

創新研究

追求卓越與創新，發展前瞻性的研究

一、 研究成果

2020 年度家庭醫學部之研究成果: 英文期刊共 40 篇 SCI 文章。

英文期刊

1. Huang HL, Tsai JS, Yao CA, Cheng SY, Hu WY, Chiu TY. Shared decision making with oncologists and palliative care specialists effectively increases the documentation of the preferences for do not resuscitate and artificial nutrition and hydration in patients with advanced cancer: a model testing study. *BMC Palliat Care*. 2020 Feb 4;19(1):17. doi: 10.1186/s12904-020-0521-7.
2. Miyashita J, Kohno A, Cheng SY, Hsu SH, Yamamoto Y, Shimizu S, Huang WS, Kashiwazaki M, Kamihiro N, Okawa K, Fujisaki M, Tsai JS, Fukuhara S. Patients' preferences and factors influencing initial advance care planning discussions' timing: A cross-cultural mixed-methods study. *Palliat Med*. 2020 May 1:269216320914791. doi: 10.1177/0269216320914791.
3. Huang HL, Chang CH, Chen CY, Peng JK, Wang YT, Chen CY, Hsu CC, Lee CS, Tsai JS*. Plasma vascular adhesion protein-1 levels correlate positively with frailty severity in older adults. *Medicine (Baltimore)*. 2020 Jul 24;99(30):e21192.
4. Liao CK, Tsai JS, Lin LY, Lee SC, Lai CF, Ho TW, Lai F. Characteristics of Harmonic Indexes of the Arterial Blood Pressure Waveform in Type 2 Diabetes Mellitus. *Front Bioeng Biotechnol*. 2020 Jul 8;8:638
5. Wu YR, Chou TJ, Wang YJ, Tsai JS, Cheng SY, Yao CA, Peng JK, Hu WY, Chiu TY, Huang HL. Smartphone-Enabled, Telehealth-Based Family Conferences in Palliative Care During the COVID-19 Pandemic: Pilot Observational Study. *JMIR Mhealth Uhealth*. 2020 Oct 28;8(10):e22069.
6. Huang FY, Hsu AL, Chao YP, Shang CM, Tsai JS, Wu CW. Mindfulness-based cognitive therapy on bereavement grief: Alterations of resting-state network connectivity associate with changes of anxiety and mindfulness. *Hum Brain Mapp*. 2020 Oct 17. doi: 10.1002/hbm.25240.
7. Chen CY, Huang WS, Chen HC, Chang CH, Lee LT, Chen HS, Kang YD, Chie WC, Jan CF, Wang WD, Tsai JS. Effect of a 90 g/day low-carbohydrate diet on glycaemic control, small, dense low-density lipoprotein and carotid intima-media thickness in type 2 diabetic patients: An 18-month randomised controlled trial. *PLoS One*. 2020 Oct 5;15(10):e0240158.
8. Lai TC, Lee TL, Chang YC, Chen YC, Lin SR, Lin SW, Pu CM, Tsai JS, Chen YL. MicroRNA-221/222 Mediates ADSC-Exosome-Induced Cardioprotection Against Ischemia/Reperfusion by Targeting PUMA and ETS-1. *Front Cell Dev Biol*. 2020 Dec 3;8:569150.
9. Chang KV, Chen YC, Wu WT, Shen HJ, Huang KC, Chu HP, Han DS. Expression of telomeric repeat-containing RNA decreases in sarcopenia and increases after exercise and nutrition intervention. *Nutrients*. 2020 Dec 8;12(12):3766.

10. Hsiao MY, Chang KV, Wu WT, Huang KC, Han DS. Grip strength and demographic variables estimate appendicular muscle mass better than bioelectrical impedance in Taiwanese older persons. *J Am Med Dir Assoc.* 2020 Sep 15;S1525-8610(20)30693-9.
11. Chen TP, Lai M, Lin WY, Huang KC, Yang KC. Metabolic profiles and fibrosis of nonalcoholic fatty liver disease in the elderly: A community-based study. *J Gastroenterol Hepatol.* 2020 Sep;35(9):1636-1643.
12. Lee SY, Chao CT, Huang JW, Huang KC. Vascular Calcification as an Underrecognized Risk Factor for Frailty in 1783 Community-Dwelling Elderly Individuals. *J Am Heart Assoc.* 2020 Sep 15;9(18):e017308.
13. Chao CT, Yeh HY, Han DS, Huang JW, Huang KC. Determinants of circulating microRNA-125b, a risk predictor of vascular calcification, among community-dwelling older adults. *Clin Transl Med.* 2020 Aug;10(4):e145.
14. Chao CT, Lee YH, Li CM, Han DS, Huang JW, Huang KC. Advanced age and chronic kidney disease modify the association between metabolic syndrome and frailty among community-dwelling elderly. *Rejuvenation Res.* 2020 Aug;23(4):333-340.
15. Li CM, Chao CT, Chen SI, Han DS, Huang KC. Elevated red cell distribution width is independently associated with a higher frailty risk among 2,932 community-dwelling older adults. *Front Med (Lausanne).* 2020 Aug 25;7:470.
16. Yang KC, Liao YY, Chang KV, Huang KC, Han DS. The quantitative skeletal muscle ultrasonography in elderly with dynapenia but not sarcopenia using texture analysis. *Diagnostics (Basel).* 2020 Jun 12;10(6):400.
17. Lee YC, Lee YH, Lu CW, Cheng SY, Yang KC, Huang KC. Measles immunity gaps in an era of high vaccination coverage: A serology study from Taiwan. *Travel Med Infect Dis.* 2020 Jun 19:101804.
18. Chang KV, Wu WT, Huang KC, Han DS. Segmental body composition transitions in stroke patients: Trunks are different from extremities and strokes are as important as hemiparesis. *Clin Nutr.* 2020 Jun;39(6):1968-1973.
19. Wang CY, Shih SR, Huang KC. Increasing risk of diabetes mellitus in postmenopausal women with newly diagnosed primary breast cancer. *J Diabetes Investig.* 2020 Mar; 11(2):490-8.
20. Jan CF, Liu TH, Ho CH, Chien YC, Chang CJ, Guo FR, Huang KC. Doses of hepatitis B revaccination needed for the seronegative youths to be seropositive to antibody against hepatitis B surface antigen. *Fam Pract.* 2020 Feb 19; 37(1):30-5.
21. Cheng SY, Chen CF, He HC, Chang LC, Hsu WF, Wu MS, Chiu HM. Impact of COVID-19 pandemic on fecal immunochemical test screening uptake and compliance to diagnostic colonoscopy. *J Gastroenterol Hepatol.* 2020 Nov 20;10.1111/jgh.15325. doi: 10.1111/jgh.15325. Epub ahead of print. PMID: 33217055; PMCID: PMC7753615.
22. Shin J, Kim SH, Suh SY, Cheng SY, Chen PJ, Yamaguchi T, Morita T, Tsuneto S, Mori M; EASED investigators. Physical and psychological symptoms and signs in dying digestive tract cancer patients: the East Asian collaborative cross-cultural Study to Elucidate the Dying process (EASED). Support

- Care Cancer. 2020 Nov 10. doi: 10.1007/s00520-020-05866-3. Epub ahead of print. PMID: 33170402.
23. Cheng SY, Wang CJ, Shen AC, Chang SC. How to Safely Reopen Colleges and Universities During COVID-19: Experiences From Taiwan. *Ann Intern Med.* 2020 Oct 20;173(8):638-641. doi: 10.7326/M20-2927. Epub 2020 Jul 2. PMID: 32614638; PMCID: PMC7339040.
 24. Lin CP, Peng JK, Chen PJ, Huang HL, Hsu SH, Cheng SY. Preferences on the Timing of Initiating Advance Care Planning and Withdrawing Life-Sustaining Treatment between Terminally-Ill Cancer Patients and Their Main Family Caregivers: A Prospective Study. *Int J Environ Res Public Health.* 2020 Oct 29;17(21):7954. doi: 10.3390/ijerph17217954. PMID: 33138212; PMCID: PMC7662916.
 25. Yamaguchi T, Maeda I, Hatano Y, Suh SY, Cheng SY, Kim SH, Chen PJ, Morita T, Tsuneto S, Mori M; EASED investigators. Communication and Behavior of Palliative Care Physicians of Patients With Cancer Near End of Life in Three East Asian Countries. *J Pain Symptom Manage.* 2021 Feb;61(2):315-322.e1. doi: 10.1016/j.jpainsymman.2020.07.031. Epub 2020 Aug 7. PMID: 32777459.
 26. Cheng SY, Lin CP, Chan HY, Martina D, Mori M, Kim SH, Ng R. Advance care planning in Asian culture. *Jpn J Clin Oncol.* 2020 Sep 5;50(9):976-989. doi: 10.1093/jjco/hyaa131. PMID: 32761078.
 27. Tao Z, Wu P, Luo A, Ho TL, Chen CY, Cheng SY. Perceptions and practices of spiritual care among hospice physicians and nurses in a Taiwanese tertiary hospital: a qualitative study. *BMC Palliat Care.* 2020 Jul 1;19(1):96. doi: 10.1186/s12904-020-00608-y. PMID: 32611340; PMCID: PMC7331138.
 28. Hsu WF, Cheng SY, Shun CT, Chang LC, Tu CH, Wang HP, Wu MS, Chiu HM. Higher risk of advanced histology in adenoma less than 10 mm in fecal immunochemical test screening: Implication for management. *J Gastroenterol Hepatol.* 2020 Oct;35(10):1738-1745. doi: 10.1111/jgh.15040. Epub 2020 Apr 3. PMID: 32187748.
 29. Huang HL; Hong SH; Tsai YC. Approaches to Text Mining for Analyzing Treatment Plan of Quit Smoking with Free-text Medical Records: A PRISMA-compliant meta-analysis. *Medicine.* 2020 Jul 17;99(29):e20999.
 30. Peng JK, Chang HH, Higginson IJ, Gao W. Intensive care utilization in patients with end-stage liver disease: A population-based comparative study of cohorts with and without comorbid hepatocellular carcinoma in taiwan. *EClinicalMedicine.* 2020 May 20;22:100357.
 31. Chiang CH, Huang KC. Diabetes and hepatocellular carcinoma risks in patients with nonalcoholic steatohepatitis related cirrhosis. *Hepatobiliary Surg Nutr.* 2020 Jun;9(3):357-359. 5Y-IF: 5.293, R: 9/210, C: Surgery.
 32. Chang, Jerry Che-Jui, Shinn-Jang Hwang, Tzeng-Ji Chen, Tai-Yuan Chiu, Hsiao-Yu Yang, Yu-Chun Chen, Cheng-Kuo Huang, and Chyi-Feng Jan. "Team-based care improves quality of diabetes care-Family Practice Integrated Care Project in Taiwan." *BMC family practice* 21, no. 1 (2020): 1-10.
 33. Jan, Chyi-Feng, Shinn-Jang Hwang, Che-Jui Chang, Cheng-Kuo Huang, Hsiao-Yu Yang, and Tai-Yuan Chiu. "Family physician system in Taiwan." *Journal of the Chinese Medical Association* 83, no. 2 (2020): 117-124.
 34. Jan, Chyi-Feng, Meng-Chih Lee, Ching-Ming Chiu, Cheng-Kuo Huang, Shinn-Jang Hwang, Che-Jui Chang, and Tai-Yuan Chiu. "Awareness of, attitude toward, and willingness to participate in pay for

- performance programs among family physicians: a cross-sectional study." *BMC Family Practice* 21 (2020): 1-9.
35. Chang, Che-Jui, Yu-Kang Tu, Pau-Chung Chen, and Hsiao-Yu Yang. "Talc exposure and risk of stomach cancer: Systematic review and meta-analysis of occupational cohort studies." *Journal of the Formosan Medical Association* 119, no. 4 (2020): 781-792.
 36. Chang HH, Hsu SP, Chien CT. Intrarenal Transplantation of Hypoxic Preconditioned Mesenchymal Stem Cells Improves Glomerulonephritis through Anti-Oxidation, Anti-ER Stress, Anti-Inflammation, Anti-Apoptosis, and Anti-Autophagy. *Antioxidants* 2020, 9(1), 2; <https://doi.org/10.3390/antiox9010002>.
 37. Guo FR. A flaw on a meta-analysis of smoking and the severity of COVID-19: the association should have been endorsed. *J Public Health (Oxf)*. 2020 Aug 18;42:653-654. doi: 10.1093/pubmed/fdaa083.
 38. Guo FR. Smoking links to the severity of Covid-19: An update of a meta-analysis. *J Med Virol*. 2020 Nov;92:2304-2305. DOI: 10.1002/jmv.25967.
 39. Guo FR. Active smoking is associated with severity of coronavirus disease 2019 (COVID-19): An update of a meta-analysis. *Tob Induc Dis*. 2020 May 6;18:37. DOI: 10.18332/tid/121915
 40. KUAN-I WU, CHIN-YING CHEN, TZUU-SHUH JOU, JYH-MING JIMMY JUANG, JIN-YING LU, I-JONG WANG (2020, Nov). Effect of 3-hydroxy-3-methyl-glutaryl-coenzyme A Reductase Inhibitors on the Meibomian Gland Morphology in Patients with Dyslipidemia. *American Journal of Ophthalmology*, 219:240-252.

非 SCI

中文期刊

1. 竇巧雲; 謝佩穎; 李怡璇; 許韻晨; 郭斐然; 徐珮容; 于幸右; 周家玉; 鄭之勳; 陳世英; 蔡兆勳; 黃獻樑. 以醫病共享決策模式提升戒菸療程完成率. *台灣醫學 Formosan J Med* 2020;24:509-523
2. 林嘉俊, 江建勳 (通訊作者) (2020年06月)。間歇性斷食法對肥胖及其共病症的影響。 *基層醫療* · 35(6), 167-170
3. 機艙內緊急醫療之倫理法律議題. Author : 周孜容(Tzu-Jung Chou);蔡甫昌(Daniel Fu-Chang Tsai). Publication Name : *台灣醫學* Years : 2020. DOI 10.6320/FJM.202003_24(2).0009

二、 學會論文發表及得獎優良事蹟

2020 年家庭醫學部也在各醫學會上發表多篇論文，其中更獲得優秀論文獎的殊榮，如下所列。

(一) 口頭論文發表

臺灣家庭醫學醫學會 109 年學術研討會

1. 林嘉俊, 江建總 (通訊作者) (2020, Jul). Impact of Smoking Cessation & Weight Gain Restriction on Type 2 Diabetes Occurrence in Prediabetic Smokers. (榮獲口頭論文發表第一名)
2. 劉任軒、詹其峰、蔡兆勳 年輕族群中尿酸減少與減重及慢性病風險之關係 - 台北某大學之回溯性追蹤研究

Asia Pacific Conference on Tobacco or Health (APACT) 2020.

1. Chiang CH, Guo FR, Huang KC. Effectiveness of smoking cessation combined with body weight self-management in prediabetic smokers.

(二) 海報論文發表

臺灣家庭醫學醫學會 109 年學術研討會

1. Factors Associated with Health Expenditure among Home Care Patients in a Hospital in Northern Taiwan. 北台灣某醫院居家照護病患醫療支出相關因子之研究. 周孜容、彭仁奎、陳宥伶、張皓翔*、李怡萱、楊昆澈、黃國晉 (榮獲海報評選第一名)
2. The effect of screening spirometry test on smoking cessation: a propensity score analysis. 肺功能檢查篩檢對戒菸率的影響：一個個案對照研究. 陳怡穎、黃獻樑、蔡兆勳、王鶴健、郭斐然