Presentation on:

Knowledge and Practices regarding eye care and complications of Diabetes among diabetic Patients 18 years and above in Kampala, Uganda.

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Abstract

A cross-sectional study was done to collect data on the demographics, level of awareness and practices of 409 diabetic patients regarding eye care and diabetes complications. Data analysis done using STATA version 14.0. Participant's characteristics were summarized using summary statistics and graphs. A fishers and Pearson chi- square tests were used to test for associations between patient's characteristics and knowledge and practice on diabetes. Bivariable and Logistic regression analysis was performed and variables with a p-value of <0.2 of the unadjusted odds ratio were further analyzed at multivariate logistic regression analysis to find out factors that significantly predict patient's knowledge and practice on diabetes.

Overall, 409 participants were interviewed in the study. It was found out that Female diabetic patients and those who stayed with diabetes for 10 years and beyond were less likely to have good Practice on diabetes compared to male patients and those who had been with diabetes for less than five years (OR, 95% CI: 0.58, 0.36-0.95, P=0.029: OR, 95% CI: 0.53, 0.32-0.87, P=0.011). The study found out that diabetic patients with good knowledge of diabetes were at least three times more likely to have good practice compared to those with the poor knowledge (OR, 95% CI: 3.2, 2.1 -4.8, P<0.001). Lack of knowledge regarding the importance and need for periodic eye check-up for diabetic eye disease were a significant finding in this study. Good knowledge on diabetes had significant association with the patients practice patterns.

Biography

Hope Mackline is a Medical Doctor. She has completed her Masters of Public Health Degree from the University of Cape Town. She currently works with the Infectious Diseases Institute as a Research Study Doctor on 3 pharmacokinetic studies and have been part of two studies that were successful completed. She has been a co-author on 3 papers. She has been involved in the care of HIV/AIDS patients who are also faced with opportunistic infections and Non-communicable infections.

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