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EDUCATION

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RESEARCH DIRECTIONS

Delirium in intensive care unit, Delirium after cardiac surgery, Nursing of cardiac and thoracic surgery, Quality-of-life measures of post-esophagectomy with esophageal cancer, Simulation

TEACHING SUBJECT

Adult Health Nursing, Physical Assessment, Acute and critical care nursing

RESEARCH

- Prevalence and Risk Factors for Delirium of cardiovascular surgery (2005)
- Factors relating to Quality of life after esophagectomy for cancer patient (CMRP, 2008)
- Early illness experiences related to unexpected heart surgery : A qualitative descriptive study (2013)
- Quality of life and symptoms trouble after esophagectomy for cancer patient (2014~2017)
- Effectiveness of Modified Bolus Jejunostomy Feeding in Early Esophagectomy with Esophageal Cancer Patients (2016)
- Effect of an exercise and nursing education health informatics program on quality of life and exercise capacity among cancer survivors after esophagectomy (CMRP, 2016~2018)
- Effect of using a simulation education for undergraduate nursing students in an acute/critical care nursing course (MOE, 2019-2020)
- Effectiveness of delirium simulation education on the self-efficacy and critical thinking skill of nurses in intensive care unit- randomized clinical trial (MOST, 2020~2023)
- Effectiveness of health informatics of symptom management and resistance exercise strategies on quality of life and sarcopenia in post-esophagectomy patients with esophageal cancer- A mixedmethods study (NSTC, 2024~2027)

PUBLICATIONS

1. Shang, ST., Ho, WJ., Kang-Hua Chen, KH., Hsieh, MJ., **Chang, YL.*** (2026). Low positive affect as a predictor of mortality in pulmonary arterial hypertension: a Taiwanese cohort study integrating psychological and clinical risk factors. *Heart Lung*. 2026 Feb 11;77:102729. doi: 10.1016/j.hrtlng.2026.102729.(SCI). (Corresponding author)
2. **Chang, YL.**, Hsieh, MJ., Chang, YC., Ma, CT., Chiang, YT., Yu, HY., Chen, CY., Tsai, YF.* (2025). Efficacy of Simulation-Based Education on ICU Nurses' Knowledge, Self-Efficacy, and Critical Thinking in Delirium Care: A Randomized Controlled Trial. *Australian Critical Care*. 38(6), 101447. <https://doi.org/10.1016/j.aucc.2025.101447> (SCI)
3. Chiu, CH., Yu, MR., Huang, SC., Chou, PL., Tsao, YT., Huang, CT., Lin, HH., Chao, YK., **Chang, YL.*** (2025). The Impact of Chemoradiotherapy on Nutritional Status and Quality of Life in Esophageal Cancer Patients During the COVID-19 Pandemic. *Journal of Chest Surgery*. Published online September 18, 2025. <https://doi.org/10.5090/jcs.25.048> (ESCI) (Corresponding author)
4. Shang ST, Hsieh MJ, Ma CT, Yeh HS, **Chang YL.***(2025). Development of a Brief Delirium Knowledge Questionnaire for Intensive Care Nurses: A Validity and Reliability Study. *Dimensions of Critical Care Nursing*. 2025 Sep-Oct 01;44(5):277-282. doi: 10.1097/DCC.0000000000000714. (ESCI) (Corresponding author)
5. Chiu CH, Chang WY, Yang LY, Chao YK, Chen WH, Liu YH, Tsao YT, **Chang YL**, Huang SC.*(2025). Physical fitness predicts post-esophagectomy complications after chemoradiotherapy: a pilot study. *BMC Sports Science, Medicine and Rehabilitation*. Apr 30;17(1):106. doi: 10.1186/s13102-025-01158-7 (IF:2.8, SCI 24/173: REHABILITATION)
6. Yu, HY*., Tseng, IH., Chin, YF., Li, RH., Shen, YC., Lee, LH., Yang, CI., **Chang, YL.**, Chiang, YT.* (2025). Development and initial validation of a role strain scale for male nursing students. *Nurse Education Today*, 147, 106607. Advance online publication. <https://doi.org/10.1016/j.nedt.2025.106607> (IF= 3.6, SSCI 9/193:NURSING)
7. Li SZ, Chen SY, **Chang YL**, Fang CK, Fujimori M, Tang WR.* (2024). Predicaments and coping strategies in implementing cancer truth-telling: a qualitative content analysis. *Support Care Cancer*,32(9):602. doi: 10.1007/s00520-024-08815-6. (IF:2.8, R/C: 157/322: ONCOLOGY)
8. Lee SH, Li CC, **Chang YL**, Wang YW, Chen CY, Tsai YF.* (2024). Development and validation of a geriatric depression knowledge scale for older adults with depression. *Geriatric Nursing*, 58:39-43. doi: 10.1016/j.gerinurse.2024.05.006. (IF:2.5, R/C: 33/193: NURSING)
9. **Chang YL**, Hsieh MJ, Pan CI, Shang ST, Tsai YF.* (2024). Development and validation of a delirium care critical-thinking scale for intensive care unit nurses: A mixed-method study. *Journal of Clinical Nursing*, 33(4):1387-1397. doi: 10.1111/jocn.16997. (IF:3.2, R/C:14/193: NURSING)
10. Shang ST, **Chang YL**, Ho WJ, Liu CY, Chien CH.* (2023). Quality of Life in Patients with pulmonary hypertension. *Clinical Nursing Research*, 32(3) 539–548. doi: 10.1177/10547738221096558. (IF:1.7, R/C:80/193: NURSING)
11. **Chang YL**, Hsieh MJ, Chang YC, Yeh SL, Chen SW, Tsai YF.* (2023). Self-efficacy of caring for patients in the intensive care unit (ICU) with delirium: Development and

validation of a scale for ICU nurses. *Australian Critical Care*, 36(4):449-454. doi: 10.1016/j.aucc.2022.08.006. (IF:3.3, R/C:14/123: NURSING)

12. Lin HH, Chen KH, Chiu, CH, Shang, ST, **Chang YL*** (2022). Factors related to quality of life after video-assisted thoracoscopic surgery in patients with stage I adenocarcinoma lung cancer: A longitudinal study. *European Journal of Oncology Nursing*. 61:102225. doi: 10.1016/j.ejon.2022.102225. (IF:2.8, R/C:20/123, NURSING) (Corresponding Author)
13. **Chang YL**, Hsieh MJ, Feng TH, Shang ST, Tsai YF.* (2022). Effectiveness of multiple scenario simulations of acute and critical care for undergraduate nursing students: A quasi-experimental design. *Nurse Education Today*. 118:105526. doi: 10.1016/j.nedt.2022.105526 (IF:3.9, R/C:10/123: NURSING)
14. Lin WJ, **Chang YL**, Weng LC, Tsai FC, Huang HC, Yeh SL, Chen KH.* (2022). Post-Discharge Depression Status for Survivors of Extracorporeal Membrane Oxygenation (ECMO): Comparison of Venovenous ECMO and Venovenous Arterial ECMO. *International Journal of Environmental Research and Public Health*. Mar 11;19(6):3333. doi: 10.3390/ijerph19063333. (IF:4.64, R/C: 100/279, ENVIRONMENTAL SCIENCES)
15. Ting-Wei Chien, Feng-Chun Tsai, Huei-Chiun, Huang, **Yu-Ling Chang**, Li-Chueh Weng, Wan-Jung Lin, Shu-Siang Lin, Kang-Hua Chen. (2022). Related Factors of Physical Health after Discharge in Patients who Underwent Venovenous Arterial Extracorporeal Life Support. Doi: 10.6386/CGN.202206_33(2).0001 (Chinese)
16. **Chang, YL**. (2021). The Current Status of Hospital-Based Training Program on Nurse Practitioners in Taiwan. *Journal of Taiwan Nurse Practitioners*, 8(2), 21-26 (Chinese)
17. Hsin-Hsin Lin, **Yu-Ling Chang***, Mu-Hsin Yen & Mei-Ju Chen (2021). Effectiveness of Modified Bolus Jejunostomy Feeding in Early Esophagectomy with Esophageal Cancer Patients. *Chang Gung Nursing*, 32(2), 14-27. doi: 10.6386/CGN.202106_32(2).0002 (Correspondence) (Chinese)
18. **Chang, YL**, Tsai, Y. F., Hsu, C. L., Chao, Y. K., Hsu, C. C., & Lin, K. C. (2020). The effectiveness of a nurse-led exercise and health education informatics program on exercise capacity and quality of life among cancer survivors after esophagectomy: A randomized controlled trial. *International Journal of Nursing Studies*. 101,103418. doi: 10.1016/j.ijnurstu.2019.103418 (IF:5.83, R/C:1/123, NURSING)
19. Chao, Y. K., Li, Z. G, Wen, Y. W., Kim, D. J., Park, S. Y., **Chang, YL.**, van der Sluis, P. C., Ruurda, J. P., van Hillegersberg, R. (2020). Robotic-assisted Esophagectomy vs Video-Assisted Thoracoscopic Esophagectomy (REVATE): study protocol for a randomized controlled trial. *Trials*, 20(1):346. doi: 10.1186/s13063-019-3441-1(IF:1.97)
20. Hsin-Ying, LU, Hsin-Hui, Huang, **Yu-Ling, Chang*** (2019). Improving the implementation rate for delirium assessment among nurses in cardiovascular surgical intensive care unit. *Chang Gung Nursing*, 30(4), 474-484. 10.6386/CGN.201912_30(4).0005] (Correspondence) (Chinese)

21. **Chang, YL**, Tsai YF. (2017). Early illness experiences related to unexpected heart surgery: A qualitative descriptive study. *Australian Critical Care*, 30(5), 279-285. doi:10.1016/j.aucc.2016.11.005.(SCI). (IF:1.90, R/C=13/120, NURSING)
22. Chen-Yu Lin, **Yu-Ling Chang**, Hsin-Hsu Wu, & Yueh-E Lin, 2017. The Nursing Experience of a Patient with Infective Endocarditis Related to Receive Periodontal Treatments. *Chang Gung Nursing*, 28(4), 709-719. doi:10.3966/102673012017122804012 (Chinese)
23. **Chang, YL**, Tsai, YF, Chao, YK, Wu, MY. (2016). Quality-of-life measures as predictors of post-esophagectomy survival of patients with esophageal cancer. *Quality of Life Research*, 25, 465-475.(SCI). doi:10.1007/s11136-015-1094-4. (I F=2.48 ; R/C=24/88, HEALTH CARE SCIENCES & SERVICES)
24. **Chang, YL**, Tsai, YF, Wu, YC, Hsieh, MJ. (2014). Factors relating to Quality of life after esophagectomy for cancer patient in Taiwan. *Cancer Nursing*, 37(1), 4-13. (SCI). doi: 10.1097/NCC.0b013e318277dc53. (IF=1.96 ; R/C=7/111, NURSING)
25. **Chang, YL**, Tsai, Y-F, Lin, P-J, Chen, M-C, Liu, C-Y. (2008). Prevalence and Risk Factors for Delirium of cardiovascular surgery. *American Journal of Critical Care*, 17(6), 567-575.(SCI). (I F=2.04 ; R/C=4/62, NURSING)
26. **Chang, YL*** & Lin HH. (2008). The Future Development of Nurse Practitioner in Taiwan-What Can We Learn from the Experience of Acute Care Nurse Practitioner in U.S.A. *Chang Gung Nursing*, 19(24), 211-217. doi:10.6386/CGN.200806_19(2).0007 } (Chinese)