



# Yu-Ling Chang

## Assistant Professor

### EDUCATION

PhD Chang Gung University, Taiwan

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### CONTACT INFORMATION

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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

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1. 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*. 2024 May 15;58:39-43. doi: 10.1016/j.gerinurse.2024.05.006. (IF:2.7, R/C: 19/37: GERONTOLOGY)
2. **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:4.2, R/C:7/125: NURSING)
3. 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:1.72, R/C:86/123: NURSING)
4. **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:3.26, R/C:17/125: NURSING)
5. 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:2.5, R/C:33/125, NURSING) (Corresponding Author)
6. **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:8/125: NURSING)
7. 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)
8. 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)
9. **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)
10. Hsin-Hsin Lin, **Yu-Ling Chang\***, Mu-Hsin Yen & Mei-Ju Chen (2021). Effectiveness of Modified Bolus Jejunoscopy 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)

11. **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)
12. 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)
13. 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)
14. **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)
15. 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)
16. **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)
17. **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)
18. **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)
19. **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)