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Determinants of diabetic retinopathy in Tikur Anbessa Hospital, Ethiopia

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Background: Diabetic retinopathy is the most frequent complication of Diabetes Mellitus and remains the leading cause of preventable blindness. However, there are limited studies on the determinants of diabetic retinopathy in the study area as well in Ethiopia. Hence, this study aimed to assess the determinants of diabetic retinopathy among diabetic patients at Tikur Anbessa Hospital.

Methods: An institution-based unmatched case-control study design was conducted at Tikur Anbessa Hospital from May 11 to June 26, 2020. Diabetic patients who developed retinopathy within 2 years were cases in the study. Patients who were free of retinopathy were controls in this study. Data were collected using a pretested interviewer administered questionnaire, Topcon retinal examination, and a record review. The collected data were entered into Epi Data version 3.1 software, and analyzed using SPSS version 25. Binary logistic regression analysis was used to assess the determinants of diabetic retinopathy.

Keywords: Diabetic retinopathy, Determinants, Case-control, Ethiopia.

Biography

Kalid Seid is an expertise in adult health nursing basically non-communicable diseases in sub-Saharan country, Ethiopia. I have different papers in review process concerning diabetes self-care practices and its association with COVID-19 in Ethiopia. I have built models for nursing practice in southwest Ethiopia after years of experience in research, evaluation, teaching and administration both in hospital and education institutions.

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