

**“A STUDY TO ASSESS THE KNOWLEDGE
REGARDING PREVENTION AND MANAGEMENT OF
DIABETIC FOOT AMONG 4TH YEAR B.S.C NURSING
IN SELECTED COLLEGE”**



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IV Year B. Sc Nursing (2021-2025)
Research project submitted to
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CERTIFICATE

**THIS IS TO CERTIFY THAT THE PROJECT WORK ENTITLED HAS
BEEN SUCCESSFULLY CARRIED OUT BY,
IVTH YEAR B.SC NURSING STUDENTS
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**SUBMITTED AS A PARTIAL FULLFILLMENT OF REQUIREMENTS
FOR THE BACHELOR OF SCIENCE IN NURSING FROM RAJIV
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DECLARATION BY THE CANDIDATE

I hereby declare that this project entitled "A Study to Assess the knowledge Regarding Prevention and management of Diabetic foot among 4th year B.s.c Nursing Students in a Selected College " is a bonafide and genuine research work carried out by Mr.Dany sunil ,Jibin George,Joemol J.

Under the guidance of Mr.Syam Mohanlal,Associate Professor,Medical Surgical Nursing, Smt. Nagarathnamma College of Nursing, 69/80, Acharya Institute, Dr Sarvepalli Radhakrishnan Road, Soladevanahalli, Bangalore-560107.

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Place: Bengaluru

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CERTIFICATE BY THE GUIDE

I hereby declare that this project entitled “A Study to Assess the knowledge Regarding Prevention and management of Diabetic foot among 4th year B.s.c Nursing Students in a Selected College ” is a bonafide and genuine research work carried out by Mr. Dany Sunil, Mr. Jibin George, Ms. Joemol J.in partial fulfilment of the requirement for the basic Bsc .Nursing

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ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research project entitled "A Study to Assess the knowledge Regarding Prevention and management of Diabetic foot among 4th year B.s.c Nursing Students" is a bonafide research work done by Mr. Dany Sunil, Mr.Jibin George, Ms .Joemol J , as a partial fulfillment of the requirement for the degree Bachelor of Science in Nursing under the guidance of Mr.Syam Mohanlal Associate professor, Department of Medical Surgical Nursing, Smt. Nagarathnamma College of Nursing.

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Abstract

Diabetic foot is a prevalent and severe complication of diabetes mellitus, often leading to infections, ulcers, and lower limb amputations. Proper education and knowledge among healthcare providers, particularly nursing students, play a critical role in preventing and managing diabetic foot complications. This descriptive study aimed to assess the level of knowledge regarding prevention and management of diabetic foot among 4th year B.Sc. Nursing students at Smt. Nagarathnamma College of Nursing, Bengaluru. The study also examined associations between knowledge levels and selected socio-demographic variables.

A quantitative research approach with a descriptive research design was employed. A total of 60 4th year B.Sc. Nursing students were selected using a convenient sampling technique. Data was collected using a structured self-administered questionnaire, which included both demographic details and 30 knowledge-based questions. The findings revealed that 58.33% of students had average knowledge, 35% had poor knowledge, and only 6.67% demonstrated good knowledge. The overall mean score was 12.01 out of 30 (40.03%), indicating a moderate understanding of diabetic foot care.

Chi-square analysis showed a statistically significant association between religion and knowledge level, while other demographic variables such as age, locality, family type, and prior sources of information showed no significant relationship. The results highlight the necessity of strengthening the curriculum and clinical exposure to improve nursing students' awareness and competence in diabetic foot management. Recommendations include curriculum enhancement, hands-on clinical training, and the integration of case-based learning methods to address existing knowledge gaps.

KEYWORDS:Diabetic foot,Nursing education,Knowledge assessment,B.s.c nursing students,Diabetic complications,Foot ulcer prevention,Clinical training,Structured questionnaire,Health education,patient care management.

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RESEARCH PRESENTATION

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RESEARCH GUIDE

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STATEMENT OF THE PROBLEMS

“A Study to Assess the Knowledge Regarding Prevention and Management of Diabetic Foot among 4th year BSC Nursing Students in a Selected College”

OBJECTIVES

- To assess the Level of Knowledge on Prevention and Management of Diabetic Foot among BSC Nursing Students.

- To find the Association between with Pre-test Knowledge score with selected Demographic Variables

HYPOTHESIS

- There is a Significant difference in the level of Knowledge regarding Prevention and Management of Diabetic Foot at selected Nursing College.
- There is a Significant gap between Health-care providers Theoretical Knowledge and Practical Application of Diabetic Foot care Protocols.