

Biopscho-Oncology Care Group

DR. Mei-Ling Chen

Our team focuses on care of physical and psychological problems of cancer patients and their families. We are specifically interested in studying cancer-related symptoms such as pain, depression, fatigue, cognitive impairment, and sleep disturbance as well as longitudinal changes of these symptoms. In addition, we are also interested in developing electronic patient-reported outcomes measurement.

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International collaboration : Professor Christine Miaskowski at UCSF

Research Project :

Period	Project title	Corporate sponsor
2022/8/1-	Applying the ecological momentary assessment (EMA) method to examine the temporal relationship between cancer-related fatigue and physical activity in breast cancer survivors.	MOST(Ministry of Science and Technology)
2018/8/1-2021/1/31	Routine use of patient-reported outcome measures (PROMs) in oncology practice: Developing an electronic PROMs system and evaluating the effects of its routine use.	MOST
2016/8/1-2020/1/31	Patters of symptom trajectory in patients with late stage NSCLC: A comparison between never smokers and ever smokers	MOST
2015/11/1-2016/10/31	Impact of proton radiotherapy: Analysis of patient-reported outcomes and cost-effectiveness: Development and testing of the electronic measurement system of patient-reported outcomes	Chang-Gung Memorial Hospital
2015/11/1-2016/10/31	Impact of proton radiotherapy: Analysis of patient-reported outcomes and cost-effectiveness: Comparison of quality of life and symptom experiences in HCC patients receiving proton beam therapy or radiofrequency ablation: A randomized control trial	Chang-Gung Memorial Hospital
2014/8/1-2018/1/31	Applying a computer-assisted measurement system to investigate change patterns of quality of life and symptoms in HCC patients receiving radiotherapy	MOST
2012/10/1-2014/12/31	Quality of cancer pain management in terminal cancer patients: Comparison between hospice and non-hospice care	Chang-Gung Memorial Hospital
2012/8/1-2015/10/31	Hot flash, sleep disturbance and adherence to hormonal therapy in breast cancer women	National Science Council
2010/8/1-2013/11/30	Assessing cognitive function of breast cancer women using the High Sensitivity Cognitive Screen (HSCS): A feasibility and psychometric study	National Science Council
2009/9/1-2010/8/31	Use of and attitude towards complementary and alternative medicine by cancer patients and oncology health care professionals in Taiwan	Chang-Gung Memorial Hospital
2008/8/1-2011/7/31	The effect of home-based exercise on sleep problem and	National

	related symptoms in women with breast cancer	Science Council
2007/8/1-2008/7/31	Arm morbidity and lymphedema in women treated for breast cancer: Incidence, risk factor and impact.	National Science Council
2006/9/1-2008/8/31	Self-management in COPD Patients : Instrument development	Chang-Gung Memorial Hospital
2005/8/1-2008/10/31	Insomnia in lung cancer patients: Prevalence, characteristics, and impact on survival time	National Science Council
2005/2/1-2007/4/30	Prevalence, time course, impact and risk factors of symptoms after breast cancer surgery--an international collaboration study	National Science Council
2003/8/1-2005/10/31	Development and evuation of a depression-reducing intervention for cancer patients: A prospective randomized clinical trial (II)	National Science Council
2002/8/1-2003/12/31	Development and evuation of a depression-reducing intervention for cancer patients: A prospective randomized clinical trial (I)	National Science Council
2001/4/1-2003/12/31	The caregiving experience and its effects on health among family caregivers of cancer patients: A longitudinal study	Chang-Gung Memorial Hospital
2000/8/1-2001/7/31	The relationship between cancer pain and anxiety/depression: A meta-analysis study	National Science Council
1999/9/1-2000/12/31	The development and testing of 「 cancer caregiver's need Q-sprt scale 」	Chang-Gung Memorial Hospital
1999/8/1-2003/4/30	The impact of depression on health outcomes among cancer patients: A prospective study	National Science Council

Publication :

1. Shen, W. C., Hou, M. M., Huang, T. L., Wang, C. H., Huang, Y. M., Chen, J. S., & **Chen, M. L.*** (2022). Transdermal buprenorphine improves overall quality of life and symptom severity in cancer patients with pain. *J Clin Nurs*. doi:10.1111/jocn.16303. (publish online)
2. 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.
3. 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.

4. 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
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8. 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
9. 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
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11. 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 . *護理雜誌* , 63(5) , 19-26。
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14. **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
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- 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
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Conference :

1. Chen, M. L. (2017, July). *Changes in Anxiety and Depression after Diagnosis of Lung Cancer: The Role of Smoking Status*. Paper presented at the International Conference on Cancer Nursing 2017, Anaheim, America.
2. Chen, M. L., Ting, C. W., Tang, S. T., & Wang, H. M. (2015, September). *Quality of pharmacological pain management in terminally ill cancer patients: A comparison between hospice and non-hospice care*. Paper presented at the The European Cancer Congress 2015, Vienna, Austria.
3. Chen, M. L., Chen, Y. T., Tang, S. T., Ting, C. W., & Wang, H. M. (2014, December). *Quality of pain management for end-of-life cancer patients receiving hospice and non-hospice care: Pain assessment and patient education*. Paper presented at the 2014 World Cancer Congress, Melbourne, Australia.
4. Chen, M. L., & Yu, C. T. (2013, October). *Pre-treatment Symptom Profiles Predict Survival in Patients with Non-small Cell Lung Cancer*. Paper presented at the 15th World Conference on Lung Cancer, Sydney, Australia.
5. Chen, M. L. (2013, May). *Psycho-neurological symptom profiles of breast cancer women at diagnosis predict their quality of life two years after diagnosis*. Paper presented at the 13th World Congress of the European Association for Palliative Care, Prague, Czech Republic.
6. Chen, M. L. (2011, February). *The perceived attention function after breast cancer surgery: the change pattern and the effect of adjuvant treatment*. Paper presented at the 11th National Conference on Cancer Nursing Research, Los Angeles, America.
7. Chen, M. L. (2010, May). *Depressive symptoms during the first chemotherapy cycle predict mortality in patients with advanced non-small cell lung cancer*. Paper presented at the 35th ONS Congress, San Diego, America.
8. Chen, M. L. (2009, September). *The course of fatigue in women with breast cancer*. Paper presented at the Fifth Annual Chicago Supportive Oncology Conference 2009, Chicago, America.
9. Chen, M. L. (2008, August). *Why cancer patients visit emergency department: the chief complaints and influencing factors*. Paper presented at the 2008 UICC World Cancer Congress International Union Against Cancer, Geneva, Switzerland.
10. Chen, M. L. (2007, March). *Assessment of cancer symptoms*. Paper presented at the 2007 Annual Meeting of the Chinese Association for the Study of Pain (CASP), Taipei, Taiwan.
11. Chen, M. L., & Huang, P. H. (2007, February). *Symptom patterns of patients with nasopharyngeal cancer receiving radiation therapy*. Paper presented at the 9th National Conference on Cancer Nursing Research, Hollywood, America.
12. Chen, M. L., & Tseng, H. C. (2005, April). *Symptom clusters in cancer patients: Identification and*

- verification*. Paper presented at the Oncology Nursing Society 30th Annual Congress, Orlando, America.
13. Chen, M. L., & Tseng, H. C. (2005, February). *Cancer-related symptom profiles between depressed and non-depressed patients with cancer*. Paper presented at the 8th National Conference on Cancer Nursing Research, Fort Lauderdale, America.
 14. Chen, M. L. (2004, September). *The Perceived Meanings of Cancer Pain Inventory: An instrument measuring cognitive dimension of pain*. Paper presented at the The 48th Annual Meeting of Taiwan Society of Anesthesiologists, Taoyuan, Taiwan.
 15. Chen, M. L., Yang, H. Y., & Chang, H. K. (2004, April). *The impact of depression on survival of esophageal cancer patients*. Paper presented at the Oncology Nursing Society 29th Annual Congress, Anaheim, America.
 16. Chen, M. L. (2003, February). *The quality of life among spouse caregivers of cancer patient*. Paper presented at the 7th National Conference on Cancer Nursing Research, San Diego, America.
 17. Chen, M. L. (2002, August). *Cancer pain and hope*. Paper presented at the 12th International Conference on Cancer Nursing, London, UK.
 18. Chen, M. L., Lin, L. H., & Liu, C. Y. (2001, June). *The sensitivity and specificity of the Hospital Anxiety and Depression Scale-Depression subscale (HADS-D)*. Paper presented at the ICN 22nd Quadrennial Congress, Copenhagen, Denmark.
 19. Chen, M. L., & Chen, P. Y. (1999, August). *Anxiety and depression between cancer patients with and without pain*. Paper presented at the 9th World Congress on Pain, International Association for the Study of Pain, Vienna, Austria.
 20. Chen, M. L. (1998, July). *The perceived meanings of cancer pain: An instrument development*. Paper presented at the 10th International Nursing Research Congress, Sigma Theta Tau International, Utrecht, Netherlands.
 21. Chen, M. L. (1998). *Applying the generalizability theory in estimating the reliability of measures* Paper presented at the The Nursing Research Methodology Symposium, Sigma Theta Tau International Honor Nursing Society of Taiwan, Taipei, Taiwan.
 22. Chen, M. L. (1997). *The psychometric study of the Perceived Meanings of Cancer Pain Inventory*. Paper presented at the 14th Nursing Paper Presentation of the Nurses Association of Taiwan, Kao-Hsiung, Taiwan.