



Structural model of quality of life in women with breast cancer based on type D personality with mediating role of therapeutic compliance

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Abstract

Aim: To investigate the structural model of quality of life in women with breast cancer based on type D personality with mediating the role of compliance. **Method:** In this applied study, descriptive information of women with breast cancer referred to Shohada Tajrish Hospital and Azar Clinic in Tehran Collected in 2020. The sample size was determined to be 440 people. Data collection tools included demographic quality of life questionnaire (EORTC QLQ-BR23), personality type scale D and general and specific compliance questionnaire of chronic patients by Hayes et al. (1994). **Results:** The coefficient of variable trajectory of type D on the treatment adherence of women with breast cancer which is 0.694 and also the t-statistic is 7.121, the coefficient of trajectory of the disease on the quality of patients studied is 0.887 Also, a t-statistic of 9.283 and finally a variable coefficient of type D personality trait were observed on the quality of life of women with breast cancer (0.523) and also a t-statistic of 4.120, all of which had a significant effect. **Conclusion:** Type D personality has a significant effect on the quality of life of women with breast cancer through mediation of adherence therapy and reduces the quality of life.

Keywords: *Quality of life, Type D personality, Adherence to treatment, Breast cancer*

References

- Abiodun, P., Makanjuola, S., Anthonia, S., Adaeze, I., Oludara, M., Nasir, I., & Foluso, O. (2015). Level of adherence to cytotoxic drugs by breast cancer patients' in Lagos State University Teaching Hospital. *Journal of Cancer Therapy*. 6(04): 383-389.
- Alipour, A., Baradaran, M., & Alwandi Sarabi, M. (2015). Comparison of behavioral inhibition/activator system, type D and optimism in people with breast cancer and healthy people. *Armaghane Danesh, Journal of Yasouj University of Medical Sciences*, 20 (1): 43-52.
- Avis, NE., Levine, B., Goyal, N., Crawford, S. L., Hess, R., Colvin, A., Bromberger, J. T., & Greendale, G. A. (2020). Health-related quality of life among breast cancer survivors and noncancer controls over 10 years: Pink SWAN. *Cancer*. 126(10):2296-304.
- Bagheri, S., Mohammadi Masiri, F., Mir Seififard, L., & Moradi, Kh. (2019). The relationship between personality type D and self-compassion with health behaviors in women with breast cancer: the modifying role of perceived stress. *Contemporary Psychology, Iranian Journal of the Psychological Association*. 14 (1): 11-1.
- Kaptein, AA., Schoones, JW., van der Meer, PB., Matsuda, A., Murray, M., Heimans, L., Kroep, JR.(2021). Psychosocial determinants of adherence with oral anticancer treatment: 'we don't need no education'. *Acta Oncologica*. 60(1):87-95.
- Lam, WY., & Fresco, P. (2015). Medication adherence measures: an overview. Hindawi Publishing Corporation, BioMed research international. Article ID 217047, 12 pages.
- Mehrabi, F., Hekmat Poor, D., & Abolfathi, A. (2019). Relationship between demographic characteristics and quality of life in hospitalized patients with cancer. *Journal of Health Research*, 5 (1): 8-15.
- Mols, F., Thong, M., Denollet, J., Oranje, WA., Netea-Maier, RT., Smit, JW., & Husson, O. (2020). Are illness perceptions, beliefs about medicines and Type D personality associated with medication adherence among thyroid cancer survivors? A study from the population-based PROFILES registry. *Psychology & health*. 35(2):128-43.
- Muhaddesi, H., Ayatollahi, H., Hassanzadeh, G., & Yegan Sangi, M. (2012). Evaluating the quality of life in breast cancer patients treated at Omid Cancer Research Center - Urmia. *Iranian Journal of Breast Diseases*. 5(4): 35-43.
- Musa Rezaei, A., & Abbasi Jebeli, M. (2018). The relationship between quality of life and mental health in women with breast cancer referred to Isfahan Cancer Center. *Development of Health Nursing*. 9 (1).
- Park, HY., Seo, SA., Yoo, H., & Lee, K. (2018). Medication adherence and beliefs about medication in elderly patients living alone with chronic diseases. *Patient preference and adherence*. 12:175–181.
- Tolu, S., Rezvani, A., Karacan, İ., Bugdayci, D., Küçük, HC., Bucak, ÖF., & Aydin, T. (2020). Self-Reported Medication Adherence in Patients With Ankylosing Spondylitis: The Role of Illness Perception and Medication Beliefs. *Arch Rheumatol*. 35(4):495-505.