

CURRICULUM VITAE

PERSONAL

NAME(姓名，含英譯)

郭立杰 (Li-Chieh Kuo)

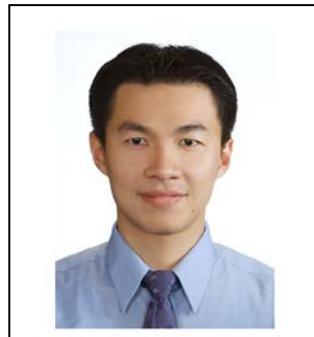
PROFESSIONAL APPOINTMENT (現職，含英譯)

國立成功大學 前瞻醫療器材科技中心 主任

國立成功大學 醫學院職能治療學系 教授

國立成功大學 健康照護科學研究所 合聘教授

成大醫院 職業醫學部、復健部 教授級兼任治療師



EDUCATION(學歷)

國立成功大學 職能治療學系 學士

國立成功大學 醫學工程研究所 博士

WORKING EXPERIENCE (經歷)

副院長 國立成功大學 醫學院總務分處

醫學研究所
國立成功大學
副教授、助理教授
研究系所
科學科系
護康治療學系
研究所
大學

Special Project Associate Orthopedic Biomechanics Lab/ Motion Analysis Lab, Mayo Clinic, Rochester, MN, USA

MAJOR RESEARCH AREA(研究領域)

人體動作科學、生物力學、手部功能分析及治療、醫療器材研發

PUBLICATION (In the nearest 5 years)(發表、出版物)

1. Chiu, H.Y., Hsu, H.Y., Su, F.C., Jou, I.M., Lin, C.F., **Kuo, L.C.***, 2013. "Setup of a Novel Biofeedback Prototype for Sensorimotor Control of the Hand and Preliminary Application for Patients with Peripheral Nerve Injury". Physical Therapy. 93(2): 168-178. (*correspondence)
 2. **Kuo, L.C.***, Yang, T.H., Hsu, Y.Y., Wu, P.T., Lin, C.L., Hsu, H.Y., Jou, I.M., 2013. "Is progressive early digit mobilization intervention beneficial for patients with external fixation of distal radius fracture? A pilot randomized controlled trial". Clinical Rehabilitation. 27(11): 983-993. (*correspondence)
 3. Hsu, H.Y., **Kuo, L.C.**, Chiu, H.Y., Jou, I.M., Wu, P.T., Su, F.C., 2013. "Feasibility of a Novel Functional Sensibility Test as an Assisted Examination for Determining Precision Pinch Performance in Patients with Carpal Tunnel Syndrome". PLOS ONE. 8(8): e72064.
 4. **Kuo, L.C.***, Hsu, H.M., Wu, P.T., Lin, S.C., Hsu, H.Y., Jou, I.M., 2014. "Impact of Distal Median Neuropathy on Handwriting Performance for Patients with Carpal Tunnel Syndrome in Office and Administrative Support Occupations", Journal of Occupational Rehabilitation. 24: 332-343. (*correspondence)
 5. Hsu, H.Y., Kuo, Y.L., Jou, I.M., Su, F.C., Chiu, H.Y., **Kuo, L.C.***, 2014. "Diagnosis from Functional Perspectives: The Usefulness of a Manual Tactile Test for Predicting Precision Pinch Performance and Disease Severity in Subjects with Carpal Tunnel Syndrome". Archives of Physical Medicine and Rehabilitation, 95(4): 717-725 (*correspondence)
 6. **Kuo, L.C.**, Lin, C.J., Chen, G.P., Jou, I.M., Wang, C.K., Goryacheva, I.G., Dosaev, M.Z., Su, F.C., 2014. "In Vivo Analysis of Trapeziometacarpal Joint Kinematics during Pinch Tasks", BioMed Research International. 2014: 157295. Chen, P.T., Lin, C.J., Jou, I.M., Chieh, H.F., Su, F.C.*., **Kuo, L.C.*.**, 2013. "One Digit Interruption: The Altered Force

- Patterns during Functionally Cylindrical Grasping Tasks in Patients with Trigger Digits". PLoS ONE. 8(12): e83632. (*correspondence)
7. Chiu, H.Y., Hsu, H.Y., **Kuo, L.C.**, Su, F.C., Yu, H.I., Hua, S.C., Lu, C.H., 2014. "How the Impact of Median Neuropathy on Sensorimotor Control Capability of Hands for Diabetes: an Achievable Assessment from Functional Perspectives" PLoS ONE, 9(4): e94452
 8. Su, F.C., Lin, C.J., Wang, C.K., Chen, G.P., Sun, Y.N., Chuang, A.K., **Kuo, L.C.***, 2014. "In Vivo Analysis of Trapeziometacarpal Joint Arthrokinematics during Multi-directional Thumb Motion", Clinical Biomechanics. 29(9): 1009-1015. (*correspondence)
 9. Yang, C.J., Hsu, H.Y., Lu, C.H., Chao, Y.L., Chiu, H.Y., **Kuo, L.C.***, 2015. "The Associations among Hand Dexterity, Functional Performance and Quality of Life in Diabetic Patients with Neuropathic Hand from Objective and Patient-Perceived Measurements." Quality of Life Research. 24: 213-221. (*correspondence)
 10. Hsu, H.Y., Su, F.C., Kuo, Y.L., Jou, I.M., Chiu, H.Y., **Kuo, L.C.***, 2015. "Assessment from Functional Perspectives: Using Sensorimotor Control in the Hand as a Responsiveness Outcome Indicator in the Surgical Treatment of Carpal Tunnel Syndrome", PLoS One (*correspondence)
 11. Hsu, H.Y., Chiu, H.Y., Lin, H.T., Su, F.C., Lu, C.H., **Kuo, L.C.***, 2015. "Impacts of Elevated Glycemic Hemoglobin and Disease Duration on the Sensorimotor Control of Hands in Diabetes Patients", Diabetes/Metabolism Research and Reviews; Diabetes/Metabolism Research and Reviews. 31(4):385-394. (*correspondence)
 12. Lai, K.Y., Wu, S.K., Jou, I.M., Hsu, H.M., Chen Sea, M.J., **Kuo, L.C.***, 2015. "Effects of hand span size and right-left hand side on the piano playing performances: Exploration of the potential risk factors with regard to piano-related musculoskeletal disorders". International Journal of Industrial Ergonomics 50:97-104. (*correspondence)
 13. Hsu, H.Y., Shieh, S.J., Kuan, T.S., Yang, H.C., Su, F.C., Chiu, H.Y., **Kuo, L.C.***, 2016. "Manual Tactile Test Predicts Sensorimotor Control Capability of Hands for Patients with Peripheral Nerve Injury", Archives of Physical Medicine and Rehabilitation. 97(6): 983–990. (*correspondence)
 14. Tsai, C.L., Lin, C.F., Lin, H.T., Liu, M.F., Chiu, H.Y., Hsu, H.Y., **Kuo, L.C.***, 2017. "How kinematic disturbance in the deformed rheumatoid thumb impacts on hand function: a biomechanical and functional perspective", Disability and Rehabilitation. 39(4): 338-345 (*correspondence)
 15. Yang, T.H., Lin, Y.H., Chuang, B.I., Chen, H.C., Lin, W.J., Yang, D.S., Huang, S.H., Sun, Y.N., **Kuo, L.C.***, Su, F.C.* , 2016. "Identification of the Position and Thickness of the First Annular Pulley in Sonographic Images", Ultrasound in medicine & biology. 42(5):1-9 (*correspondence)
 16. Lee, S.Y., Chieh, H.F., Lin, C.J., Jou, I.M., **Kuo, L.C.***, Su, F.C.* , 2016. "The Potential Risk Factors Relevant to Lateral Epicondylitis by Wrist Coupling Posture", PLOS ONE. 10(6): e0128420 (*correspondence)
 17. Yang, T.H., Lu, S.C., Lin, W.J., Zhao K.D., Zhao,C.F., An, K.N., Jou, I.M.., Lee, P.Y., **Kuo, L.C.***, Su, F.C.* , 2016. "Assessing Finger Joint Biomechanics by Applying Equal Force to Flexor Tendons In Vitro Using a Novel Simultaneous Approach", PLOS ONE. 11(8): e0160301 (*correspondence)
 18. Hou, W.H., Li, C.Y., Chen, L.H., Wang, L.Y., **Kuo, L.C.**, Kuo, K.N., Shen, H.N., Chiu, C.T., 2016." Medical claims-based case-control study of temporal relationship between clinical visits for hand syndromes and subsequent diabetes diagnosis: implications for identifying patients with undiagnosed type2 diabetes mellitus", BMJ Open: 6:e012071.
 19. Lin, Y.C., Chao, Y.L., Wu, S.K., Lin, H.H., Hsu, C.H., Hsu, H.M., **Kuo, L.C.***, 2017. "Comprehension of handwriting development: Pen-grip kinetics in handwriting tasks and its relation to fine motor skills among school-age children". Australian Occupational Therapy Journal (accepted, in press) (*correspondence)
 20. Yang, C.J., Hsu, H.Y., Lu, C.H., Chao, Y.L., Chiu, H.Y., **Kuo, L.C.***, 2017. "Do We Underestimate Influences of Diabetic Mononeuropathy or Polyneuropathy on Hand Functional Performance and Life Quality". Journal of Diabetes Investigation. (accepted, in press) (*correspondence)
 21. Hsu, H.Y., Chen, P.T., Kuan, T.S., Yang, H.C., Tsai, C.L., S.J. Shieh, **Kuo, L.C.***, 2017. "Impacts of Sensation, Perception and Motor Abilities of Ipsilesional Upper Limb on Hand Functions in Unilateral Stroke: Quantifications from Biomechanical and Functional Perspectives". PM&R. (accepted) (*correspondence)
 22. Wu, P.T., Hsu, C.H., Su, F.C., Jou, I.M., Chen, S.Y., Su, W.R., **Kuo, L.C.***, 2017. "Dynamic weight bearing analysis is effective for evaluation of tendinopathy using a customized corridor with multi-directional force sensors in a rat model", Scientific Reports 7: 8708 (*correspondence)
 23. **Kuo, L.C.**, Hsu, P.H., Wang, C.K., Jou, I.M., Hsu, C.H., An, K.N.* , 2017. "Shall we profile the measuring postures and amounts of stress? A novel stress-view evaluation system for quantifying trapeziometacarpal joint laxity?". Journal of Medical and Biological Engineering (accepted)