



**Tehran University of Medical Science
International Campus
Nursing and Midwifery School**

Title:

**Assessment Of Quality of Life and Related Factors in Cancer Patients
Undergoing Chemotherapy In AlNajaf Hospital of Iraq, 2023**

**"A thesis submitted as partial fulfillment of the requirement for
Master of Science (MSc) Degree"**

In

Medical- Surgical Department

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Abstract

- **Background:** The quality of life of cancer patients is the primary focus of treatment. Patients' quality of life can be used as a barometer for the success of nursing and medical interventions, as well as a window into their preferences, prognoses, and the unpleasant side effects of cancer treatment. This study assessed the quality of life and related factors in cancer patients undergoing Chemotherapy in Al Najaf Hospital of Iraq, 2023.
- **Methods:** A quantitative cross-sectional descriptive design was used. The study was conducted on cancer patients receiving chemotherapy at the National Hospital for Oncology and Hematology in Najaf, Iraq. The number of cancer patients participating in the study undergoing Chemotherapy was 150. The inclusion criteria of the study included cancer patients aged 18-60 years old, patients with all types of cancer, Patients receiving Chemotherapy (Alkylating, Antimetabolic, Anti-tumor, and Vinca Alkaloids methods), A cancer patient with metastasis(M1), A cancer patient with grade 3 and grade 4. The tools used in this study included two questionnaires. The first was for demographic information; the second was for the European Organization for Research and Treatment of Cancer. The validity of the content was approved by ten experts (CVI) (0.82), and Cronbach's alpha test calculated reliability ($\alpha=0.85$). Descriptive statistics were calculated using Statistical Package for Social Science (SPSS)- Version 20. Frequency, percentage, mean, and standard deviation calculations for the scales were calculated.
- **Results:** The results indicated that the mean score of the global health status/ QoL scale was (58.54 ± 11.64), while the mean score of the functional scale was (60.01 ± 13.49), indicating good quality of life. These findings indicated a moderate quality of life level as scores range between 0-100, where 100 represents the best quality level, and 0 represents the lowest quality level. The results also revealed that the mean score of the symptoms scale was (59.38 ± 12.33).
- **Conclusions and recommendations:** The QoL rating system showed that these patients' quality of life was severely diminished; most respondents claimed that problems with money, tiredness, discomfort, loss of appetite, sleeplessness, and constipation were all contributing factors. When these chemotherapy side effects are properly managed, it can increase survival rates and quality of life. Therefore, the researcher proposes rigorous monitoring, follow-up, and better management of those distinct symptoms encountered by the individuals. The researcher recommended more

studies to determine how different sociodemographic variables affect people's happiness.

- **Keywords:** Quality of Life, Chemotherapy, Cancer, Global Health Scale for cancer patients, Cancer patients