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EDUCATION

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RESEARCH DIRECTIONS

Pediatric Hematology and Oncology Care, Pediatric Palliative Care, Child Development assessment, Children's Life Education, health promotion, meta-analysis

TEACHING SUBJECTS

Human Development, Human Development Practice, Pediatric Nursing, Pediatric Nursing Practice, Children and Adolescents Health Issues, Children's Life Education Counseling & Practice

RESEARCH

- The Application of Design Thinking in University Social Responsibility Research Implement of Health Promotion for Indigenous Children and Adolescent (MOE, 2022-2024)
- Community Innovation Practice Project—Early intervention and Children's Health Promotion (University Social Responsibility Project) (MOE, 2020-2023)
- A Practical Research on the Application of Interdisciplinary Teaching Community and Blended Teaching / Learning Design to Improve the Outcomes of “Children and Adolescents Health Issues” Courses (MOE, 2019-2020)
- Using Digital Somatosensory Games as a Health Promotion Strategy for Children and Adolescents with Cancer: The Effect of Dynamic Intervention on Sleep and Fatigue (CCF 2015-2016)
- Effects of Parent-child Walking Programs on Sleep and Fatigue in Children with Cancer and Their Parents: A Follow-up Study of a Crossover Design (NSC 2012-2015)

PUBLICATIONS

1. Lien, A. S. Y., **Tsai, J. L.**, & Chang, H. T. (2022). A practical research on the application of interdisciplinary teaching community and blended teaching / learning design to improve the outcomes of “children and adolescents health issues” courses. *Chang Gung Journal of Sciences*, 36, 73-88. [https://doi.org/10.6192/CGUST.202206_\(36\).8](https://doi.org/10.6192/CGUST.202206_(36).8)
2. Wu, Y. L., Chen, C. C., & **Tsai, J. L.** (2022). 【Abstract】 The relieving effect of transcutaneous electrical stimulation (TENS) and its adjunct to physical therapy on blunt pressure pain in healthy human: A systematic review and meta-analysis. *Formosan Journal of Physical Therapy*, 47(2), 155-156. <https://doi.org/156.10.6215/FJPT.202206.P46>
3. Fang, C. Y., Lien, A. S. Y., **Tsai, J. L.**, Yang, H. C., Chan, H. L., Chen, R. S., & Chang, Y. J.* (2021). The effect and dose-response of functional electrical stimulation cycling training on spasticity in individuals with spinal cord injury: A systematic review with meta-analysis. *Frontiers in Physiology*, 2020, Article ID, 1-13. <https://doi.org/10.3389/fphys.2021.756200> (SCI)
4. Wang, T. J., Kang, C. L., **Tsai, J. L.**, Song, W. T., Lien, A. S. Y. (2021). Social media (Facebook) improper use and the influence of sleeping quality in Taiwan’s university students. *Science Progress*, 104(2), 1-20. <https://doi.org/10.1177/00368504211011878> (SCI)
5. Lien, A. S. Y., Jiang, Y. D., **Tsai, J. L.**, Hwang, J. S., & Lin W. C. (2020). Prediction of diabetic nephropathy from the relationship between fatigue, sleep and quality of life, *Applied Sciences*, 10(9), 3282. <https://doi.org/10.3390/app10093282> (SCI)
6. Fang, C. Y., **Tsai, J. L.**, Li, G. S., Lien, A. S. Y., & Chang, Y. J. (2020). Effects of robot-assisted gait training in individuals with spinal cord injury: A meta-analysis. *BioMed Research International*, 2020, 2102785. <https://doi.org/10.1155/2020/2102785> (SCI)
7. **Tsai, J. L.** (2020). *Children's life and death communication references*. Guided by Health Promotion Administration, MOHW, compiled by the Taiwan Academy of Hospice Palliative Medicine, Taiwan Children's Palliative Medical Care Reference Manual (pp. 141-162). Health Promotion Administration, MOHW.
8. Yu, J. T., Chen, C. C., **Tsai, J. L.**, & Lien, A. S. Y. (2020) • 【Abstract】 Therapeutic effect of low-level laser on swelling, pain, and grip strength of lymphedema after mastectomy: A meta-analysis. *Formosan Journal of Physical Therapy*, 45(2), 132-133. <https://doi.org/10.6215/FJPT.202006.O16>
9. Lee, Y. L., Hsu, H. E., & **Tsai, J. L.** (2018, November). *Analysis of refusal of recommended treatment in children with cancer through a 20-year database*. Poster session presented at 50th Congress of the International Society of Paediatric Oncology (SIOP), Kyoto, Japan.
10. **Tsai, J. L.**, & Lee, Y. L. (2018, November). *Parental smoking behavior and the related factors among the family of a child with cancer in Taiwan*. Poster session presented at 50th Congress of the International Society of Paediatric Oncology (SIOP), Kyoto, Japan.
11. Huang T. Y., **Tsai, J. L.**, Wang, W. C., & Shih, M. C. (2018). An emergency nursing experience of a patient with paraquat self-poisoning. *Tzu Chi Nursing Journal*, 17(2), 108-117 °

12. Tsai, P. L., Ho, P. R., Tsai, M. S., **Tsai, J. L.***, & Lien, A. S. Y.* (2018). The effectiveness of applying therapeutic play to oral hygiene education in a preschool-age child with odontogenic cellulitis. *Chang Gung Nursing*, 29(2), 294-304. [https://doi.org/10.6386/CGN.201806_29\(2\).0012](https://doi.org/10.6386/CGN.201806_29(2).0012)
13. **Tsai, J. L.** (2017). When Love is Together. *Childhood Cancer Foundation of the R.O.C. Newsletter*, 136, 16-17.
14. Lien, A. S. Y., **Tsai, J. L.**, Lee, J. T., Wu, M. Y., Jiang, Y. D., & Yen, H. R. (2017). A systematic review and meta-analysis of the effect of lifestyle modification on metabolic control in overweight children. *Evidence-Based Complementary and Alternative Medicine*, 2017, 5681909. <https://doi.org/10.1155/2017/5681909> (SCI)
15. Yeh, L. H., Lo, F. Y., Li, W. J., Kuo, T. L., & **Tsai, J. L.*** (2015). Applying therapeutic play to assist a preschool child with leukemia to reduce the fear of port-a insertion. *Chang Gung Nursing*, 26(4), 526-538. <https://doi.org/10.3966/168395442017121702010>
16. Chen, K. L., Chang, K. C., & Chou, Y. T., **Tsai, J. L.***, & Lien, A. S. Y. (2015). The effectiveness of applying therapeutic play to help a school-age child with pneumonia for lung expansion. *Chang Gung Nursing*, 26(4), 513-525. <https://doi.org/10.3966/102673012015122604013>
17. Lee, J. T. *, Lin, H. H., **Tsai, J. L.**, Chen, C. P., Huang, K. G., & Lien, A. S. Y. (2015). Transformation of sexual expression in Taiwanese women after treatment for gynecological cancer. *Cancer Nursing*, 38(6), 475-483. <https://doi.org/10.1097/NCC.0000000000000224> (SCI)
18. Tsai, P. L., **Tsai, J. L.**, & Shih, R. H. (2014). Chinese medicine treatment of somatization disorder: A case report. *New Taipei City Journal of Chinese Medicine*, 6(1), 37-48.
19. **Tsai, J. L.**, & Lien, A. S. Y.* (2014). Using concept mapping in nursing teaching. *Chang Gung Journal of Sciences*, 20, 13-21. <https://doi.org/10.6192/CGUST.2014.6.20.2>
20. Lien, A. S. Y., Cho, Y. H., & **Tsai, J. L.** (2013). Effectiveness evaluation of healthy lifestyle interventions in childhood obesity prevention: A systematic review. *The Journal of Nursing*, 60(4), 33-42. <https://doi.org/10.6224/JN.60.4.33>
21. **Tsai, J. L.**, Lee, Y. L.* & Hu, W. Y. (2012). Comfort: A concept analysis. *The Journal of Nursing*, 59(1), 77-82. <https://doi.org/10.6224/JN.59.1.76>
22. Lien, A. S. Y, **Tsai, J. L.**, Chen, T. Y., & Gau, B. S.* (2012, November). *Can lifestyle modification reduce the fasting plasma glucose for overweight & obesity children?--A systematic review and meta-analysis*. Poster session presented at the 9th IDF-WPR Congress, Kyoto, Japan.
23. Lee, J. T.* & **Tsai, J. L.** (2012). Transtheoretical model-based postpartum sexual health education program improves women's sexual behaviors and sexual health. *Journal of Sexual Medicine*, 9(4), 986-996. <https://doi.org/10.1111/j.1743-6109.2011.02419.x> (SCI)
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25. Chung, H. Y., & **Tsai, J. L.*** (2012). The effectiveness of therapeutic play on chest physiotherapy in a preschooler with bronchopneumonia. *National Taiwan University Hospital Journal of*

26. Lee, J. T., **Tsai, J. L.**, Tsou, T. S., & Chen, M. C. (2011). Effectiveness of a theory-based postpartum sexual health education program on women's contraceptive use: A randomized controlled trial. *Contraception*, 84(1), 48-56.
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[https://doi.org/10.6386/CGN.200909_20\(3\).0008](https://doi.org/10.6386/CGN.200909_20(3).0008)
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45. Lin, H. C., & **Tsai, J. L.*** (2006). A study of the process by which a school-age child adapted to body image changes following open-heart surgery. *The Journal of Nursing*, 53(5), 84-92.
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