

A Study to Assess the Impact of Health Teaching on Knowledge of Nebulization Therapy among Mothers of Sick Children at Selected Hospitals, Chitradurga

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Abstract: This study explores the impact of Health Teaching on Knowledge of Nebulization Therapy among Mothers of Sick Children at Selected Hospitals, Chitradurga. A one group pretest posttest design was employed with 50 mothers of sick children. The pre-intervention mean knowledge score was 34.6% which significantly improved to 86.5 % post – intervention. Statistical analysis indicated significant improvement ($p<0.05$), validating the impact of the intervention.

Keywords: Study, Knowledge, Importance of Nebulization Therapy in Sick Children, Mothers of Sick Children, STP, Hospital

1. Introduction

Nebulisation drug therapy has a very important role in pediatric clinical nursing practice. With the development of new drugs such as genetic therapies, indications for using nebulizers will increase. Much more work is needed on the basics of drug delivery by inhalation to pediatric age groups to ensure reproducible delivery of adequate drug quantities to the desired site. In the treatment of ARI it is likely that delivery of bronchodilators and prophylactic medications by metered dose in haler and spacer will become more popular than nebulizer therapy, thereby decreasing treatment time and cost.

2. Objectives

- To assess the existing knowledge of nebulisation therapy among mother of sick children.
- To provide health teaching on nebulisation therapy for mothers of sick children.
- To evaluate the effectiveness of health teaching programme on knowledge regarding the nebulisation therapy among of sick children.
- To find out the association of pre-test knowledge scores of mothers of sick children regarding nebulisation therapy with selected demographic variables.

3. Methodology

The study adopted a pre-experimental one-group pre-test post-test design. The conceptual framework was based on King's Goal Attainment Theory. A Convenient sample of 50 Mothers of sick Children at Basappa Multi- speciality Hospital, Chitradurga was selected. A structured questionnaire was used to assess knowledge before and after

the intervention. Data were analyzed using descriptive and inferential statistics, including paired t-tests and chi-square tests.

4. Results

The results indicated a significant increase in knowledge following the intervention

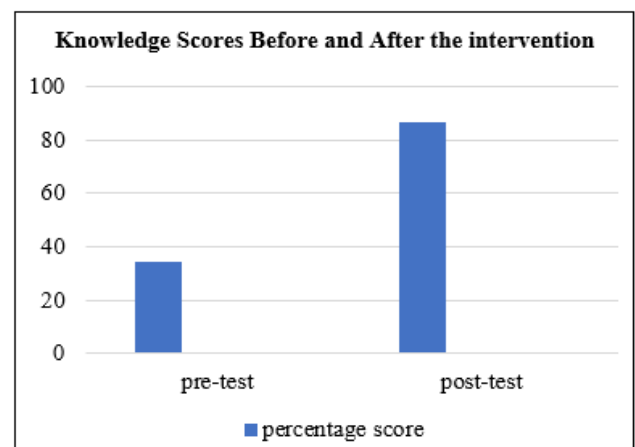


Figure 1: Knowledge Scores Before and After the intervention

Table 1: Comparison of Pre-test and Post-test Knowledge Scores

Test	Mean Score (%)	Standard Deviation	Improvement (%)
Pre-test	34.6	14.07	---
Post-test	86.5	5.27	51.9

The improvement percentage in knowledge score is visualized below.

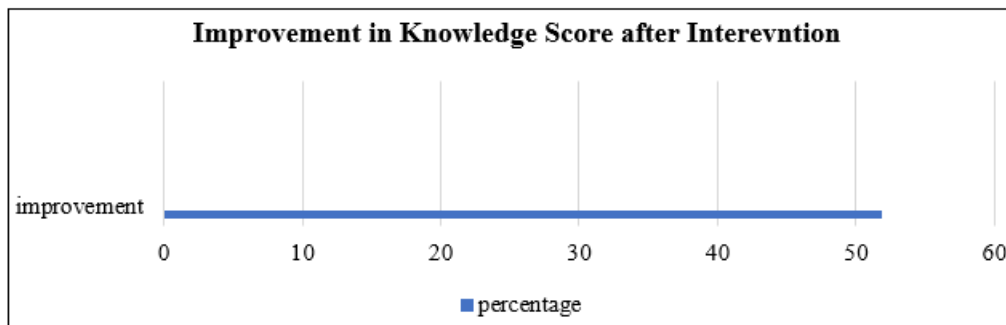


Figure 2: Improvement in Knowledge Score after Intervention

5. Conclusion

As the mean post test score is significantly higher than that of the pre-test it is evident that the knowledge of mothers of sick children was improved after the educational intervention. The tool developed can be used to identify individuals in need of educational intervention as well as to assess the effectiveness of knowledge of among the mothers of sick child. Implications of various aspects of nursing care addressed and recommendation for the future research are discussed.

6. Recommendations

- A similar study can be conducted on a larger sample which may help to draw more definite conclusion and make generalization.
- The study may be replicated in different settings especially urban and rural areas.
- A pre-experimental study can be conducted with structured teaching programme.
- A comparative study may be conducted between the community population and urban population
- Mass and individual education programme in regional languages can be organized to educated the mother of sick children.

References

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