

Name Vimonwan Hiengkaew
Position Associate Professor
Office Faculty of Physical Therapy, Mahidol University
999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon, Nakhon Pathom 73170,
Thailand
Tel: +662 441-5450, Fax: +662 441-5454
E-mail vimonwan.hie@mahidol.ac.th

GRADUATION

DEGREE	YEAR	INSTITUTION	COUNTRY
PhD	1997-2000	University of Leeds	United Kingdom
MSc (Physiology)	1991-1993	Mahidol University	Thailand
BSc (Physiotherapy)	1986-1990	Mahidol University	Thailand

RESEARCH INTERESTS

- Postural control and balance
- Physical therapy in stroke
- Physical therapy in the elderly

PAPER PUBLICATIONS (5 years backward)

- Kraiwong R, Vongsirinavarat M, Hiengkaew V, Heideken Wågert P. Effect of sensory impairment on balance performance and lower limb muscle strength in older adults with type 2 diabetes. *Ann Rehabil Med*. In Press.
- Suttiwong J, Vongsirinavarat M, Hiengkaew V. Predictors of community participation among individuals with first stroke: a Thailand study. *Ann Rehabil Med*. 2018; 42(5): 660-669 doi:<https://doi.org/10.5535/arm.2018.42.5.660>.
- Htut TZC, Hiengkaew V, Jalayondeja C, Vongsirinavarat M. Effects of physical, virtual reality-based, and brain exercise on physical, cognition, and preference in older persons: a randomized controlled trial. *Eur Rev Aging Phys Act*. 2018 Oct 2;15:10. doi: 10.1186/s11556-018-0199-5.
- Klomjai W, Aneksan B, Pheungphrarattanatrai A, Chantanachai T, Choowong N, Bunleukhet S, Auvichayapat P, Nilanon Y, Hiengkaew V. Effect of Single-session Dual-tDCS before Physical Therapy on Lower-limb Performance in Sub-acute Stroke Patients: A

- Randomized Sham-controlled Crossover Study. *Ann Phys Rehabil Med* 2018;61(5):286-291. doi: 10.1016/j.rehab.2018.04.005.
- Moe TT, Jalayondeja C, Pichaiyongwongdee S, Tretriluxana J, Hiengkaew V. Oxygen consumption of 30 task-oriented exercise for walking training in stroke. *J Med Assoc Thai* 2018;101:1-
- Vongsirinavarat M, Hiengkaew V. Predictors of the Functional Abilities in Individuals with Stroke after Home Physical Therapy Program. *J Med Assoc Thai* 2016; 99(10): 1147-1152.
- Supradist W, Hiengkaew V, Jalayondeja C. Association of Fugl-Mayer Assessment, Barthel Index, Stroke Impact scale in individuals with chronic stroke living in community. *Naresuan University Journal: Science and Technology* 2016; 24(2): 80-87.
- Hiengkaew V, Vongsirinavarat M. Home-Based Physical Therapy for Individuals with Stroke in Thailand. *Home Health Care Manag Pract* 2016 DOI: 10.1177/1084822316630278.
- Thiengtham S, Somboontanont W, Leelahakul V, Hiengkaew V. Physical activity, nutritional status and depression related to sarcopenia in community dwelling older adults. *Journal Nursing Science & Health* 2015; 38(4): 1-10.
- Phueng-Phrarattanatrai A, Bovonsunthonchai S, Hiengkaew V, Prayoonwiwat P, Chotikanuchit S. Improvement of gait symmetry in patients with stroke by motor imagery. *J Med Assoc Thai* 2015; 98 (suppl 5): S113-S118.
- Hiengkaew V, Saengrueangrob S, Cheawthamai K. A pilot study of a 12-week leg exercise and a 6-and 12-month follow-up in community-dwelling diabetic elders: Effect on dynamic standing balance. *J Med Assoc Thai* 2015; 98 (suppl 5): S60-S67.
- Bovonsunthonchai S, Hiengkaew V, Vachalathiti R. Temporospatial analysis: Gait characteristics of young adults and the elderly in turning while walking. *Int J Ther Rehabil* 2015; 22(3):1290134.
- Cheawthamai K, Vongsirinavarat M, Hiengkaew V, Saengrueangrob S. A comparison of home-based exercise programs with and without self-manual therapy in individuals with knee osteoarthritis in community. *J Med Assoc* 2014; 97(suppl 7):S95-S100.
- Runnarong N, Tretriluxana J, Hiengkaew V, Vachalathiti R. Reach-to grasp co-ordination in the paretic limbs of individuals with stroke: Insight from a barrier paradigm. *J Med Assoc* 2014; 97(suppl 7):S84-S88.
- Hiengkaew V, Panichaporn W, Thanungkul S. Postural balance, visual verticality perception, and its association in individuals with and without neck pain. *J Med Assoc* 2014; 97(suppl 7):S70-S74.

Vongsirinavarat M, Hiengkaew V. Factors determining functional ability of individuals with stroke in community. *J Med Assoc* 2014; 97(suppl 7):S60-S64.

Tretriluxana J, Kacharoen S, Hiengkaew V, Prayoonwiwat P. Learning of the bimanual cup-stacking task in individuals with chronic stroke improved with dyad training protocol. *J Med Assoc* 2014; 97(suppl 7):S39-S44.

Hiengkaew V, Vongsirinavarat M. Weight and body mass index in men and age and height in women relate to difficulty and ability in performing activities in community-living Thai elders. *J Med Assoc* 2014; 97(suppl 7):S26-S32.