

5-Methoxytryptophan attenuates oxidative stress-induced downregulation of PINK1 and mitigates mitochondrial damage and apoptosis in cardiac myocytes

>Free Radic Biol Med

. 2025 Mar 10:232:398-411. doi: 10.1016/j.freeradbiomed.2025.03.010. Online ahead of print.

Chii-Ming Lee (李啟明), Tung-Chun Russell Chien , Juo-Shan Wang, Yu-Wei Chen, Chin-Yu Chen, Cheng-Chin Kuo, **Liang-Ting Chiang (江亮霆)**, Kenneth K Wu, Wan-Tseng Hsu

本研究發現 5-Methoxytryptophan(5-MTP)可上調 PINK1 表現、減少氧化壓力誘導的粒線體損傷與細胞凋亡，並透過 AKT 與 Bax 路徑共同維護心肌細胞粒線體功能，具潛在心臟保護作用。

Urinary glyphosate, selenium status, and their impact on mortality: Evidence from NHANES 2013-2018

>Ecotoxicol Environ Saf

. 2025 Mar 1:292:117989. doi: 10.1016/j.ecoenv.2025.117989. Epub 2025 Mar 1.

Pei-Lun Chu (朱培倫), Ching-Chung Hsiao, Ta-Chen Su, Chikang Wang, Chien-Yu Lin
本研究利用 NHANES 2013 – 2018 資料發現，尿中 glyphosate 濃度越高，與 whole blood selenium 呈負相關，且 glyphosate 暴露與全因死亡風險增加有關。selenium 呈 U 型保護效果，過高反可能增加死亡風險。

Ultrasound-guided vs. Non-ultrasound-guided femoral artery puncture techniques: a comprehensive systematic review and meta-analysis

>Ultrasound J

. 2025 Mar 6;17(1):19. doi: 10.1186/s13089-025-00422-8.

i-Chen Huang (黃怡禎), Yueh-Hsun Lu, Wei-Yi Ting

本篇系統性回顧與統合分析指出，超音波導引股動脈穿刺可提升成功率、縮短操作時間，並降低併發症及誤刺風險，具臨床應用優勢。

Bacterial Colonization of Silver-Additive Ventilator Circuit in Patients Receiving Mechanical Ventilation: A Randomized Controlled Trial

Randomized Controlled Trial >Clin Respir J

. 2025 Mar;19(3):e70058. doi: 10.1111/crj.70058.

Ke-Yun Chao (趙克耘), **Wei-Lun Liu (劉偉倫)**, **Chao-Yu Chen (陳昭瑜)**, Chia-Hui Su, **Shih-Hsing Yang (楊式興)**, Yu-Tzu Huang

本隨機對照試驗發現，使用含銀離子添加劑的呼吸器管路可降低吸氣管路的細菌定植程度，但對 Y 型接頭部位無顯著影響，顯示其具潛在感染控制效益。

The impact of glucagon-like peptide-1 receptor agonists on the quality indicators of colonoscopy - a systematic review and meta-analysis

Review> Dig Liver Dis

. 2025 Mar 21:S1590-8658(25)00280-4. doi: 10.1016/j.dld.2025.03.004. Online ahead of print.

Yu-Tse Chiu (邱毓澤), **Yu-Tsung Chen (陳昱宗)**, **Fu-Jen Lee (李輔仁)**, **Chi-Yang Chang (張吉仰)**

根據本研究及系統性回顧與統合分析發現，使用 GLP-1 受體促效劑的患者較易出現腸道準備不良，BBPS 評分較低，部分研究顯示其腺瘤與息肉偵測率上升

Intracerebral hemorrhage in CADASIL

Review >J Chin Med Assoc

. 2025 Mar 1;88(3):189-195. doi: 10.1097/JCMA.0000000000001206. Epub 2025 Jan 14.

Shao-Lun Hsu (許紹倫), Yi-Chu Liao, Chih-Ping Chung, Masafumi Ihara, Jay Chol Choi, Sung-Chun Tang, Yi-Chung Lee

本篇 review 指出 CADASIL 患者的腦出血風險與 NOTCH3 突變、cerebral microbleeds (CMBs)及高血壓有關，建議加強血壓控制與審慎用藥。

Protocol for a multicenter randomized controlled trial to assess the usefulness of computer-aided detection systems for colonoscopy in colorectal cancer screening in the Asia-Pacific region (project CAD/NCCH2217)

>Jpn J Clin Oncol

. 2025 Mar 9;hyaf043. doi: 10.1093/jjco/hyaf043. Online ahead of print.

Masau Sekiguchi, Kensuke Shinmura, Kazuki Sumiyama, Takahisa Matsuda, Kyung S Han, Hyun-Soo Kim, Han-Mo Chiu, **Chi-Yang Chang (張吉仰)**, Wei J J Lee, Christopher J L Khor, Louis H-S Lau, Sukit Pattarajierapan, Supakij Khomvilai, Ayako Miyata, Taro Shibata, Yutaka Saito

本研究為亞太地區多中心隨機對照試驗，將評估電腦輔助偵測系統(CADe)在大腸癌篩檢中是否能提升腺瘤偵測率，納入 1400 位 50–79 歲受試者。

Association between gamma-glutamyl transferase and diabetes factors among elderly nonobese individuals

Observational Study >Medicine (Baltimore)

. 2025 Mar 21;104(12):e41913. doi: 10.1097/MD.00000000000041913.

Chih-Tsueng He, **Fang-Yu Chen (陳芳瑜)**, **Chun-Heng Kuo (郭俊亨)**, Chung-Yu Lin, **Dee Pei (裴駢)**, Pietro Pitrone, Jin-Shuen Chen, Chung-Ze Wu

本研究發現台灣非肥胖高齡者中， γ -GT 與胰島素阻抗、胰島素分泌正相關，與葡萄糖效能負相關，尤以葡萄糖效能關聯最強。

Accuracy of tongue strength, endurance, and pressure using Iowa oral performance instrument and predictors of dysphagia in community-dwelling older adults: a cross-sectional study

>BMC Geriatr

. 2025 Mar 24;25(1):194. doi: 10.1186/s12877-025-05859-z.

Yen-Fang Chou, **Chien-Mei Sung (宋建美)**, Yu-Hao Chu, Kai-Jo Chiang, Ruey Chen, Kondwani Joseph Banda, Chiu-Kuei Lee, Melati Fajarini, Kuei-Ru Chou

本研究發現舌力與耐力可篩檢吞嚥障礙，衰弱、營養差與年齡大為重要風險因子。

Associations between Marketing Exposure, In-game Purchases, Problem Gaming, Simulated Gambling, and Psychological Distress among Adolescents

>J Gambl Stud

. 2025 Mar;41(1):187-201. doi: 10.1007/s10899-024-10353-z. Epub 2024 Aug 28.

Fong-Ching Chang, **Wei-Chun Chuang (莊惟琄)**, Ru Rutherford, Wen-Yu Chen, Chung-Ying Yang, Chiung-Hui Chiu, Ping-Hung Chen, Nae-Fang Miao, Hung-Yi Chuang

本研究針對台灣國中七年級學生進行問卷調查，發現遊戲行銷曝光、課金行為與問題性遊戲行為、模擬博弈遊戲有顯著關聯，且這些行為與青少年的心理困擾及睡眠品質不佳密切相關。