

## Curriculum Vitae



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### Education

2009	PhD (Physical Therapy), Mahidol University, Thailand
1998	MSc (Physiotherapy), Mahidol University, Thailand
1995	BSc (Physiotherapy), Mahidol University, Thailand

### Research Scholarship

2012	Research scholarship from Huachiew Chalermprakiet University
2010	Research presentation Grant from Physical Therapy Association of Thailand
2005	PhD scholarship from Huachiew Chalermprakiet University
1996	Master's degree scholarship

### Professional Memberships

2004 – present	Member of Physical Therapy Council of Thailand
2009 – present	Member of Physical Therapy Association of Thailand

### Area of interest

Physical therapy in cardiopulmonary system

Clinical practice in cardiopulmonary system

Evaluation procedure for physical therapy

### Experience

1995-1998	Physical Therapist (freelance)
1999 –2001	Physical Therapist (part time), Ladprao General Hospital, Bangkok, Thailand
1999 –2014	Volunteer Physical Therapist, The Asthma foundation of Thailand & Asthma club
1998 - present	Lecturer, Faculty of Physical Therapy I Huachiew Chalermprakiet University

### Publications

1. **Woravutrangkul S**, Chukijrungrat N. Impacts of Post-COVID-19 on common symptoms, functional capacity, pulmonary function and quality of life following 6 months after infection in young adult. Journal of health science of Thailand 2024;33 (2):199-207
2. Prajongjai V, **Woravutrangkul S**, Pongsiri T, Charoenpanich N. The analysis of force transfer between feet during backhand short serve in Elite badminton players. Int. J. Hum. Mov. Sports Sci.2021; 9(5):1011-1028.
3. **Woravutrangkul S**, Charoenpanich N. Two-minute walk test and the first 2 minutes of the 6-minute walk test in healthy adults aged 20 - 60 years. Christian University Journal 2021; 27(3): 45-54.

4. Charoenpanich N, **Woravutrangkul S**, Benjanarasut D, Pongsiri T. Postural analysis of track swimming start during flight phase. *Journal of sports sciences and health* 2021; 22(2):172-184.
5. Leeyang P, **Woravutrangkul S**, Charoenpanich N. Kinematic analysis of underwater undulatory swimming phase after a track start. *Journal of sports sciences and health* 2020; 21(1):83-95.
6. Leepaireewes N, Phuakkhong D, Visuttipun P, **Woravutrangkul S**. Proceeding of Development of auditory feedback insole to respond to the weight distribution during walking in order to improve gait balancing in Thai elderly. 50<sup>th</sup> TSU anniversary: Research and innovation for sustainability development. 9-10 May 2019. pp 402-410.
7. Wirunrattanakij Y, **Woravutrangkul S**. Comparison the efficacy of diclofenac phonophoresis and ultrasound therapy on pressure pain threshold in healthy volunteer. *JMTPT* 2016;28(1):60-68.
8. **Woravutrangkul S**, Wirunrattanakij Y. The immediate effects of respiratory muscle stretching on chest expansion pulmonary function and respiratory muscle strength in healthy individuals. *HCU journal* 2015;18(36):131- 42.
9. **Woravutrangkul S**. Update of Guideline of Pulmonary Rehabilitation. *APHEIT journal* 2012; 18 (1):159-69.
10. **Woravutrangkul S**, Jarungjitaree S, Sritara C, Vachalathiti R, Chuaychoo B. Efficacy of pursed lips breathing with forced expiration techniques and active cycle of breathing technique on pulmonary mucus clearance in healthy subjects. *J. Phys. Ther. Sci* 2010; 22:247-254.
11. Chewachutirungruang D, Rojanavanichkit W, Chinvattanachai K, Titathasiri N, **Woravutrangkul S**, Promkiamon B, Charoenratanakul S. Effects of home pulmonary rehabilitation in patients with chronic airway disease: a preliminary study. *Thai J Tuberc Chest Dis* 2000; 21:161-171.

12. **Woravutrangkul S**, Chewachutirungruang D, Rojanavanichkit W, Chinvattanachai K, Titathasiri N. Guideline of pulmonary rehabilitation in chronic obstructive pulmonary patients. HCU journal 2000;4(7): 57-66.
13. **Woravutrangkul S**. Respiratory muscle training. Thai Journal of Physical Therapy 2000;22 (2):133-42.
14. **Woravutrangkul S**. Proceeding of Effects of chest physiotherapy with and without inspiratory muscle training in moderate risk patients undergoing upper abdominal surgery. Siriraj scientific congress 1999. 11th, March 1999.

#### Oral presentation

1. 11<sup>th</sup> International Congress of the Asian Confederation for Physical Therapy (ACPT), Bali, Indonesia. Oral presentation: Effects of pursed lips breathing with forced expiration techniques and active cycle of breathing technique on airway clearance in chronic obstructive pulmonary disease patients. 11<sup>th</sup>, October 2010.
2. Annual conference 2000 of The Royal College of Physician of Thailand (RCPT). Oral presentation: Effects of home pulmonary rehabilitation in patients with chronic airway disease: a preliminary study. 20<sup>th</sup>, April 2000.
3. Siriraj scientific congress 1999. Oral presentation: Effects of chest physiotherapy with and without inspiratory muscle training in moderate risk patients undergoing upper abdominal surgery. 11<sup>th</sup>, March 1999.

