

Knowledge regarding prevention of diabetic foot among patient with diabetic mellitus in Narayana Medical College Hospital, Nellore

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Abstract: Diabetes Mellitus is a group of metabolic disorders characterized by elevated levels of glucose in the blood (hyperglycemia), resulting from defects in insulin secretion, insulin action or both. Diabetic foot ulcers are the most common foot injuries leading to lower extremity amputation. The long term effects of hyperglycemia contribute to macro-vascular complications such as coronary artery disease, cerebro-vascular disease, microvascular and neuropathic. The foot is particularly vulnerable to circulatory and neurological disorders, so that even minor foot injuries can lead to ulcerations and infections.

OBJECTIVES: To assess the knowledge regarding the prevention of diabetic foot among patients with diabetic mellitus. To find out the association between knowledge regarding the prevention of diabetic foot among patients with diabetic mellitus. **METHODOLOGY:** quantitative research approach was adopted. descriptive design was used. The Setting of the study was Narayana medical college hospital. The Target population was patients with diabetic mellitus. The Sample technique was convenient sample technique. The Sampling size was 60 patients with diabetes mellitus. **RESULTS:** The result shows that among 60 diabetic mellitus client - 88.3% have inadequate knowledge, 11.7% have average knowledge and no body have adequate knowledge. It shows that age, gender, occupation, income, type of family, religion, habits, duration of diabetes mellitus, type of medication had non significant association and education had significant association with the level of knowledge regarding prevention of diabetic foot among patients with diabetes mellitus. **Conclusion:** The above results concluded that there is a need to conduct health education for improving knowledge of patients with diabetic mellitus.

RESULTS: Diabetic foot, Diabetes Mellitus, hyperglycemia