

CURRICULUM VITAE

Catherine F. H. Siengsukon

Date of Preparation: November 2008

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Physical Therapy and Rehabilitation Science
University of Kansas Medical Center

Education

Univ. Kansas Medical Center, Kansas City, KS	2005-2008	Rehab Science	PhD	2008
Rockhurst University, Kansas City, MO	1999-2002	Physical Therapy	MSPT	2002
Rockhurst University, Kansas City, MO	1996-2000	Biology	BS	2000

Licensure Information

Physical Therapist, State of Missouri, #2002021164, 2002-present
Physical Therapist, State of Kansas, #5003333, 2002-present

Employment and Positions Held

Research Assistant Professor, Univ. Kansas Medical Center, Kansas City, KS	June 2008-present
Adjunct Faculty, Rockhurst University, Kansas City, MO	June 2008-July 2008
Graduate Research Assistant, Univ Kansas Medical Center, Kansas City, KS	Jan 2005-May 2008
Physical Therapist, Professional Rehabilitation Services, Kansas City, KS	May 2004-June 2008
Physical Therapist, Baptist-Lutheran Medical Center, Kansas City, MO	Sept 2002-April 2004

Peer Reviewed Publications

Siengsukon, C.F. & Boyd, L.A. (in press) Sleep enhances off-line spatial and temporal motor learning after stroke. *Neurorehabilitation and Neural Repair*.

Siengsukon, C.F. & Boyd, L.A.. (2008). Sleep enhances implicit motor skill learning in individuals post-stroke. *Topics in Stroke Rehabilitation*, 15(1), 1-12.

Boyd, L.A., Vidoni, E.D., & **Siengsukon C.F.** (2008). Multidimensional motor sequence learning is impaired in older but not younger or middle aged adults. *Journal of Physical Therapy*, 88(3), 351-362.

Peer Reviewed Scientific and Professional Presentations

(Abstracts not published)

Sleep enhances motor skill memory consolidation in individuals post-stroke. **Siengsukon, C.F.** & Boyd, L.A. Society for Neuroscience Annual Meeting, Washington, DC, poster presentation, 2008.

Sleep enhances motor skill learning and memory Consolidation in individuals post-stroke.

Siengsukon, C.F. & Boyd, L.A. Graduate Research Forum at the Capitol, Topeka, KS, poster presentation, March 2008.

Sleep enhances motor skill learning and memory consolidation in individuals post-stroke. Poster presentation. **Siengsukon, C.F.** & Boyd, L.A. American Physical Therapy Combined Sections Meeting, Nashville, TN, 2008.

The cost of doing two things at once after stroke: deficits in ambulation, hand movements and speech. Thematic poster. Pohl, P.S., Kemper, S., Boyd, L. **Siengsukon, C.F.**, Herman, R.E. & Vidoni, E. American Physical Therapy Combined Sections Meeting, Nashville, TN, 2008.

The role of sleep and instruction in motor memory consolidation following stroke. Poster presentation. **Siengsukon, C.F.** & Boyd, L.A. Society for Neuroscience Annual Meeting, San Diego, CA, , 2007.

Middle cerebral artery stroke impairs transfer for learning for complex but not simple motor sequences. Platform presentation. Boyd, L.A., Vidoni, E.D. & **Siengsukon, C.** American Physical Therapy Combined Sections Meeting, Boston, MA, 2007.

The role of sleep and knowledge in motor skill learning. Platform presentation. **Siengsukon, C.F.** & Boyd, L.A. American Physical Therapy Combined Sections Meeting, Boston, MA, 2007.

Peer Reviewed Abstracts

Siengsukon, C.F. & Boyd, L.A.. (2007). Sleep enhances motor skill memory consolidation in individuals post-stroke. *Journal of Neurologic Physical Therapy*. 31(4): 218.

Pohl, P.S., Kemper, S., Boyd L, **Siengsukon, C.F.**, Herman RE, & Vidoni E. (2007) The cost of doing two things at once after stroke: deficits in ambulation, hand movements and speech. *Journal of Neurologic Physical Therapy*. 31(4): 218.

Siengsukon, C.F. & Boyd, L.A.. (2007). The role of sleep and instruction in motor memory consolidation following stroke. Society for Neuroscience Abstracts.

Boyd, L.A., Vidoni, E.D. & **Siengsukon, C.** (2007). Middle cerebral artery stroke impairs transfer for learning for complex but not simple motor sequences. *Journal of Neurologic Physical Therapy*, 30(4), 203-204.

Siengsukon, C.F. & Boyd, L.A.. (2006). The role of sleep and knowledge in motor skill learning. *Journal of Neurologic Physical Therapy*. 30(4): 204.

Non-Peer Reviewed Presentations

Sleep enhances off-line spatial and temporal motor learning after stroke. Poster presentation. Faculty Research Day. KUMC. November 2008.

Sleep enhances off-line spatial and temporal motor learning after stroke. Poster presentation. Allied Health Professions Day. KUMC. November 2008.

Sleep enhances motor skill learning and memory consolidation in individuals post-stroke. Poster presentation. Graduate Research Forum at the Capitol, Topeka, KS, March 2008.

The role of sleep in learning. American Stroke Foundation, Mission, KS, August 2007.

The role of sleep in learning. North Kansas City stroke support meeting, North Kansas City, MO, June 2007.

Recovery after stroke: the plastic brain. North Kansas City Stroke Support meeting, North Kansas City, MO, March 2007.

The role of sleep in learning. The Rehabilitation Institute, Kansas City, MO, March 2007.

How does sleep affect motor skill learning following stroke? American Stroke Foundation, Overland Park, KS, September 2005.

**Funded Grant Activity
(completed)**

PI: **Siengsukon, C.F.**

\$15,000

“Examination of role of sleep in off-line motor learning following stroke”

Promotion of Doctoral Studies (PODS) II scholarship from the Foundation for Physical Therapy; June 2007 - August 2008

PI: **Siengsukon, C.F.** \$7500

“Examination of role of sleep in off-line motor learning following stroke”

Promotion of Doctoral Studies (PODS) I scholarship from the Foundation for Physical Therapy; June 2006 - August 2007

Membership in Scientific/Professional Organizations

1. Member of American Physical Therapy Association, 2001- present
2. Member of Neurology Section of the American Physical Therapy Association, 2006-present
3. Member of Society for Neuroscience, 2006-present

Consultative and Advisory Positions Held

Reviewer, Neuroscience textbook under development for DPT curriculum for Prentice Hall, September 2008

Manuscript Reviewer, *Journal of Neurologic Physical Therapy*, August 2008 - present

Services to the University on Committees/Councils/Commissions

School of Allied Health

Department of Physical Therapy and Rehabilitation Science

Advisor to Student Physical Therapy Organization (SPTO), August 2008 - present

Member of post-professional DPT admissions committee, July 2008 - present

Physical Therapist for Telemedicine Clinic servicing rural Kansas town, August 2008 - present

JacDoc pro bono clinic, Faculty Mentor, 2008 – present

Honors and Awards

Defended dissertation with honors, University of Kansas Medical Center, April 9, 2008

Recipient of Promotion of Doctoral Studies (PODS) II scholarship, Foundation for Physical Therapy, June 2007

Completed comprehensive exam with honors, University of Kansas Medical Center, October 16, 2006

Recipient of Promotion of Doctoral Studies (PODS) I scholarship, Foundation for Physical Therapy, June 2006

Student Research Forum Award for School of Allied Health, University of Kansas Medical Center, April 6, 2006

Continuing Education

Society for Neuroscience Meeting. Washington DC. Nov 2008

Combined Sections Meeting of the APTA. Boston, MA. Feb 2007

Society for Neuroscience Meeting. San Diego, CA. Nov 2007

World Confederation for Physical Therapy International Congress. Vancouver, Canada. 2007

Combined Sections Meeting of the APTA. Nashville, TN. 2008

KU Teaching Summit. University of Kansas, Lawrence, KS. August 2008

Current Teaching Responsibilities in Entry-Level Program

Semester 2	PTRS 880	Differential Diagnosis of the General Medical Condition	Co-Coordinator
Semester 4	PTRS 850	Neuroscience	Course Coordinator
Semester 6	PTRS 832	Health Promotion Through the Lifespan	Guest Lecturer
Semester 7	PTRS 853	Neurologic PT II	Guest Lecturer