

CURRICULUM VITAE

Carolyn Kelley, PT, DSc

June, 2011

Texas Woman's University
School of Physical Therapy
6700 Fannin
Houston TX 77030
713-794-2087

Education: *(Post high school, from most recent to earliest, institution, location, duration of study of study, field of study, degree received)*

University of Alabama at Birmingham	Birmingham, AL	DSc in Physical Therapy	2005-2008
Texas Woman's University	Houston, TX	MS in Physical Therapy	1981-1983
Rice University	Houston, TX	BA in Biology and Psychology	1979-1981
University of Texas	Austin, TX	Attended	1977-1979

Licensure Information/Registration Number:

Texas Physical Therapy License # 1035871

Certifications (eg ABPTS):

Neurologic Clinical Specialist (NCS), APTA certified in 2001 (currently applying for recertification)

CPR certified for Healthcare Providers

Employment and Positions Held: *(From most recent to earliest, including title/position, faculty rank, tenure status or other institutional status, institution, location, duration (from-to))*

Associate Professor	School of Physical Therapy Texas Woman's University (TWU) Houston, Texas	2008-present
Associate Clinical Professor	School of Physical Therapy (TWU)	2004-2008
Assistant Clinical Professor	School of Physical Therapy (TWU)	1997 to 2004
Supplemental Physical Therapist	Memorial Hermann Hospital Houston, Texas	2004-present
Physical Therapist	TIRR Memorial Hermann Rehabilitation and Research Houston, Texas	1998-present

Physical Therapist	National Rehabilitation Partners (NRP, formerly David P. Williams and Assoc., Inc.), Houston, TX	1997-2001
Assistant Director of Physical Therapy	David P. Williams and Assoc., Inc. Houston, TX	1989-1997
Adjunct Faculty Member	Texas Woman's University Houston, TX	1990-????
Physical Therapist II	TIRR Houston, TX	1986-1989
Physical Therapist	Gulf Coast Physical Therapy Corpus Christi, TX	1985-1986
Physical Therapist I	TIRR Houston, TX	1984-1985
Physical Therapist and Clinical Instructor	TPT, Inc. Corpus Christi, TX	1983-1984

Peer Reviewed Publications: *(From the most recent to the earliest (include those accepted for publication but not yet published, but indicate as such) Include papers in journals, AV materials published, monographs, chapters in books, and books, provide full bibliographic citation.*

Kelley CP, Graham C, Christy, JB, Hersch G, Shaw S, Ostwald SK. Falling and mobility experiences of stroke survivors and spousal caregivers. *Phys Occup Ther Geriatr.* 2010;28:235-248.

Kelley C. Physical therapy management of women with long-term disabilities. In Irion JM, Irion GL (ed). *Women's Health Care in Physical Therapy*. Lippincott Williams & Wilkins: Baltimore, MD, 2010.

Ostwald SK, Davis S, Hersch G, Kelley C, et al. Evidence-based educational guidelines for stroke survivors after discharge home. *N Neuroscience Nurs.* 2008; 40(3):173-179.

DiBello T, Kelley C, Kaldis T, Vallbona C. Orthoses for persons with post polio paralysis. In: Hsu JD, Michael JW, Fisk JR. *Atlas of Orthoses and Assistive Devices*, 4th Ed. Mosby: Philadelphia, PA, 2008.

Kelley C, DiBello T. Orthotic assessment for individuals with post polio syndrome: a classification system. *J Prosthetic Orthotic.* 2007; 19(4):109-113.

Smith LK, Kelley C. Post polio syndrome. In: Umphred, D (Ed). *Neurological Rehabilitation*, 4th edition. Mosby: St Louis, MO. 2001

Peer Reviewed Scientific and Professional Presentations: *(from the most recent to the earliest. Include presenter (s), title, occasion, and date)*

Kelley CP. Clinical decision making: stance control in the post-polio population. American Academy of Orthotists and Prosthetists, Chicago, IL 2010

Amonette JL, Kelley C. Functional mobility improvements in a patient with generalized dystonia using robotic assisted treadmill training. Poster presented at APTA Combined Sections Meeting, San Diego, CA 2010

Johnson KM, Kelley C. Disability of the stroke survivor and burden of the spousal caregiver. Poster presented at APTA Combined Sections Meeting, San Diego, CA. 2010

Kelley C. Clinical decision-making for orthotic assessment in individuals with post-polio syndrome. International African American Prosthetics and Orthotics Coalition (IAAPOC) Scientific Meeting and Conference, Houston, TX 2009

Kelley C, Dyer C, Ostwald S, et al. Multi-disciplinary education of health profession students in elder abuse and neglect. Poster presented at APTA Combined Sections Meeting, Las Vegas, NV. 2009

Sammons D, Kelley C, Stevens P, DiBello T. Insights gained through a recent survey of patients with post-polio. Poster presented at The American Academy of Orthotics and Prosthetics, 32nd Annual Meeting and Symposium, Chicago, IL 2006

Ostwald S, Davis S, Hersch G, Kelley C, et al. CARES: an interdisciplinary randomized clinical trial with stroke survivors and their spousal caregivers. International Stroke Conference, New Orleans, LA 2005

Kelley C, Ayo F, Bennett D, et Al. Physical performance measures in people with post-polio syndrome compared to healthy subjects. Poster presented at TPTA conference, Austin, TX 2004

Abstracts: *(From the most recent to the earliest, provide full bibliographic citation)*

Kelley C, Bennett D, Burgoyne W, Cooper N. Comparison of grip strengths of people with post-polio syndrome, without known upper extremity weakness, to published grip strengths of normals. *Neurology Report* 28:182. Presented at APTA Combined Sections Meeting, New Orleans, LA. 2004

Ostwald S, Hersch G, Kelley C, et al. Interactions among stress, depression, social support, and physical function in stroke survivors and their spousal caregivers, Gerontological Society of America Scientific Mtg, San Diego, CA 2003

Ostwald S, Davis S, Hersch G, Kelley C. The whole is greater than the sum of the parts: interdisciplinary intervention for stroke survivors and their spouses, National Gerontological Nursing Association conference, Houston, TX 2003

Ostwald S, Hersch G, Kelley C. Discharge disconnect, ASA/NCOA conference, Chicago, IL 2003

Kelley C. Post-polio syndrome: Encouraging self management, TPTA state conference, Austin, TX, 2002

Vallbona C, Kelley C., Kaldis T. Post-polio syndrome: Management of physical symptoms, Texas Medical Association's Texas Medical Conference, Dallas, TX 2002

Kelley C., Blake K. Effects of body weight supported gait training of adult with chronic hemiparesis. *Neurology Report* 26:201. Poster presented at APTA Combined Sections Meeting, Tampa, FL. 2002

Mangarelli-Kallenberg L, Kelley C., Protas E, et al. Assessment of caregiver burden and disability of the stroke survivor. Poster presented at TPTA conference, Austin, TX. 2000

Non Peer Reviewed Publications: *(From the most recent to the earliest, provide full bibliographic citation)*

Invited author of Post polio syndrome, Section on Geriatrics Home Study Course Topics in Geriatrics 2005, APTA.

Hooked on Evidence: Review of Exercise programs for patients with post-polio syndrome: a case report, 2005

Hooked on Evidence: Review of Electrophysiologic study of the quadriceps muscles during fatiguing exercise and recovery: a comparison of symptomatic and asymptomatic postpolio patients and controls, 2005

Hooked on Evidence : Review of randomized controlled trial of strength training in post-polio patients, 2005

Non Peer Reviewed Presentations: *(From the most recent to the earliest. Include: Presenter(s), title, occasion, and date)*

Kelley C. Clinical decision making in gait and orthotics. Baylor College of Medicine, Houston, TX 2010

Kelley C. Assessment within the enablement model. Baylor College of Medicine, Houston, TX 2010

Transitions to residency: elder abuse and neglect, Houston, TX 2009

Medical screening in patients with neurological conditions, Houston, TX 2008

Management of adults with hemiparesis: facilitating function at the bedside, Houston, TX 2007

Kelley C, Gregersen B. The long road to recovery from stroke: staying healthy, Houston, TX 2007

Neuromuscular electrical stimulation applications for facilitation of function and movement in individuals with neurological involvement. Houston, TX 2004

Post-polio syndrome: The balancing act, Texas Polio Survivors' Association, Houston, TX 2002

Post-polio syndrome: management of physical symptoms, Southeastern District of TPTA, Houston, TX 2002

APTA specialization, Southeastern District of TPTA, Houston, TX 2001

Polio and post-polio syndrome, Texas Polio Survivors' Association, Houston, TX. 2001

Introduction to NDT, Tenet Park Plaza Hospital, Houston, TX. 2000-2001

Introduction to NDT, Veterans Administration Medical Center, Houston, TX. 2000

Kelley C. Neurodevelopment treatment (NDT) for stroke survivors. University of Texas School of Nursing, Center on Aging, Houston, TX. 2000

Funded/in Review Grant Activity: *(Include: Authorship/Participation, Amount of Funding awarded, nature of project, date and source)*

Noser E, Boake C, Kelley C, et al. Improving ambulation post stroke with robotic training. Medallion Foundation through Memorial Hermann Clinical Innovation and Research Institute. PT amount \$57,528 2008-2011

Dyer C, Ostwald S. Houston Geriatric Education Center grant, with Carolyn Kelley as physical therapist consultant. 2007-2012

Ostwald S, Turley J, Marshall G, et al (including Kelley C). Intervention for stroke survivors and spousal caregivers. National Institute of Nursing Research Department of Health and Human Services. Total amount=\$2,226,669 (PT amount=~\$6000 per year). 2001-2006.

Kelley C, DiBello T. Effects of "tone-inhibitive" versus traditional ankle foot orthoses (AFOs) in gait of adults with hemiparesis. NDTA. Amount=\$5000.

Current/Active Research Activity: *(Include authorship, nature, funding (External, grant, internal))*

Co-investigator and primary interventionist for study: Noser E, Boake C, Kelley C, et al. Improving ambulation post stroke with robotic training. Medallion Foundation through Memorial Hermann Clinical Innovation and Research Institute. PT amount \$57,528 2008-2011

Physical therapist consultant for project: Dyer C, Ostwald S. Houston Geriatric Education Center grant. 2007-2012

Physical therapist consultant for continued data analysis, meetings, and manuscript writing from study: Ostwald S, Turley J, Marshall G, et al (including Kelley C). Intervention for stroke survivors and spousal caregivers. National Institute of Nursing Research Department

of Health and Human Services. Total amount=\$2,226,669 (PT amount=~\$6000 per year). 2001-2006. Will be primary author for manuscript addressing out-patient/home health physical and occupational therapy patterns of care following hospital discharge after stroke

Author of manuscript entitled: Relationship between plantarflexor weakness and low back or sacroiliac pain in individuals with post-polio syndrome: a case control study, currently under revision for submission to *Disability and Health Journal*, 2011

Primary investigator for project studying the relationships between falling, fear of falling, depression, and mobility in people with post-polio syndrome. Questionnaire piloted and data collection ongoing, 2010-2011

Qualitative study of stroke survivors and spouses about falling and fear of falling, 2010

Qualitative study of Indian physical therapy students with visual impairment or blindness, 2010-2011

Membership in Scientific/Professional Organizations: *(Include positions held)*

APTA 1983-present,
Neurology section 1987-present,
Geriatric section 2007-2009,
Education section 1999-2004

Neurodevelopment Treatment Association 1988-2002

Texas Polio Survivors' Association 1999-present

Consultative and Advisory Positions Held: *(Include title or nature, Agency, Duration (From-To))*

Mischer Neuroscience Institute, Houston, TX, Consultant to research activities, 2008 to present

Neurologic Clinical Residency faculty consultant to residency programs through TIRR Memorial Hermann, in collaboration with the University of Texas Medical Branch 2008 to present, with TIRR Memorial Hermann Neurologic Clinical Residency program credentialed 2010

Neurologic Clinical Residency faculty consultant to Harris County Hospital District, 2008, 2010 to present with first residents to start 9/2011.

Planning committee for conference: Surviving stroke: nurturing hope and health, Houston, TX 2008

Planning committee for conference: Surviving stroke: the journey toward wellness, Houston, TX 2007

Planning committee for conference: Surviving stroke: the journey together, Houston, TX 2006

TIRR Memorial Hermann Department of Physical Therapy, Consultant for patient cases, lower extremity orthoses. 2001-2002

University of Texas-Houston Harris County Psychiatric Center, Consultant regarding functional outcome measures. 2001

TPTA continuing education review/approval program, neurology panel. 2000 to present

Texas Polio Survivors' Association, Consultant during question/answer sessions at support group meetings 1999 to present, serving on assistance fund committee 2001 to present

Started the Corpus Christi chapter of the Texas Brain Injury Association. (1984)

Community Service: *(Include title or nature (Note if chairmanship is held) Agency, Duration (From-To)*

Lazybrook Neighborhood Association, Houston, TX 1992 to present

Bellaire High School Future Farmers of America Booster Club, Bellaire, TX 2009-2010

Bellaire High School Volleyball Booster Club, Bellaire, TX 2005-2008

Holy Cross Lutheran Church, Houston, TX, Member of renovation and new building task force 1999-2004, bilingual Sunday school teacher for pre-kindergarteners and kindergarteners 1995-2001

Active volunteer in public schools, Sinclair Elementary and Clifton Middle Schools 1995 to 2004

Services to the University/College/School on Committees/Councils/Commissions: *(Cite Membership and Chairmanships, and include University wide, school, other schools in the university, department, dates)*

Institutional Review Board of TWU-Houston campus. 2002-present, Chairperson 2010 to present

Emergency scholarship and loan committee 2002 – 2003, Chairperson 2010 to present

Professional curriculum committee 1998-2004

Professional admissions committee 1998-present, chairperson 2002-2005

Professional scholarship committee 2001-present

Alumnae committee 1997-2000

Continuing Education Attended: *(List only courses taken within the last 5 years that are specifically related to responsibilities in the entry level program)*

- 2011 Combined Sections Meeting of APTA, New Orleans, LA
- 2010 Neurologic practice essentials: a measurement toolbox, Houston, TX
- 2009 Pathophysiology of spasticity, Houston, TX
Observational gait analysis: maximizing gait outcomes for clients with neurologic deficits, Las Vegas, NV 2009
Combined Sections Meeting of APTA, Las Vegas, NV 2009
Constraint induced therapy and other activity based therapies, Austin, TX 2009
Integrating ethical and legal issues into practice, Austin, TX 2009
- 2008 Advanced outcome measures, Houston, TX
- 2007 Neurorecovery Network activity based therapy locomotor training educational program, Houston, TX
- 2006 Promotion of fitness and prevention of secondary complications for people with neurological disorders, San Diego, CA
- 2005 Combined Sections Meeting of APTA, New Orleans, LA

Current Teaching Responsibilities in the Entry Level Program: *(In sequence, by term, do not include courses taught at other institutions)*

Semester 1

Semester 2

Semester 3

- PT 5132 Clinical Management of the Neuromuscular System, course coordinator and primary instructor
- PT 5313 Therapeutic Exercise and Interventions I, guest instructor

Semester 4

- PT 6323 Neuromuscular Physical Therapy I, course coordinator and primary instructor
- PT 5871 Critical Inquiry I, research mentor

Semester 5

- PT 6343 Neuromuscular Physical Therapy II, course coordinator and primary instructor
- PT 6122 Prostheses, Orthoses, and Advanced Gait, course coordinator
- PT 6011 Critical Inquiry II, research mentor

Semester 6

Semester 7

PT 6021 Critical inquiry III, research mentor

Semester 8

PT 6132 – Professional Development for the Physical Therapist, provide guidance and grading for 10 assigned academic advisees every other year