



Knowledge Regarding Comfort Devices among Nursing Students



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Abstract: Comfort is a concept central to the art of nursing; each individual brings physiological, social, spiritual, psychological and environmental characteristics that influences how comfort is interpreted and experienced. Comfort devices are invented articles which would add to the comfort of patient when used in the appropriate manner by relieving the discomfort and helping to maintain correct posture. It is the mechanical devices to promote comfort to the patient. **Objectives:** To assess the level of knowledge regarding comfort devices among nursing students. To find out the association between knowledge regarding comfort devices among nursing students with their selected socio demographic variables. **Material and method:** Study conducted by using the descriptive design, using Convenience sampling technique. **Statistical Analysis Used:** The collected data was organized, tabulated, analyzed and interpreted by using descriptive and inferential statistics based on the objectives of the study. **Results and Conclusion:** The study results reveals that level of knowledge regarding comfort devices .Out of 30 samples 10 (34) have inadequate knowledge 14(46 %) have moderately adequate knowledge 6 (20%) have adequate knowledge regarding comfort devices **Key words:** Comfort Devices, Nursing Students, Mechanical Devices

Introduction: Comfort is the state of free from pain and discomfort, tension and anxiety. Comfort as the contented enjoyment in physical or mental wellbeing freedom from pain or trouble, to promote comfort to the patient .For example the pillows are mechanical devices used to give comfort position to the patient. It supports various body parts, reduce the pressure and maintain the body positions.

The main purposes of the comfort devices in hospital are to maintenance of proper alignment, support to body parts, reduces pressure, facilitates easy breathing especially for heart patients and asthma, release the discomfort, immobilize the body parts to support in fractured bones. It will improves circulation prevent the pressure sores, prevent the shocks and hemorrhage etc.

The nurses are the basic health care providers who are meant to deliver quality of care providing comfort to patient is an essential aspects in nursing care which can involve use of comfort devices and nursing students should be able to apply their theoretical knowledge into practice.

NEED FOR STUDY

Salam Jibanlate Devi (2013) conducted a study to assess the effectiveness of comfort measures and repositioning to prevent pressure ulcers in hospitalized bedridden children. About 40 bedridden children's were enrolled in the study. They were provided comfort measures and to hourly change of position .The result shows that about half (40%) of the subjects were suffering from neurological condition followed by pulmonary and orthopedic problems, 10% had



undergone surgery .On the day of enrolment 41.6% were on high risk category and 20.9% were on very high risk category of developing pressure ulcers as per Braden scale.

Ruth Mary Jo Grup (2012) conducted a study to assess the back rest position in prevention of pressure ulcers and ventilator associated pneumonia. To prevent pressure ulcers, guidelines limit bed back rest evaluation to less than 30 degree. Where recommendation to reduce ventilator associated pneumonia include use of back rest evaluation of 30 degree or more all through a variety of risk factors beyond. Patient position have been identified for both pressure ulcers and ventilator associated pneumonia. This articles focuses on summarizing the major evidence for each of these apparently conflicting positioning strategies and discuss implication for managing mechanically ventilated patient with risk factors of both pressure ulcers and VAP.

PROBLEM STATEMENT

A STUDY TO ASSESS THE KNOWLEDGE REGARDING COMFORT DEVICES AMONG STUDENTS IN NARAYANA MEDICAL COLLEGE HOSPITAL, NELLORE.

OBJECTIVES

- To assess the level of knowledge regarding comfort devices among nursing students.
- To find out the association between knowledge regarding comfort devices among nursing students with their selected socio demographic variables.

OPERATIONAL DEFINITIONS

KNOWLEDGE: Information regarding comfort devices among nursing students gained by theoretical and practical knowledge. It was assessed by using structured questionnaire.

COMFORT DEVICES: Comfort devices are invented articles which would add to the comfort of patient when used in the appropriate manner by relieving the discomfort and helping to maintain correct posture.

STUDENT NURSE: Student who are studying nursing and getting training course in NMCH.

ASSUMPTION: Student Nurses may have some knowledge regarding comfort devices.

DELIMITATION: The study is delimited to nursing students.

- In Narayana College of Nursing only.
- Sample size of 30 only.
- Two week of data collection period only.

Research Approach: Quantitative Approach.

Research Design: descriptive design.

Research Setting: The study was conducted in Narayana college of Nursing at Nellore.

Sampling Technique: Convenience sampling technique.

Sample Size: The sample size of the study 30 nursing students from Narayana college of Nursing.

Criteria for sample selection

Inclusion criteria: The inclusion criteria for the present study were the following.

1. Student Nurses in Narayana College of Nursing, Nellore.
2. Student Nurses who are willing to participate in the study.

Exclusion criteria: The Student Nurses who are not available during the period of data collection.

Variables of the study: Demographic and research variables

Description of the Tool

PART I: Consist of Age, Language, course, Religion, Education, Education of Father, Education of Mother, Occupation of Father, Occupation of Mother.

PART II: Consist of self structured questionnaire to assess the knowledge level regarding comfort devices. It consists of 30 questionnaires.

Scoring interpretation

Level of knowledge	Score	Per (%)
Inadequate	1-14	<50%
Moderately adequate	15-21	>51-70%
Adequate	22-30	>70%



Results and Discussion:

Table-1: Level of Knowledge Regarding Comfort Devices among Nursing Students. (n=30)

Level of knowledge	Nursing Students	
	f	%
Inadequate	10	34
Moderately adequate	14	46
Adequate	6	20
Total	30	100

With regard to knowledge regarding comfort devices among Nursing Students, 10(34%) have inadequate knowledge 14(46%) have moderately adequate knowledge 6 (20%) have adequate knowledge regarding comfort devices.

Table-2: Mean of knowledge score and standard deviation regarding comfort devices among nursing students (n=30)

Level of knowledge	Mean	SD
Nursing students	18.06	4.33

Table-2 Shows that the mean score is 18.06 with standard deviation 4.33 among nursing students.

Table No - 3: Association between the level of knowledge regarding comfort devices among student nurses with their selected socio demographic variables (n=30)

Demographic Variables	In Adequate		Moderately adequate		Adequate		Chi-Square x ²
	f	%	f	%	f	%	
Age in years							C=7.81 T=9.49 df=4
a)20 years	-	-	10	33.3	5	17	
b)21 years	10	33.3	2	6.7	1	13.3	
c)22 years	-	-	2	6.7	-	-	NS P=0.02
Source of information							C=4.10 T=12.59 df=6
a)Textbook	2	6.7	6	20	8	26.6	
b)Journal	-	-	2	6.7	-	-	NS
c)Curriculum	4	13.3	4	13.3	2	6.7	P=0.05
d)Internet	-	-	2	6.7	-	-	
Attending Any CNE							C=4.6 T=5.99 df=2;NS
a)Attended	-	-	-	-	4	13.3	
b)Not attended	6	20	14	46.7	6	20	P=0.05

Table-3: In association with Age of nursing students, the calculated value is 7.81 and table value is 9.49 at P.0.02 level. The calculated value is greater than the table value, Hence there is no significance. In association with source of information among nursing students, the calculated value is 4.10 and table value is 12.59 at P.0.05 level. The calculated value is greater than the table value, Hence there is non significance. In association with attended any CNE programme of nursing students, the calculated value is 4.6 and table value is 5.99 at P.0.05 level. The calculated value is greater than the table value, Hence there is non significance.

Conclusion: The study concluded that student nurses, have moderately inadequate knowledge regarding comfort devices.

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