

花蓮慈濟醫院研究部

尿毒肌乏力研究室

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研究簡介

肌乏力症是慢性腎臟病不容忽視的重要議題，除了盛行率高、成因複雜外，更與住院、感染、跌倒、骨折、甚至死亡等臨床預後息息相關。然而，造成慢性腎臟病肌乏力症的相關機轉複雜，如何早期診斷尿毒肌乏力症仍未有共識；而尿毒肌乏力症的介入治療方式有限且成效不彰，成為臨床病患照護上的一大挑戰。本研究室主要針對不同的慢性腎臟病族群（未透析、血液透析及腹膜透析），探討肌乏力症的致病機轉、篩檢、早期診斷、介入治療方式等，以期改善尿毒肌乏力症病患的照護。

計畫與經費來源

計畫名稱	起迄年月	補助機構
非透析慢性腎臟病患肌少症、血管功能異常及內皮生化指標的相關性研究(TCRD111-056)	111/1-111/12	慈濟醫院
酮酸胺基酸的補充對於晚期慢性腎臟病病患血清肌肉激素濃度的影響(TCRD110-53)	110/1-110/12	慈濟醫院
腹膜透析病人肌乏力症跟血管功能關聯性研究(TCMF-CP 109-01)	109/1-111/12	慈濟醫療財團法人

研究成果(近三年代表論文)

1. Yu-Li Lin, Chih-Hsien Wang, Jen-Pi Tsai, Chih-Tsung Chen, Yi-Hsin Chen, Szu-Chun Hung, Bang-Gee Hsu. A Comparison of SARC-F, Calf Circumference, and Their Combination for Sarcopenia Screening Among Patients Undergoing Peritoneal Dialysis. *Nutrients* 2022; 14: 923. IF: 5.719 (17/88 NUTRITION & DIETETICS)
2. Yu-Li Lin, Chih-Hsien Wang, I-Chen Chang, Bang-Gee Hsu. A Novel Application of Serum Creatinine and Cystatin C to Predict Sarcopenia in Advanced CKD. *Frontiers in nutrition* 2022; 9 : 828880. IF: 6.576 (12/88 NUTRITION & DIETETICS)
3. Yu-Li Lin, I-Chen Chang, Hung-Hsiang Liou, Chih-Hsien Wang, Yu-Hsien Lai, Chiu-Huang Kuo, Bang-Gee Hsu. Sarcopenia indices based on serum creatinine and cystatin C predict mortality in patients with non-dialysis chronic kidney disease: A retrospective cohort study. *Scientific Reports* 2021; 11: 16863 IF:4.379 (17/73 MULTIDISCIPLINARY SCIENCES)
4. Yu-Li Lin, Jia-Sian Hou, Chih-Hsien Wang, Chen-Ying Su, Hung-Hsiang Liou, Bang-Gee Hsu. The Effect of ketoanalogues on skeletal muscle mass in patients with advanced chronic kidney disease: A real-world evidence. *Nutrition*. 2021 November–December; 91–92: 111384. IF: 4.008 (41/89 NUTRITION & DIETETICS)
5. Yu-Li Lin, Shu-Yuan Chen, Yu-Hsien Lai, Chih-Hsien Wang, Chiu-Huang Kuo, Hung-Hsiang Liou, Bang-Gee Hsu. Relationship of serum creatinine to cystatin C ratio with skeletal muscle mass and muscle strength in patients with non-dialysis chronic kidney disease. *Clinical Nutrition* 2020; 39(8): 2435–2441. IF: 6.360 (9/89 NUTRITION & DIETETICS)