

**“IMPACT OF VIDEO ASSISTED TEACHING ON KNOWLEDGE REGARDING
INFECTION CONTROL AMONG 2 ND YEAR GNM STUDENTS IN SMT
NAGARATHNAMMA COLLEGE OF NURSING BANGLORE.”**



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BACHELOR OF SCIENCE IN NURSING

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CERTIFICATE

**THIS IS TO CERTIFY THAT THE PROJECT WORK ENTITLED HAS
BEEN SUCCESSFULLY CARRIED OUT BY,
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FOR THE BACHELOR OF SCIENCE IN NURSING FROM RAJIV
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DECLARATION BY THE CANDIDATE

I hereby declare that this project entitled " IMPACT OF VIDEO ASSISTED TEACHING ON KNOWLEDGE REGARDING INFECTION CONTROL AMONG 2 ND YEAR GNM STUDENTS IN SMT NAGARATHNAMMA COLLEGE OF NURSING BANGLORE ” is a Bonafide and genuine research work carried out by Mr. Abhijith Johnson, Mr Abhiram A, Mr. Abunajumu under the guidance of Ms. Shahida Bano, Lecturer, Obstetrics and gynaecological Nursing, Smt. Nagarathnamma College of Nursing, 69/80, Acharya Institute, Dr Sarvepalli Radhakrishnan Road, Soladevanahalli, Bangalore-560107.

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I hereby declare that this project entitled " IMPACT OF VIDEO ASSISTED TEACHING ON KNOWLEDGE REGARDING INFECTION CONTROL AMONG 2 ND YEAR GNM STUDENTS IN SMT NAGARATHNAMMA COLLEGE OF NURSING BANGLORE" is a bonafide and genuine research work carried out by Mr Abhijith Johnson, Mr Abhiram A, Mr. Abunajumu, in partial fulfilment of the requirement for the basic BSc. Nursing

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ENDORSEMENT BY THE PRINCIPAL

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ABSTRACT

IMPACT OF VIDEO ASSISTED TEACHING ON KNOWLEDGE REGARDING INFECTION CONTROL AMONG 2 ND YEAR GNM STUDENTS IN SMT NAGARATHNAMMA COLLEGE OF NURSING BANGLORE.

BACKGROUND OF THE STUDY:

Infection control addresses factors related to the spread of infections within the healthcare setting, whether among patients, from patients to staff, from staff to patients, or among staff. This includes preventive measures such as hand washing, cleaning, disinfecting, sterilizing, and vaccinating. Infection control is the discipline concerned with preventing nosocomial or health care associated infection, a practical sub discipline of epidemiology infection, it is a vital through often non-supported and not recognized as a part of health care. Hospital acquired infection (HAI) is a major global safety concerned for both patient as well as health care professionals. Many factors stimulate infection among hospitalized patient- „decreased resistance among patient“. „Increasing variation of medical procedure and invasive techniques crafting potential roots of infection“ and the transmission of drug -resistant bacteria is packed among hospital population where poor practice in infection control may facilitate transmission.

OBJECTIVES OF THE STUDY

1. To assess the existing level of knowledge regarding infection control among nursing students at selected nursing colleges, Bangalore.
2. To assess the post-test level of knowledge regarding infection control among nursing students at selected nursing colleges, Bangalore.
3. To evaluate the effectiveness of video assisted teaching on knowledge regarding infection control & its prevention among nursing students at selected nursing colleges, Bangalore.
4. To find out the association between post-test knowledge scores with the selected demographic variable among nursing students at selected nursing college, Bangalore

METHODOLOGY

True-experimental design (one group pre-test post-test design) was used to study of effectiveness of video assisted teaching on knowledge regarding infection control among nursing students. 60 Nursing students from 2nd year GNM were recruited by non-probability convenient sampling technique. Necessary administrative permission was obtained from concerned authority. Structured interview schedule was used to elicit the

baseline data and structured questionnaires were used to elicit the knowledge of nursing students regarding infection control. The study was conducted in Smt Nagarathanamma College of nursing Bangalore; 60 samples were selected for the present study.

RESULT

A **paired t-test** revealed a statistically significant knowledge gain in students, with a **t-value of 28.44** and a **p-value of <0.001**, indicating a **highly significant difference at 0.1% level ($p < 0.001$)**. The degrees of freedom (df) were 59, assuming sample sizes of 60 students.

These results strongly support the effectiveness of the video assisting teaching approach in enhancing student knowledge.

CONCLUSION

The present study aimed to evaluate the impact of video-assisted teaching on knowledge regarding infection control among 2nd-year GNM students at Smt. Nagarathnamma College of Nursing, Bangalore. The findings revealed that:

1. Baseline knowledge of the students regarding infection control was generally inadequate, highlighting the need for effective teaching strategies.
2. Video-assisted teaching significantly improved students' knowledge, as evidenced by higher post-test scores compared to pre-test scores.
3. The study confirms that innovative educational interventions, such as video-assisted teaching, are effective tools for enhancing nursing students' understanding of infection control and its preventive measures.
4. Certain demographic variables may influence the effectiveness of learning, suggesting that educational strategies can be further tailored to meet diverse learner needs.

Overall, the study concludes that video-assisted teaching is a valuable and effective method for improving knowledge regarding infection control among nursing students, thereby contributing to better infection prevention practices in clinical settings.

KEY WORDS:

Knowledge, Effectiveness, Video Assisted teaching, Infection control

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