

Chien-Chih Chen, PT, MS

Educational Background

PhD Candidate Medical Engineering	National Kaohsiung University of Science and Technology	2022
PhD Candidate Medical Engineering	National Cheng Kung University	2008
M.S. Physiology	National Cheng Kung University	1995
B.S. Physical Therapy	Chuan Shan Medical College	1990

Expertise

- Physical Therapy for Cardiopulmonary Disease
- Assistive Technology

Courses

Research Projects

1. Tsai AY, Chen CC, Chang JJ. A Survey of Occupational Therapy Service of the Long-term Care Facility for the Elderly—Sampling from Kaohsiung City. J Occupational Therapy Association R.O.C. 2000; 18:33-46.
2. T.W. Chen, C.C. Chen, M. H. Huang (2000, Dec): The pilot study of domestic functional electrical stimulation for cycling exercise in patients with paraplegia –A case report. Annual Conference of Rehabilitation Medicine Association of the R.O.C. Taipei.
3. C.C. Chen, M. H. Huang, J.J. Chen(2005, Sep.)Decreasing Edema Using Functional Electrical Stimulation Cycling System in the Lower Extremities of Patient with Spinal Cord Injury: A Case Study. The 51th Academic Conference of Physical Therapy Association. Taipei .
4. Chien-Chih Chen, HY Wang (2006, March): The relationship between respiratory force and daily physical function in children with cerebral palsy. The 52th Academic Conference of Physical Therapy Association. Taipei .

5. Tsai Y.J, Leong I.T, Chen C.C, Cheng C.M, and Guo L.Y*, 2006, “The Immediate Effects on the Heart Rate Variability after 20-Minute Aerobic Exercise”, Congress of Taiwanese Society of Biomechanics, R.O.C, Dec 9. (Superior winner, Oral presentation)
6. Tsai Y.J, Leong I.T, Chen C.C, Cheng C.M, Guo L.Y*, 2007, “The initial effects of Chinese traditional exercise on heart rate variability”, The 22nd Academic Combined Conference of The Biomedical Science, Mar 17-18. (Oral presentation, DOH96-TD-M-113-004-(2/2))
7. Li K.H, Yang C.H, Chou H.C, Cheng C.M, Chen C.C, Guo L.Y*, 2007, “Effect of different head position on heart rate variability and skin blood flow”, The 54th Academic Conference of The Physical Therapy Association of R.O.C, April 22. (NSC96-2815-C-037-014-B)
8. Tsai Y.J, Leong I.T, Chen C.C, Cheng C.M, Guo L.Y*, 2007, “The Effects of Chinese Traditional Exercise on Heart Rate Variability”, The 55th Academic Conference of The Physical Therapy Association of R.O.C, Oct 20. (Oral presentation, DOH96-TD-M-113-004-(2/2))
9. Tsai Y.J, Leong I.T, Chen C.C, Cheng C.M, Guo L.Y*, 2007, “The Initial Effects of Chinese Traditional Exercise on Heart Rate Variability”, Congress of Taiwanese Society of Biomechanics, R.O.C, Dec 21. (Poster, DOH96-TD-M-113-004-(2/2))
10. Chih-Wei Peng, Shih-Ching Chen, Chien-Hung Lai, Chao-Jung Chen, Chien-Chih Chen, Joseph Mizrahi, Yasunobu Handa. Review: Clinical Benefits of Functional Electrical Stimulation Cycling Exercise for Subjects with Central Neurological Impairments. *Journal of Medical and Biological Engineering*. 2011; 31(1): 1-12. [SCI]
11. Wang HY., Chen CC., and Hsiao SF. Relationships between respiratory muscle strength and daily living function in children with cerebral palsy. *Research in Developmental Disabilities* 2012;33:1176-1182. [SCI]
12. Chien-Chih Chen, Yu-Ching Tang, Miao-Ju Hsu, Sing-Kai Lo, Jau-Hong Lin* (2019, Jan). Effects of the hybrid of neuromuscular electrical stimulation and noxious thermal stimulation on upper extremity motor recovery in patients with stroke: a randomized controlled trial. *Topics in Stroke Rehabilitation*, 26(1):66-72. (SCI, 30/65, Rehabilitation). MOST 102-2314-B-037-010-MY

Career Experiences

- Lecturer, Department of Physical Therapy, KMU, now

1996 –



- Part Time Lecturer, Department of Physical Therapy, KMU 1995 – 1996
- Teaching Assistant, Department of Rehabilitation Medicine, KMU 1990 – 1993

Part time

- Senior Physical Therapist, Department of Phys Med & Rehabil, KMUH
1996 – now
- Junior Physical Therapist, Department of Phys Med & Rehabil, KMUH
1990 – 1993

Refereed Journal Papers in recently 5 years
