

個人履歷表

顏竹伶

Chu-Ling Yen, PT, PhD

聯絡資訊 Contact information

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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

經歷及現職 Employment

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
- 2021- 長庚大學物理治療學系助理教授
Assistant Professor, School of Physical Therapy, Chang Gung 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

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| 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. Yen CL, Petrie MA, Suneja M, Shields RK. Neuromuscular and gene signaling responses to passive whole-body heat stress in young adults. J Therm Biol. 2023; 118:103730. (IF=2.7, Ranking=15/177=8.47%, ZOOLOGY)
2. Hung JW, Yen CL, Chang KC, Chiang WC, Chuang IC, Pong YP, Wu WC, Wu CY. A pilot randomized controlled trial of botulinum toxin treatment combined with robot-assisted therapy, mirror therapy, or active control treatment in patients with spasticity following stroke. Toxins. 2022; 14:415. (IF=4.2, Ranking=23/94=24.5%, TOXICOLOGY)
3. 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. (IF=2.4, Ranking=21/68=30.9%, REHABILITATION)
4. 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. (IF=2.3, Ranking=262/399=65.66%, PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH)
5. 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. (IF=2.3, Ranking=262/399=65.66%, PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH)
6. 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.
 7. 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. (IF=3, Ranking=40/87=46%, HEALTH POLICY & SERVICES)
 8. 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. (IF=4.1, Ranking=8/121=6.6%, SPORT SCIENCES)
 9. 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. (IF=2.4, Ranking=47/128=36.7%, ORTHOPEDICS)
 10. 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. (IF=2.5, Ranking=208/306=68%, NEUROSCIENCES)
 11. 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. (IF=3.7, Ranking=26/73=35.6%, MULTIDISCIPLINARY SCIENCES)
 12. 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. (IF=4.2, Ranking=9/68=13.2%, REHABILITATION)

B. 會議論文

1. Dai KL, Chen RS, Chang YJ, Yen CL*. Effects of age and muscle fatigue on postural control. The 86th Academic Conference of the Taiwan Physical Therapy Association. Kaohsiung, Taiwan. Sep 16, 2023.
2. Wu CY, Liu WY, Chen RS, Yen CL*. Impact of the hip abductor muscle fatigue on postural control: a systematic review and meta-analysis. The 86th Academic Conference of the Taiwan Physical Therapy Association. Kaohsiung, Taiwan. Sep 16, 2023.
3. Yen CL*, Leung TC, Lien HY, Li CJ, Tu CH, Chang YJ. Influence of motion-anticipatory cues on motion sickness in passengers: a systematic review and meta-analysis. The 86th Academic Conference of the Taiwan Physical Therapy Association. Kaohsiung, Taiwan. Sep 16, 2023.
4. Yen CL, Wang CK, Chang YJ, Tang WT. Effects of foot insoles in golfers with and without flatfoot. The 8th Asian Society of Sports Biomechanics Conference. Taoyuan, Taiwan, Oct 22, 2021.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.

11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. Yen CL, Shields RK. Unexpected events modulate learning during a novel visuo-motor training task. ITCN 2015, Taipei, Taiwan. May 9, 2015.
20. 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.
21. 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.
22. 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.
23. 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.

24. 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.

研究計畫 Grant Funding

2024	工業技術 研究院 ITRI	視覺舒適性與環境參數研究 Exploring the impact of the display parameters on visual comfort and motion sickness	主持人 PI
2023 - 2024	長庚醫療 財團法人 CGMH	髖外展肌肉力量控制對於中老年人與帕金森氏病患者姿勢控制之影響 Impact of force control of hip abductor muscles on postural control in middle- aged and older adults and individuals with Parkinson's disease	主持人 PI
2023 - 2024	國科會 NSTC	發展與測試核心肌群運動及正念呼吸於改善初診斷直腸癌患診之低前位切除術症候群、心理困擾，及生活品質之成效 Developing and testing the effect of core muscle exercise and mindful breathing exercise in improving low anterior resection syndrome, psychological distress, and quality of life in patients with newly diagnosed rectal cancer	共同主持人 Co-PI
2023	工業技術 研究院 ITRI	移動載具虛實融合擴增資訊顯示閱讀之人因舒適性研究 Investigation of the influence of anticipatory road condition information on motion sickness	主持人 PI
2022 - 2023	國科會	年齡及肌肉疲勞對姿勢控制和力量控制之影響與機制	主持人

	NSTC	Impacts and mechanisms of age and muscle fatigue on postural control and force control	PI
2020 - 2023	長庚醫療財團法人CGMH	老年人與心衰竭病患之肌肉疲勞與其機制 Muscle fatigue and its mechanisms in elderly people and individuals with heart failure	共同主持人 Co-PI