

Use of Personal Protective Equipment's for Prevention of Covid-19 Infection among Students of Selected Nursing College of Kashmir

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Authors' contributions

This work was carried out in collaboration among all authors. All authors read and approved the final manuscript.

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ABSTRACT

Background: Covid19 has affected people all over the world especially health care workers who are constantly exposed to this virus while providing services to their clients. They need to be up to-date regarding infection prevention measures like the use of personal protective equipment's.

Aim: To assess the pre-test and Post-test knowledge and Practice score related to use of personal protective equipment's. To find association of knowledge & practice with selected demographic variables.

Methods: A pre-experimental one group pre-test post-test design was adopted for the study. 60 B.Sc. Nursing students from SMMCNT, IUST, Awantipora, Kashmir and Institute of Nursing, South Campus, University of Kashmir were selected by Convenient Sampling technique. A standardized questionnaire and observational checklist was used to collect the data. Descriptive & Inferential statistics was used to analyze the data.

Results: Study reveals that 6.7% of the subjects had inadequate knowledge, 93.3% subjects had moderate knowledge while only 0% subjects had adequate knowledge during Pre-test. Pretest practice score revealed that 8.3% of subjects had poor practice, 78.3% of subjects had average practice and 13.3% of subjects had good practice regarding the use of PPE's. Post-test knowledge score revealed that 0% subjects had inadequate knowledge, 13.3% subjects had moderate

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knowledge and 86.7% subjects had adequate knowledge regarding the use of PPE's. Post-test practice score revealed that 0% subjects had poor practice, 15% subjects had average practice and 85% subjects had good practice regarding the use of PPE's.

This indicates that the mean post-test knowledge scores i.e. 23.47(78.20%) is higher than the mean pretest knowledge scores i.e. 13.72(45.7%). The mean posttest practice scores i.e. 9.93(82.80) is higher than the mean pretest practice scores i.e. 6.88(57.40).

Conclusion: The results revealed that Instructional Module was highly effective as there was significant increase in the post-test knowledge and practice scores among the B.Sc. Nursing students of SMMCNT, IUST Awantipora, Kashmir and Institute of Nursing, South Campus, University of Kashmir.