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## A study to assess the effectiveness of structured teaching programme on knowledge regarding first aid for burns and it's prevention in under five children among GNM nursing second year students of swami Vivekanand nursing school, Simultala, Bihar

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### Abstract

Children are the future of every country and all societies strive to ensure their health and safety. Since India's independence, continuous efforts have been made to improve the status of children. The large burden of communicable, infectious and nutritional disorders is gradually on the decline due to massive efforts and investments by successive Indian government, even though it is an unfinished agenda. Parallel to these changes, it is also becoming apparent that children saved from disease of yesterday are becoming victim of injury on road, at home and in public, recreational places.

Children are naturally curious. As soon as they are mobile, begin to explore their surroundings and play with new objects, at the same time though, they come into contact with objects that can cause severe injuries playing with fire or touching hot objects can result in burns. This is a debilitating condition accompanied by intense pain and long term illness that creates suffering not only for the child but for the wider family and community.

A burn is defined as an injury to the skin or other organic tissue caused by thermal trauma, it occurs when some or all of the cells in the skin or other tissues are destroyed by hot liquids, hot solids or flames, radiation, radioactivity, electricity, friction or contact with chemicals are also considered as burns .

**Keywords:** Burns, degree of burns, structured teaching program, hypothesis, data collection method

### 1. Introduction

- To assess knowledge among 2<sup>nd</sup> year Bsc Nursing students of Sam College of nursing regarding first aid for burns and its prevention in under five children before the structured teaching programme.
- To evaluate the effectiveness of the structured teaching programme (STP) on knowledge of 2<sup>nd</sup> year G.N.M nursing students of Swami Vivekanand Nursing School, Simultala regarding first aid for burns and its prevention in under five children.
- To compare the pre-test and post-test knowledge scores among 2<sup>nd</sup> year G.N.M nursing students of Swami Vivekanand Nursing School, Simultala regarding first aid for burns and its prevention. In under five children

### Operational Definitions

**1. Assess:** It is the organized, systematic and continues process of collecting data and the statistical measurement of knowledge regarding first aid for burns and its prevention in under-five children by structured questionnaire.

**2. Effectiveness:** In this study, it refers to the extent to which the structured teaching programme is helpful in gaining knowledge by the 2<sup>nd</sup> year G.N.M nursing students of Swami Vivekanand Nursing School regarding first aid for burns and its prevention in under five children after structured teaching programme.

**3. Structured teaching programme:** In this study, it is systematically developed Programme with teaching aids, designed to impart knowledge, regarding first aid for burns and its prevention

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among G.N.M 2<sup>nd</sup> year students of Swami Vivekanand Nursing School

**4. Knowledge:** In this study, it refers to the awareness and understanding regarding first aid for burns and its prevention among 2<sup>nd</sup> year G.N.M Nursing students of Swami Vivekanand Nursing School as evaluated by structured questionnaire.

**5. Burn:** A burn is defined as an injury to the skin or other organic tissue caused by thermal trauma i.e. by heat, friction, electricity, radiation, or chemicals.

**6. Prevention:** It refers to the action taken by the 2<sup>nd</sup> year G.N.M nursing students of Swami Vivekanand nursing School prior to the occurrence and development of risk factors of burns in under-fives, which removes the possibility that risk factors will ever occur.

### Hypothesis

**H<sub>1</sub>:** There is a significant difference between the pre-test and post-test level knowledge scores among the 2<sup>nd</sup> year bsc nursing students of Swami Vivekanand Nursing School. Regarding first aid for burns and its prevention.

**H<sub>2</sub>:** There is a significant association between post-test level of knowledge of 2<sup>nd</sup> year G.N.M nursing students of Swami Vivekanand Nursing School and selected socio-demographic variable

### Sources of Data

**Research Design:** quasi experimental, One group pre-test and Post-test design

**Setting of the study:** selected G.N.M Nursing School

**Population:** 2<sup>nd</sup> year G.N.M nursing students of Swami Vivekanand Nursing School

**Sampling technique:** simple random technique

**Sample size:** Sample size will be sixty

### 7.2 Methods of Data Collection

After obtaining the permission from the concerned authorities the investigator will introduce herself to the study subjects and explains the purpose of study. The data will be collected by using structured questionnaire.

Description of the tool: Structured questionnaire Tool-1

**Part-A:** Proforma for collecting demographic data

**Part-B:** Structured questionnaire to assess the knowledge of 2<sup>nd</sup> year GNM nursing students of Swami Vivekanand Nursing School regarding prevention of Burns in children

**Tool 2:** Structured teaching programme regarding prevention of Burns in children

### Methods of Data analysis and interpretation

Pre and post test scores of knowledge will be analyzed through the following technique.

Descriptive statistics: Mean, standard deviation, range and mean score percentage will be used to quantify the level of knowledge before and after structured teaching programme.

### Conclusion

Inferential statistics: Paired t-test will be use to examine the effectiveness of structured teaching programme by comparing the pre- test and post- test score.

Chi-square test will be worked out to determine the association of socio-demographic factors of people with pre-test knowledge.

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