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V Jayanthi
Principal, Sree Narayana
Nursing College, Nellore,
Andhra Pradesh, India

N Subhashini
Assistant Professor, Sree
Narayana Nursing College,
Nellore, Andhra Pradesh, India

B Kavitha
Assistant Professor, Narayana
College of Nursing, Nellore,
Andhra Pradesh, India

Dr. Indira Arumugam
Principal, Narayana College of
Nursing, Nellore,
Andhra Pradesh, India

Assess the knowledge regarding side effects of chemotherapy among nursing students in Narayana College of nursing, Nellore

V Jayanthi, N Subhashini, B Kavitha and Dr. Indira Arumugam

Abstract

The study aims are to assess the level of knowledge regarding side effects of chemotherapy and to identify the relationship between the knowledge level and socio demographic variables of nursing students. The quantitative research approach and cross sectional descriptive design was adopted for the study. The study was conducted in Narayana college of Nursing. 100 nursing Students were selected by using Non Probability Convenience Sampling Technique. Structured Questionnaire method was used for collecting the information from samples. Data analysis done by using descriptive and inferential statistics. The results revealed that 71 (71%) nursing students have moderately adequate knowledge, 21(21%) nursing students having inadequate knowledge and only 8(8%) nursing students have adequate knowledge regarding side effects of chemotherapy. This study concluded that nursing students requires continue education regarding the chemotherapy and side effects for providing effective and prompt nursing care.

Keywords: Knowledge, side effects, chemotherapy, B.Sc. (n) students

Introduction

Cancer is an uncontrolled, unregulated growth of abnormal cells in a part of the body. There are many causes that may leads to cancer are chemical exposure, tobacco use although the cancer is often considered a disease of aging with the majority of cases diagnosed in those over the age of 55 years Chemotherapy is the treatment of cancer with one or more cytotoxic anti neoplastic drugs. Traditional chemotherapeutic agents act by killing cells that divide rapidly which is one of the main property of cancer cells. This means that chemotherapy also harms cells that divide rapidly under normal circumstances and leads to enormous side effects. Early identification of these side effects can relieve the patient suffering. Researcher taught to assess the level of knowledge of nursing students if any deficient in knowledge can be corrected by continue education programme there by improve their knowledge before going to practice in the clinical setting as staff nurses. Hence the researcher interestedly selected to identify the level of knowledge regarding side effects of chemotherapy.

Problem Statement

A study to assess the knowledge regarding side effects of chemotherapy among nursing students in Narayana College of nursing, Nellore.

Objectives

- To assess the level of knowledge regarding side effect of chemotherapy among nursing students.
- To find out the association between the level of knowledge regarding side effect of chemotherapy and socio demographic variables of nursing students.

Material and Methods

Cross sectional descriptive design was adopted for these study.100 Nursing students were selected by using non probability convenience sampling technique. The study was conducted in Narayana college of Nursing at Nellore after getting formal permission from concern authority. The purpose of the study explained to participants in their understandable language and obtained the informed consent from samples.

Correspondence

V Jayanthi
Principal, Sree Narayana
Nursing College, Nellore,
Andhra Pradesh, India

The structured questionnaire was administered to students for identifying the knowledge regarding side effects of chemotherapy.

Inclusion Criteria

- Those who are studying Third year and fourth year B.Sc. Nursing in Narayana Nursing institution, Nellore.
- Those who are willing to participate in the study
- Those who are available at the time of data collection

Exclusion Criteria

- On leave during the time of data collection
- Not willing to participate in the study

Method of Data Collection

The tool for data collection consists of 2 parts:

Part 1: socio-demographic data.

Part 2: Standard questionnaire for identifying the knowledge regarding side effect of chemotherapy.

Table 1: Plan for Data Analysis

S. No	Data analysis	Method	Remarks
1.	Descriptive statistics	Frequency, percentage distribution.	Distribution of socio demographic variables.
		Mean and standard deviation.	To assess the knowledge regarding side effect of chemotherapy
2.	Inferential statistics	Chi square	To find the association between the knowledge regarding side effect of chemotherapy with the selected socio demographic variables of nursing students.

Results and Discussion

The data was organized, tabulated, analyzed and interpreted by using descriptive and inferential statistics based on the Objectives of the study. The findings were presented in the following sections. The analysis of the data was mainly classified as:

Section-I: Frequency and percentage distribution of socio demographic variables of students

The majority of the students in relation to age 51 (51%) B.Sc. (N) students are between 21-23 years, in relation to year of course 52 (52%) B.Sc (N) students are studying 4th year. In context to 12 (12%) are got information from clinical practice in relation to attended any in service education regarding chemotherapy 63 (63%) students are not attended.

Section-II: Knowledge regarding side effects of chemotherapy among B.Sc. (N) students

The study results revealed that 71 (71%) nursing students have moderately adequate knowledge, 21(21%) nursing students having inadequate knowledge and only 8(8%) nursing students have adequate knowledge regarding side effects of chemotherapy.

Section-III: Mean and standard deviation of level of Knowledge among nursing students

The mean level of knowledge is 19.51 with standard deviation of 2.54.

Section-IV: Association between Level of knowledge and Socio Demographic Variables of nursing students

There is no significance between Level of knowledge and Socio Demographic Variables of nursing students.

Conclusion

The study findings reveal that majority of students has inadequate knowledge regarding side effects of chemotherapy. Hence there is a need to conduct CNE programme to enhance the knowledge for better care delivery in health care system.

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