

Knowledge of Nurses on Diabetes Mellitus in Hospital and Health Clinics in Selangor

Wan Marina Wan Ismail

Sungai Buloh Hospital

**For reprint and all correspondence: Wan Marina Wan Ismail, Sungai Buloh Hospital*

ABSTRACT

Introduction	Diabetes is a chronic condition that stems from the body's inability to sufficiently produce and or properly use insulin which the body needs to use sugar as an energy source. Diabetes can lead to serious complications and premature death but those who have diabetes can take steps to control the disease and lower the risk of complications.
Methods	Convenience random sampling method was used in which population in this study covered 18 centers in Selangor States. Sample size was calculated using Levi and Stanley (1999). Using sample size for one proportion, considering the estimated proportion of poor knowledge on diabetic of 50% the study power of 80% and a confidence level of 95%, precision 0.05. The minimum sample size is 385 in 18 centers however in this study 450 samples have been collected. Data was analyzed using SPSS version 16.
Results	The results of the research showed that 51.8% of the nurses succeed to answer more than 85% about diabetes care. The total of 3 domains included sign and symptom, risk factors and complication was 42.2% complete all correct answer among nurses.
Conclusions	This study showed that knowledge of diabetes among nurses is prerequisite for all nurses to educate client. Knowledge of diabetes was influenced by their age, educational level, post basic training and length of service. Therefore, diabetics' educational programmes to enhance nurses understanding are advocated. These would improve their ability to care for patients and contribute positively towards diabetes. Indirectly, it will also elevate the quality of care, treatment and patient safety plus increasing the professionalism of the nursing profession.