**Reviewer’s report**

**Title:** Prevalence, Determinants and Association of Unawareness of Diabetes, Hypertension and Hypercholesterolemia with Poor Disease Control in a Multi-ethnic Asian Population Without Cardiovascular Disease

**Version:** 0  **Date:** 14 Jun 2019

**Reviewer:** Amir Kasaeian

**Reviewer's report:**

First, I have no access to the supplementary tables.

In the Statistical Analysis Section:

* There are two approaches for selecting probable confounding covariates in such studies to be included in the multivariable analysis for adjustment. The one is what the esteemed authors chose that is selecting those variables based on their association via chi-square or t-test and the other one is based on univariable logistic regression (in this case) and then selecting those significant variables to include them in the multivariable logistic regression which is the main and ultimate model of the current study. Yet, regardless of the which model is selected, the level of significance should be considered higher than 0.05 in the univariable models as we are not sure whether a specific variable with a little p-value higher than that of 0.05 (namely 0.07) would be significant in multivariable along with other variables or not. In this cases the common level of significance in the univariable analyses considered as 0.2 or 0.25. However, It is not mentioned that whether the authors chose higher p-value in their univariable analyses or not? If this has not been done the whole results is questionable and needs reanalysis. Please clarify this issue explicitly. I don't know, maybe you have done and be in the supplementary tables that I did not have access. Anyway, this issue should clarified in the statistical analysis section. Besides, the second approach for selecting covariates is suggested though the one you chose is not incorrect.

* Please provide the list of all covariates (those included and not included in the final model) in this section.

In the Results section:

* I didn't find any tables displaying descriptive statistics. Please prepare and add.

* Please display only those p-values less than 0.0001 as <0.0001 and for other p-values please mention the exact ones (e.g. in line 214).

* About age and BMI, it is suggested to consider them as categorical; for age like those categories in table 1; 40-49, 50-59, 60-69, and 70 yrs and for BMI as normal, overweight and Obese. Specifically about BMI the results will be more understandable and interpret easily.

* In line 222, please mention the p-values.
* About what modeled in table 2, please provide details concerning the ORs of other covariables in supplementary tables.

* Line 289: if the BMI considered as normal, overweight and obese, the results will be more understandable by readers.

* In line 326, it is suggested to provide these information in supplementary tables based on age and ethnicity groups like table 1 and 2.

* None of supplementary tables were available to me for further assessment.

**Level of interest**
Please indicate how interesting you found the manuscript:

An article of importance in its field

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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