

CURRICULUM VITAE

LORIE GAGE RICHARDS

May 2008

4426 NW 60th Ter.
Gainesville, FL 32606
(352) 371-9026

Brain Rehabilitation and Research Center
South Georgia/North Florida Veterans Administration
1601 Archer Rd
Gainesville, FL 32608-1197

(352) 376-1611 ext. 5508

Occupational Therapy Department
College of Public Health & Health Professions
University of Florida
P.O. Box 100164
Gainesville, FL 32610-0164

(352) 273-6450

Email: lrichard@phhp.ufl.edu

EDUCATION:

1992 Ph.D., Psychology, Syracuse University, Syracuse, NY.
1989 M.S., Psychology, Syracuse University, Syracuse, NY.
1983 B.S., Occupational Therapy, Elizabethtown College, Elizabethtown, PA.

ACADEMIC HONORS:

1991 APA dissertation award.

SERVICE:

2006-present VA Subcommittee for Clinical Investigations
2003-present VA Clinical Research Organization Committee
2003-present UF Occupational Therapy Faculty Search Committee
2001 - 2003 KUMC Occupational Therapy Education Self-Study Committee
1998-2003 KUMC Occupational Therapy Education Admissions Committee
2001-2002 KUMC Occupational Therapy Education Program Evaluation Committee
1998-2001 University of Kansas Medical Center Institutional Animal Care and Use
Committee

1997-1998 University of Kansas Medical Center Elections Committee, chair 1998
 1977-1999 KUMC School of Allied Health Research Committee; chair 4/98-6/99
 1995-1996 Kansas Occupational Therapy Association Annual Conference Co-chair
 1995 KUMC Occupational Therapy Appointment, Promotion, and Tenure
 Committee
 1994-1996 KUMC School of Allied Health Election Committee; chair 7/95-6/96
 1993-1998 KUMC Occupational Therapy Graduate Committee
 1992-1996 KUMC Occupational Therapy Curriculum Committee

PROFESSIONAL EXPERIENCE:

2003 – present Associate Professor, Occupational Therapy Department, University of Florida, Gainesville, FL
 2003 – present Research Health Scientist, South Georgia/North Florida Veterans Health System, Gainesville, FL
 1992-2003 Clinical Assistant Professor, Occupational Therapy Education, University of Kansas Medical Center, Kansas City, Kansas.
 1992-2003 Associate Scientist, Center on Aging, University of Kansas Medical Center, Kansas City, Kansas
 1993 - 1995 Courtesy Assistant Professor, Psychology Department, University of Kansas Medical Center, Lawrence, Kansas.
 1987-1992 Research Assistant, Psychology Department, Syracuse University, Syracuse, New York.
 1990-1991 Tutor, English As A Second Language, Literacy Volunteers, Syracuse, New York.
 1987-1988 Guest Lecturer, Psychology Department, Syracuse University, Syracuse, New York: Psychological basis of adolescence.
 1986-1987 Teaching Assistant, Psychology Department, Syracuse University, Syracuse, New York: Introductory Psychology, Information processing laboratory.
 1987 Instructor, Occupational Therapy Department, Maria Regina College, Syracuse, New York: Occupational Therapy Multi-Media.
 1985-1986 Staff Occupational Therapist, The Neurologic Center at Cortland, Cortland, New York.
 1983-1985 Staff Occupational Therapist, Plaza Health and Rehabilitation Center, Syracuse, New York.

PROFESSIONAL AFFILIATIONS:

American Occupational Therapy Association

AD HOC REVIEWING AND MEMBERSHIP ON EDITORIAL BOARDS

2006-present	ad hoc reviewer, Occupational Therapy International
2000- present	Member of editorial board and reviewer, PT and OT in Geriatrics
2005-present	ad hoc reviewer, Physical Therapy
2003-present	ad hoc reviewer, Stroke
2002-2003	ad hoc reviewer, Slack publishers
2002	ad hoc reviewer, AOTA
2002-present	ad hoc reviewer, Journal of Rehabilitation Research & Development
2000-2001	ad hoc reviewer, Applied Occupational & Environmental Hygiene
1999-2002	Grant reviewer for the Alzheimer's Association
1998	ad hoc reviewer, Psychology and Aging
1996 - 1997	ad hoc reviewer, American Occupational Therapy Association annual conference presentations
1996-2001	Member of editorial board, Occupational Therapy Journal of Research
1995	ad hoc reviewer, Occupational Therapy Journal of Research
1994	ad hoc reviewer, Journal of the American Geriatrics Society

COURSES TAUGHT:

University of Kansas:

Undergraduate: Kinesiology (3 credits), Activity Analysis (2 credits), Physical Considerations in Facilitating Occupational Performance (3 credits), Neurorehabilitation (3 credits), Research (mentored groups of students through research projects) (1 credit)

Entry-level professional graduate: Practice Frameworks (responsible for motor rehabilitation and cognitive rehabilitation sections) (8 credits), Analysis and Adaptation of Occupations-I (team taught) (4 credits), Analysis and Adaptation of Occupations – II (2 credits), Professional & Technical Writing and Research Practicum (mentored groups of students through research projects) (1 credit)

Advanced Graduate: Seminar in Physical Disabilities I (3 credits), Seminar in Physical Disabilities II (3 credits)

University of Florida:

Undergraduate: Applied Kinesiology (3 credits)

Entry-level professional graduate: Principles of OT Screening and Evaluation II (responsible for motor rehabilitation and neurological diagnoses sections) (3 credits); Occupational Therapy Interventions II (responsible for motor rehabilitation and neurological diagnoses sections)

Advanced Graduate: Professional Development (mentored students through capstone projects) (6 credits)

THESIS AND DISSERTATION COMMITTEES

University of Florida

Chair or Co-chair of dissertation committee:

Michelle Woodbury, PhD awarded August 2006, Co-chair

Claudia Senesac, PhD awarded May 2006, Chair

Bobbi Pineda, PhD awarded August 2006, Chair

Tara Patterson, in progress

Amit Sethi, in progress

Melinda Wellborn, in progress

Heather Tweedle, in progress

Member of dissertation committee:

Arlene Schmid, PhD awarded Fall 2005

Patricia Belchoir, PhD awarded Summer 2007

Prithvi Shah, member dissertation committee, awarded Spring 2008

Kimberly Stewart, member dissertation committee, in progress

Leigh Layman, member dissertation committee, in progress

Jeff Boychuk, member dissertation committee, in progress

Huang, Jia, member dissertation committee, in progress

Pey-Shan Wen, member dissertation committee, in progress

University of Kansas Medical Center

Chair of Master's Committee

Christine Anderson, MS awarded: 2001

Yolanda Cate, MS awarded: 1998

Lynn Fast, MS awarded: 1999

Member of Master's Committee:

Chia-Fen Chu, Member of Master's thesis committee, MS awarded 2003

Connor Knightly, Member of thesis committee, MS awarded 2002.

Chiung-ju Liu, Master's thesis committee, MS awarded: 2001

Christine Wise, Master's thesis committee member, MS awarded: 1998

Patricia Kerrigan, Ph.D. outside reader, Dissertation, PhD awarded: 1999

GRANTS AND OTHER FUNDED PROJECTS:

9/07-8/10

Should We Train Strength or Just Skill in Post-Stroke Rehabilitation?

Funding Source: VA RR&D

Role: Principle Investigator

9/07-8/10 Amount: \$383,168
 Biological Prediction and Correlation of Response to Robotic Arm Therapy
 Funding Source: VA RR&D
 Role: Site Principle Investigator

7/07-6/09 Amount: \$741,500
 Auditory Rhythm Cues + Task Practice: Effects on UE motor Function post stroke.
 Funding Source: NIH
 Role: Principle Investigator

8/07 – 7/08 Amount: \$145,000
 Connecting Post-stroke Upper Extremity Impairment to Function
 Funding Source: Northstar Neuroscience, Inc.
 Role: Investigator

10/06- 6/08 Amount: \$38,662
 Deep Brain Stimulation and Motor Function in Parkinson's Patients
 Funding Source: VA RR&D
 Role: Site Principle Investigator

10/06 -9/09 Amount: \$250,000 (Gainesville amount: \$125,000)
 Robotic-Assisted Upper Extremity Neurorehabilitation for Patients with Stroke
 Funding source: VA Cooperative Studies and RR&D
 Role: Site Principle Investigator
 Amount: \$1,808,412 (Gainesville amount: \$452,820)
 (does not include cost of robots that study bought and shipped to each site – approximately \$225,000)

5/06-5/08 Acute stroke recovery: Bimanual coordination training.
 Funding source: NIH
 Role: Investigator
 Amount: \$145,000

12/03 – 6/05 Promoting upper extremity recovery after central nervous system damage: a comparison of 3 training regimens
 Funding source: State of Florida Brain & Spinal Cord Research Fund
 Role: Co-Principle Investigator
 Amount: \$19,000

7/03 – 6/04 Efficacy of Botox + Evidence-based behavioral therapy + CIMT
 Funding source: VA Research & Development
 Role: Investigator
 Amount: \$149,926

1/02 –5/03 Feasibility study: safety and efficacy of cortical stimulation in patients with hemiparetic stroke
 Funding Source: Vertis Neuroscience, Inc.
 Role: OT Consultant

4/02-3/03 Perceived needs of caregivers of older adults: Cultural influences.
 Funding Source: Kansas Sunflower Foundation

1999- 2003	Role: Co-Principle Investigator Amount: \$36,091 Geriatric Education Center Funding Source: Bureau of Health Professions Role: Occupational Therapy Faculty Amount: \$749,224
1999-2002	Rural Interdisciplinary Training Center Funding Source: Bureau of Health Professions Role: Occupational Therapy faculty Amount: \$628,858
1999	Functional practice with the hemiplegic upper extremity after stroke Funding Source: School of Allied Health Role: Consultant Amount: \$6,900
1996	Post-Stroke Rehabilitation Pilot Study Funding Source: U.S. Veterans Association Role: Co-investigator Amount: \$50,000
12/97-11/03	Kansas Claude C. Pepper Older Americans Independence Center Funding Source: National Institute on Aging Role: Co-investigator on 2 demonstration projects: Post-stroke Rehabilitation Study Attention and Motor Learning following stroke Amount: \$7,624,960 Amount IDS-1: \$2,193,018 Amount IDS-2: \$403,040
1997	Assessment of Reliability of UE Function Measures Funding Source: Kansas Occupational Therapy Assoc. Role: Principle Investigator Amount: \$500
1994	Occupational Therapists Serving the Needs of Persons with Head Injuries through Independent Living and Vocational Rehabilitation Funding Source: U.S. Department of Education Role: Project Director

MANUSCRIPTS IN PREPARATION

Richards, L., Woodbury, M., Davis, S., Gonzalez-Rothi, L., & Nadeau, S. Proxy compared to self-ratings on the Motor Activity Log.

Richards, LG, Davis, S, Nadeau, S. Amelioration of hemiakinesia with Constraint-Induced Movement Therapy.

Chiu, Y-P, **Richards, LG**, Davis, S, & Nadeau, S. Quality of life outcomes following Constraint-Induced Movement Therapy.

Gonzalez-Rothi, L, **Richards, LG**, Behrman, A, Kleim, J. Principles of neuroplasticity: Lessons for speech language pathology from motor rehabilitation.

MANUSCRIPTS SUBMITTED

Richards, L, Hanson, C, Sethi, A, Wellborn, M. Driving motor recovery after stroke. Topics in Stroke Rehabilitation.

Woodbury, M., Howland, D, McGuirk, T., Senesac, C, Davis, S, & **Richards, L**. Effect of intensive massed task-practice with and without trunk restraint on post-stroke upper extremity reaching kinematics and functional ability.

Senesac, C., Woodbury, ML, Davis, S, **Richards, LG**. Generalization of a Modified Form of Repetitive Rhythmic Bilateral Training in Stroke.

PUBLICATIONS:

Richards, L., Senesac, C., McGuirk, T., Woodbury, M., Howland, D., Davis, S., Patterson, T. (in press). Response to intensive motor therapy by individuals with ataxia from stroke. Topics in Stroke Rehabilitation

Miller, E., Zorowitz, R., Bakas, T., Murray, L., Clark, P., **Richards, L.**, Sullivan, K. (in press). A Comprehensive Overview of Nursing and Interdisciplinary Rehabilitation Care of the Ischemic Stroke Patient (Version 3-6-2008). Rehabilitation Nursing

Richards, LG, Davis, S, Behrman, A, Nadeau, SE. (in press). Does Constraint-Induced Movement Therapy facilitate improved motor function in individuals with ataxia from stroke? Topics in Stroke Rehabilitation.

Woodbury, ML., Velozo, CA., **Richards, LG.**, Duncan, PW., Studenski, S., Lai, SM. (in press) Longitudinal Stability of the Fugl-Meyer Upper Extremity Assessment. Archives of Physical Medicine and Rehabilitation.

Richards, L., Stewart, K., Woodbury, M., Senesac, C., & Cauraugh, J. (2007; Aug [Epub ahead of press]). Neural plasticity and imaging evidence on stroke motor recovery: A systematic review and meta-analysis. Neuropsychologia.

Richards, L., Senesac, C., Davis, S., & Nadeau, S. (2007 Jul 27; [Epub ahead of print]). Modified Bilateral Arm Training with Rhythmic Auditory Cueing (ModBATRAC) in Chronic Stroke. Neurorehabilitation and Neural Repair.

Woodbury, M., Velozo, C., **Richards, L.**, Duncan, P., Studenski, S., & Lai, S-M., Reker, D. (2007). Dimensionality and construct validity of the Fugl-Meyer Assessment of the upper extremity. Archives of Physical Medicine and Rehabilitation.88.715-723.

Schmid, A.,Duncan, P., Studenski, S., Lai, S., **Richards, L.**, Perera, S. (2007). Improvements in Speed-Based Gait Classifications are Meaningful. Stroke, 38, 2096-2100.

Levy, C., Giufredda, C., **Richards, L**, Davis, S. Nadeau, S. (2007). Botulinum Toxin A, Evidence-based Exercise Therapy, and Constraint-Induced Movement Therapy for Upper Limb Hemiparesis Due to Stroke. American Journal of Physical Medicine and

Rehabilitation. American Journal of Physical and Rehabilitation Medicine, 86, 696-706.

Pohl, P., McDowd, J., Filion, D., **Richards, L.**, Stiers, W., & Kluding, P. (2007). Task switching after stroke. Physical Therapy, 87, 66-73.

Richards, L., Gonzalez-Rothi, L, Davis, S, Nadeau, S. (2006). Limited influence of dose schedule of therapist-structured task practice in Constraint-Induced Movement Therapy. Clinical Rehabilitation, 20, 1066-1074.

Latham, N., Jette, D., Coster, W., **Richards, L.**, Smout, R., James, R., Gassaway, J., & Horn, S. (2006). Occupational therapy activities and intervention techniques for clients with stroke in six rehabilitation hospitals. American Journal of Occupational Therapy, 60, 369-378.

Pohl, P., McDowd, J., Filion, D., **Richards, L.**, & Stiers, W. (2006). Implicit learning of a motor skill after mild and moderate stroke. Clinical Rehabilitation, 20, 1-8.

Lai, S., Studenski, S., **Richards, L.**, Perera, S., Reker, D., Rigler, S., & Duncan, P. (2006). Therapeutic Exercise and Depression after Stroke. Journal of the American Geriatrics Society, 54, 240-247.

Latham, N., Jette, D., Slavin, M., **Richards, L.**, Smout, R., & Horn, S. (2005). Physical therapy during stroke rehabilitation for persons with different walking abilities. Archives of Physical Medicine and Rehabilitation, 86, S41-S50..

Richards, L., Latham, N., Jette, D., Smout, R., DeJong, G., Horn, S. (2005). Characterizing Occupational Therapy Practice in Stroke Rehabilitation. Archives of Physical Medicine and Rehabilitation, 86, S51-S60.

Studenski, S., Duncan, P., Perera, S., Reker, D., Lai, S., & Richards, L. (2005). Daily functioning and quality of life in a randomized controlled trial of therapeutic exercise for subacute stroke survivors. Stroke, 36, 1764-1770.

Duncan, P., Studenski, S., Richards, L., Gollub, S., Lai, S., Reker, D., Perera, S., Yates, J., Kock, V., Rigler, S., & Johnson, D. (2003). A randomized clinical trial of therapeutic exercise in sub-acute stroke. Stroke, 34, 2173-2180.

McDowd, J., Filion, D., Pohl, P., **Richards, L.**, & Stiers, W. (2003). Attentional abilities and functional outcomes following stroke. Journals of Gerontology: Psychological Sciences, 58, P45-53.

Schiffman, J., Luchies, C., **Richards, L.**, & Zebas, C. (2002). Effects of age and feedback on isometric knee extensor force control abilities. Journal of Clinical Biomechanics, 17, 486-493.

Luchies, C., Schiffman, J., **Richards, L.**, Thompson, M., Bazoin, D., & DeYoung, A. (2001). Effects of age, step direction, & reaction condition on the ability to step quickly. Journal of Gerontology: Biological and Medical Sciences, 57A, M246-249.

Pohl, P., McDowd, J., Filion, D., **Richards, L.**, & Stiers, W. (2001). Procedural sequence learning after stroke: practice and retention. Physical Therapy, 81, 1780-1789.

Richards, L., Stoker-Yates, J., Pohl, P., Wallace, D., & Duncan, P. (2001). Reliability and validity of two tests of UE motor function post-stroke. Occupational Therapy Journal of Research, 21, 201-219.

Pohl, P., & **Richards, L.** (2000). Stroke rehabilitation: Developing intervention programs and assessing outcomes. Rehabilitation Management 2000, 13 (3), 32-35..

Richards, L., & Pohl, P. (1999). Therapeutic interventions to improve upper extremity recovery and function. Clinics in Geriatric Medicine, 15, 819-832.

Duncan, P., **Richards, L.**, Wallace, D., Stoker-Yates, J., Pohl, P., Luchies, C., Ogle, A., & Studenski, S. (1998). A randomized controlled pilot study of a home-based exercise program for individuals with mild and moderate stroke. Stroke, *29*, 2055-2060.

Pohl, P., & **Richards, L.** (1998). Changes in brain activity with motor learning in humans. Neurology Report, *22*, 79-84.

Richards, L. (1997). Posture effects on grip strength. Archives of Physical Medicine and Rehabilitation, *78*, 1154-1156.

Richards, L., Cate, Y., and Luetke-Stahlman, B. (1997). Carpal calisthenics: How to recognize, treat, and prevent carpal tunnel syndrome. Perspectives, *15(5)*, 14-15.

Richards, L. & Chiarello, C. (1997). Activation without selection: Parallel right hemisphere roles in language and intentional movement. Brain & Language, *57*, 151-178.

Richards, L., & Palmiter-Thomas, P. (1996). Grip strength: A critical review of tools, methods, and clinical utility. Critical Reviews in Physical and Rehabilitation Medicine, *8*, 87-110.

Richards, L., Olson, B., & Palmiter-Thomas, P. (1996). How forearm position affects grip strength. American Journal of Occupational Therapy, *50*, 133-138.

Richards, L. (1995). Providing instruction in independent living and vocational rehabilitation for individuals with head injuries within an entry-level occupational therapy curriculum. Occupational Therapy in Health Care, *9(1)*, 57-70.

Chiarello, C., Maxfield, L., **Richards, L.**, & Kahan, T. (1995). Activation of lexical codes for simultaneously presented words: Modulation by attention and pathway strength. Journal of Experimental Psychology: Human Perception and Performance, *21*, 776-808.

Richards, L., and Chiarello, C. (1995). Depth of associated activation in the cerebral hemispheres: Mediated versus direct priming. Neuropsychologia, *33*, 171-179.

Chiarello, C. & **Richards, L.** (1992). Another look at categorical priming in the cerebral hemispheres. Neuropsychologia, *30*, 381-392.

Chiarello, C., **Richards, L.**, & Pollock, A. (1992) Semantic additivity and semantic inhibition: Dissociable processes in the cerebral hemispheres? Brain and Language, *42*, 52-76.

Richards, L. & Chiarello, C. (1990). Typicality effects in artificial categories: Is there a hemisphere difference? Brain and Language, *39*, 90-106.

Chiarello, C., Burgess, C., **Richards, L.**, & Pollock, A. (1990). Semantic and associative priming in the cerebral hemispheres: Some words do, some words don't...sometimes, some places. Brain and Language, *38*, 75-104.

SELECTED INVITED PRESENTATIONS:

Richards, L. Neuroscience basis and evidence for UE rehabilitation post-stroke. Talk presented at the Annual American Society of Neurorehabilitation Meeting, Cincinnati, OH, June 2007.

Richards, L. Motor Skills and Aging. Presentation at the annual Florida Society

for Neurology, Orlando, FL., December 16, 2006.

Richards, L. Neuroscience basis for UE rehabilitation post-stroke. Presentation at the 2nd annual Neural Perspectives: Acquired Brain Injury Conference 2005, Oklahoma City, OK, September 15th, 2005.

Richards, L. Office ergonomics. Presentation to the Institute of Internal Auditors. Kansas City, MO, May 4, 2000

Richards, L., McDowd, J., Fillion, D., Pohl, P., Stiers, W., Wells, V., & Flax, A. Attention and motor learning post-stroke. Presentation at the Experimental Psychology Proseminar, University of Kansas Department of Psychology, Lawrence, KS, Nov. 5, 1999.

Richards, L. Cognition. Presentation to the 2nd year occupational therapy students at Rockhurst College, Kansas City, Mo., March 24, 1999.

Richards, L. Psychometric properties of 3 measures of upper extremity function. Presentation at the School of Allied Health Research Seminar. Kansas City, KS, May 6, 1998.

Richards, L. Semantic memory access in the two cerebral hemispheres. Presentation at the University of Kansas Medical Center Physical Therapy Education Department's seminar series, Kansas City, December 2, 1996.

Richards, L. Can context limit meaning activation in the right hemisphere? Presentation at the University of Kansas Experimental Psychology Proseminar, Lawrence, KS, November 22, 1996.

Richards, L. Issues in assessment. Presentation at the Occupational Therapy Education Department LOTSS seminar, Kansas City, KS, June 21, 1995.

Richards, L. Praxis in well elders. Presentation at the University of Kansas Medical Center Center on Aging Research Seminar, Kansas City, KS, June 6, 1995.

Richards, L. Sensory, perceptual, and cognitive correlations with praxis in the 'normal' elderly. Presentation at the 1994 Faculty Colloquium, "Cognition and Aging: St. Louis, January 10, 1994.

WORKSHOPS PRESENTED:

Richards, L. Evidence for UE rehabilitation post-stroke. Kansas City, KS, November 4, 2006.

Duncan, P., Giuliani, C., Pohl, P., **Richards, L.**, Richards, C., & Taub, E. Stroke rehabilitation: Developing effective exercise programs and documenting outcomes: Integrating research and practice. Cincinnati, OH, September 18-19, 1998.

Richards, L. Cognition: Models of impairment and intervention approaches. Workshop presented at the annual meeting of the Iowa Occupational Therapy Association, Cedar Rapids, IA, April 18, 1998.

Duncan, P., Giuliani, C., Nudo, R., Pohl, P., **Richards, L.**, Richards, C., & Studenski, S. Stroke rehabilitation: Developing effective exercise programs and documenting outcomes: Integrating research and practice. Las Vegas, January 23-24, 1998.

Richards, L., Foster, K., & Mitchell, B. Brain Injury Seminar: Focus on Behavioral and Cognitive Strategies. Workshop presented, Bivens Center for Physical Medicine and Rehabilitation, Amarillo, TX, October 15, 1994,

Richards, L.. The Cognitive Aspects of Human Behavior: A program for Physical Therapists and Occupational Therapists, Bethany Medical Center, Kansas City, March 19, 1994.

PRESENTATIONS:

Richards, L, Senesac, C, Woodbury, M, Howland, D, Davis, S, Patterson, T. Can Constraint-Induced Movement Therapy Induce Motor Control Improvements in Persons with Ataxia from Stroke? Poster presented at the annual Neural Control of Movement conference. Naples, FL, April 30-May 3, 2008.

Patterson, TS, **Richards, L, Senesac, C, McGuirk, T, Woodbury, M, Howland, D, Davis, S.** Response to Intensive Motor Therapy by Individuals With Ataxia From Stroke. Poster presented at the annual Neuromuscular Plasticity Training Symposium, Gainesville, FL, January 31, 2008.

Richards, L., Senesac, C., Davis, S., Woodbury, M., & Nadeau, S. Gains on upper extremity self-report and performance assessments in stroke rehabilitation depend on different variables. Poster presented at the annual conference of the American Occupational Therapy Association, Long Beach, CA, April 9-13, 2008.

Davis, S, Chiu, Y-P, **Richards, L., Fritz, S.** Quality of life changes by individual domains of the Stroke Impact Scale following Constraint Induced Movement Therapy. Poster presented at the annual Physical Therapy Combined Sections meeting, Nashville, Feb 8, 2008

Richards, LG., Woodbury, ML., McGuirk, TE., Davis, S., Patterson, T., Kautz, S. Relationship of grasp and transport kinematics of a reaching-to-target task before and after functional task practice: A case study. Poster to be presented at the annual Society of Neuroscience conference, San Diego: Nov 6, 2007

Woodbury, ML., **Richards, LG., McGuirk, TE., Davis, S., Senesac, C., Howland, D., Kautz, S.** Effect of intensive massed task-practice with and without trunk restraint on post-stroke upper extremity reaching kinematics and functional ability. Poster to be presented at the annual Society of Neuroscience conference, San Diego: Nov 6, 2007.

McGuirk, T., Woodbury, ML, Kautz, S, **Richards, LG.** A complete description of post-stroke upper extremity 3D kinematics in both proximal and distal joints: a new experimental protocol. Poster to be presented at the annual Society of Neuroscience conference, San Diego: Nov 6, 2007

Chiu, Y-P, Davis, S, **Richards, L., Fritz, K, & Light, K.** Immediate effect of Constraint Induced Movement Therapy on quality of life as measured by specific domains of the Stroke Impact Scale. Poster presented at the annual Conference and Exposition of the American Physical Therapy Association, Denver, CO, June 27-30, 2007.

Richards, L., Senesac, C., Davis, S., & Nadeau, S. Bilateral motor practice does not increase motor function in chronic stroke. Poster presented at the annual International Stroke Conference, San Francisco, February 7, 2007.

Schmid, A., Duncan, P., Studenski, S., Lai, S., **Richards, L., Perera, S., Wu, S.** Increases in post stroke gait velocity improve function and quality of life. Poster

presented at the Annual International Stroke Conference, San Francisco, CA, February, 2007.

Senesac, C., Davis, S., & **Richards, L.** Generalization of repetitive bilateral training in stroke. Poster to be presented at the annual Physical Therapy Combined Sections meeting, Boston, February, 2006.

Giuffrida, C., Levy, C., **Richards, L.**, Davis, S., Llanes, C., Woodbury, M., Arola, S., & Nadeau, S. Impact of Evidenced-Based Behavioral Therapy and Botulinum Toxin Type A on Hand Function in Patients With Stroke. Poster presented at the American Congress of Rehabilitation Medicine, Boston. September 2006.

Davis, SB, Senesac, C, **Richards, LG.** Longitudinal case studies in individuals with chronic stroke: Outcomes of Constraint Induced Movement Therapy followed by bilateral training. Poster presented at the annual Conference and Exposition of the American Physical Therapy Association, Orlando, FL, June 2006.

Richards, L. Davis, S., Gonzalez-Rothi, L., Nadeau, S. Limited dose response to therapist-structured task practice in Constraint-Induced Movement Therapy. Poster presented at the American Occupational Therapy Association annual Conference, Charlotte, NC, April, 2006.

Woodbury, M., Velozo, C., **Richards, L.**, Duncan, P. Using Rasch analysis to generate a "Recovery Map" to Inform the Treatment Planning Process. Poster presented at the American Occupational Therapy Association annual Conference, Charlotte, NC, April, 2006.

Woodbury, M., Velozo, C., **Richards, L.**, Duncan, P. A Fugl-Meyer "Recovery Map" to Inform the Treatment Planning Process. Winning poster presented at the University of Florida College of Health Professions Student Research Day, Gainesville, FL., March 2006.

Davis, S., Behrman, A., **Richards, L.** Constraint Induced Movement Therapy for an Individual Exhibiting Hemiakinesia Post Stroke. Poster presented at the American Physical Therapy Association's Combined Sections Meeting, San Diego, CA, February 3, 2006.

Woodbury, M., Velozo, C., **Richards, L.**, Duncan, P. Examination of the Measurement Properties of the Fugl-Meyer Assessment of Upper Extremity Motor Function. Poster presented at the NCMRR Medical Rehabilitation Research Training Workshop, Washington DC., December 2005.

Richards, L., Horn, S., DeJong, G., Jette, D., Latham, N., Slavin, M., Smout, R., Gassaway, J., & James, R. . Exploring the Overlap in Occupational and Physical Therapy in Stroke Rehabilitation. Poster presented at the International Stroke Conference, New Orleans: FL, Feb 2-5, 2005.

Lai, S., Rigler, S., Perera, S., Studenski, S., Duncan, P., Reker, D., & **Richards, L.** Therapeutic Exercise and Depression after Stroke. Poster presented at the International Stroke Conference, New Orleans: FL, Feb 2-5, 2005.

Davis, S., Senesac, C., **Richards, L.**, Giuffreda, C., Nadeau, S., & Levy, C. Botox as an Intervention for Repeated Constraint-Induced Movement Therapy. Poster presented at the American Physical Therapy Association combined sections meeting, New Orleans, Feb 2005

Levy, C., Giuffreda, C., **Richards, L.**, & Nadeau, S. The effect of botulinum toxin plus behavioral therapy and CIMT on motor function in stroke: a preliminary report.

Poster presented at the Association of Academic Physiatrists, Tuscon, AZ, Feb 24-25, 2005.

Richards, L., Horn, S., DeJong, G., Jette, D., Latham, N., Slavin, M., Smout, R., Gassaway, J., & James, R. Exploring the overlap in Occupational and Physical Therapy in stroke rehabilitation. Poster presented at the International Stroke Conference, New Orleans, LA. February 2005.

Richards, L., Jette, D., Latham, N., Smout, R., Gassaway, J., Slavin, M., & Horn, S. Occupational Therapy in Stroke Rehabilitation Poster to be presented at the annual conference of the American Occupational Therapy Association, Long Beach, CA: May 12-15, 2005.

Woodbury, M., Velozo, C., **Richards, L.**, Duncan, P., Studenski, S., Gollub, S., Lai, S., Reker, D., Perera, S., Yates, J., Kock, V., Rigler, S., Johnson, D. Using the Rasch Measurement Model to examine the Theoretical Foundation of the Fugl-Meyer Upper Extremity Assessment. Poster presented at the annual conference of the American Occupational Therapy Association, Long Beach, CA: May 12-15, 2005.

Guiffreda, C., Levy, C., **Richards, L.**, Nadeau, S., Davis, S. Impact of Evidenced Based Behavioral Therapy and Botulinum Toxin on Hand Function: Stroke population. Poster presented at the annual conference of the American Occupational Therapy Association, Long Beach, CA: May 12-15, 2005.

Schmid, A, Duncan, P., Studenski, S., **Richards, L.**, Lai, S., Reker, D., Perera, S., Wu, S. Changes in Gait Speed After Stroke and the Effect on Participation in ADLs and IADLs. (May 12, 2005) Poster presented at the American Geriatric Society meeting, May 11-15, 2005

Schmid, A., Duncan, P., Studenski, S., **Richards, L.**, Lai, S., Reker, D., Perera, S., Wu, S. Defining clinically meaningful changes of gait speed in a post-stroke therapeutic exercise study at 3 months. Poster presented at the American Congress of Rehabilitative Medicine conference, Ponte Vedra: FL, Sept. 10-12, 2004.

Woodbury, M., Velozo, C., **Richards, L.**, & Duncan, P. Using the Rasch measurement model to examine the ontogeny of post-stroke recovery. Poster presented at the University of Florida College of Public Health & Health Professions's Research Day, April 16, 2004, Gainesville, FL.,

Studenski, S., Duncan, P., Perera, S., Reker, D., Lai, S., **Richards, L.** The effect of a structured progressive therapeutic exercise intervention on functioning and quality of life after stroke. Presented at the annual meeting of the Gerontological Society of America, Nov. 21-25, 2003, San Diego.

Studenski, Duncan, Perera, Reker, Lai, **Richards, L.**, Studenski, S., Duncan, P., Perera, S., **Richards, L.**, Lai, S., Reker, D. The effect of time since stroke on recovery of impairments and functional limitations in an RCT. Presented at the annual meeting of the Gerontological Society of America, Nov. 21-25, 2003, San Diego.

Polhl, P., McDowd, J., Fillion, D., **Richards, L.**, & Stiers, W. Implicit learning one month after mild and moderate stroke. Poster presented at the annual meeting of the Claude D. Pepper Older Americans Independence Centers, April 10, 2003, Durham, NC.

Lai, S., Duncan, P., Perera, S., Reker, D., & **Richards, L.** Profile on impact of depressive symptoms after stroke. Poster presented at the annual Academy of Neurosciences meeting, April 2003, Honolulu.

Schiffman, J., Luchies, C. & **Richards, L.**, and Zebas, C. The effects of age and feedback on isometric knee extensor force control abilities. Poster presented at the IV World Congress of Biomechanics,

Richards, L., Duncan, P., Perera, S., Lai, S., Zahner, L., & Van Culin, V. The clinical significance of Fugl-Meyer Test of Motor Function Upper Extremity Scores. Poster presented at the annual meeting the American Geriatrics Society, Washington, D.C., May 10, 2002.

Richards, L., McDowd, J., Perera, S., & Duncan, P. Performance on neuropsychological assessments of frontal lobe cognitive processes in individuals with stroke. Poster presented at the annual meeting of Claude D. Pepper Centers of Independence of Older Americans, Galveston, TX, Feb. 22-23, 2002.

Duncan, P., Studenski, S., Perera, D., Reker, D., **Richards, L.**, Lai, S., Yates, J., Van Culin, V. Improving recovery after stroke. Poster presented at the annual meeting of the Claude D. Pepper Centers of Independence of Older Americans, Galveston, TX, Feb. 22-23, 2002.

Richards, L., McDowd, J., Filion, D., Pohl, P., & Stiers, W. Attentional abilities and functional outcomes following stroke. Poster presented at the annual Gerontological Society of America conference, Chicago, November 18, 2001.

Richards, L., Duncan, P., Perera, S., Lai, S., Zahner, L., & Van Culin, T. Relationship of scores on the Fugl-Meyer Test of Motor Function and the Stroke Impact Scale. Poster presented at the annual University of Kansas Medical Center Faculty Research Day, Kansas City, KS, November, 2002.

Richards, L., Min-Lai, S., Duncan, P., & Keighly, J. Self-efficacy influences on stroke recovery. Poster presented at the annual KUMC Faculty Research Day, Kansas City, November 3, 2000

Pohl, P., McDowd, J., Filion, D., **Richards, L.**, & Stiers, W. Motor sequence learning following stroke, Poster presented at the annual meeting of the American Physical Therapy Association, New Orleans, February, 2000

McDowd, J., Pohl, P., Filion, D., **Richards, L.**, Stiers, W. Motor sequence learning in stroke survivors: Implicit and explicit indicators. Poster presented at the annual University of Kansas Medical Center Faculty Research day, Kansas City, MO., Nov 11, 1999.

McDowd, J., Filion, D., Pohl, P., **Richards, L.**, & Stiers, W. , Attention and learning following stroke. Poster presented at the American Heart Association's 25th International Stroke Conference, New Orleans, February 10, 2000 national - multiple disciplines represented .

Richards, L., Cate, Y., & Leutke-Stahm, B. The prevalence of carpal tunnel syndrome (CTS) symptoms in sign language interpreters. Paper presented at the annual conference and exposition of the American Occupational Therapy Association, Indianapolis, April 18, 1999.

McDowd, J., Pohl, P., Filion, D., **Richards, L.**, & Stiers, W. Attention and motor learning following stroke. Poster presented at the annual Faculty Research Day, University of Kansas Medical Center, Kansas City, KS, November 13, 1998.

Richards, L. Reliability of two test of upper extremity motor function. Paper presented at the annual conference of the Kansas Occupational Therapy Association, Overland Park, KS, November 7, 1998.

McDowd, J., & **Richards, L.** Cognition in the clinic: The role of information processing in therapeutic outcome (with special attention to aging). Paper presented at the annual Kansas Occupational Therapy Association meeting, Nov. 7, 1998.

Richards, L., Pohl, P., Stoker-Yates, J., Wallace, D., & Duncan, P. Test-retest reliability of three measures of upper extremity motor function in persons with stroke. Poster presented at the annual meeting of the American Geriatrics Society, Seattle, May 9, 1998.

Duncan, P.I, **Richards, L.**, Wallace, D., Stoker-Yates, J., Ogle, A., & Studenski, S. Pilot study: Does intensive physical therapy improve stroke outcomes? Poster presented at the annual meeting of the Gerontological Society of America, Cincinnati, November 15, 1997.

Duncan, P., **Richards, L.**, Wallace, D., Stoker-Yates, J., Pohl, P., Luchies, C., Ogle, A., & Studenski, S. Improving recovery after stroke: A home-based program for individuals with mild and moderate stroke. A pilot study. Poster presented at the University of Kansas Medical Center Faculty Research Day, Kansas City, KS, November, 7, 1997.

Richards, L. Ambiguous word meaning access in context in the cerebral hemispheres. Poster presented at the annual meeting of the Psychonomics Society, Chicago, October 31, 1996.

Richards, L. Does context limit initial ambiguous word meaning access in either hemisphere? - No!! Poster presented at the 1996 American Psychological Society meeting, June 29 - July 2, 1996, San Francisco.

Richards, L. The use of context by the two hemispheres to limit the availability of ambiguous word meanings. Poster presented at the 1996 Midwestern Psychological Association meeting, May 2 - 4, 1996, Chicago.

Richards, L. The role of context in limiting meaning access of ambiguous words in the cerebral hemispheres. Poster presented at the University of Kansas Medical Center Faculty Research Day, November 17, 1995, Kansas City, KS.

Brooks, L., Kelemen, E., Mavec, S., & **Richards, L.** (1995, September). Factors that affect grip strength. Paper presented at the annual conference of the Kansas Occupational Therapy Association, Wichita, KS.

Conover, H., Samyn, K., & **Richards, L.** (1995, September). A new test of kinesthetic ability: Performance of elderly and young adults. Paper presented at the annual conference of the Kansas Occupational Therapy Association, Wichita, KS.

Wolter, L., **Richards, L.**, & Studenski, S. Is position sense conveyed by muscle spindles or joint receptors? Paper presented at the annual meeting of the American Geriatrics Society, May 18-21, 1995, Washington, DC.

Moore, W., & **Richards, L.** Assessing independent living. Paper presented at the University of Kansas Medical Center Occupational Therapy Education Department fall conference *Shopping for New Ideas*, December 3, 1994, Kansas City, KS.

Chiarello, C., Maxfield, L., **Richards, L.**, Kahan, T., & Swann, N. Scope of inhibition: It's a small world after all. Paper presented at the 35th Annual Meeting of the Psychonomic Society, November 12, 1994, St. Louis.

Richards, L., & Olsen, B. How forearm position and handedness affect grip strength. Paper presented at the combined annual conference and exposition of the American Occupational Therapy Association and the Canadian Association of

Occupational Therapists, July 9-13, 1994, Boston.

Chiarello, C., Maxfield, L., **Richards, L.**, & Kahan, T. Activation of multiple codes for simultaneously presented words: Modulation by attention. Paper presented at the 34th annual meeting of The Psychonomic Society, November 6, 1993, Washington, D.C.

Chiarello, C., Maxfield, L., **Richards, L.**, Kahan, T., Hoffman, M., and Stevenson, A. Evidence for center-surround inhibition during ambiguity resolution: Bihemispheric effects. Paper presented at the annual meeting of TENNET (Theoretical and Experimental Neuropsychology), May 1993, Montreal.

Chiarello, C., Maxfield, L., **Richards, L.**, Stevenson, A., Hoffman, M., & Kahan, T. Role of stimulus repetition in positive and negative priming from ignored distractors. Paper presented at the 64th annual meeting of the Eastern Psychological Association, April 1993, Arlington.

Richards, L., & Chiarello, C. The time course of priming for semantic information depends upon amount of feature overlap. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, April 30, 1993.

Richards, L., & Chiarello, C. Time course of priming in the cerebral hemispheres: Dependence upon degree of semantic overlap. Paper presented at the International Neuropsychology Society, Galveston, February 25, 1993.

Chiarello, C., **Richards, L.**, & Maxfield, L. Reversal of meaning suppression for ambiguous words: Time course and laterality effects. Paper presented at the 33rd Annual Meeting of the Psychonomics Society, St. Louis, November 13-15, 1992.

Richards, L., & Chiarello, C. The activation of distantly related information in the cerebral hemispheres. Paper presented at the annual Faculty Research Day University of Kansas Medical Center, Kansas City, November 6, 1992.

Richards, L., Chiarello, C., & Heffernon, A. Distance effects on semantic priming in the cerebral hemispheres: A time course study. Paper presented at the annual meeting of Neuropsychology: Experimental and Theoretical, Montreal, May 22, 1992.

Chiarello, C., Maxfield, L., & **Richards, L.** Negative priming for previously ignored words in the left and right visual fields: a preliminary investigation. Paper presented at the annual meeting of Neuropsychology: Experimental and Theoretical, Montreal, May 22, 1992.

Richards, L., Chiarello, C., & Heffernon, A. Time course of direct and mediated priming in the cerebral hemispheres. Paper presented at the annual meeting of the Eastern Psychological Association, Boston, April 3, 1992.

Maxfield, L., Chiarello, C., & **Richards, L.** Facilitation and interference for simultaneously presented words in the cerebral hemispheres. Paper presented at the annual meeting of the Eastern Psychological Association, Boston, April 3, 1992.

Chiarello, C., Cannon, K., **Richards, L.**, & Maxfield, L. Suppression of irrelevant ambiguous word meanings in the cerebral hemispheres. Paper presented at the 32nd Annual Meeting of the Psychonomic Society, San Francisco, Nov. 23, 1991.

Chiarello, C. & **Richards, L.** Another look at automatic categorical priming in the cerebral hemispheres. Presented at Neuropsychology: Experimental and Theoretical, May 13, 1991, Montreal.

Richards, L. & Chiarello, C. Proactive inhibition in event categories. Presented

at Eastern Psychological Association Annual Meeting, New York, New York, April 13, 1991.

Chiarello, C., **Richards, L.**, & Pollock, A. Meaning activation in the right hemisphere. Presented at the 2nd Annual Neurofest, Syracuse, New York, April 26, 1990.

Chiarello, C., **Richards, L.**, & Pollock, A. Summation of semantic relations in the cerebral hemispheres. Presented at the International Neuropsychological Society 18th Annual Meeting, Orlando, February 17, 1990.

Chiarello, C., Burgess, C., Pollock, A., & **Richards, L.** Time course of semantic and associative priming. Presented at the Psychonomic Society 30th Annual Meeting, Atlanta, November 18, 1989.

Gage¹, L. & Chiarello, C. Categorizing artificial patterns presented to left and right hemispheres. Presented at Neurofest, Syracuse, April, 28, 1989.

Gage¹, L. & Chiarello, C. Typicality effects for classification of dot patterns in the right and left visual fields. Presented at Neuropsychology: Experimental and Theoretical, Niagara Falls, March 17, 1989.

Chiarello, C., Burgess, C., **Gage¹, L.**, & Pollock, A. Semantic priming without association: A right hemisphere process? Presented at the Psychonomic Society 29th Annual Meeting, Chicago, November 11, 1988.

Chiarello, C., Pollock, A., & **Gage¹, L.** Response variables and lexical decision asymmetries. Presented at the International Neuropsychological Society 16th Annual Meeting, New Orleans, January, 28, 1988.

¹ Maiden name.