

Assess the knowledge regarding home care management of colostomy among nursing students at Narayana College of nursing, Nellore

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Abstract

The study aims are to assess the knowledge of nursing students regarding home care management of colostomy and to identify the relationship between the knowledge level and socio demographic variables of nursing students. The quantitative research approach and descriptive design was adopted for the study. The study was conducted in Narayana College of nursing in Nellore. 30 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 5(16.6%) Nursing students had adequate knowledge, 18(60%) had moderately adequate knowledge and 7(23.3%) Nursing students had inadequate knowledge regarding preservation of food. The study concluded that majority of nursing students has moderately adequate knowledge regarding home care management of colostomy. Hence there is a need to educate regarding the colostomy care thereby can deliver the effective health education to patients with home care management of colostomy.

Keywords: knowledge, colostomy, home care, nursing students

Introduction

A colostomy is a surgical procedure to divert one end of the large intestine (colon) through an opening in the abdominal wall. A colostomy can be permanent or temporary. The anatomic location in colon is important description and influence the care of ostomy. In India the prevalence of colonic diseases is very high. It occurs about 4.7 in one lack people in male and one lack people in female. If 30 patients are undergone the surgery of colostomy, among 30, 28 patients are affecting with some complications due to poor home care management, intestinal obstruction, urinary tract infection etc.

Objectives

- To assess the level of knowledge on home care management of colostomy care among Nursing students
- To associate the level of knowledge regarding home care management with their selected socio demographic variables.

Materials and Methods

This cross sectional descriptive study was carried out to assess the knowledge regarding, home care management of colostomy care among Nursing students. This study was conducted in Narayana College of nursing, Nellore. After obtaining ethical clearance nursing students were selected by using non-probability convenience sampling technique. Informed Consent Was Obtained From Participants. The data was collected from sample by using structured Questionnaire method and responses

were documented. Statistical analysis was performed by using descriptive and inferential statistics.

Criteria for Sample Selection

Inclusion Criteria

- Those who are
- Available at the time of data collection
- Studying III year B.Sc nursing
- Willing to participate in the study

Exclusion Criteria

- Who are sick during the time of data collection, not willing to participate in the study?

Description of the Tool

The tool was developed with the help of related literature from various text books, journals, website, discussion and guidance from experts.

Part-I: Consists of socio demographic variables like age, religion and language

Part-II: Consists of structured questionnaire to assess the knowledge regarding on home care management of colostomy care.

Plan for Data Analysis

The data was analyzed in terms of objectives of the study using descriptive and inferential statistics.

Table 1

S. No	Data Analysis	Method	Remarks
1	Descriptive Statistics	Frequency, and Percentage distribution, Mean and Standard Deviation	Distribution of socio demographic variables. To determine the level knowledge regarding home care management of colostomy.
2	Inferential statistics	Chi-Square	To find out the association between level knowledge of nursing students regarding home care management of colostomy with selected socio socio demographic variables

Results

The data were organized and presented under the following Headings.

- **Section-I:** Frequency and percentage distribution of Socio demographic variables among nursing students
- **Section-II:** Frequency and percentage distribution based on the level of knowledge among nursing students regarding home care management of colostomy.
- **Section-III:** Mean and standard deviation of level of knowledge
- **Section- IV:** Association between the level of knowledge regarding home care management of colostomy among nursing students with their selected socio demographic

variables.

Section-I

Frequency and percentage distribution of Socio demographic variables among III YEAR B. Sc nursing students Majority of nursing students with respect to age 20(66.7%) are 20 years of age and with regard to religion 18(60%) are Hindu, in relation to language 23 (76.7%) nursing students belongs to Telugu.

Section-II

Frequency and percentage distribution based on the level of knowledge among nursing students regarding home care management of colostomy.

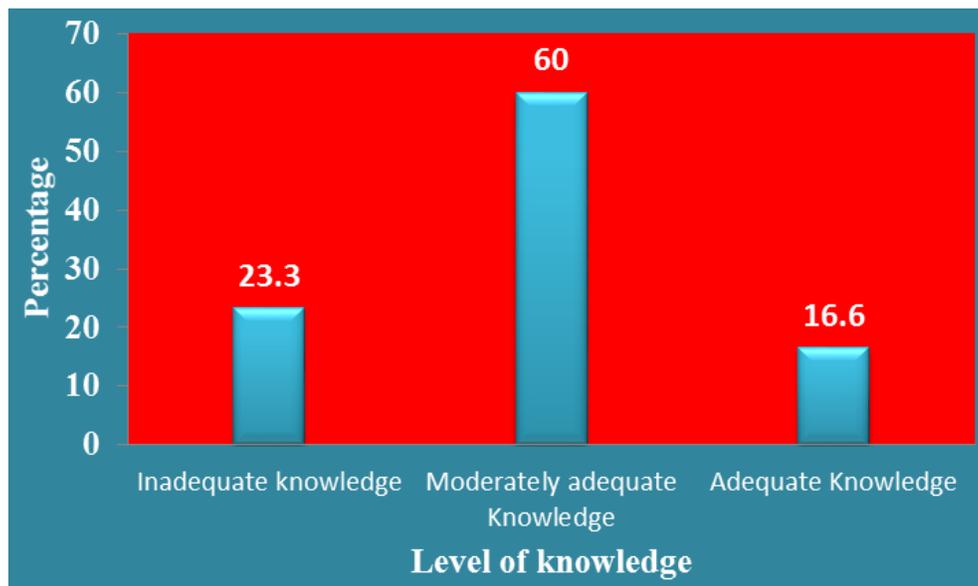


Fig 1

Section-III

Mean and standard deviation of level of knowledge

Table 2

Category	Mean	Standard deviation
Level of knowledge	19.1	3.3

Section- IV

Association between the level of knowledge regarding home care management of colostomy among nursing students with their selected socio demographic variables.

The study finding reveals that there is an association between the level of knowledge with socio demographic variables such age obtained calculated value 16.74 with table value 9.49 at P <0.05 level, and remaining variables has shown non-significant association with level of knowledge.

Conclusion

The study findings revealed that majority of nursing students have moderately adequate knowledge regarding home care management of colostomy. It indicates that need of continues nursing educational programmes for improving knowledge and skills for providing care and health education to patient with colostomy.

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