

CURRICULUM VITAE
Suh-Jen Lin, PT, PhD
December 2008

Education

Ph.D. Physical Therapy and Rehabilitation Science, University of Iowa, Iowa City, IA.
M.S. Physical Therapy, MGH Institute of Health Professions, Boston, MA.
B.S. Physical Therapy, National Taiwan University, Taipei, Taiwan.

Ph.D. Dissertation

Title: "The effect of added prosthesis mass on physiologic responses and gait performance during multiple-speed treadmill walking in persons with transtibial amputation", May 2001.
Advisor: Dr. David H. Nielsen.

Licensure

PT License: Texas, Indiana, Iowa, Taiwan, Massachusetts.

Employment

2003 – present Assistant Professor, School of Physical Therapy, Texas Woman's University (TWU), Dallas, TX
2005 – present Full member, Graduate Faculty, TWU, Denton, TX
2002 – 2003 Visiting Assistant Professor, Department of Physical Therapy University of Illinois at Chicago, Chicago, IL
1996 – 2001 Teaching assistant, Physical Therapy Graduate Program, University of Iowa, Iowa City, IA
1997 – 2000 Staff Physical Therapist (part-time), University of Iowa Hospitals and Clinics, Iowa City, IA
1994 – 1996 Lecturer, School of Physical Therapy, China Medical College, Taichung, TAIWAN

(More available upon request)

TEACHING

Courses taught at TWU: (graduate courses)

Professional Entry-Level Program

PT 5221 Exercise Testing/Prescription (2004 - present)
PT 5223 Clinical Management of Cardiovascular/Pulmonary Conditions (2003 – 2007)
Guest lecturer, Houston Campus, Physical Therapy Program (2007)
PT 5233 Research in Physical Therapy (2004)
PT 5871 Critical Inquiry I (2004 – present)
PT 5881 Critical Inquiry II (2004 – present)

PT 5891 Critical Inquiry III (2005 – present)
PT 5801 Patient Care Seminar (2004– 2007)(Co-teach)
PT 5113 Electrotherapy in ‘Therapeutic Activities for the Orthopedic Patients’ (Co-teach)
(Spring 2004 – 2007)
PT 6383 Cardiopulmonary Physical Therapy (Summer 2008 –)
PT 5072 Developmental Concepts (Fall 2008 –)

Post-professional Master and Doctoral Program

PT 5233 Research in Physical Therapy (2005 – present)
PT 6913/PT6413 Cardiopulmonary Integration: Implications and Applications (2004 – present)
PT 6083 Advanced Instrumentation in Physical Therapy (2008 – present)

Other Scholarly Teaching, Mentoring, and Curriculum Achievements

Research projects of post-professional students

The effect of peak VO₂ on aerobic exercise, functional strength, balance, coordination and cognition in persons with Multiple Sclerosis: a pilot study. 2008 (Advisors: Dr. Mary Thompson and Dr. Suh-Jen Lin)

The effect of added prosthetic mass on physiologic responses and gait performance in persons with transtibial amputation, 2005 (Chair)

Master’s or Doctoral Professional papers (Entry-level physical therapy students)

Comparisons of a fitness program and a home-based exercise program on aerobic capacity, muscle strength, balance and quality of life in persons with lower-limb amputation – a randomized block design. (in progress)

The effect of aerobic exercise on physical outcomes measures in persons with multiple sclerosis. 2008 (Advisors: Dr. Mary Thompson and Dr. Suh-Jen Lin)

The effect of aerobic exercises on cognitive and quality of life measures in persons with multiple sclerosis. 2008 (Advisors: Dr. Mary Thompson and Dr. Suh-Jen Lin) This group of students received the **Best Platform Presentation Award** on Research Day.

Comparisons of aerobic capacity and self-selected walking velocity between active amputees, age-matched sedentary amputees, and healthy adults. – a pilot study. (2008) (Chair)

A fitness program for persons with lower limb amputation and limited walking ability – a pilot study. (2008) (Chair)

A fitness program for persons with lower-limb amputation and limited walking ability – a pilot study. (2007) (Chair)

Validation of a portable metabolic system. (2007) (Chair)

Validity and reliability of the six-minute walk test in persons with transtibial amputation. 2006 (Chair) (This group of students received the **Best Platform Presentation Award** on

Research Day.)

Validity and reliability of the six-minute walk test in persons with transtibial amputation. 2005
(Chair)

SCHOLARSHIP/CREATIVE ACHIEVEMENTS

Refereed Publications

Lin SJ and Bose NH (2008): Six-minute walk test in persons with transtibial amputation.
Archives of Physical Medicine and Rehabilitation 89(12):2354-9.

Hsu M, Nielsen DH, Lin-Chan SJ, Shurr D. (2006): The effects of prosthetic foot design on physiologic measurements, self-selected walking velocity, and physical activity in people with transtibial amputation. *Archives of Physical Medicine and Rehabilitation* 87(1): 123-9.

Lin-Chan S, Bilodeau M, Yack HJ, and Nielsen DH (2004): The force-driven harmonic oscillator model for energy-efficient locomotion in individuals with transtibial amputation. *Human Movement Science* 22(6):611-630.

Lin-Chan S, Nielsen DH, Shurr DG, and Saltzman CL. (2003): Physiological responses to multiple speed treadmill walking for syme versus transtibial amputation: A case study. *Disability and Rehabilitation* 25(23): 1333-1338.

Lin-Chan S, Nielsen DH, Hsu MJ, and Yack JH (2003): The effect of added prosthetic mass on physiologic responses and stride frequency during multiple speeds of walking in persons with transtibial amputation. *Archives of Physical Medicine and Rehabilitation* 84(12): 1865-1871.

Lin SJ, Chen YH, Lin TW, Chen SY, and Chang YH. (1997): Effect of moderate-intensity exercise on cardiovascular risk factors in overweight elders. *Journal of Physical Therapy (Republic of China)*; 22(1): 13-20.

Nielsen KE, Nielsen DH, Lin SJ, *et al.* (1997): Changes in exercise responses and tolerance following an eight-week pulmonary rehabilitation program. *Cardiopulmonary Physical Therapy Journal* 1997; 8(4): 3-11.

Published Abstracts of Peer Reviewed Presentations

Lin SJ, Goodliffe T, Weatherly E. (2008): Aerobic capacity and oxygen efficiency in active individuals with lower-limb amputation and age-matched sedentary individuals – a pilot study. *Cardiopulmonary Physical Therapy Journal*, 19(4): 141.

Lin SJ, Stacy B, Okhovat E, Ardanowski C. (2007): A fitness program for persons with lower limb amputation and limited walking ability. *Cardiopulmonary Physical Therapy Journal*, 18(4): 27.

Lin SJ, Sommerlad C, Dingman T, & Elder L. (2006): Reliability and validity of the

six-minute walk test in persons with transtibial amputation. *Cardiopulmonary Physical Therapy Journal*, 17 (4): 146.

Lin SJ, George E, & Hathi N.(2006): The reliability of the 6-minute walk test in persons with transtibial amputation. *Journal of Orthopedic and Sports Physical Therapy*, 36(1): A20.

Lin SJ, Goh H-T, & Kwon Y-H. (2005): Changes of ground reaction force after short-term adaptation to added prosthetic mass during over ground walking: Preliminary data. *Journal of Orthopedic and Sports Physical Therapy*, 35(1): A 64.

Lin SJ, Goh H-T, & Kwon Y-H.(2004): The effect of added prosthetic mass on self-selected walking velocity, heart rate, and step length during overground walking in persons with transtibial amputation: preliminary data. *Cardiopulmonary Physical Therapy*, 15(4): 30.

Lin-Chan S, Yack HJ, & Nielsen DH. (2004): Compromise natural period between legs in individuals with unilateral transtibial amputation. *Gait & Posture*, 20(suppl 1): S48-S49.

Lin SJ, Nielsen DH, & Hsu M.(2003): The myth of self-selected walking velocity in individuals with transtibial amputation. *Cardiopulmonary Physical Therapy Journal*, 14(1): 22.

Lin-Chan SJ, Nielsen DH, Yack HJ, & Hsu M.(2002): Energy expenditure and self-selected walking velocity with added prosthesis mass in persons with transtibial amputation. *Medicine & Science in Sports & Exercise*, 34(5): S16.

Lin-Chan SJ, Nielsen DH, Yack HJ, & Hsu M.(2002): Changes in gait performance at self-selected walking velocity with proximally added prosthesis mass in persons with transtibial amputation. *Gait & Posture*, 16(suppl 1): S61.

Peer Reviewed Scientific and Professional Presentations (those not previously cited above under abstracts):

Lin SJ, Goodliffe T, Weatherly E. (2009): *Aerobic capacity and oxygen efficiency in active individuals with lower-limb amputation and age-matched sedentary individuals – a pilot study*. An abstract accepted is accepted for a poster presentation at the Combined Sections Meeting of American Physical Therapy Association, February 9-12, Las Vegas, NV.

Swank C, Thompson M, Lin S, and Medley A. (2009): *Effect of Aerobic Exercise on Cognitive Function and Quality of Life in Persons with Multiple Sclerosis*. An abstract accepted to the Combined Sections Meeting of American Physical Therapy Association, February, Las Vegas, NV.

Swank C, Thompson M, Lin S, and Medley A. (2008): “*The Effect of Aerobic Exercise on Physical Outcome Measures in Persons with Multiple Sclerosis*. An abstract is accepted for a poster presentation at the Annual Meeting of Texas Physical Therapy Association, October 23-26, Lubbock, TX.

Lin SJ, Blasmingame M, Myers J. (2008): *A comprehensive fitness program for persons with*

lower-limb amputation: preliminary data. An abstract is accepted for a platform presentation at the Annual Conference of the Texas Society of Allied Health Professions, September 25-26, El Paso, TX.

Lin SJ, Blasmingame M, Myers J. (2008): *A comprehensive fitness program for persons with lower-limb amputation: preliminary data.* An abstract is accepted for a poster presentation at the Annual Meeting of Texas Physical Therapy Association, October 23-26, Lubbock, TX.

Lin SJ, Goodliffe T, Weatherly E. (2008): *Aerobic capacity and oxygen efficiency in active individuals with lower-limb amputation and age-matched sedentary individuals – a pilot study.* An abstract is accepted for a poster presentation at the Annual Meeting of Texas Physical Therapy Association, October 23-26, Lubbock, TX.

Lin SJ, Beckmann S, Okhovat E, Ardanowski C. (2007): *A fitness program for persons with lower limb amputation and limited walking ability – a pilot study.* a platform presentation at the Texas Physical Therapy Association, Galveston, TX, October 19-21.

Lin SJ, Cao K, Truong D. (2007): *Validation of a portable metabolic system.* A platform presentation was completed at the Texas Physical Therapy Association, Galveston, TX, October 19-21.

Lin SJ, Sommerlad C, Dingman T, Elder L (2006): *Reliability and validity of the six-minute walk test in persons with amputation.* A platform presentation was completed at the Annual Meeting of the Texas Physical Therapy Association, Fort Worth, TX, October 27- 29.

Lin SJ, George E, & Hathi N. (2005): *The reliability of the six-minute walk test in persons with transtibial amputation – preliminary data.* A poster was presented at the Annual Conference of the Texas Physical Therapy Association, The Woodlands, TX, October 21-23.

Lin SJ, Hogan J, Walters P, & Hathi N. (2005): *The validity of the six-minute walk test in persons with transtibial amputation – preliminary data.* A poster was presented at the Annual Conference of Texas Physical Therapy Association, The Woodlands, TX, October 21-23.

Book Chapter Publication:

Lin, SJ: *Energy Cost Considerations with Common Disabilities: Scientific and Clinical Perspectives*, In Shrawan, K. (ed.) *Ergonomics for Rehabilitation Professionals*. Taylor & Francis Group - CRC Press (in press)

Grants received

- Texas Physical Therapy Foundation: “Comparison between a supervised fitness training program and a home-based exercise program on oxygen efficiency, endurance, muscle strength, and balance in persons with low-limb amputation”, role: PI (Dec 2008 –)

- The Texas Society of Allied Health Professions (TASHP Research Award): “A fitness program for persons with lower-limb amputation – a pilot study”, role: PI, (2007 – present)
- Texas Woman’s University, Small Grants of the Office of Research and Sponsored Programs: “Comparisons of aerobic capacity and self-selected walking velocity between active amputees, age-matched sedentary amputees, and healthy adults. – a pilot study.” Role: PI, (2007 – 2008)
- Texas Physical Therapy Foundation: “The validity and reliability of walk test in persons with amputation”, role: PI, co-investigator: Lori Hall, MS, PT (2004 – 2006)
- Texas Woman’s University, new faculty Research Enhancement Program award: “The effects of added prosthetic mass on physiologic responses, biomechanics, and electromyography of gait in individuals with unilateral transtibial amputation.” Role: PI, co-investigator: Dr. Young-Hoo Kwon, Dept. of Kinesiology, TWU (Dec. 2003 – Mar. 2006)
- Otto Bock Health Care, Inc., Minneapolis, MN: funding for doctoral research at the University of Iowa, “The effects of added prosthetic mass and prosthesis foot types on physiological response and gait performance during multiple speed treadmill walking in persons with transtibial amputation”, role: co-investigator; PI: Dr. David H. Nielsen (1999 –2001).

PROFESSIONAL SERVICE

Service Activities for the Component, College, University

University:

- Library Committee, TWU (2006 – present)
- Member, Institutional Review Board, Presbyterian Campus, TWU (2007 – 2008)
- Chair, Institutional Review Board, Dallas campus, TWU (2008 – 2009)

School of Physical Therapy:

- Professional Curriculum Committee, School of Physical Therapy, TWU (2003 – present)
- Library Liaison, School of Physical Therapy, Dallas campus, TWU (2004 – present)
- Other School-related Services
 - Doctor Physical Therapy (DPT) Program Planning committee (2004 to 2006)
 - DPT Curriculum Cardiopulmonary sub-committee
 - DPT Curriculum Therapeutic exercise sub-committee
 - DPT Curriculum Health Promotion and Wellness sub-committee

Service to the Profession

Nominating Committee Member, Cardiovascular & Pulmonary Section, APTA (2008 – 2010)

Reviewer, Continuing Education Proposals, TPTA, Panels of Acute Care, Cardiopulmonary, and Research (2008 Nov. – Present)

Member, American Physical Therapy Association (APTA) (1994 – present)

Member, Texas Physical Therapy Association (TPTA)(2003 – present)

Poster Tour Facilitator, the Annual Conference of American Physical Therapy Association, San Antonio, TX, June 11-14, 2008.

Chairperson, an education session on *Understanding and Managing Patients with Heart Failure* at the Annual Conference of American Physical Therapy Association, San Antonio, TX, June 11-14, 2008.

Reviewer for research grant proposal, Research Enhancement Program, Research & Sponsored Program, Texas Woman's University (Spring 2007)

Reviewer for a book proposal on research methods for Lippincott Williams & Wilkins /Wolters Kluwer (Spring 2007)

Scorer for poster and platform presentations, TPTA Annual Conference (2007 – present)

Reviewer for Annual Conference abstracts, TPTA Annual Conference (2006 – present)

Reviewer for research grant proposals, US Army Medical Research and Material Command (USAMRMC) (2005 – present)

Reviewer for conference proposals and abstracts, Cardiovascular and Pulmonary Subcommittee, the Annual Conference Program Committee, APTA (2005 – 2008)

Service to the community

- A volunteer to the Dallas Amputee Network, providing advice to people with lower-limb amputation on exercise, health, and wellness (2003 – present).