CURRICULUM VITAE

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PERSONAL DATA:

Academic position:	Associate Professor
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RESEARCH INTERESTS:

- Advanced physical therapy management in patients with neuromusculoskeletal related problems
- Evaluation of sports biomechanics and physical performance

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

WORK HISTORY:

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. Yodthee T, Sitilertpisan P, Paungmali A, Sriburee S, **Chamnongkich S**, Jankaew A, Quiggins R, Lin CF. Reliability of transversus abdominis and gluteus medius muscle thickness measurements using ultrasound imaging in chronic non-specific low back pain individuals. Sci Rep. 2026 Jul 2. doi: 10.1038/s41598-026-59099-1.
2. Sitilertpisan P, Paungmali A, Soontornthip J, **Chamnongkich S**, Sriburee S, Jankaew A. Activation ratio of transversus abdominis and internal oblique muscles during standing and single-leg standing in healthy adults. J Back Musculoskelet Rehabil. 2026 Mar 25:10538127261435311. doi: 10.1177/10538127261435311.
3. Yodthee T, Sitilertpisan P, Paungmali A, Sriburee S**, Chamnongkich S**, Jankaew A, et al. Muscle thickness and function of transversus abdominis and gluteus medius in individuals with chronic non-specific low back pain. J Clin Med 2026;15(2).666. doi: 10.3390/jcm15020666
4. Inthana N, Orhirun T, Jankaew A, **Chamnongkich S**. Biomechanical analysis of movement time and center of pressure during single-leg and double-leg sit-to-stand in healthy adults. J Assoc Med Sci 2025; 58(2), 122-9.
5. Soontornthip J, Leonard JH, Sriburee S, **Chamnongkich S**, Paungmali A, Pirunsan U, Sitilertpisan P. Reliability of transversus abdominis and internal oblique muscle thickness measurement using B-mode ultrasound imaging in standing and single leg standing positions. J Assoc Med Sci 2023; 56(2):53–9.
6. Jankaew A, Chen JC, **Chamnongkich S**, Lin CF. Therapeutic exercises and modalities in athletes with acute hamstring injuries: a systematic review and meta-analysis. Sports Health 2023;15(4):497-511. doi: 10.1177/19417381221118085
7. Ruamsilp W, Thawinchai N, Sitilertpisan P, Peansukmanee S, **Chamnongkich S**. Comparison of saddles in hippotherapy for patients with chronic low back pain. Vet Integr Sci 2023; 21(3):821-30.
8. **Chamnongkich S**, Phirawatthakul C, Silsupadol P. Comparison of balance ability in elderly with and without history of falls using wii balance board. Thai J Phys Ther 2021;43(3):111-22.
9. 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.
10. Ooneklabh K, Leelarungrayub J, **Chamnongkich S**. Preliminary report: modified and innovative workstation and tools in a male wood carver at Chiang Mai Province, Thailand. J Assoc Med Sci 2020;53(3):72-7.

11. 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. Glob J Physiother Rehabil 2020:1-16. doi: 10.36811/gjpr.2020.110005.
12. Joseph L, Paungmali A, Sitilertpisan 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/asjsm.95220.
13. 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.
14. Sukumpee T, Theera-Umpon N, **Chamnongkich S**, Auephanwiriyakul S. Kinematic-based knee angle correction for gait analysis using single kinect sensor. Proceedings - 8th IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2018, art. no. 8685025, pp. 212-216.
15. Jankaew A, Sitilertpisan P, **Chamnongkich S**. Effect of knee orthosis on walking performance in individuals with knee osteoarthritis. J Assoc Med Sci 2017;50:479-89.
16. Srisen P, Auephanwiriyakul S, Theera-Umpon N, **Chamnongkich S**. Kinect joints correction using optical flow for weightlifting videos. Proceedings of International Conference on Computational Intelligence, Modelling and Simulation, 2016-September, art. no. 7579692, pp. 37-42.
17. 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.
18. 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.
19. 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.
20. **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.
21. Pruksakorn D, Tirankgura 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.
22. **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.
23. **Chamnongkich S**, Tansenee J. Gait adjustment during treadmill walking of overweight middle-aged women. Thai J Phys Ther 2013;35:34-45.

24. **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.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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:

1. Handbook for postoperative knee arthroplasty. Thai Physical Therapy Association. Bangkok: Samarnmitr Printing 2003 Co., Ltd.; 2015.
2. Chamnongkich S. Measurement in Physical Therapy: Essential Concepts and Applications. Chiang Mai: Siam Nana Printing Co., Ltd.; 2014.