Review of: "Correlation Between HbA1c and Body Mass Index Among Patients with High Lipid Profile Attending Johns Hopkins Aramco Healthcare Hospital in Saudi Arabia"

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Potential competing interests: No potential competing interests to declare.

Review on research article Qeios ID: 7JGRG3

Topic- Correlation between HbA1c and Body Mass Index among Patients with High Lipid Profile Attending Johns Hopkins Aramco Healthcare Hospital in Saudi Arabia.

Well done, and please consider the following:

It is better if the title is changed to Correlation between HbA1c and Body Mass Index among Patients with dyslipidemia because it includes all lipid profiles.

Abstract

An alternative sentence indicating the increasing rate of dyslipidemia in middle- and low-income countries will be appropriate. Issues with subject-verb agreement/grammar should be addressed in the abstract. Kindly review the sentence ''data was collected using secondary data''—what about the quality of data?

Don't use abbreviations in the abstract; please write in full sentences.

Separate the objective from the background and make the objective SMART

The background doesn't tell of the existence of the problem.

Under conclusions, show the implications of your research.

Introduction

Please show the magnitude, severity, and socio-economic impact in terms of morbidity and mortality.

Add other citations to strengthen the point that dyslipidemia accelerates mortality among patients.

What year was this data collected on the prevalence of diabetic foot ulcers? There is no citation to support this statement.

The abstract needs restructuring; kindly consider giving the article to an English editor to correct all the grammar and sentence construction in the article.

May the single research result influence policy decisions?

Under the main text

Study design, setting, and period

What is the rationale for choosing that particular zone and the hospitals? How many days in

What about the number of available chronic disease clinics and number of health care workers in the area; common chronic diseases…

Sampling technique and procedure

State the rationale for the sampling technique used in getting the data from the records

Data collection tool and procedure

State the word Kilogram in full. State the Cronbach's alpha for each sub-scale but not elaborated. BMI is calculated as Kg/m^2.

Tell us how you checked the tool, data quality control, validity, and reliability

Include data analysis and then what the assumptions to analyze correlation are.

Eligibility criteria

How did you know all patients with chronic…**like cancers, leukemia?**

Why you omit clients aged 15-17 years old as they visit the clinic with adult?

Operational definition:

Define dyslipidemia

DV: How did you label and code it?

RESULTS-

It is better if you separate into Socio-demographic characteristics of participants-

Clinical characteristics of participants-

State the normal range for BMI in brackets.

Include 95% CI

How you used mean have you checked the normality? If so write up it

Again where the graph for correlation between IDV and DV is it is important to visualizeR^2 how much DV explained by IDV

Discussion-In your discussion the Put possible reasoning for agreement and disagreement of your research results.

Table 1, 2 &3- Use standard labeling of tables like when, where who…..