

Mei-Fang Liu, PT, PhD

Educational Background

Ph.D	National Cheng Kung University, Tainan, Taiwan
MS	National Taiwan Sport University, Taoyuan, Taiwan
BS	National Taiwan University, Taipei, Taiwan

Specialty

- Orthopedic and sports physical therapy
- Human movement analysis
- Musculoskeletal biomechanics

Courses

- Orthopedic Physical Therapy
- Advanced Orthopedic Physical Therapy
- Biomechanics
- Note Writing
- Practical Evidence-Based Physical Therapy

Research Projects

- A randomized, controlled trial of aerobic exercise on cognitive function in patients with schizophrenia. (NSC 101-2314-B-037-070-) (NSC 102-2314-B-037-006-MY2)
- The comparison of back and gluteal extensor muscles surface EMG activation between subjects with and without chronic low back pain during trunk forward bending after prolonged sitting. (KMU-M103022)
- The properties and adaptations of perceptual-motor behaviors in children and adolescents with Down syndrome (NSC 97-2314-B-037-040-MY2)

Career Experiences

- Assistant Professor, Department of Physical Therapy, KMU, Koahsiung, Taiwan
- Physical Therapist, Department of Rehabilitation Medicine, KMH, Koahsiung, Taiwan
- Lecturer, Department of Physical Therapy, KMU, Koahsiung, Taiwan
- Lecturer, Department of Physical Therapy, CMU, Taichung, Taiwan
- Teaching Assistant, Department of Physical Therapy, CSMU, Taichung,



Taiwan

Refereed Journal Papers

- Lin CY, Liu YH, Chen SM, Cheng SC, Liu MF*. The Effectiveness of Group-Based Core Stability Exercise and Educational Booklet for Hospital Workers in Taiwan with Nonspecific Low Back Pain: A Preliminary Study. *Int J Environ Res Public Health* 2022; 19(6): 3324.
- Du WY, Huang TS, Chiu YC, Mao SJ, Hung LW, Liu MF, Yang JL, Lin JJ. Single-session video and electromyography feedback in overhead athletes with scapular dyskinesis and impingement syndrome. *J Athl Train* 2020; 55(3): 265-273.
- Su CY, Wang PW, Lin YJ, Tang TC, Liu MF, Chen MD. The effects of aerobic exercise on cognition in schizophrenia: a 3-month follow-up study. *Psychiatry Res* 2016; 244: 394-402.
- Liu MF, Chou PH, Su FC. Gait patterns after posterior cruciate ligament Injury: a comparison of symptomatic and asymptomatic patients. *J Mech Med Biol* 2014; 14(5)
- Wang HY, Long IM, Liu MF. Relationships between task-oriented postural control and motor ability in children and adolescents with Down syndrome. *Res Dev Disabil* 2012; 33: 1792-1798.
- Liaw LJ, Hsu MJ, Liao CF, Liu MF, Hsu AT. The Relationships between inter-recti distance measured by ultrasound imaging and abdominal muscle function in postpartum women: a 6-month follow-up study. *J Orthop Sports Phys Ther* 2011; 41(6): 435-443.
- Lu YM, Lin JH, Hsiao SF, Liu MF, Chen SM, Lue YJ. The relative and absolute reliability of leg muscle strength testing by a handheld dynamometer. *J Strength Cond Res* 2011; 25(4): 1065-1071.
- Liu MF, Chou PH, Liaw LJ, Su FC. Lower-limb adaptation during squatting after isolated posterior cruciate ligament injuries. *Clin Biomech* 2010; 25(9): 909-913.
- Lue YJ, Hsieh CL, Liu MF, Hsiao SF, Chen SM, Lin JH, Lu YM. Influence of testing position on the reliability of hip extensor strength measured by a handheld dynamometer. *Kaohsiung J Med Sci* 2009; 25(3): 126-132.
- Chen SM, Liu MF, Cook J, Bass S, Lo SK. Sedentary lifestyle as a risk factor for low back pain: a systematic review. *Int Arch Occup Environ Health* 2009; 82(7): 797-806.