

Original Research

A Descriptive Study to assess the knowledge levels on first aid management of Burns among GNM Nursing Students at Rama College of Nursing, Mandhana, Kanpur, Up, India.

Mrs. Usha rani k¹., Mr. Adarsh².**ABSTRACT**

At any moment, you or someone around you could experience an injury or illness. Using basic first aid, you may be able to stop a minor mishap from getting worse. In the case of a serious medical emergency, you may even save a life. That's why it's so important to learn basic first aid skills. The objectives of the study were, to assess the knowledge levels on First aid management of Burns among GNM nursing students. To compare the knowledge levels on First aid management of Burns among GNM nursing students. To find out the association between knowledge levels on First aid management of Burns among GNM nursing students with their demographic variables. The Quantitative research approach with descriptive research design was used for the study. 40 first year GNM nursing students were selected by using simple random technique. The setting of the study was Rama College of nursing, Mandhana, Kanpur. Knowledge levels on First aid management of Burns among first year GNM nursing students were assessed by using structured knowledge questionnaire. The results of the study concluded that, the knowledge levels of nursing students out of 40 samples, 25(62.5%) students had moderate knowledge, 9(22.5%) students had inadequate knowledge and 6(15%) students had adequate knowledge. The calculated Mean was -10.4 and with SD-3.4, and there is no significant association at 0.05 level of significance with any selected demographic variables. Hence the study was concluded that as stated hypothesis H_1 is accepted and H_2 was rejected.

Key words: Knowledge levels, First aid management of Burns, GNM nursing students.

1 Introduction

At any moment, you or someone around you could experience an injury or illness. Using basic first aid, you may be able to stop a minor mishap from getting worse [1]. In the case of a serious medical emergency, you may even save a life. That's why it's so important to learn basic first aid skills. A burn occurs when some or all of the different layers of cells in the skin are destroyed by a hot liquid (scald), a hot solid (contact burns) or a flame (flame burns) [2].

2 Need For the Study

Burns pose a serious global public health problem with over 195 000 deaths annually from fire-related burns alone. Skin injuries due to ultraviolet radiation, radioactivity, electricity or chemicals, as well as respiratory damage resulting from smoke inhalation, are also considered to be burns [3].

Fire-related deaths are the 15th leading cause of death for children and young adults aged 5–29 years. Over 95% of fatal fire-related burns occur in low- and middle-income countries [4].

The highest mortality rates occur at the extremes of age; among children under 5 years and older people at 70 years and older [5].

3 Objectives of the Study

1. To assess the knowledge levels on First aid management of Burns among GNM nursing students.
2. To find out the association between knowledge levels on First aid management of Burns among GNM nursing students with their demographic variables.

4 Hypothesis

H1: There is a significance difference of knowledge levels on First aid management of Burns among GNM nursing students.

H2: There is a significance association between knowledge levels on First aid management of Burns among GNM nursing students with their demographic variables.

5 Assumptions

1. All the students may not have knowledge on First aid management of Burns.
2. May have knowledge difference between first year GNM students.

6 Delimitations

The Study Was Limited To

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- Rama College of nursing.
- 2 weeks of data collection.
- 40 samples only.

7 Methodology

Quantitative research approach with descriptive research design was used for the study. 40 first year GNM nursing students was selected by using simple random technique. The setting of the study was Rama College of nursing, Mandhana, Kanpur. A knowledge level on First aid management of Burns among GNM nursing students was assessed by using structured knowledge questionnaire.

8 Delimitations

The study is limited to

- Rama College of nursing, Mandhana, Kanpur.
- 40 first year GNM nursing students
- 2weeks of data collection with simple random sampling technique.

9 Inclusion and exclusion criteria

Inclusion criteria

- First year GNM nursing students
- Able to understand English only
- Willing to participate in the study

Exclusion criteria

- Not available at the time of data collection

Scoring Key

Knowledge category	Range of score
Adequate	15-21
Moderate	8-14
Inadequate	1-7

10 Methods of Data Collection

Section A: Demographic variables of first year GNM nursing students.

Section B: Structured knowledge questionnaire on first aid management of Burns.

11 Plan for Data Analysis

Formal permission was obtained from the principal, faculty of nursing, Rama University and 40 GNM nursing students was selected by using simple random sampling technique, and knowledge questionnaire on first aid management on Burns was administered among GNM nursing students.

Knowledge levels of the students were identified by using descriptive and inferential statistics.

Results and Findings

Section A: Frequency and percentage distribution of demographic variables of GNM nursing students N=40

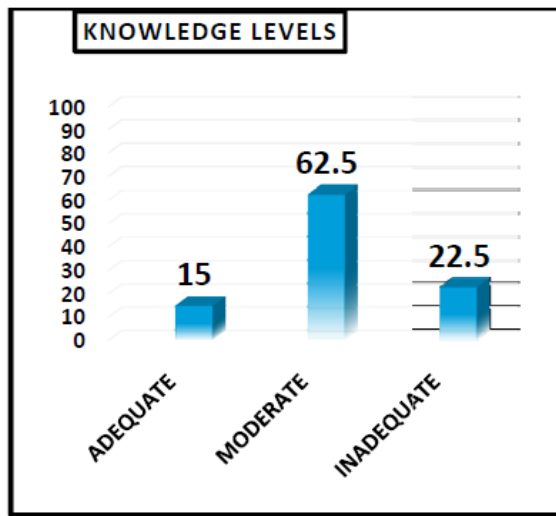
Age in Years		
Age in Years	F	%
17-19	21	52.5
20-22	10	25
Above 22	9	22.5
Religion		
Religion	F	%
Hindu	33	82.5
Muslim	2	5
Christians	0	0
Others	5	12.5
Type of Family		
Type Of Family	F	%
Nuclear	22	55
Joint	17	42.5
Extended	1	2.5
Area of Living		
Area Of Living	F	%
Rural	6	15
Urban	24	60
Semi Urban	10	25
Source of Information		
Source Of Information	F	%
Mass Media	28	70
Books/Class Teaching	12	30
Neighbors	0	0

Section B: Knowledge levels on first management of Burns among GNM nursing students and knowledge levels in terms of Mean and SD N=40

Knowledge Levels	F	%	Mean	Sd
Adequate	6	15	10.4	3.4
Moderate	25	62.5		
Inadequate	9	22.5		

The above table explains on knowledge levels of first aid management of burns among GNM nursing students was Moderate knowledge levels 25(62.5%), Inadequate knowledge levels 9(22.5%), Adequate knowledge levels 6(15%) and knowledge levels in terms of Mean was 10.4 and SD was 3.4.

Knowledge levels on first management of Burns among GNM nursing students



The above bar diagram explains, knowledge levels among first year GNM nursing students on first aid management of burns as moderate knowledge levels of 62.5%, inadequate knowledge levels as 22.5% and adequate knowledge levels 15%.

Section C: Association between knowledge levels on First aid management of Burns among GNM nursing students with their demographic variables.

There was no significant association between knowledge and demographic variables. Hence the stated H₁ is accepted and H₂ is rejected.

12 Major findings of the study

- The highest percentage of the students under the age category of 17-19 years.
- The majority of the students under the religion is identified as Hindus,
- The highest percentage of the students under the type of family were Nuclear,
- The majority of the students as identified under category as area of living were urban area,
- The majority of the students received knowledge with the help of mass media.
- The highest knowledge levels of the students identified under the knowledge category of moderate with Mean –10.4 and SD - 3.4, and there is no significant association with any demographic variables.
- Hence H₁ is accepted and H₂ is rejected.

13 Recommendations

- The similar study can be replicated on large samples
- Video assisted teaching module can be planned to increase the knowledge levels

14 Conclusion

Every nursing student should increase the knowledge on first aid management of burns for giving immediate care to the needy people in order to avoid complications with lack of skills while less span of time in every emergency situation. All nurses should enhance the knowledge on burns management.

References

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