lapsley J. Using Data to Characterize a Skilled Nursing Facility Population. American Physical Therapy Association Combined Sections Meeting. New Orleans, LA. 2018
5. Gustavson AM, Falvey JR, King D, Smith R, Maurer D, Baym C, Malone D, Stevens-Lapsley J. A Quality Improvement Initiative to Improve Function for Patients in a Skilled Nursing Facility. American Physical Therapy Association Combined Sections Meeting. San Antonio, TX. 2017
6. Malone D, Ridgeway K, Nordon-Craft A, Moss P, Schenkman M, Moss M. Staffing Patterns, Training Methods, and Barriers to Providing Physical Therapy in the ICU: Results of a National Survey. The International Conference of the American Thoracic Society. San Diego, CA. 2014 (poster)
7. Malone D, Ridgeway K, Nordon-Craft A, Moss P, Schenkman M, Moss M. Physical Therapists Perceptions of Rehabilitation Practices in the Intensive Care Unit: Results of a National Survey. The International Conference of the American Thoracic Society. San Diego, CA. 2014 (poster discussion)
8. Sottile PD, Nordon-Craft A, Malone D, Luby D, Schenkman M, Moss M. Physical Therapy Practices in Critically Ill Hemorrhagic and Traumatic Neurology Patients; The International Conference of the American Thoracic Society. San Diego, CA. 2014 (poster discussion)

9. Malone D, Nordon-Craft A, Moss M, Edbrooke L, Schenkman M, Berney S, Denehy L. Physical Function In Intensive Care Test: Validation In A United States Critical Illness Population. The International Conference of the American Thoracic Society. Philadelphia, PA 2013 (poster discussion)
10. Denehy L, Edbrooke L, Nordon-Craft A, Berney S, Malone D, Schenkman M, Moss M. An investigation of physical performance based tests and patient self-report physical function in survivors of ICU. The International Conference of the American Thoracic Society. Philadelphia, PA. Philadelphia, PA. 2013 (poster discussion)
11. Adler J, Dekerlegand J, Malone D, Tsypenyuk, B, and Reese S. The Acute Care Internship: a New Model of Mentorship Bridging Clinical Education and Employment. Combined Sections Meeting. American Physical Therapy Association. Nashville, TN. 2008. (platform)
12. Kazzaz JA, Malone DJ, Wu J, Shaffer TH, Wolfson MR. Perfluorochemical (PFC) liquid therapy induces Interleukin-6 and moderates hyperoxia-induced lethality in mice. Am J Respir Crit Care Med. A470, 2008 (poster)
13. Malone DJ, Wu J, Barbe MF, Shaffer TH, Wolfson MR. Perfluorochemical (PFC) liquids decrease diaphragm stress in hyperoxic lung injury. Pediatric Academic Society Meeting: 4330.12, 2008. (poster symposium/ platform)
14. Wolfson MR, Malone DJ, Wu J, Gregory TJ, Mazela J, Shaffer TH. Aerosurf™ delivery during CPAP improves lung mechanics and reduces inflammation in spontaneously breathing preterm lambs. Pediatric Academic Society Meeting: 3763.19, 2008
15. Wolfson MR, Wu J, Malone DJ, Gregory TJ, Mazela J, Shaffer TH. Surfaxin® attenuates inflammation and preserves lung structural integrity versus animal-derived surfactants in an RDS model. Pediatric Academic Society Meeting: 3764.1, 2008. (poster symposium)
16. Malone DJ, Wu J, Joseph A, Shaffer TH, Davis JM, Kazzaz JA, Wolfson MR. Effect of Perfluorochemical (PFC) Liquids and Superoxide Dismutase (SOD) on Protein Oxidation and Mechanics in the Hyperoxic Lung. Pediatric Academic Society Meeting 2007: 641.11, 2007. (poster symposium)
17. Wolfson MR, Malone DJ, Wu J, Gregory TJ, Mazela J, Shaffer TH. Aerosurf™ delivery during CPAP improves lung mechanics and reduces inflammation in spontaneously breathing preterm lambs. Hot Topics in Neonatology; Washington DC. Dec 2007.
18. Malone DJ, Wu J, Koo H-C, Joseph A, Davis JM, Shaffer TH, Kazzaz JA, Wolfson MR. rhSOD lung protection against chronic hyperoxia is enhanced by Perfluorochemical (PFC) delivery. Pediatric Academic Society Meeting, 2006: 4841.159, 2006. (poster / platform)
19. Wolfson MR, Malone DJ, Strayer MS, Wu J, Koo H-C, Shaffer TH, Davis JM, Kazzaz JA. Spatial and temporal distribution of transgene expression using novel perfluorochemical/ adenovirus suspensions. Pediatric Academic Society Meeting: 4831.94, 2006. (poster)

20. Wolfson MR, Malone DJ, Wu J, Hoffman J, Rozenberg A, Shaffer TH, Barbut D. Perfluorochemical (PFC) nasopharyngeal (NP) cooling induces selective brain hypothermia. Pediatric Academic Society Meeting: 4350.9, 2006. (poster symposium)
21. Kazzaz J.A, Malone DJ, Strayer M.S, Wu J., Koo H.C., Shaffer T.H., Davis J.M., Wolfson M.R.: Spatial and Temporal Distribution of Transgene Expression Using Novel Perfluorochemicals/Adenovirus Suspensions, Am J Respir Crit Care Med. Volume 173: A25, 2006. (platform)
22. Wolfson MR, Malone DJ, Wu J, Hoffman J, Rozenberg A, Shaffer TH, and Barbut D. A Novel Approach for Inducing Selective Brain Hypothermia. Hot Topics – University of Vermont, Washington DC, Dec 2006. (Invited poster)
23. Malone DJ, Zhu G, Li Y, Kazzaz JA, Davis JM, Shaffer TH Wolfson MR. Perfluorochemical (PFC) Liquids Limit Murine Hyperoxic (HO) Lung Injury. The FASEB Journal. 2005 (poster)
24. Zhu G, Malone DJ, Li Y, Kazzaz JA, Davis JM, Shaffer TH, Wolfson MR. Perfluorochemical (PFC) Liquid Prophylaxis Attenuates Hyperoxia-Induced Morbidity and Mortality in Mice. Am J Resp Crit Care Med 2:A150, 2005 (poster)
25. Malone DJ, Webster S. Quality of Life in Adults with Cystic Fibrosis. 14th Annual North American Cystic Fibrosis Conference. Baltimore, MD. 2000. (poster)
26. Malone DJ, Webster S. Quality of Life in Cystic Fibrosis. Combined Sections Meeting, American Physical Therapy Association. New Orleans, LA. 1999. (platform)
27. Bishop-Lindsay KL, Malone DJ, Brenneman S. Case Report of Cardiac Rehabilitation Improving Oxygen Consumption in Two Individuals Awaiting Heart Transplantation. Combined Sections Meeting, American Physical Therapy Association. Boston, MA. 1998. (poster)
28. Bishop-Lindsay KL, Malone DJ, Brenneman S. Development of a Critical Pathway Utilizing Trends in Clinical Outcomes at an Adult Cystic Fibrosis Center. Combined Sections Meeting, American Physical Therapy Association. Boston, MA. 1998. (poster)
29. Torkish J, Malone DJ, Bishop-Lindsay KL, Brenneman S. Outcomes After Pulmonary Rehabilitation in Lung Transplantation. Combined Sections Meeting, American Physical Therapy Association. Boston, MA. 1998. (poster)
30. Malone DJ. Acute Myopathy Syndrome Following Lung Transplantation - A Continuum of Care and Functional Outcomes. Malone D, Combined Sections Meeting. American Physical Therapy Association. Dallas, TX. 1997. (poster)

Non-Peer Reviewed Publications:

1. Malone, D and Tucker CA. Commentary on Supramaximal Verification of Peak Oxygen Uptake in Adolescents with Cystic Fibrosis. Pediatric Physical Therapy. 23(1):1, Spring 2011.
2. Invited Editorial: The New Demands of Acute Care: Are We Ready? Physical Therapy. October 2010; 90: 1370 -1372.

Books and Book Chapters:

1. Editor/ Contributor: Physical Therapy in Acute Care: A Clinicians Guide. 2nd Edition. Slack, Inc. Thorofare, NJ. 2020.
2. Malone D. Introduction to Physical Therapist Management of the Acute Care Patient. In Malone D, Bishop Lindsay KL, Eds. Physical Therapy in Acute Care: A Clinicians Guide. 2nd Edition. Slack, Inc. Thorofare, NJ. 2020.
3. Malone D. Packel L. Clinical Laboratory Values and Diagnostic Testing. In Malone D, Bishop Lindsay KL, Eds. Physical Therapy in Acute Care: A Clinicians Guide. 2nd Edition. Slack, Inc. Thorofare, NJ. 2020.
4. Malone D. Physiologic Monitors and Patient Support Equipment. In Malone D, Bishop Lindsay KL, Eds. A Clinicians Guide. 2nd Edition. Slack, Inc. Thorofare, NJ. 2020.
5. Malone D. Bed rest, Deconditioning & Hospital Acquired Neuromuscular Disorders. In Malone D, Bishop Lindsay KL, Eds. A Clinicians Guide. 2nd Edition. Slack, Inc. Thorofare, NJ. 2020.
6. Malone D. Cardiovascular Diseases and Disorders. In Malone D, Bishop Lindsay KL, Eds. A Clinicians Guide. 2nd Edition. Slack, Inc. Thorofare, NJ. 2020.
7. Bishop Lindsay KL, Malone D. Pulmonary Diseases and Disorders. In Malone D, Bishop Lindsay KL, Eds. A Clinicians Guide. 2nd Edition. Slack, Inc. Thorofare, NJ. 2020.
8. Ehlers C, Malone D. Endocrine Diseases and Disorders. In Malone D, Bishop Lindsay KL, Eds. A Clinicians Guide. 2nd Edition. Slack, Inc. Thorofare, NJ. 2020.
9. Fichandler D, Malone D. Gastrointestinal Diseases and Disorders. In Malone D, Bishop Lindsay KL, Eds. Physical Therapy in Acute Care: A Clinicians Guide. 1st Edition. Slack, Inc. Thorofare, NJ. 2006
10. Fichandler D, Malone D. Genitourinary Diseases and Disorders. In Malone D, Bishop Lindsay KL, Eds. A Clinicians Guide. 2nd Edition. Slack, Inc. Thorofare, NJ. 2020.
11. Malone D, Bishop-Lindsay KL. Transplantation. In Malone D, Bishop Lindsay KL, Eds. A Clinicians Guide. 2nd Edition. Slack, Inc. Thorofare, NJ. 2020.
12. Malone DJ, Chapter 1. The Physiology of Activity and Exercise. In Clinical Exercise Pathophysiology for Physical Therapy. Slack, Inc. Thorofare, NJ. 2014.
13. Malone DJ and Irwin S. Chapter 6. Examination, Diagnosis, Exercise Intervention and Outcome for Individuals with Cardiovascular Pump Dysfunction. In Clinical Exercise Pathophysiology for Physical Therapy. Slack, Inc. Thorofare, NJ. 2014.
14. Malone D and Segal M. Chapter 21. Rehabilitation in the ICU. In Lanken PN, Hanson CW and Manaker S (Eds). The Intensive Care Unit Manual. WB Saunders. Philadelphia, PA. 2013.
15. Malone D and Adler J. Chapter 14. The Patient with Respiratory Failure- Preferred Practice Pattern 6F. In Irwin S, Tecklin JS. Cardiopulmonary Physical Therapy: A Guide to Practice. Mosby, Inc. Philadelphia, PA. 2004

Funded/In Review Grant Activity:

Stevens-Lapsley JE (PI). Shifting Rehabilitation Paradigms in Skilled Nursing Facilities. VA RR&D I21 RX00219; 10/1/16-9/30/18: The major goal of this project is to evaluate whether an interdisciplinary rehabilitation program that integrates principles of physiologic tissue overload in skill nursing facilities is more effective than the standard of care. Equated to 15% FTE

Moss M (PI), Schenkman M, Quan D, Nordon-Craft A. The diagnosis and treatment of critical illness polyneuromyopathy in patients with acute respiratory failure. Submitted to National Institute Nursing Research. R01 NR011051 Funded (\$2.279 million direct over five years). Project start 6/1/09; Project end 8/31/14. Role: co-Investigator- Ensure fidelity of the physical therapist intervention, oversight of physical therapy intervention, outcomes testing and database management. Equated to 25% FTE

Membership in Scientific/Professional Organizations:

| | <u>Dates</u> |
|---|-------------------------|
| American Physical Therapy Association (APTA) | 1989-present |
| Pennsylvania Physical Therapy Association | 1989-2011 |
| Colorado Physical Therapy Association | 2011-present |
| Cardiovascular & Pulmonary (CVP) Section, APTA | 1993-present |
| • Elected member of Nominating Committee of CVP Section | 1998-2000 |
| • Standard Setting Committee, Cardiovascular & Pulmonary Physical Therapy. American Board of Physical Therapy Specialties | 1999, 2000, 2008 |
| • Specialization Academy of Content Experts, Cardiovascular & Pulmonary, American Board of Physical Therapy Specialties | 1999-2001 |
| • Appointed Program Chair of CVP Section | 2000-2011 |
| • Elected President of CVP Section (re-elected) | 2012-present (2015) |
| Geriatric Section, APTA. | 1998-2000 |
| Acute Care Section, APTA | 2006-present |
| American Thoracic Society (ATS). | 2004-2008; 2014-present |
| Education Section, APTA | 2018-present |
| American Association of Cardiovascular & Pulmonary | 1995 – 2000 |

Community Service:

| | <u>Dates</u> |
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| 9 News Health Fair | 2018-present |
| Speaker, Colorado Lung Health Connection, Moving Mountains | 2017 |
| Speaker, UCH Pulmonary Rehab Support Group | 2016 |
| Panelist, Colorado Rural Health Scholars Program | 2015-2018 |
| American Heart Association Start! Philadelphia Heart Walk | 2009 |
| Team GSPP. Philadelphia, PA | |

Services to the University/College/School on Committees/Councils/Commissions:

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| University of Colorado School of Medicine Department of Physical Medicine & Rehabilitation Member: Faculty Senate | 2012-2014 |
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Physical Therapy Program:

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| CAPTE Accreditation Planning Task Force | 2017-present |
| Basic Physical Therapy Examination Task Force | 2016-present |
| Exercise Prescription Task Force | 2013-present |
| Chair: Curriculum Committee | 2014-present |
| Chair: Absence Committee | 2013-present |
| Member: Curriculum Committee | 2011-present |

Honors and Awards:

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| Merit Award, Cardiovascular and Pulmonary Section of APTA | 2010 |
| Temple University, Department of Physiology Fellowship | 2005 |
| Temple University, University Fellowship | 2004 |
| Temple University, University Fellowship | 2003 |

Continuing Education Workshops Conducted/Organized

1. ICU Rehabilitation: The Art and Science of Why, What and How. Combined Sections Meeting of the APTA. San Antonio, TX. 2017
2. Management of the Complex Acute Care Patient from ICU to Home. Education Resources, Inc. Englewood, NJ; Kansas City, MO; Conroe, TX; Spokane, WA. 2017
3. Rehabilitation Management of Patients with Cardiovascular & Pulmonary Disorders: A Focus on Acute Care. Aurora, CO. 2016
4. Management of the Complex Acute Care Patient from ICU to Home. Education Resources, Inc. Staten Island, NY; Burlington, WI; Indianapolis IN. 2016
5. Managing Critically Ill Patients: Are Other Clinicians Recognizing the Difference Between Early Mobility and Early Rehabilitation? Combined Sections Meeting of the APTA. Indianapolis, IN. 2015
6. Role of Simulation in Ensuring Acute Care Physical Therapist Competence. Combined Sections Meeting of the APTA. Indianapolis, IN. 2015
7. Management of the Complex Acute Care Patient. Education Resources, Inc. West Columbia, SC; Springfield, IL; Memphis TN; Santa Rosa, CA. 2015
8. Acute Care Update: Optimizing Rehabilitation in the ICU. University of Colorado Denver Update Course. Aurora, CO. 2014
9. Managing Critically Ill Patients: Exploring Challenges and Solutions. Combined Sections Meeting of the APTA. Las Vegas, NV. 2014

10. Management of the Complex Acute Care Patient. Education Resources, Inc. Jacksonville FL; Detroit MI; Poughkeepsie NY; Springfield, MO. 2013
11. Acute Care Controversies: To Mobilize or Not to Mobilize? Now That is a Complex Question. Colorado Chapter of APTA Spring Conference. Arvada, CO. 2013
12. Clinical Reasoning for the Patient with Complex Cardiovascular and Pulmonary Dysfunction. Preconference Course. Combined Sections Meeting of the APTA. San Diego, CA. 2013
13. Chest Pain: Is it Angina or Agida. Colorado Acute Care & Rehabilitation Special Interest Group (CARE SIG). Colorado Chapter of APTA. Aurora, CO. 2012
14. Management of the Complex Acute Care Patient. Education Resources, Inc. Doylestown, PA; Loveland, CO; Fairfax, VA; Tulsa OK; Springfield, MO. 2011
15. Management of the Complex Acute Care Patient. Education Resources, Inc. Jacksonville FL; Fort Collins, CO; Atlanta GA; Staten Island, NY. 2010
16. What's So Vital About Vital Signs. National Student Conclave, APTA. Cherry Hill, NJ. 2010
17. Heart Failure: The Essentials for the Busy Rehabilitation Clinician. Bayada Nursing, Home Care Services – Occupational and Physical Therapy. Cherry Hill, NJ. 2010
18. Cardiopulmonary Update. Oxygen Transport and Delivery. Lancaster General College. Division of Corporate Education. Lancaster, PA. 2010
19. Providing Acute Level Care in All Practice Settings. Education Resources, Inc. Alexandria VA; Tulsa, OK; Atlanta GA; Springfield MO. 2009
20. Cardiovascular & Pulmonary Boot Camp: The Essentials for the Busy Clinician. Pennsylvania Physical Therapy Association Annual Conference. Seven Springs Resort. Champion, PA. 2009
21. Heart Failure and Home Care Rehabilitation. Bayada Nursing, Home Care Services – Occupational and Physical Therapy. Wilmington, DE. 2002
22. Physical Therapy and Medical Complications in Advanced Cystic Fibrosis. 15th Annual North American Cystic Fibrosis Conference. Orlando. FLA. 2001
23. Angina versus Agida: Chest Pain Recognition for Physical Therapists. Pennsylvania Physical Therapy Association. SED Meeting. 2002
24. Caring for the Transplant Patient: From Referral Through Surgery & Beyond: Rehabilitation Perspective 16th Annual North American Cystic Fibrosis Conference. New Orleans. LA. 2002
25. Pulmonary Hypertension and Rehabilitation: Practical Considerations. American Association of Cardiovascular and Pulmonary Rehabilitation. Dallas, TX. 1997
26. Exercise Applications for Improving Ventilation, Chest Mobilization and Secretion Mobilization. University Of Pennsylvania Health System. Philadelphia, PA. 1997

Continuing Education Attended:

- 2019 Combined Sections Meeting, American Physical Therapy Association, Washington DC.
- 2018 Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA.
- 2017 Combined Sections Meeting, American Physical Therapy Association, San Antonio, TX.
- 2016 Combined Sections Meeting, American Physical Therapy Association, Anaheim, CA.
- 2015 Combined Sections Meeting, American Physical Therapy Association, Indianapolis, IN
- 2015 The International Conference of the American Thoracic Society, Denver, CO.
- 2015 8th Annual ICU PM&R Meeting, Denver, CO.
- 2014 Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV

- 2014 The International Conference of the American Thoracic Society, San Diego, CA.
- 2014 7th Annual ICU PM&R Meeting, San Diego, CA.
- 2013 6th Annual ICU PM&R Meeting Philadelphia, PA
- 2013 The International Conference of the American Thoracic Society. Philadelphia, PA, 2013
- 2013 Combined Sections Meeting, American Physical Therapy Association, San Diego, CA
- 2012 Combined Sections Meeting, American Physical Therapy Association Chicago, IL
- 2011 Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA
- 2010 Combined Sections Meeting, American Physical Therapy Association, San Diego, CA
- 2009 Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV
- 2008 Combined Sections Meeting, American Physical Therapy Association, Nashville, TN
- 2008 Pediatric Academic Societies Annual Meeting, Honolulu, HI
- 2008 Eastern Society Pediatric Research Annual Meeting, Philadelphia, PA
- 2007 Combined Sections Meeting, American Physical Therapy Association, San Diego, CA
- 2007 Eastern Society Pediatric Research Annual Meeting, Philadelphia, PA
- 2006 Combined Sections Meeting, American Physical Therapy Association, San Diego, CA
- 2006 Pediatric Academic Societies Annual Meeting, San Francisco, CA
- 2005 Combined Sections Meeting, American Physical Therapy Association, San Diego, CA
- 2005 Pediatric Academic Societies Annual Meeting, Washington DC.
- 2004 Experimental Biology 2005, XXXV International Congress of Physiological Sciences. San Diego, CA
- 2004 Combined Sections Meeting, American Physical Therapy Association, Nashville, TN
- 2003 Combined Sections Meeting, American Physical Therapy Association, Tampa, FLA
- 2002 PT 2002: Annual Conference and Exposition of the American Physical Therapy Association. Cincinnati, OH
- 2002 Combined Sections Meeting, American Physical Therapy Association, Boston. MA
- 2001 Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA
- 2001 PT 2001: Annual Conference and Exposition of the American Physical Therapy Association. Anaheim, CA

- 2001 North American Cystic Fibrosis Foundation Annual Meeting, Orlando, FLA.
- 2000 Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA
- 2000 Item Writing Workshop, Specialization Academy of Content Experts, New Orleans, LA
- 2000 PT 2000: Annual Conference and Exposition of the American Physical Therapy Association. Indianapolis, IA
- 2000 Advances in the Treatment of Cystic Fibrosis, Philadelphia, PA
- 1999 Improving Pulmonary Outcomes Across the Continuum University of Pennsylvania Health System. Philadelphia, PA
- 1999 The Research Training Institute of The Center for Excellence in Health Professions Research. Thomas Jefferson University. Philadelphia, PA
- 1998 Combined Sections Meeting, American Physical Therapy Association, Boston, MA.
- 1998 Prospective Payment, Medicare Case-Mix Under Rug III Polaris Group, King of Prussia, PA
- 1998 The Balanced Budget Act, Pennsylvania Physical Therapy Association. Philadelphia, PA
- 1997 Promoting Health and Preventing Disease. American Association of Cardiovascular and Pulmonary Rehabilitation. Dallas, TX.
- 1997 Combined Sections Meeting, American Physical Therapy Association, Dallas, TX.
- 1997 Innovative Approaches To Rehabilitation in Long Term Care Reading Area Community College. Reading, PA.
- 1996 Promoting Health and Preventing Disease. American Association of Cardiovascular and Pulmonary Rehabilitation. Baltimore. MD.
- 1996 Advanced Cardiac Life Support. American Heart Association. University of Pennsylvania Medical Center. Philadelphia, PA.
- 1995 Building on Success: A Decade of Progress. American Association of Cardiovascular and Pulmonary Rehabilitation. Minneapolis, MN.
- 1995 Lung Transplantation in Pediatrics. T. Spray M.D. Children's Hospital of Philadelphia. Philadelphia, PA.
- 1994 Advanced Cardiac Life Support. American Heart Association. University of Pennsylvania Medical Center. Philadelphia, PA.
- 1994 Ribs, Trunk and Breathing: An Integrated Treatment for Neurologic and Orthopedic Populations. JFK Johnson Rehabilitation Institute. Edison, NJ.
- 1994 Airway Clearance Techniques. M. Mcilwaine. Consortium for Cystic Fibrosis. Children's Hospital of Philadelphia. Philadelphia, PA.

- 1994 Pulmonary Medicine: A State of the Art Review University of Pennsylvania School of Medicine. Philadelphia, PA.
- 1994 Pulmonary Rehabilitation. Medical Center of Delaware, Center for Rehabilitation at Wilmington Hospital. Wilmington, DE.
- 1993 Diagnosis and Treatment of Cardiopulmonary Impairment in the Movement System. Beth Israel Hospital. Boston, MA.
- 1993 Critical Care Medicine: A Comprehensive Review and Update. University of Pennsylvania School of Medicine. Philadelphia, PA.
- 1993 Cardiopulmonary Transplantation: Exercise Considerations. The Presbyterian Hospital at Columbia Presbyterian Medical Center. New York, NY.
- 1993 Workshop on Pulmonary Rehabilitation Research National Center for Medical Rehabilitation Research and Division of Lung Diseases, National Heart, Lung and Blood Institute. Rockville, MD.
- 1992 Electrocardiogram Interpretation and Assessment. Nursing Continuing Education. University of Pennsylvania Medical Center. Philadelphia, PA.
- 1992 Advanced Cardiac Life Support. American Heart Association. University of Pennsylvania Medical Center. Philadelphia, PA.
- 1992 Pennsylvania Physical Therapy Association Annual Conference. Philadelphia, PA.

Current Teaching Responsibilities in the Entry-level Physical Therapy Program (in sequence, by quarter or semester):

Summer 1 (Semester 1)

DPTR 5001: Clinical Anatomy I (6 credit): Lecturer

Spring 1 (Semester 3)

DPTR 5301: Medical Conditions I (4 credits): Course Coordinator & Lecturer

Fall 2 (Semester 5)

DPTR 6302: Medical Conditions II (2 credits): Course Coordinator & Lecturer

Spring 2 (Semester 6)

DPTR 6303: Medical Conditions III (3 credits): Course Coordinator & Lecturer

Summer 3 (Semester 7)

DPTR 7112: Acute Care Elective (1 credit): Course Coordinator & Lecturer

DPTR 7651: Clinical Reasoning Capstone (4 Credit): Mentor