



# MEI-LING CHEN

## DEPARTMENT HEAD & PROFESSOR

### EDUCATION

PhD University of Maryland at Baltimore (1997)

MS University of California, San Francisco, (1986)

BS National Taiwan University (1982)

### CONTACT INFORMATION

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### RESEARCH INTEREST

Symptom management in cancer patients

Patient-reported outcome measurement

### TEACHING COURSES

- Master program-Nursing  
Advance Medical-Surgical Nursing I & II, Advance  
Medical-Surgical Nursing Practicum I & II, Quantitative  
Nursing Research
- Doctoral program-Nursing  
Measurement: Theory and Application
- Master program-Medical education  
Research Methodology

### AWARDS

- 2001 Research Award of National Science Council,  
Taiwan
- 2000 Research Award of National Science Council,  
Taiwan
- 1999 Research Award of National Science Council,  
Taiwan
- 1998 Research Award of National Science Council,  
Taiwan

## FUNDED RESEARCH PROJECTS

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- Applying the ecological momentary assessment (EMA) method to examine the temporal relationship between cancer-related fatigue and physical activity in breast cancer survivors (2021-2024) (Ministry of Science and Technology, MOST)
- Routine use of patient-reported outcome measures (PROMs) in oncology practice: Developing an electronic PROMs system and evaluating the effects of its routine use (2018-2022)(MOST)
- Patterns of symptom trajectory in patients with late stage NSCLC: A comparison between never smokers and ever smokers (2016-2020)(MOST)
- Applying a computer-assisted measurement system to investigate change patterns of quality of life and symptoms in HCC patients receiving radiotherapy (2014-2018)(MOST)
- Quality of cancer pain management in terminal cancer patients: Comparison between hospice and non-hospice care (2012-2014)(Chang Gung Medical Research Project, CMRP)
- Hot flash, sleep disturbance and adherence to hormonal therapy in breast cancer women (2012-2015)(MOST)
- Assessing cognitive function of breast cancer women using the High Sensitivity Cognitive Screen (HSCS): A feasibility and psychometric study (2010-2013)(National Science Council, NSC)
- Use of and attitude held towards complementary and alternative medicine by cancer patients and oncology health professionals in Taiwan (2009-2010)(CMRP)
- The effect of a home-based exercise program on sleep and related symptoms in breast cancer women (2008-2011)(NSC)
- Arm morbidity and lymphedema in women treated for breast cancer: Incidence, risk factor and impact.(2007-2008)(NSC)

- Self-Management in COPD Patients : Instrument Development (2006-2008)(CMRP)
- Insomnia in Lung Cancer Patients: Prevalence, Characteristics, and Impact on Survival Time (2005-2008)(NSC)
- Prevalence, Time Course, Impact and Risk Factors of Symptoms After Breast Cancer Surgery—An International Collaboration Study (2005-2007)(NSC)
- Development and evaluation of a depression-reducing intervention for cancer patients: A prospective randomized clinical trial (Phase II) (2003-2005)(NSC)
- Development and evaluation of a depression-reducing intervention for cancer patients: A prospective randomized clinical trial (Phase I) (2002-2003) (NSC)
- The caregiving experience and its effects on health among family caregivers of cancer patients: A longitudinal study (2001-2003) (CMRP)
- Relationship between cancer pain and depression: A meta-analysis (2000-2001) (NSC)
- The Development and Testing of Cancer Caregiver's Need Q-sort Scale (1999-2000) (CMRP)
- The Impact of depression on health outcomes among cancer patients: A Prospective study (1999-2003) (NSC)
- Prevalence and predicting factors of depression in cancer patients (1998) (NSC)
- A causal model of depression in cancer patients with pain (1997-1999) (NSC)

## PUBLICATIONS

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1. Chen, C. Y., Huang, B. S., Hong, J. H., Joseph Chang, T. C., Chen, M. C., Tang, W. R., Shun, S. C., Chen, M. L.\* (2024) Persistent Fatigue in Patients with Hepatocellular Carcinoma Receiving Radiotherapy. *The Journal of Nursing Research*. 32(2):e319. Doi: 10.1097/jnr.0000000000000606.
2. Li, C. L., Chen, P. Y., Yang, T. Y., Joseph T. C. C., Tang, W. R., Chen, M. L.\* (2023). Changes in fatigue among cancer patients before, during, and after radiation therapy: A meta-analysis. *Worldviews on Evidence-Based Nursing*. doi: 10.1111/wvn.12672. (publish online)
3. Shen, W. C., Hou, M. M., Huang, T. L., Wang, C. H., Huang, Y. M., Chen, J. S., & **Chen, M. L.\*** (2023). Transdermal buprenorphine improves overall quality of life and symptom severity in cancer patients with pain. *Journal of Clinical Nursing*. 32(3-4), 539-547. doi:10.1111/jocn.16303.
4. W. Wantonoro, Shyu, Y. I. L., **Chen, M. L.**, Tsai, H. H., Chen, M. C., Wu, C. C. (2022). Functional Status in Older Persons After Hip Fracture Surgery: A Longitudinal Study of Indonesian Patients. *Journal of Nursing Research*. 30(3):e211. doi: 10.1097/JNR.0000000000000463.
5. Yang, C. C., **Chen, M. L.**, Liou, Y. F., Li, C. R., Chen, P. Y., Chiang, H. H., Chen, Y. J. (2022). Effects of music on anxiety and physiological responses in patients before gastroscopy. *Journal of Medical Sciences*. 42(1), 8-14. doi:10.4103/jmedsci.jmedsci\_190\_20.
6. Yang, C.C., Liu, C.Y., Wang, K.Y., Chang, Y.K., Wen, F.H., Lee, Y.C., **Chen, M.L.\*** (2021). Trajectory of smoking behavior during the first six months after diagnosis of lung cancer: A study from Taiwan. *Journal of Advanced Nursing*, 77(5), 2363-2373. doi:10.1111/jan.14745
7. Lee, J. T., Kuo, H. Y., Huang, K. G., Lin, J. R., & **Chen, M. L.\*** (2020). Diversity of sexual activity and correlates among women with gynecological cancer. *Gynecologic Oncology* 159(2), 503-508. doi.org/10.1016/j.ygyno.2020.08.005.
8. Li, C. Y., Lin, Y. C., Yang, T. Y., Chen, S. C., Chang, H. K., Shen, W. C., & **Chen, M. L.\*** (2020). Changes in hot flash experiences and related factors in women with breast cancer. *Menopause*, 27(5), 535-542. doi:10.1097/gme.0000000000001507
9. Kuo, W. Y., Shyu, Y. I. L., Wang, J. S., Chen, M. C., Wu, C. C., & **Chen, M. L.** (2019). Adherence to home-based rehabilitation in older adults with diabetes after hip fracture. *Nursing Research*, 68(5), 383-389. doi:10.1097/nnr.0000000000000371
10. Huang, H.P., Wen, F.H., Yang, T.Y., Lin, Y.C., Tsai, J.C., Shun, S.C., Jane, S.H., **Chen, M.L.\*** (2019). The effect of a 12-week home-based walking program on reducing fatigue in women with breast cancer undergoing chemotherapy: A randomized controlled study. *International Journal of Nursing Studies*, 99:103376. doi:10.1016/j.ijnurstu.2019.06.007
11. Yang, C.C., Liu, C.Y., Wang, K.Y., Wen, F.H., Lee, Y.C., & **Chen, M.L.\*** (2019). Smoking status among newly diagnosed lung cancer patients in Taiwan. *The Journal of Nursing Research*, 27(4):e32. doi:10.1097/jnr.0000000000000293
12. Liu, L. N., Lin, Y. C., Miaskowski, C., Chen, S. C., & **Chen, M. L.\*** (2017). Association between changes in body fat and disease progression after breast cancer surgery is moderated by menopausal status. *BMC Cancer*, 17:863. doi:10.1186/s12885-017-3869-1
13. 李家瑩、陳美伶\* (2016) · 乳癌婦女化療引起閉經之現象及其更年期症狀表現 · 護理雜

14. Chen, P. Y., Liu, Y. M., **Chen, M. L.\*** (2017). The effect of hypnosis on anxiety in patients with cancer: A meta-analysis. *Worldviews on Evidence-Based Nursing*, 14(3), 223-236.  
doi:10.1111/wvn.12215
15. Liu, Y. M., Jaing, T. H., Chen, Y. C., Tang, S. T., Li, C. Y., Wen, Y. C., . . . **Chen, M. L.\*** (2016). Quality of Life After Hematopoietic Stem Cell Transplantation in Pediatric Survivors: Comparison With Healthy Controls and Risk Factors. *Cancer Nurs*, 39(6), 502-509.  
doi:10.1097/NCC.0000000000000339
16. **Chen, M. L.\***, Liu, L. N., Miaskowski, C., Chen, S. C., Lin, Y. C., & Wang, J. S. (2016). Presurgical symptom profiles predict quality of life 2 years after surgery in women with breast cancer. *Support Care Cancer*, 24(1), 243-251. doi:10.1007/s00520-015-2784-8
17. Li, C. C., **Chen, M. L.**, Chang, T. C., Chou, H. H., & Chen, M. Y. (2015). Social support buffers the effect of self-esteem on quality of life of early-stage cervical cancer survivors in Taiwan. *Eur J Oncol Nurs*, 19(5), 486-494. doi:10.1016/j.ejon.2015.02.008
18. Huang, H. P., Wen, F. H., Tsai, J. C., Lin, Y. C., Shun, S. C., Chang, H. K., . . . **Chen, M. L.\*** (2015). Adherence to prescribed exercise time and intensity declines as the exercise program proceeds: findings from women under treatment for breast cancer. *Support Care Cancer*, 23(7), 2061-2071. doi:10.1007/s00520-014-2567-7
19. Yang, T. Y., **Chen, M. L.**, & Li, C. C. (2015). Effects of an aerobic exercise programme on fatigue for patients with breast cancer undergoing radiotherapy. *J Clin Nurs*, 24(1-2), 202-211.  
doi:10.1111/jocn.12672
20. Liu, L. N., Wen, F. H., Miaskowski, C., Lin, Y. C., Wang, J. S., Jeng, C., & **Chen, M. L.\*** (2014). Weight change trajectory in women with breast cancer receiving chemotherapy and the effect of different regimens. *J Clin Nurs*, 23(19-20), 2757-2768. doi:10.1111/jocn.12521
21. Huang, H. P., **Chen, M. L.\***, Liang, J., & Miaskowski, C. (2014). Changes in and predictors of severity of fatigue in women with breast cancer: A longitudinal study. *Int J Nurs Stud*, 51(4), 582-592. doi:10.1016/j.ijnurstu.2013.09.003
22. **Chen, M. L.**, Chen, Y. Y., & Tang, S. T. (2013). Latent class analysis identifies three subtypes of aggressive end-of-life care: a population-based study in Taiwan. *Eur J Cancer*, 49(15), 3284-3291. doi:10.1016/j.ejca.2013.05.005
23. Ling, S. F., **Chen, M. L.**, Li, C. Y., Chang, W. C., Shen, W. C., & Tang, S. T. (2013). Trajectory and influencing factors of depressive symptoms in family caregivers before and after the death of terminally ill patients with cancer. *Oncol Nurs Forum*, 40(1), E32-40. doi:10.1188/13.ONF.E32-E40
24. 劉莉妮、陳美伶\* (2013) · 乳癌婦女治療後體重與體脂肪之變化 · 台灣癌症醫學雜誌 · 29 (3) · 113-121。
25. **Chen, M. L.\***, Miaskowski, C., Liu, L. N., & Chen, S. C. (2012). Changes in perceived attentional function in women following breast cancer surgery. *Breast Cancer Res Treat*, 131(2), 599-606.  
doi:10.1007/s10549-011-1760-3
26. **Chen, M. L.\***, Chen, M. C., & Yu, C. T. (2011). Depressive symptoms during the first chemotherapy cycle predict mortality in patients with advanced non-small cell lung cancer. *Support Care Cancer*, 19(11), 1705-1711. doi:10.1007/s00520-010-1005-8
27. Pan, L. H., Tsai, Y. F., **Chen, M. L.**, Tang, R., & Chang, C. J. (2011). Symptom distress and self-

- care strategies of colorectal cancer patients with diarrhea up to 3 months after surgery. *Cancer Nurs*, 34(1), E1-9. doi:10.1097/NCC.0b013e3181e3ca21
28. Liu, L. N., Miaskowski, C., Wang, J. S., Chen, S. C., & **Chen, M. L.\***(2010). Accuracy of body mass index to determine obesity in women with breast cancer: an observational study of Taiwanese sample. *Int J Nurs Stud*, 47(8), 994-1000. doi:10.1016/j.ijnurstu.2010.01.002
29. Tsai, S. C., Liu, L. N., Tang, S. T., Chen, J. C., & **Chen, M. L.\*** (2010). Cancer pain as the presenting problem in emergency departments: incidence and related factors. *Supportive Care in Cancer*, 18(1), 57-65. doi:10.1007/s00520-009-0630-6
30. Lien, C. Y., Lin, H. R., Kuo, I. T., & **Chen, M. L.** (2009). Perceived uncertainty, social support and psychological adjustment in older patients with cancer being treated with surgery. *J Clin Nurs*, 18(16), 2311-2319. doi:10.1111/j.1365-2702.2008.02549.x
31. Shyu, Y. I., **Chen, M. L.**, Chen, M. C., Wu, C. C., & Su, J. Y. (2009). Postoperative pain and its impact on quality of life for hip-fractured older people over 12 months after hospital discharge. *J Clin Nurs*, 18(5), 755-764. doi:10.1111/j.1365-2702.2008.02611.x
32. 劉英妹、**陳美伶\*** (2009) · 護理研究之生理測量 - 正確性與精確度之探討 · *護理雜誌* · 56 (5) · 60-68 °
33. Chang, P. H., Lai, Y. H., Shun, S. C., Lin, L. Y., **Chen, M. L.**, Yang, Y., . . . Cheng, S. Y. (2008). Effects of a walking intervention on fatigue-related experiences of hospitalized acute myelogenous leukemia patients undergoing chemotherapy: a randomized controlled trial. *J Pain Symptom Manage*, 35(5), 524-534. doi:10.1016/j.jpainsymman.2007.06.013
34. Chen, K. H., **Chen, M. L.**, Lee, S., Cho, H. Y., & Weng, L. C. (2008). Self-management behaviours for patients with chronic obstructive pulmonary disease: a qualitative study. *J Adv Nurs*, 64(6), 595-604. doi:10.1111/j.1365-2648.2008.04821.x
35. **Chen, M. L.\***, Yu, C. T., & Yang, C. H. (2008). Sleep disturbances and quality of life in lung cancer patients undergoing chemotherapy. *Lung Cancer*, 62(3), 391-400. doi:10.1016/j.lungcan.2008.03.016
36. 胡懷文、**陳美伶**、廖玟君 (2008) · 大腸直腸癌病患口服化學治療服藥遵從性之初探性研究 · *中山醫學雜誌* · 19 (2) · 159-173 °
37. 楊千慧、**陳美伶\*** (2008) · 癌症病患之症狀群集 · *護理雜誌* · 55 (2) · 22-28 °
38. 歐淑玲、李絳桃、**陳美伶**、曾旭民 (2008) · 產婦性健康自我效能量表之發展 · *實證護理* · 4 (2) · 138-148 °
39. Chen, H. C., **Chen, M. L.\***, Lotus Shyu, Y. I., & Tang, W. R. (2007). Development and testing of a scale to measure caregiving load in caregivers of cancer patients in Taiwan, the care task scale-cancer. *Cancer Nurs*, 30(3), 223-231. doi:10.1097/01.NCC.0000270701.49543.64
40. **Chen, M. L.\***, & Lin, C. C. (2007). Cancer symptom clusters: a validation study. *J Pain Symptom Manage*, 34(6), 590-599. doi:10.1016/j.jpainsymman.2007.01.008
41. Tang, S. T., **Chen, M. L.**, Huang, E. W., Koong, S. L., Lin, G. L., & Hsiao, S. C. (2007). Hospice utilization in Taiwan by cancer patients who died between 2000 and 2004. *J Pain Symptom Manage*, 33(4), 446-453. doi:10.1016/j.jpainsymman.2006.09.027
42. **Chen, M. L.\***, & Tseng, H. C. (2006). Symptom clusters in cancer patients. *Support Care Cancer*, 14(8), 825-830. doi:10.1007/s00520-006-0019-8
43. Lin, C. C., Chang, A. P., **Chen, M. L.**, Cleeland, C. S., Mendoza, T. R., & Wang, X. S. (2006).

Validation of the Taiwanese version of the Brief Fatigue Inventory. *J Pain Symptom Manage*, 32(1), 52-59. doi:10.1016/j.jpainsymman.2005.12.019

44. 李秀枝、張文英、盧美秀、林佳靜、陳美伶 (2006) · 建構癌症病人疼痛護理標準及成效評估 · *新臺北護理期刊* · 8 ( 1 ) · 33-44 。
45. 林麗君、陳美伶、林佳靜、蔡培癸、陳秀娟 (2006) · 手術病患疼痛處置品質之探討 · *長庚護理* · 17 ( 1 ) · 1-10 。
46. 呂佩佩、丁興祥、陳美伶、唐婉如 (2005) · 學術洪流中護理研究的定位 - 從質性研究與量化研究之源流談起 · *護理雜誌* · 52 ( 6 ) · 76-81 。
47. 唐秀治、陳美伶、鍾國彪、賴美淑、鄭守夏、邱秀渝、邱昭華、孔憲蘭、蕭淑純 (2005) · 臺灣癌症中心病人面向的照護品質探討 · *中華癌症醫學會雜誌* · 21 ( 4 ) · 7-21 。
48. 陳玉萍、曾振淦、陳美伶、洪志宏、曾雁明、李弘暉 (2005) · 放射治療之惡性腦瘤患者接受另類療法與食物觀念的調查分析 · *放射治療與腫瘤學* · 12 ( 1 ) · 59-65 。
49. **Chen, M. L.\***, & Chang, H. K. (2004). Physical symptom profiles of depressed and nondepressed patients with cancer. *Palliat Med*, 18(8), 712-718.
50. **Chen, M. L.\***, Chu, L., & Chen, H. C. (2004). Impact of cancer patients' quality of life on that of spouse caregivers. *Supportive Care in Cancer*, 12(7), 469-475. doi:10.1007/s00520-004-0636-z
51. Lai, Y. H., Guo, S. L., Keefe, F. J., Tsai, S. L., Chien, C. C., Sung, Y. C., & **Chen, M. L.** (2004). Effects of brief pain education on hospitalized cancer patients with moderate to severe pain. *Support Care Cancer*, 12(9), 645-652. doi:10.1007/s00520-004-0626-1
52. 呂佩佩、陳美伶、鍾昌宏、唐婉如 (2004) · 癌症病患及家屬對不予急救的認知與態度 · *腫瘤護理雜誌* · 4 ( 1 ) · 15-22 。
53. 林玲華、林佳蓉、陳美伶\* (2004) · 癌症與非癌症手術後住院病患照顧者的負荷及其相關因素之初探 · *長庚護理* · 15 ( 2 ) · 141-155 。
54. 陳秀娟、陳美伶\* (2004) · 癌症病患家屬照顧者照顧工作之探討 · *長庚護理* · 15 ( 3 ) · 258-270 。
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58. 吳名珠、陳美伶、陳淑卿、劉會平 (2003) · 肺部手術病患術後疼痛、疲倦及希望之相關性探討 · *新臺北護理期刊* · 5 ( 1 ) · 25-36 。
59. 楊翠雲、陳美伶、王宏銘 (2003) · 肌肉放鬆於化學治療期間噁心及嘔吐之成效 · *長庚護理* · 14 ( 4 ) · 353-365 。
60. **Chen, M. L.\***, & Hu, L. C. (2002). The generalizability of Caregiver Strain Index in family caregivers of cancer patients. *Int J Nurs Stud*, 39(8), 823-829.
61. 李梅琛、賴裕和、陳美伶、劉淑娟 (2002) · 健康控制重心信念對術後病患使用非藥物疼痛因應策略之相關性 · *醫護科技學刊* · 4 ( 1 ) · 49-62 。
62. 林玲華、陳景彥、劉嘉逸、陳美伶\* (2002) · 癌症住院病患憂鬱狀態的盛行率及預測因

素·臺灣醫學·6(4)·535-545。

63. 徐麗琴、林佳靜、賴裕和、陳美伶 (2002) · 腫瘤護理人員對癌痛之評估及處置與相關因素探討 · *新臺北護理期刊* · 4 ( 2 ) · 29-38 。
64. **Chen, M.L.\***, Deng, S.L., & Chang, H.K. (2001). A comparison of the health locus of control and perceived social support between cancer and AIDS patients. *Scandinavian Journal of Caring Sciences*, 15(1), 92-98. doi:10.1046/j.1471-6712.2001.1510092.x
65. Yeh, C. H., **Chen, M. L.**, Li, W., & Chuang, H. L. (2001). The Chinese version of the Parenting Stress Index: a psychometric study. *Acta Paediatr*, 90(12), 1470-1477.
66. 向肇英、賴裕和、吳志雄、陳美伶、黃采薇 (2001) · 探討衛教護理處置對乳癌婦女焦慮及術後疼痛改善之成效 · *新臺北護理期刊* · 3 ( 1 ) · 91-102 。
67. 江靜儀、陳美伶\*、余文彬、黃慈心 (2001) · 接受放射線治療之腦瘤病患其身心困擾之探討 · *長庚護理* · 12 ( 4 ) · 271-281 。
68. 李梅琛、賴裕和、陳美伶、劉淑娟 (2001) · 病人疼痛特質與疼痛信念對手術後使用止痛藥物之影響 · *護理雜誌* · 48 ( 1 ) · 49-58 。
69. 胡綾真、陳美伶\*、陳明岐、林佳靜、林玲華 (2001) · 轉移性癌症病患之居家主要照顧者的照顧負荷及其影響因素 · *長庚護理* · 12 ( 4 ) · 282-293 。
70. 曾素美、翁麗雀、陳美伶\* (2001) · 接受部分胃切除手術的胃癌病患術後進食情況及其相關因素之探討 · *長庚護理* · 12 ( 3 ) · 208-219 。
71. 楊嘉玲、陳美伶\* (2001) · Q 研究法之簡介 · *長庚護理* · 12 ( 2 ) · 144-153 。
72. **Chen, M. L.\***, Chang, H. K., & Yeh, C. H. (2000). Anxiety and depression in Taiwanese cancer patients with and without pain. *J Adv Nurs*, 32(4), 944-951.
73. Yeh, C. H., Lee, T. T., **Chen, M. L.**, & Li, W. (2000). Adaptational process of parents of pediatric oncology patients. *Pediatr Hematol Oncol*, 17(2), 119-131. doi:10.1080/088800100276479
74. 蔡琇文、賴裕和、陳美伶、陳主智 (2000) · 癌症疼痛生理感覺特質與疾病不確定感關係之探討 · *護理研究* · 8 ( 1 ) · 59-70 。
75. **Chen, M. L.\*** (1999). Validation of the structure of the perceived meanings of cancer pain inventory. *J Adv Nurs*, 30(2), 344-351.
76. Shyu, Y. I., Lee, H. C., & **Chen, M. L.** (1999). Development and testing of the Family Caregiving Consequences Inventory for home nursing assessment in Taiwan. *J Adv Nurs*, 30(3), 646-654.
77. 陳佩英、史麗珠、王正旭、賴裕和、張獻崑、陳美伶\* (1999) · 疼痛對癌症病患焦慮與憂鬱之影響 · *臺灣醫學* · 3 ( 4 ) · 373-382 。
78. 陳美伶\* (1997) · 癌症疼痛的意義 · *護理新象* · 7 ( 8 ) · 1-8 。