

## **Curriculum Vitae** (Updated 05/01/2024)

**Name** Wanalee Klomjai  
**Position** Associate professor  
**Work** Faculty of Physical Therapy, Mahidol University  
999 Phuttamonthon 4 Road, Salaya, Nakhon Pathom 73170, THAILAND  
**E-mail address** wanalee.klo@mahidol.edu

### **Education**

- 2011-2014 Ph.D. (Neuroscience), Graduate School of Brain, Behaviour & Cognition (3C) Paris-Sorbonne University (University of Pierre and Marie Curie -Paris 6), Paris, France.
- 2009-2011 M.Sc. (Re-education and Medical Engineering), Major in Re-education, Re-adaptation and Rehabilitation, Paris-Sorbonne University (University of Pierre and Marie Curie -Paris 6), Paris, France.
- 2004-2008 B.Sc. (Physiotherapy), Mahidol University, Bangkok, Thailand.

### **Positions & Working Experiences**

- 2022-Present Associate professor, Faculty of Physical Therapy, Mahidol University, Thailand
- 2018-2022 Assistant professor, Faculty of Physical Therapy, Mahidol University, Thailand
- 2014-2018 Lecturer, Faculty of Physical Therapy, Mahidol University, Thailand
- 2014-Present Physical Therapist, Acute Stroke Unit, Siriraj hospital, Bangkok, Thailand
- 2015-Present Physical Therapist, Vestibular rehabilitation Clinic, ENT, Siriraj hospital, Bangkok, Thailand

### **Awards & Funding**

- 2023-2025 Grant from Faculty of Physical Therapy, Mahidol University for the research project titled “Tele-rehabilitation using transcranial direct current stimulation combined with exercise in people with spinal cord injury”
- 2023-2024 Grant from the Program Management Unit for Human Resources & Institutional Development, Research and Innovation (PMU-B) for the research project titled “Researcher development program for transcranial direct current stimulation via telerehabilitation in individuals with neurological deficits”
- 2020-2022 Grant from the Franco-Thai Mobility Program/PHC Siam (Thai and French governments research funding) for the research project titled “Combining brain and spinal cord imaging with electrophysiological investigations to evaluate effects induced by non-invasive brain stimulation (NIBS) in stroke patients”
- 2020-2021 Grant from the Program Management Unit for Human Resources & Institutional Development, Research and Innovation (PMU-B) for the research project titled “Hemodynamic response to transcranial direct current stimulation in acute stroke”
- 2018-2019 Grant from the National Research Council of Thailand (government research funding) for the research project titled “Hemodynamic response to transcranial direct current stimulation in acute stroke”
- 2017-2018 Grant for New Researcher from Mahidol University for the research titled “The efficacy of cathodal transcranial direct current stimulation in children and adolescents with attention-deficit hyperactivity disorder.”
- 2015-2016 Grant for New Researcher from Faculty of Physical Therapy, Mahidol University for the research project titled “Dual-hemisphere transcranial direct current stimulation on lower limb motor functions after stroke.”
- 2011-2014 French Embassy Scholarship (Franco-Thai) for Ph.D. study.

### **Publications (late 5 years)**

1. Vimolratana O, Aneksan B, Siripornpanich V, Hiengkaew V, Prathum T, Jeungprasopsuk W, Khaokhiew R, Vachalathiti R, **Klomjai W**. Effects of anodal tDCS on resting state eeg power and motor function in acute stroke: a randomized controlled trial. Journal of NeuroEngineering and Rehabilitation. 2024 Jan 3;21(1):6.
2. Klamruen P, Suttiwong J, Aneksan B, Muangngoen M, Denduang C, **Klomjai W**. Effects of anodal transcranial direct current stimulation with overground gait training on lower limb performance in

- individuals with incomplete spinal cord injury: A randomized controlled trial. *Arch Phys Med Rehabil.* 2023 Nov 3;S0003-9993(23)00606-8.
3. Vimolratana O, Lackmy-Vallee A, Aneksan B, Hiengkaew V, **Klomjai W**. Non-linear dose response effect of cathodal transcranial direct current stimulation on muscle strength in young healthy adults: a randomized controlled study. *BMC Sports Science, Medicine and Rehabilitation.* 2023 Jan 30;15(1):10.
  4. **Klomjai W**, Aneksan B, Chotik-Anuchit S, Jitkaew P, Chaichanudomsuk K, Piriyaprasarth P, et al. Effects of Different Montages of Transcranial Direct Current Stimulation on Haemodynamic Responses and Motor Performance in Acute Stroke: A Randomized Controlled Trial. *J Rehabil Med.* 2022 Sep 13;54:jrm00331.
  5. **Klomjai W**, Aneksan B. A randomized sham-controlled trial on the effects of dual-tDCS “during” physical therapy on lower limb performance in sub-acute stroke and a comparison to the previous study using a “before” stimulation protocol. *BMC Sports Science, Medicine and Rehabilitation.* 2022 Apr 15;14(1):68.
  6. **Klomjai W**, Siripornpanich V, Aneksan B, Vimolratana O, Permpoonputtana K, Tretriluxana J, et al. Effects of cathodal transcranial direct current stimulation on inhibitory and attention control in children and adolescents with attention-deficit hyperactivity disorder: A pilot randomized sham-controlled crossover study. *J. Psychiatr. Res* 2022;doi:<https://doi.org/10.1016/j.jpsychires.2022.02.032>:
  7. **Klomjai W**, Giron A, Mounir el mendili M, Aymard C, Pradat-diehl P, Roche N, Katz R, Bayen E, Lackmy-Vallee A. Anodal tDCS of contralesional hemisphere modulates ipsilateral control of spinal motor networks targeting the paretic arm post-stroke. *Clin Neurophysiol* 2022;136:doi:<https://doi.org/10.1016/j.clinph.2021.12.016>:1–12.
  8. Aneksan B, Sawatdipan M, Bovonsunthonchai S, Tretriluxana J, Vachalathiti R, Auvichayapat P, Pheungphrarattanatrai A, Piriyaprasarth P, **Klomjai W**. Five-session dual-transcranial direct current stimulation with task-specific training does not improve gait and lower limb performance over training alone in sub acute stroke: A pilot randomized controlled trial. *Neuromodulation: Technology at the Neural Interface* 2021;doi:<https://doi.org/10.1111/ner.13526>:
  9. **Klomjai W**, Aneksan B. Transcranial direct current stimulation in individuals with stroke. *Journal of Thai Stroke Society.* 2021 Aug 24;20(2):16–16.
  10. Prathum T, Piriyaprasarth P, Aneksan B, Hiengkaew V, Pankhaew T, Vachalathiti R, **Klomjai W**. Effects of home-based dual-hemispheric transcranial direct current stimulation combined with exercise on upper and lower limb motor performance in patients with chronic stroke. *Disability and Rehabilitation.* 2021 Feb 28;0(0):1–12.
  11. Auvichayapat N, Patjanasootorn N, Phuttharak W, Suphakunpinyo C, Keeratitanont K, Tunkammerdthai O, Aneksan B, **Klomjai W**, Boonphongsathian W, Sinkueakunkit A, Punjaruk W, Tiamkao S and Auvichayapat P. Brain Metabolite Changes After Anodal Transcranial Direct Current Stimulation in Autism Spectrum Disorder. *Front. Mol. Neurosci.* 2020; doi: 10.3389/fnmol.2020.00070