

## CURRICULUM VITAE

CHAMNONGKICH, Samatchai

### PERSONAL DATA:

---

Academic position: Associate Professor  
Address: Department of Physical Therapy, Faculty of Associated Medical Sciences  
Chiang Mai University, Chiang Mai, Thailand 50200  
Telephone Office: 66-53-94 9241  
Telephone Mobile: 66-62-961 5426  
Email address: samatchai.c@cmu.ac.th

### RESEARCH INTERESTS:

---

- Advanced physical therapy management in patients with neuromusculoskeletal related problems
- Evaluation of sports biomechanics using motion analysis system

### EDUCATION:

---

Ph.D. (Exercise Science)	University of Georgia, Athens, GA, USA	2004
M.S. (Physical Therapy)	Georgia State University, Atlanta, GA, USA	1999
B.S. (Physical Therapy)	Chiang Mai University, Chiang Mai, Thailand	1994

### PROFESSIONAL EXPERIENCE :

---

Associate Professor	Department of Physical Therapy, Chiang Mai University, Chiang Mai, Thailand	June 2015 - present
Assistant Professor	Department of Physical Therapy, Chiang Mai University, Chiang Mai, Thailand	September 2006 – June 2015
Instructor	Department of Physical Therapy, Chiang Mai University, Chiang Mai, Thailand	June 1997 - September 2006
Research Assistant	University of Georgia, Athens, GA, USA	January 2003 - May 2004
Research Assistant	Georgia State University, Atlanta, GA, USA	August 1998 - May 1999
Physical Therapist	Lanna Hospital, Chiang Mai, Thailand	June 1994 - May 1997

## **PUBLISHED ARTICLES:**

---

1. Thongchoomsin S, Bovonsunthonchai S, Joseph L, **Chamnongkich S**. Clinimetric properties of the one-leg sit-to-stand test in examining unilateral lower limb muscle strength among young adults. *Int J Clin Pract*. 2020;74:e13556.
2. Ooneklabh K, Leelarungrayub J, **Chamnongkich S**. Preliminary study on work-related musculoskeletal disorder and ergonomic implementation program among wood carvers in Chiang Mai province, Thailand. *GJPR*. 2020:1-16. doi: 10.36811/gjpr.2020.110005.
3. Joseph L, Paungmali A, Silitertpisan P, Pirunsan U, **Chamnongkich S**. Effects of multimodal intervention program among elite weightlifters with knee pain. *Asian J Sports Med*. 2020;1(1):e95220. doi: 10.5812/asjasm.95220.
4. Thongchoomsin S, Bovonsunthonchai S, **Chamnongkich S**. Biomechanical differences between sit-to-stand performances using one leg and two legs in young adults. *J Assoc Med Sci*. 2019;53(1):29-36.
5. Sukumpee T, Theera-Umpon N, **Chamnongkich S**, Auephanwiriyaikul S. Kinematic-based knee angle correction for gait analysis using single kinect sensor. 8th IEEE International Conference on Control System, Computing and Engineering (ICCSCE). 2018:212-6.
6. Jankaew A, Silitertpisan P, **Chamnongkich S**. Effect of knee orthosis on walking performance in individuals with knee osteoarthritis. *J Assoc Med Sci* 2017;50:479-89.
7. Somchart W, **Chamnongkich S**, Pratanaphon S. Effects of aqua brisk walking and cycling on risk factors of metabolic syndrome and physical fitness in obese adults. *J Med Tech Phy Ther* 2015;27:68-78.
8. Srisukjareon B, **Chamnongkich S**, Pratanaphon S. Comparisons of Static and Dynamic Balance between Hockey Athletes with and without Ankle Injury. *J Sports Sci Tech* 2015;15:191-201.
9. Tapanya W, **Chamnongkich S**. Relationship between lower limb muscle strength and single-leg sit-to-stand performance in young adults. *Bull Chiang Mai Assoc Med Sci* 2014;47:133-42.
10. **Chamnongkich S**, Pratanaphon S . Measurement of trunk stability during the Timed Up and Go Test in elderly women using an accelerometer .*Songkla Med J* 2014;32:23-33.
11. Pruksakorn D, Tirangkura P, Luevitoonvechkij S, **Chamnongkich S**, Sugandhavesa N, Leerapun T, Pothacharoen P. Changes in the serum cartilage biomarker levels of healthy adults in response to an uphill walk. *Singapore Med J* 2013;54:702-8.
12. **Chamnongkich S**, Wongsaya E, Pratanaphon S. Trunk Displacement during the sit-to-stand test in young adults. *Bull Chiang Mai Assoc Med Sci* 2013;46:131-40.
13. **Chamnongkich S**, Tansenee J. Gait adjustment during treadmill walking of overweight middle-aged women. *Thai J Phys Ther* 2013;35:34-45.
14. **Chamnongkich S**, Asayama I, Kinsey TL, Mahoney OM, Simpson KJ. Difference in hip prosthesis femoral offset affects hip abductor strength and gait characteristics during obstacle crossing. *Orthop Clin North Am* 2012;43:e48-58.
15. Wongsaya E, **Chamnongkich S**. Validation of a one-leg sit-to-stand test for the measurement of knee extensor muscle strength and endurance in young adults. *Bull Chiang Mai Assoc Med Sci* 2012;45:45-51.
16. Promsri A, **Chamnongkich S**. Comparison of gait parameters between elderly women with and without balance impairment during walking over obstacle. *Bull Chiang Mai Assoc Med Sci* 2010;43:39-50.

17. Kolsil C, **Chamnongkich S**. Isokinetic peak torque and hamstrings to quadriceps strength ratio in badminton players. *J Sports Sci Tech* 2010;10:73-84.
18. Wang H, Simpson KJ, **Chamnongkich S**, Kinsey T, Mahoney OM. Biomechanical influence of TKA designs with varying radii on bilateral TKA patients during sit-to-stand. *Dyn Med*. 2008; 13;7:12.
19. Pratanaphon S, **Chamnongkich S**, Hensangvilai K. The development of prediction equations for BMI and fat mass from simple anthropometry in 6-to-8 year old children. *Chiang Mai Med Bull* 2007;46:31-8.
20. **Chamnongkich S**. Types of knee prosthesis and knee function after total knee arthroplasty. *Bull Chiang Mai Assoc Med Sci* 2006;39:2-9.
21. Wang H, Simpson KJ, Ferrara MS, **Chamnongkich S**, Kinsey T, Mahoney OM. Biomechanical differences exhibited during sit-to-stand between total knee arthroplasty designs of varying radii. *J Arthroplasty* 2006;21:1193-9.
22. Thibordee S, **Chamnongkich S**. Kinematic comparisons of 110-m hurdling between high-level and amateur-level male hurdlers. *J Sports Sci Tech* 2006;6:1-16.
23. Pratanaphon S, Pun-Ai N, **Chamnongkich S**. Acute effect of children and family based intervention in treating childhood obesity. *Chiang Mai Med Bull* 2006;45:151-9.
24. Asayama I, **Chamnongkich S**, Simpson KJ, Kinsey TL, Mahoney OM. Reconstructed hip joint position and abductor muscle strength after total hip arthroplasty. *J Arthroplasty* 2005;20:414-20.
25. Wang H, Simpson KJ, **Chamnongkich S**, Kinsey T, Mahoney OM. A biomechanical comparison between the single-axis and multi-axis total knee arthroplasty systems for the stand-to-sit movement. *Clin Biomech (Bristol, Avon)* 2005;20:428-33.

#### **BOOKS:**

---

Handbook for postoperative knee arthroplasty. Thai Physical Therapy Association. Samarn Printing 2003 Ltd: Bangkok; 2015.

Chamnongkich S. Measurement in Physical Therapy: Essential Concepts and Applications. Chiang Mai: Siam Nana Printing; 2014.