

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.

I appreciate the attempt to extract data from an existing database to add more knowledge. At the same time, the researcher's lack of control over the processes of collecting and refining the information requires strict data control and refinement. The importance of research is the ability to generalize it to as wide a population as possible. This study, in its limitations, cannot be generalized even for the Saudi Arabian population.

There is a great lack of isolation of the influence of confounding factors such as dietary choices, lifestyle behaviours, smoking, or duration of regular physical activity.

The relatively large sample size (2368) is in this case a disadvantage because any small difference is statistically significant. But what is important is whether the difference is clinically significant. I would expect to see a multivariate analysis where gender and age are isolated as confounders from the effect of HbA1c. But this analysis was not done.