

Evaluate Anxiety Levels Among Cancer Patients Undergoing Neo-Adjuvant Chemotherapy at Tertiary Care Cancer Hospital Lahore, Pakistan

Authors & Affiliation

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BACKGROUND

- Chemotherapy effectively treats cancer but causes physical and psychological side effects.
- Anxiety is a major concern affecting patients' quality of life (Choi et al., 2022).

DATA ANALYSIS AND STATISTICAL METHODS

- Use SPSS version 25.
- Frequencies and percentages were calculated for categorical variables.
- The Chi-Square test use to see the associations among variable.

RESULTS

- The Results showed that the majority (85%) of patients experienced low anxiety, and only 15% had moderate anxiety.
- No significant association were observed across demographics.
- No high anxiety level found in any participants.

OBJECTIVE

To measure anxiety levels among cancer patients undergoing Neo-aadjuvant chemotherapy.

HYPOTHESIS

There are significant differences in anxiety levels among cancer patients undergoing neo-adjuvant chemotherapy

METHODOLOGY

Study Design: A cross-sectional analytical.

Setting: Chemotherapy Department at SKMCH & RC Lahore, Pakistan.

Duration: Approved by IRB. Siddiqui Anxiety Scale, Tool use for data collection.

Sample Size: 123 Patients

Sampling Techniques: Random sampling technique

Tool: Siddique Anxiety Scale

TABLE: ASSOCIATION BETWEEN DEMOGRAPHIC VARIABLES AND ANXIETY LEVELS (N = 123)

Variable	Categories	Low Anxiety n (%)	Moderate Anxiety n (%)
Age (years)	31–50	69 (85.2%)	12 (14.8%)
Gender	Female	65 (82.3%)	14 (17.7%)
Language	Urdu	77 (90.6%)	8 (9.4%)
Birthplace	Punjab	75 (85.2%)	13 (14.8%)
Marital Status	Married	87 (85.3%)	15 (14.7%)
Education Level	No Formal Education	39 (81.3%)	9 (18.7%)
Type of Cancer	Breast	44 (84.6%)	8 (15.4%)
	Blood	33 (84.6%)	6 (15.4%)
Time Since Diagnosis	< 3 months	70 (83.3%)	14 (16.7%)
Family History of Cancer	No	82 (84.5%)	15 (15.5%)

SIDDIQUE ANXIETY SCALE LEVELS

Anxiety Score	Level	Intervention
0-27	Low	Not required
28-54	Moderate	Refer to Psychologist
55-81	Severe	Immediate intervention by Psychologist

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REFERENCE

Choi, J.-I., Jung, S., Oh, G. H., Son, K.-L., Lee, K.-M., Jung, D., Shin, M.-S. (2022). The effect of temperament on the association between pre-treatment anxiety and chemotherapy-related symptoms in patients with breast cancer. *Psychiatry Investigation*, 19(11), 949

