

# 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.

This paper has serious methodological problems connected to statistical analysis.

1. Normality of quantitative variable distribution is not tested (This affects the choice of statistical tests).
2. The main finding of the paper, a significant association of HbA1c with BMI, is rather small and, in my opinion, has no independent clinical importance.
3. The main issue is that any kind of multivariate analysis is not performed. The found effect is not adjusted for possible confounders, and possible interactions are not tested. I suggest using multivariate linear models as well as quantile regression.

In my opinion, this paper must be rejected.