



TITLE: Prevalence and predictors of uncontrolled type 2 diabetes mellitus in primary healthcare centers in Taif

Name: Hajer A. Alwagdani
Affiliation: Family medicine registrar
Country: Saudi Arabia
Email ID: hajerwagdani@icloud.com

ABSTRACT

Background:

Chronic complications of uncontrolled diabetes include microvascular issues, such as nephropathy, neuropathy, and retinopathy, and macrovascular complications, such as coronary artery disease, peripheral artery disease, stroke, diabetic encephalopathy, and diabetic foot.

Objectives:

The aim of this study was to assess the prevalence of uncontrolled diabetes and its levels and to determine its contributing factors among diabetes mellitus (DM) patients in Saudi Arabia.

Methods:

A cross-sectional study was carried out among type 2 diabetic patients who were followed up at primary healthcare centers (PHCCs), under the Ministry of Health, in Taif city in the western province of Saudi Arabia. Data were collected using a formal interview questionnaire consisting of three sections: demographic data, clinical and laboratory data, and predictors of uncontrolled diabetes.

Results:

The study included 277 type 2 diabetic patients. The prevalence of the uncontrolled disease was 42.2%. Multivariate logistic regression analysis found that using therapy for immunological disorders [odds ratio (confidence interval, "CI"): 1.23 (1.07–3.59), p -value = 0.042) and having a DM duration of more than 15 years [odds ratio (CI): 2.15 (1.99–4.58), p -value = 0.003] were risk factors for uncontrolled DM.

Conclusion:

Most of type 2 diabetic patients who were followed up at PHCCs had uncontrolled DM. Therefore, organizing an educational program for diabetic patients regarding the importance of keeping glycemic control and factors that could affect it is warranted.

Keywords:

Prevalence, predictors, uncontrolled, type 2 diabetes mellitus, Saudi Arabia.



Presenter Name: Hajer A. Alwagdani

Mode of Presentation: Oral.

Contact number: + 966551347084



3rd GLOBAL MEETING ON DIABETES AND ENDOCRINOLOGY

November 27-28, 2023 | Dubai, UAE



SCIENTEX CONFERENCES LLC

1309 Coffeen Avenue STE 1200, Sheridan, WY 82801, United States
www.scientexconference.com

diabetes.scientexconference.com/

diabetes@scientexevents.com

+1-346 291 8325