

ABSTRACT

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Study Program: Public Health

Title: Factors Associated With the incidence of Type II Diabetes Mellitus in the Elderly in Depok Hospital in 2019.

Diabetes mellitus (DM) is a chronic metabolic disorder caused by the pancreas can no longer produce enough insulin. Type II DM is a type of diabetes that is often found. Basic Health Research (Riskesdas) shows a significant increase in the prevalence of type II diabetes, from 6.9% in 2013 to 8.5% in 2018. This study aims to determine the factors associated with the incidence of type II DM in Depok Hospital in 2019. This study used a Cross Sectional design conducted at Depok Public Hospital with a sample of 86 respondents. Data was obtained through medical records and questionnaires with variables including age, gender, genetic factors, physical activity, obesity, and smoking. The analysis carried out included univariate analysis and bivariate analysis using the Chi-Square test. The results showed that there was a relationship between sexes ($p = 0.049$, $PR = 1.373$), genetic factors ($p = 0.004$, $PR = 0.657$), obesitas ($p=0,005$, $PR= 3,077$), and physical activity ($p = 0.038$, $PR = 1.369$) for the incidence of type II diabetes mellitus, Results The study showed no relationship between age ($p = 0.708$, $PR = 1.086$), and smoking ($p = 0.720$, $PR = 1.108$) on the incidence of type II diabetes mellitus in the elderly. Based on the results of the study it was suggested that the RSUD conduct an extension of counseling especially in the treatment of type II diabetes mellitus, provide information on how to detect type II diabetes mellitus and the community more consciously to adopt a healthy lifestyle.

Keywords: Type II diabetes mellitus in the elderly. Gender. Genetic factors. Physical activity.

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