

聯絡資訊

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主要學歷

國立成功大學 生物醫學工程博士

國立成功大學 物理治療碩士

中山醫學大學 物理治療學士

專長領域

肌肉關節物理治療，骨科生物力學，運動傷害，動作與肌電分析

榮譽及獎勵

2019 Young Investigator: Yamaguchi Medal in Gait and Kinesiology

2019 科技部大專生研究計畫補助: The effects of visual feedback on scapula control in subjects with rounded shoulder posture

2018 第十五屆國家新創獎。環境友善之體感平衡個人化移動載具

2015 張冠諒教授紀念獎學金(博士級)

2015 斐陶斐榮譽學會榮譽會員

2014 Oral Presentation Award, 8th East Asian Consortium on Biomedical Engineering

研究計畫明細

執行期間	計畫名稱	經費來源	擔任工作
2020-2020	退化性腰椎滑脫病患之腰椎-骨盆動作控制分析	花蓮慈濟醫院	Co-P.I.
2020-2020	慢性下背痛中年病人接受止痛藥物及腰椎牽引復健治療後功能改善與影像學變化之間的關聯分析	花蓮慈濟醫院	Co-P.I.
2019-2020	近端肱骨骨折病患之肩部動作模式及運動治療之介入成效 II	科技部	P.I.
2019-2020	探討臂神經叢損傷患者之肩關節穩定度對於上肢動作及手部功能的影響	科技部	Co-P.I.
2019-2019	近端肱骨骨折病患之肩部動作模式及運動治療之介入成效	科技部	P.I.
2017-2017	應用積層製造技術於儲能型踝足矯正器開發	科技部	Co-P.I.

期刊論文發表

1. Po-Tsun Chen, Hsiu-Yun Hsu, You-Hua Su, Chien-Ju Lin, Hsiao-Feng Chieh, Li-Chieh Kuo, Fong-Chin Su. Force Control Strategy of Five-digit Precision Grasping. Human Factor. 2020. (Submitted)
2. Hsiu-Yun Hsu, Po-Tsun Chen, Ta-Shen Kuan, Hsiu-Ching Yang, Shyh-Jou Shieh, Li-Chieh Kuo. A touch-observation and task-based mirror therapy protocol to improve sensorimotor control and functional capability of hands for patients with peripheral nerve injury. American Journal of Occupational Therapy. 2019. 73, 1-10.
3. Yu-Chen Lin, Yen-Li Chao, Chieh-Hsiang Hsu, Hsiao-Man Hsu, Po-Tsun Chen, Li-Chieh Kuo. The effect of task complexity on handwriting kinetics. Canadian Journal of Occupational Therapy. Apr. 2019.
4. Po-Tsun Chen, Chien-Ju Lin, Hsiao-Feng Chieh, Li-Chieh Kuo, I-Ming Jou, Fong-Chin Su. The Repeatability of Digital Force Waveform during Natural Grasping with Five Digits. Measurement. 2016.
5. Po-Tsun Chen, I-Ming Jou, Chien-Ju Lin, Hsiao-Feng Chieh, Li-Chieh Kuo, Fong-Chin Su. Is the Control of Applied Digital Forces During Natural Five-digit Grasping Affected by Carpal Tunnel Syndrome?

Clinical Orthopedics and Related Research. Feb. 2015.

6. Po-Tsun Chen, Chien-Ju Lin, I-Ming Jou, Hsiao-Feng Chieh, Fong-Chin Su, Li-Chieh Kuo. One Digit Interruption: The Altered Force Patterns during Functionally Cylindrical Grasping Tasks in Patients with Trigger Digits. PLOS ONE. Dec. 2013. Vol. 8. Issue 12.

研討會發表

1. Ting-Yi Chen, Ho-Yi Tuan-Mu, Chien-Hui Huang, Po-Tsun Chen. The Effects of Different Visual Feedback on Scapula Control Training in Subjects With Rounded Shoulder Posture. Formosan Journal of Physical Therapy Vol. 45, No. 2, 2020.
2. Po-Tsun Chen, Hsiu-Yun Hsu, You-Hua Su, Chien-Ju Lin, Hsiao-Feng Chieh, Li-Chieh Kuo, Fong-Chin Su. Is the Force Control during Precision Grasp Altered by Different Configurations? 10th Asian-Pacific Conference on Biomechanics. 2019. Taiwan. (Young Investigator Award)
3. T-L Tsao, C-H Yang, P-T Chen, K-L Liu. Does 12-week short foot exercise training alter strength and morphology of intrinsic foot muscles, and foot posture in people with flexible flatfeet? 11th Pan-Pacific Conference on Rehabilitation (PPCR), 2018. Hong Kong, China.
4. C-H Yang, T-L Tsao, P-T Chen, K-L Lin. Effect of 12-week modified short foot exercise on intrinsic foot muscle strength and muscle activation using novel designed plantar foot strength device: A preliminary investigation. XV International Symposium on 3-D Analysis of Human Movement. 2018. UK.
5. Y-C Tseng, Y-J Lee, P-T Chen, C-F Lin, C-H Yang. The effect of motion control footwear combined therapeutic exercise on pain, lower extremity strength and foot alignment for runners with patellofemoral pain syndrome. 8th World Congress of Biomechanics. 2018. Ireland .
6. T-L Tsao, P-T Chen, Y-J Lee, C-H Yang. A comparison of the effects of insoles with and without subthreshold noise enhanced vibrotactile sense during single leg stance in healthy people. XXVI Congress of the International Society of Biomechanics. 2017. Australia.
7. P-T Chen, C-J Lin, H-F Chieh, L-C Kuo, I-M Jou, F-C Su (2017, Apr). The altered patterns of digit force control in patients with hand disorders. 2017 Pan Pacific Symposium on Stem Cells and Cancer Research. 2017. Taiwan. (Invited Speaker)
8. Po-Tsun Chen, Chien-Ju Lin, Hsiao-Feng Chieh, Li-Chieh Kuo, I-Ming Jou, Fong-Chin Su. Is The Waveform Of Digit Force Repeatable during A Five-digit Grasping Task? XIV International Symposium on 3D Analysis of Human Movement. 2016. Taiwan
9. Fong-Chin Su, Po-Tsun Chen, Chien-Ju Lin, Hsiao-Feng Chieh, Li-Chieh Kuo, I-Ming Jou. The Coordination of Digits Forces during Natural Five-Digit Precision Grasping. 7th WACBE World Congress on Bioengineering. 2015. Singapore
10. Po-Tsun Chen, You-Hwa Su, Hsiao-Feng Chieh, Chien-Ju Lin, Li-Chieh Kuo, and Fong-Chin Su. A Comparison of Force Control during Five-Digit Grasp between Natural and Constrained Configurations. International Scientific Meeting on Biomechanics. 2014. Taipei, Taiwan
11. Po-Tsun Chen, Chien-Ju Lin, Hsiao-Feng Chieh, Li-Chieh Kuo, I-Ming Jou and Fong-Chin Su. The Stability Control of Five-Digit Grasping in Patients with Carpal Tunnel Syndrome. 9th Asian Pacific Conference on Medical and Biological Engineering. 2014. Tainan, Taiwan
12. Po-Tsun Chen, You-Hua Su, Li-Chieh Kuo, I-Ming Jou, Fong-Chin Su. The Adjustment of Digit Force during Five-Digit Grasping in Patients with Carpal Tunnel Syndrome. East Asian Consortium on Biomedical Engineering 8th Student Workshop. 2014. Sendai, Japan.

13. You-Hua Su, Po-Tsun Chen, Li-Chieh Kuo, Fong-Chin Su. The Analysis of Digits Force Pattern during Cylindrical Precision Grasp in Conditions of Natural Grasp and Constrained Grasp. 2nd Joint World congress of International Society for Posture and Gait Research. 2013. Arkita, Japan.
14. Po-Tsun Chen, Li-Chieh Kuo, I-Ming Jou, Fong-Chin Su. The Impact of Abnormal Sensory on Digital Force Control during Five-Digit Grasping. East Asian Consortium on Biomedical Engineering 7th Student Workshop. 2013. Taipei, Taiwan.
15. Po-Tsun Chen, You-Hua Su, Li-Chieh Kuo, I-Ming Jou, Fong-Chin Su. The Effect of Carpal Tunnel Syndrome on Digit Force Pattern during Functional Precision Grasp. The 6th WACBE World Congress on Bioengineering. 2013. Beijing, China.
16. Po-Tsun Chen, Li-Chieh Kuo, I-Ming Jou, Fong-Chin Su. Force Coordination during Cylindrical Grasping in Patients with Trigger Digits. The 8th International Hand and Wrist Biomechanics Symposium. 2012. Yokohama, Japan.
17. Po-Tsun Chen, Shih-Wei Chen, Li-Chieh Kuo, Fong-Chin Su. Finger force synergy in cylindrical grasping movement. The 23rd International Society of Biomechanics Congress. 2011. Brussels, Belgium.
18. Po-Tsun Chen, Ruei-Heng Chen, Sheng-Yung Huang, Fong-Chin Su. The effect of shoulder external rotator exercise on scapular control. The 23rd International Society of Biomechanics Congress. 2011. Brussels, Belgium.
19. Wen-Ling Chen, Po-Tsun Chen, Pei-Chin Tsao, Ting-Yi Kuo, I-Ming Jou. 3 days longitudinal follow-up for the effect of subacromial injection on pain suppression and scapular kinematics. 4th Asian Pacific Conference on Biomechanics. 2009. Christchurch, New Zealand.
20. Ting-Yi Kuo, Po-Tsun Chen, Wen-Ling Chen. Alterations of scapular muscle activation in asymptomatic persons with subacromial crepitus. International Society of Biomechanics XXIth Congress. 2007. Taipei, Taiwan.
21. Po-Tsun Chen, I-Ming Jou, Ting-Yi Kuo, Wen-Ling Chen. The comparison of immediate effect for subacromial injection and myofascial release on scapulohumeral rhythm in patients with subacromial impingement syndrome. Australian Physiotherapy Association Conference Week. 2007. Cairns, Australia.