

顏竹伶  
Chu-Ling Yen

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School of Physical Therapy,  
No 259, Wen-Hwa 1st Road, Kwei-Shan Dist,  
Taoyuan City 33302, Taiwan

**主要學歷 Education**

美國愛荷華大學 University of Iowa, USA	博士 Ph.D.	物理治療暨復健科學 Physical Rehabilitation Science
國立陽明大學 National Yang Ming University	碩士 MS.	物理治療 Physical Therapy
長庚大學 Chang Gung University	學士 BS.	物理治療 Physical Therapy

**經歷 Employment History**

2006 -2008	新光吳火獅紀念醫院物理治療師 Physical Therapist, Shin Kong Wu Ho-Su Memorial Hospital, Taipei, Taiwan
2008 -2010	台灣大學附設醫院物理治療師 Physical Therapist, National Taiwan University Hospital, Taipei, Taiwan
2017-2018	高雄長庚紀念醫院腦血管科博士後研究員 Postdoctoral Fellow, Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan

- 2018-2018 長庚大學職能治療學系博士後研究員  
Postdoctoral Fellow, Department of Occupational Therapy  
Chang Gung University, Taoyuan, Taiwan
- 2018-2020 林口長庚紀念醫院醫學研究發展部博士後研究員  
Postdoctoral Fellow, Department of Medical Research &  
Development, Linkou Chang Gung Memorial Hospital,  
Taoyuan, Taiwan
- 2020-2021 國立體育大學競技與教練科學研究所博士後研究員  
Postdoctoral Fellow, Graduate Institute of Athletics and  
Coaching Science, National Taiwan Sport University,  
Taoyuan, Taiwan

### **專長領域 Specialized area**

動作控制與動作學習、老年人身體活動、神經可塑性、神經科物理治療  
Motor control & motor learning, physical activity in aging, neuroplasticity,  
neurological physical therapy

### **榮譽及獎勵 Honor & Awards**

- 2018 台灣物理治療學會亞洲青年物理治療領導人培訓  
Asia Young Leaders' Program in the Japan Physical Therapy  
Association-Taiwan Physical Therapy Association Collaboration  
Program
- 2017 台灣物理治療學會第 73 次學術論文研討會學生口頭論文比賽  
First Prize Award in the Oral Presentation Competition in the  
73rd Academic Conference of the Taiwan Physical Therapy  
Association, Taiwan Physical Therapy Association
- 2014 美國愛荷華大學最佳博士生  
Outstanding PhD Student Recognition, University of Iowa
- 2010 美國愛荷華大學全額獎學金  
Presidential Graduate Fellowship, University of Iowa
- 2009 教育部留學獎學金  
Study Abroad Scholarship, Ministry of Education, Taiwan
- 2006 陽明大學畢業論文比賽第一名  
First Prize Award at the Thesis Competition in the Department of  
Physical Therapy, National Yang Ming University

- 2006 陽明大學 2006 年學術論文比賽優等  
Outstanding Award at the 2006 Annual Thesis Competition,  
National Yang Ming University
- 2004 長庚大學物理治療學系畢業學業優良獎  
Distinguished Academic Award, Chang Gung University

## Recent Publication

### A. 期刊論文發表

1. Cole KR, Yen CL, Dudley-Javoroski S, Shields RK. NIH Toolbox cognition battery in young and older adults: reliability and relationship to adiposity and physical activity. J Geriatr Phys Ther. 2021; 44:51-59.
2. Chang KC, Lee HC, Yen CL, Liao YH, Hung JW, Wu CY. Low back pain(LBP)-associated factors in female hospital-based personal care attendants. Work 2021; 69:315-322.
3. Chang KC, Liao YH, Lee HC, Wu CY, Yen CL, Lin PL, Hung JW, Huang YC, Chou MC, Li YH, Lin HM. Musculoskeletal disorders, psychosocial stress and associated factors among home-based care workers in Taiwan. Work 2020; 65:647-659.
4. Yen CL, Chang KC, Wu CY, and Hsieh YW. The relationship between trunk acceleration parameters and kinematic characteristics during walking in patients with stroke. J Phys Ther Sci 2019; 31:638-644.
5. Chang KC, Hung JW, Lee HC, Yen CL, Wu CY, Yang CL, Huang YC, Lin PL, Wang HH. Rehabilitation reduced readmission and mortality risks in patients with stroke or transient ischemic attack: a population-based study. Med Care 2018; 56:290-298.
6. Woelfel JR, Kimball AL, Yen CL, Shields RK. Low force muscle activity regulates energy expenditure after spinal cord injury. Med Sci Sports Exerc 2017; 49:870-878.
7. Tseng SC, Cole KR, Shaffer MA, Petrie MA, Yen CL, Shields RK. Speed, resistance, and unexpected acceleration modulate feed forward and feedback control during a novel weight bearing task. Gait Posture 2017; 52:345-353.
8. Yen CL, McHenry CL, Petrie MA, Dudley-Javoroski S, Shields RK.

- Vibration training after chronic spinal cord injury: evidence for persistent segmental plasticity. *Neurosci Lett* 2017; 647:129-132.
9. Petrie MA, McHenry CL, Kimball AL, Suneja M, Yen CL, Shields RK. Distinct skeletal muscle gene regulation from active contraction, passive vibration, and whole body heat stress in humans. *PLoS ONE* 2016; 11:e0160594.
  10. Yen CL, Wang RY, Liao KK, Huang CC, Yang YR. Gait training-induced change in corticomotor excitability in patients with chronic stroke. *Neurorehabil Neural Repair* 2008; 22:22-30.

## **B. 會議論文**

1. Yen CL, Shields RK. The effects of physical activity on motor learning in expected and unexpected events. The Sports at All Ages and Health Policy Conference. Taipei, Taiwan. Nov 20, 2020.
2. Yen CL, Chang KC, Lee HC, Wu CY. Low back pain-associated factors in female hospital-based personal care attendants. The 11th World Stroke Congress. Montreal, Canada. Oct, 2018.
3. Yen CL, Chang KC, Lee HC, Wu CY. Rehabilitation and Readmission/Mortality Risks in Patients with Stroke or Transient Ischemic Attack. The 59th Annual Meeting of the Japanese Society of Neurology. Sapporo, Japan. May 23, 2018.
4. Lee LZ, Yen CL, Chang KC, Wu CY. Effects of the hybrid exercise-cognitive interventions in stroke patients with cognitive decline. The 2017 Annual Meeting of Taiwan Stroke Society. Kaohsiung, Taiwan. Nov 25, 2017.
5. Chang KC, Lee HC, Yen CL, Wu CY. The relationship between rehabilitation and readmission/mortality risks in patients with stroke or transient ischemic attack. The 2017 Annual Meeting of Taiwan Stroke Society. Kaohsiung, Taiwan. Nov 25, 2017.
6. Yen CL, Chang KC, Lee HC, Wu CY. Risk factors associated with low back pain among hospital-based care workers. The 2017 Annual Meeting of Taiwan Stroke Society. Kaohsiung, Taiwan. Nov 25, 2017.
7. Liao YH, Chang KC, Lee HC, Yen CL, Wu CY. Musculoskeletal disorders, psychosocial stress and associated factors among home-based migrant care workers in Taiwan. The 2017 Annual Meeting of

- Taiwan Stroke Society. Kaohsiung, Taiwan. Nov 25, 2017.
8. Yen CL, Shields RK. The effect of age and physical activity level on motor skill learning during both expected and unexpected events. The 74th Academic Conference of the Taiwan Physical Therapy Association. Kaohsiung, Taiwan. Sep 23, 2017.
  9. Yen CL, Shields RK. The effect of age on motor skill learning during both expected and unexpected events. The 73rd Academic Conference of the Taiwan Physical Therapy Association. Taipei, Taiwan. Mar 18, 2017.
  10. Yen CL, Shields RK. H-reflex depression in spinal cord injury: Impact of long term vibration training. SFN 2016, San Diego, USA. Nov 15, 2016.
  11. Yen CL, Shields RK. Age impacts motor performance but not motor learning in both expected and unexpected events. SFN 2016, San Diego, USA. Nov 15, 2016.
  12. Yen CL, Shields RK. Paired associative stimulation (PAS): Impact of cortical excitability on learning during an unexpected event? ISU Neuroscience 2016, Ames, USA, Sep 17, 2016.
  13. Yen CL, Shields RK. Motor learning occurs in both unexpected and expected events during a novel visuomotor training task. ACSM 2016, Boston, USA. June 2, 2016.
  14. Yen CL, Shields RK. Post-activation depression is modulated by electrical stimulation frequency in individuals with spinal cord injury. ACSM 2015, San Diego, USA. May 29, 2015.
  15. Yen CL, Shields RK. Unexpected events modulate learning during a novel visuo-motor training task. ITCN 2015, Taipei, Taiwan. May 9, 2015.
  16. Yen CL, Shields RK. Sympathetic activation through whole body heat stress: Impact on muscle force and spinal cord excitability. CSM 2015, Indianapolis, USA. Feb 7, 2015.
  17. Chapman RM, Yen CL, Morton SM. Effects of cathodal tDCS over primary sensorimotor cortex on reaching behavior and corticospinal excitability in healthy adults. SFN 2013, San Diego, USA. Nov 12, 2013.
  18. Yen CL, Chapman RM, Morton SM. What rTMS stimulation parameters best induce short-term inhibition of primary motor cortex? SFN 2013, San Diego, USA. Nov 11, 2013.
  19. Yen CL, Chang YL, Yang CC, Liu WY, Li CC, Lin YH. Clinical application of targeted training in sitting for a child with spastic quadriplegia. The 48th Academic Conference of the Physical Therapy Association of Republic of China. Taoyuan, Taiwan. 2004.

20. Yen CL, Wang RY, Yang YR. Gait training-induced change in corticomotor excitability in patients with chronic stroke. The 54th Academic Conference of the Physical Therapy Association of Republic of China. Taipei, Taiwan. 2007.