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30	urnal or P	ORIGINAL RESEARCH PAPER		Nursing	
	ADIDEN C	MC HE	UDY TO ASSESS LEVEL OF ANXIETY ONG PATIENTS RECEIVING MOTHERAPY AT TERTIARY CARE PITAL, KARAD	KEY WORDS: Anxiety, Chemotherapy.	
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ABSTRACT	 Objectives: (1) Assess the anxiety level among patients receiving chemotherapy at tertiary care hospital, karad. 2) To find the association between level of anxiety and socio-demographic variables. Methods: The research approach adopted for this study was an evaluative approach, where the research design was a one group pre-test only research design. The study was conducted in the chemotherapy unit in Krishna Hospital, Karad. The sample consists of 60 patients undergoing chemotherapy treatment. A convenient sampling technique was used to select the sample. Every patients level of anxiety was assessed using Hamilton Anxiety Rating scale. The data were analyzed using descriptive and inferential statistics. Results: Among total samples 1 patient was having mild anxiety (1.67%), 2 patients were having moderate anxiety 				

(3.33%) and 57 patients were having severe anxiety (95%). **Conclusion:** The study results shows that the patients receiving chemotherapy having severe anxiety.

INTRODUCTION

Good health is imperative for all individuals to function as citizens, interact with others and be economically productive. Health can be affected due to many causes that may range from physical, social, and mental afflictions. One among them is the silent killer, cancer. Health is defined by WHO (1947) as a "State of complete physical, mental and social well being and not merely the absence of disease and infirmity.¹ Health is the ability of a biological system to acquire, convert, allocate, distribute and utilize energy with maximum efficiency.² The face of health care, including scientific knowledge and care delivery systems, is ever changing, Likewise, the experience of cancer is changing for our clients and families. Today a person confronted with a new diagnosis often knows someone who has survived cancer; yet cancer remains a frightening unknown for many.³

The World Cancer day is observed on 4 February every year. Cancer is the second leading cause of death worldwide⁴. The term cancer is used to refer to malignant neoplasm. Cancer is a disease of the cell in which the normal mechanisms for control of growth and proliferation have been altered. It is invasive, spreading directly to surrounding tissue as well as to new sites in the body⁵. In 2015, about 90.5 million people had cancer. About 14.1 million new cases occur a year (Not including skin cancer other than melanoma). It caused about 8.8 million death (15.7% of deaths). The most common type of the cancer in males are lung cancer, prostate cancer, colorectal cancer, and stomach cancer. In females, the most common types are breast cancer, colorectal cancer, lung cancer and cervical cancer.⁶

Everyone experiences some degree of anxiety on being confronted with illness, and certain physical and emotional symptoms associated with anxiety should be differentiated from the symptoms of the illness. Illness sometimes leads to introspective thoughts about the meaning of life. The ill person may begin to realize that life is short and death inevitable. Such thoughts produce anxiety; for some, this introspection can help uncover personal sources of strength and faith.⁷

Many people with cancer have symptom of anxiety. Anxiety

may be described as feeling nervous, on edge, or worried. It is a normal emotion that alerts your body to respond to a threat. But intense and long-term anxiety is a disorder. It may interfere with your daily life and relationships. Acute anxiety occurs in short episodes that end quickly. Chronic anxiety remains over time. A cancer diagnosis may trigger these feelings like, Fear of treatment or treatment-related side effects, Fear of cancer returning or spreading after treatment, Uncertainty, Worry over losing independence, Concern about having relationships change, Fear of death.⁸

Cancer has many side effects and most notable consequences are anxiety and depression. It is reported that 75% of patients at the final stage of cancer, experience anxiety. The previous studies in Iran indicated that 20% of cancer patients suffer from anxiety. Further more, cancer may cause feelings of displeasure, stay away from friends or family, lack of motivation and defeat intolerance, decreased libido, decease or increase in appetite and weight, decreased energy and cause fatigue, sleep disturbances, menstrual disorders, constipation, dry mouth, and headache.⁹

Chemotherapy is one of the treatment modalities for cancer patient. Chemotherapy= Chemo- Chemistry, Therapy-Treatment.¹⁰ Chemotherapy helps to: Cure-In some cases the treatment can destroy cancer cells to the point that your doctor can no longer detect them in your body, Control- In some cases it may only be able to keep cancer from spreading to the Other parts of your body or slow the growth of cancer tumors. Ease Symptoms-It helps to ease the symptoms.¹¹

Mechanism of Action: Antineoplastic drugs destroy tumor cells by interfering with the cellular function, metabolism and reproduction.¹²Some Short term side effects of chemotherapy includes Hair loss, Fatigue, Infertility, Lung Damage, Cognitive impairment, gastrointestinal damage and some long term side effects are Nervous tissue damage, Hematuria, Organ damage etc.¹³

So the investigator is interested to Assess The Level Of Anxiety Among Patients Receiving Chemotherapy At Tertiary Care Hospital, Karad.

PROBLEM STATEMENT

"A study to assess level of anxiety among patients receiving chemotherapy at tertiary care hospital, karad".

Objectives of The Study:

- 1) Assess the anxiety level among patients receiving chemotherapy at tertiary care hospital, karad.
- 2) To find the association between level of anxiety and sociodemographic variables.

METHODS:

The one group pre-test only research design was used to conduct the study among patients receiving chemotherapy in Krishna Hospital, Karad. Totally 60 chemotherapy receiving patients were allotted in the study by convenient sampling technique. The samples included in this study were who fulfilled the inclusion criteria with the age of 30-70 years both males and females, Speaks Marathi and able to write and read it and available at the time of data collection. Samples with sensory deprivation, not willing to participate, not able to read and write Marathi and not interested in listening music were excluded from the study.

Research Ethics Committee of the Krishna Institute of Medical Sciences Deemed University, Karad, had given permission before the data collection. After obtaining permission from the setting, the patients were asked their willingness to participate in the study and informed consent was obtained. After collecting the demographic data, the level of anxiety among patients receiving chemotherapy was assessed using a Hamilton anxiety rating scale.

DESCRIPTION OF THE TOOL

The structured questionnaire comprised two sections covering the following areas.

Section A: Demographic variables- Consists of questionnaire to collect the demographic data which consists of 13 items that includes age, sex, religion, habit, educational status, occupation, marital status, monthly income, residency, number of childrens, type of family, family history of cancer, and when diagnosed with cancer.

Section B: Hamilton Anxiety scale for anxiety- The Hamilton anxiety rating scale consists of 14 items designed to assess the severity of a patient's anxiety. Each of the 14 items contains a number of symptoms, and each group of symptoms is rated on a scale of zero to four, with '0' being a no anxiety, '1' indicate mild anxiety, '2' indicate moderate anxiety, '3' indicate severe anxiety and '4' being the most severe. All of these scores are used to compute an overarching score that indicates a person's anxiety severity.

RESULTS

Description of sample characteristics:

Among all the study participants, 33.33% were within the age group of 41-65 years, and most of them, i.e., 66.67% were female. Nearly 88.33% belongs to Hindu religion. Most of samples with no any habit were 61.67%. As per education is concerned 53.33% of sample were having secondary educational qualification. Among total samples 66.67% were not working and about 98.33% were married. The data concerning the economic status revealed that 53.33% were having income below 5000 Rupees per month and it was found that 85% were from village residency. The majority of samples, i.e., 53.33% were having more than 2 childrens. In relation to the type of family, it shows that the 70% were belongs to nuclear family. Most of the samples 80% were diagnosed with cancer in between 0-24 Months. (Table no. 1).

	Volume-8 Issue-6 June-2019 PRINT ISSN No. 2250 - 1991					
		uency And Percer aphicVariables(N=6		ribution Of		
Sr. No		Variables	Frequency	Percentage		
1	Age In Year	a)30-40	6	10		
		b)41-50	16	26.67		
		c)51-60	18	30		
		d)61-70	20	33.33		
2	Sex	a)Male	20	33.33		
		b)Female	40	66.67		
3	Religion	a)Hindu	53	88.33		
		b)Muslim	2	3.33		
		c)Christian	0	0		
		d)Other	5	8.33		
4	Habit	a) Tobacco Chewing	21	35		
		b)Smoking	2	3.33		
		c)Drink	0	0		
		d) None Of The Above	37	61.67		
5	Educational	a)Primary	16	26.67		
	Status	b)Secondary	32	53.33		
		c) Higher Secondary	5	8.33		
		d)Degree Holder	7	11.67		
		e)Uneducated	0	0		
6	Occupation	a)Working	20	33.33		
		b)Not Working	40	66.67		
7	Marital Status	a)Married	59	98.33		
		b)Unmarried	1	1.67		
8	Monthly Income	a)Below 5000 Rs	32	53.33		
		b)5000 - 10000 Rs	19	31.67		
		c)10000- 20000 Rs	7	11.67		
		d)Above 20000 Rs	2	3.33		
9	Residency	a)City	9	15		
		b)Village	51	85		
10	Number Of	a)l	4	6.67		

Level of Anxiety Among Patients Receiving Chemotherapy Table 2 indicates that most of the samples, i.e., 57 (95%) were having severe anxiety, 2 (3.33%) were having moderate anxiety and 1 (1.67%) were having mild anxiety.

21

32

3

42

18

12

48

53

3

2

2

35

53.33

5

70

30

20

80

88.33

5

3.33

3.33

Children b)2

Type Of

Family

Family

History Of

Cancer

When

Diagnosed

With

Cancer

111

12

13

c)More Than 2

b)Joint Family

a)0-24 Months

b)25-48 Months

c)49-72 Months

d)73-96 Months

a)Nuclear Family

d)None

a)Yes

b)No

Table 2: Frequency And Percentage Distribution Of LevelOf Anxiety Among Patient Receiving Chemotherapy.(N=60)

Grades	Scores	Pre-Test		
		Frequency	Percentage	
Mild	<17	1	1.67	
Moderate	18-24	2	3.33	
Severe	25-30	57	95	

Association of Level of Anxiety with Socio-Demographic Variables

Table 5 shows that there was no significant association between level of anxiety and socio-demographic variables at the level of p < 0.001.

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Sr. No	Variables		Le	evel Of Anxie	Chi-Square Value	P-Value	
			Mild	Moderate	Severe	1 -	
1	Age In Year	a)30-40	1	0	5	10.683	0.0987
	-	b)41-50	0	1	15		
		c)51-60	0	1	17		
		d)61-70	0	0	20		
2	Sex	a)Male	0	1	19	0.7500	0.6873
		b)Female	1	1	38		
3	Religion	a)Hindu	1	2	50	0.4171	0.9811
	-	b)Muslim	0	0	2		
		c)Christian	0	0	0		
		d)Other	0	0	5		
4	Habit	a)Tobacco Chewing	0	0	21	1.963	0.7426
		b)Smoking	0	0	2		
		c)Drink	0	0	0		
		d)None Of The Above	1	2	34		
5	Educational Status	<i>,</i>	0	0	16	5.997	0.4236
		b)Secondary	1	1	30		
		c)Higher Secondary	0	1	4		
		d)Degree Holder	0	0	7		
		e)Uneducated	0	0	0		
6	Occupation	a)Working	0	0	20	1.579	0.4541
· ·		b)Not Working	1	2	37		
7	Marital Status	a)Married	0	3	56	0.05352	0.8170
		b)Unmarried	0	0	1		
8	Monthly Income	a)Below 5000 Rs	0	2	30	3.937	0.6852
		b)5000 - 10000 Rs	1	0	18		
		c)10000-20000 Rs	0	0	7		
		d)Above 20000 Rs	0	0	2		
9	Residency	a)City	0	1	8	2.140	0.3431
Ũ		b)Village	1	1	49		
10	Number Of	a)1	0	0	4	3.631	0.7265
	Children	b)2	1	0	20		
		c)More Than 2	0	2	30		
		d)None	0	0	3		
11	Type Of Family	a)Nuclear Family	1	2	39	1.353	0.5083
	-) po or running	b)Joint Family	0	0	18		0.0000
12	Family History Of		0	0	12	0.7895	0.6739
	Cancer	b)No	1	2	45		0.0100
13	When Diagnosed	<i>,</i>	1	1	51	8.971	0.1752
10	With Cancer	b)25-48 Months	0	1	2	0.011	0.1100
		c)49-72 Months	0	0	2		
		d)73-96 Months	0	0	2		

DISCUSSION

The result of this study shows that the patients receiving chemotherapy having severe anxiety level.

The findings of different study of I Syed, MS. Moosabba and A. Alphonsa on effects of music therapy on anxiety, blood pressure and respiratory rate in patients undergoing chemotherapy, also indicate that, the mean (SD) pre-test anxiety score in Control group was 53-51(5.12) and mean (SD) pre-test anxiety score in Experimental group was 52.67(5.98) and the mean (SD). Thus anxiety among patients undergoing chemotherapy is high¹⁴.

CONCLUSION

The aim of this study was to assess the level of anxiety among patients receiving chemotherapy. The results of this study indicate that the patients receiving chemotherapy having severe level of anxiety. It is suggested that more nursing studies should come up to find various methods for assessing level of anxiety in patients receiving chemotherapy and management should be done to relive anxiety with treatment modalities like music therapy etc.

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