



Patricia Pohl

Associate Professor

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EDUCATION

- Ph.D., Biokinesiology and Physical Therapy, University of Southern California, Los Angeles, CA, 1995.
- M.S., Physical Therapy, University of Southern California, Los Angeles, CA, 1982.
- M.S., Education, Queens College, CCNY, Flushing, NY, 1976.
- B.S., Physical Education, Adelphi University, Garden City, NY, 1972.

ACADEMIC / CLINICAL APPOINTMENTS

- Assistant Professor of Clinical Physical Therapy and Academic Coordinator of Clinical Education, Department of Physical Therapy, University of Southern California, Los Angeles, CA, August, 1986 - July, 1987
- Teaching Assistant, Department of Anatomy, University of California, Berkeley, CA, August, 1987 - January, 1988
- Assistant Professor, School of Physical Therapy, Childrens Hospital/Chapman University, Los Angeles, CA, August, 1989 - January, 1992
- Teaching Assistant, Department of Biokinesiology and Physical Therapy, University of Southern California, Los Angeles, CA, January, 1991 - May 1992
- Research Assistant, Department of Biokinesiology and Physical Therapy, University of Southern California, Los Angeles, CA, June, 1992 - August, 1995
- Assistant Professor, Physical Therapy and Rehabilitation Sciences, University of Kansas Medical Center, November, 1995 - April, 2001
- Associate Professor, Physical Therapy and Rehabilitation Sciences, University of Kansas Medical Center, April, 2001 - August, 2001
- Associate Professor, Department of Physical Therapy, University of Florida, Gainesville, FL, September, 2001 - December, 2001
- Associate Professor, Department of Physical Therapy and Rehabilitation Sciences, December, 2001 - present

TEACHING RESPONSIBILITIES

- PTRS 851 - Control of Human Movement
- PTRS 961 - Advanced Studies in Neurorehabilitation

RESEARCH INTERESTS

Motor learning in older adults and adults with stroke.

RECENT PUBLICATIONS

- Kemper, S., McDowd, J., **Pohl, P.**, Herman, R., & Jackson, S. (in press). Revealing language deficits following stroke: the cost of doing two things at once. *Aging, Neuropsychology and Cognition*.
- Liu, W., Kim, S. H., Long, J. T., **Pohl, P. S.**, & Duncan, P. W. (2003). Anticipatory postural adjustments and the latency of compensatory stepping reactions in humans. *Neuroscience Letters*, 336, 1-4.
- McDowd, J. M., Fillion, D. L., **Pohl, P. S.**, Richards, L. G., & Stiers, W. (2003). Attentional abilities and functional outcomes following stroke. *Journal of Gerontology: Psychological Sciences*, 58B, P45-P53.
- **Pohl, P. S.**, Fillion, D. L., & Kim, S. H. (2003). Effects of practice and unpredictable distractors on planning and executing aiming after stroke. *Neural Rehabilitation and Neural Repair*, 17, 93-100.
- Kim, S. H., **Pohl, P. S.**, Luchies, C. W., Stylianou, A. P., & Won, Y. (2003). Ipsilateral deficits in sensory-motor control after stroke. *Archives of Physical Medicine and Rehabilitation*, 84, 719-724.
- **Pohl, P. S.**, Dunn, W., & Brown, C. (2003). The role of sensory processing in the every day lives of older adults and potential impact on ability to age in place. *OTJR: Occupation, Participation and Health*, 23, 99-106.
- **Pohl, P. S.**, Duncan, P. W., Perera, S., Liu, W., Lai, S. M., Studenski, S., & Long, J., (2002). Influence of stroke-related impairments on performance in the six-minute walk test. *Journal of Rehabilitation Research and Development*, 39, 439-444.
- **Pohl, P. S.**, Duncan, P. W., Perera, S., Long, J., Liu, W., Zhou, J., & Kautz, S. A. (2002). Rate of isometric knee extension strength development and walking speed after stroke. *Journal of Rehabilitation Research and Development*, 39, 651-658.
- Richards, L., Stoker-Yates, J., **Pohl, P.**, Wallace, D., & Duncan, P. (2001). Reliability and validity of two tests of upper extremity motor function post-stroke. *The Occupational Therapy Journal of Research*, 21, 201-219.
- **Pohl, P. S.**, McDowd, J. M., Fillion, D., Richards, L. G., & Stiers, W. (2001). Implicit learning of a perceptual-motor skill after stroke. *Physical Therapy*, 81, 1780-1789.
- **Pohl, P. S.**, Startzell, J. K., Duncan, P. W., & Wallace, D. (2000). Reliability of lower extremity isokinetic strength testing in adults with stroke. *Clinical Rehabilitation*, 14, 601-607.
- **Pohl, P. S.**, Luchies, C., Stoker-Yates, J., & Duncan, P. (2000) Upper extremity control in adults post-CVA with mild residual impairment. *Neurorehabilitation and Neural Repair*, 14, 33-41.
- Velicki, M. R., Winstein, C. J., & **Pohl, P. S.** (2000). Impaired direction and extent specification of aimed arm movements in humans with unilateral stroke-related brain damage. *Experimental Brain Research*, 130, 362-374.

COMPLETED RESEARCH SUPPORT

- **1/1/97-12/31/02**
P60 AG14635 Studenski (PI)
National Institute of Aging
Attention and motor learning after stroke (PI: JM McDowd)
Principal Investigator: Joan M. McDowd, PhD

This project is part of the Kansas Claude D. Pepper Older American Independence Center award (PI: S. Studenski). The purposes of this project are to 1) document the residual attention impairments in stroke survivors at least 6 months post-stroke, 2) to explore the relationship between attention and motor sequence learning, and 3) to examine attentional function immediately following stroke and chart recovery over the first 3 months.

Role: Co-Investigator.

- **4/15/97-7/31/02**

KO1 HD01187 **Pohl (PI)**

National Council of Medical Rehabilitation Research, NICHD, NIH

Motor learning in individuals post-stroke

The purpose of this training award is to investigate the relationship between central motor processing and motor performance and motor learning in adults with chronic stroke. Mentors for this project are Pamela W. Duncan, PhD, PT and Joan M. McDowd, PhD.

Role: PI

- **7/1/99-6/30/00**

Internal Funding **Pohl (PI)**

School of Allied Health, University of Kansas Medical Center

Functional practice with the hemiplegic upper extremity after stroke – a pilot project

The purpose of this study was to gather pilot data on the feasibility of an intensive, short-term home-based intervention program focused on the affected upper extremity after stroke.

Role: PI

- **5/00-4/01**

Internal Funding **Pohl (PI)**

Center on Aging, University of Kansas Medical Center

The FAST study: Fitness after stroke

The purpose of this project was to examine the responses of community-dwelling adults post-stroke to a 12-week community-based fitness program which emphasized aerobic training, strength, and balance.

Role: PI

- **1/01-12/01**

Collaboration/Internal Funding Winstein (PI)

University of Southern California

An investigation of implicit learning capability in adults with unilateral sensorimotor brain damage

The primary purpose of this project is to compare the differences in implicit learning between those with mild and moderate stroke compared to healthy controls. We are in the process of data collection at the University of Southern California and the University of Kansas Medical Center.

Role: Co-Investigator

RECENT PROFESSIONAL & SCIENTIFIC PRESENTATIONS

- Gains in distance walking in a 3-month follow-up post-stroke: what changes? **Pohl, P. S.**, Perera, S., Duncan, P., Maletsky, R., Whitman, R., & Studenski, S. Poster at Combined Sections meeting of the APTA, Nashville, TN. February 2004.
- Can your patient walk and talk after stroke? **Pohl, P. S.** Invited Presentation for the Stroke Special Interest Group of the Neurology Section, at Combined Sections Meeting of the APTA, Nashville, TN. February 2004.
- Procedural learning using the hand ipsilateral to stroke-related brain damage. **Pohl, P. S.**, McDowd, J., Fillion, D., Richards, L., & Stiers, W. Poster at National Institutes of Health Trainee Workshop. Washington, D. C. December 2003.
- Rehabilitation challenges after stroke: applying the scientific evidence on constraint-induced therapy and partial-body-weight support in the clinic. **Pohl, P. S.** Continuing education at Wichita, KS. October 2003.

- Predicting gains in 6-minute walk distance after stroke. **Pohl, P.**, Duncan, P., Perera, S., & Studenski, S. Poster at Claude D. Pepper Older Americans Independence Centers Annual Meeting, Durham, NC, April 2003.
- Implicit learning one month after mild and moderate stroke. **Pohl, P.**, McDowd, J., Fillion, D., Richards, L., & Stiers, W. Poster at Claude D. Pepper Older Americans Independence Centers Annual Meeting, Durham, NC, April 2003.
- Ignoring a visual distractor during goal-directed movements: the challenge after stroke. **Pohl, P. S.**, Fillion, D., & Kim, S. H. Poster at Combined Sections Meeting of the APTA, Boston, MA, February 2001.
- Ipsilateral deficits in sensory-motor control after stroke. Kim, S. H., **Pohl, P. S.**, Luchies, C. W., Stylianou, A. P., & Won, Y. Platform presentation at Combined Sections Meeting of the APTA, Boston, MA, February 2001.
- Reliability of lower extremity isokinetic strength testing in adults with stroke. **Pohl, P.S.**, Startzell, J. K., Duncan, P. W., & Wallace, D. Poster at Combined Sections Meeting of the APTA, New Orleans, LA. February 2000.
- Motor sequence learning following stroke. **Pohl, P.S.**, McDowd, J. M., Fillion, D., Richards, L., & Stiers, W. Poster at Combined Sections Meeting of the APTA, New Orleans, LA. February 2000.

PROFESSIONAL CERTIFICATIONS & LICENSES

- Physical Therapist: California.

PROFESSIONAL & SCIENTIFIC MEMBERSHIPS

- American Physical Therapy Association