Reviewer's report

Title: Different associations between obesity and impaired fasting glucose depending on serum gamma-glutamyltransferase levels within normal range: a cross-sectional study

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Reviewer: Kavita Venkataraman

Reviewer's report:

1. The manuscript overall is well-written and clear, with a coherent and logical flow from introduction to discussion and conclusions.

2. The authors have chosen to use both BMI and GGT as categorical variables in their analysis, and the reasons for this are not very clear in the methods section. As these are inherently continuous variables, it may be preferable to analyse them as such, in the absence of specific compelling reasons.

3. In the results section (page 6 lines 130-136), the authors conclude on the basis of table 3 that BMI has no effect on risk of IFG at lower levels of GGT. However, the table can also be interpreted as GGT having no effect on risk of IFG at lower BMI (<23). Such an interpretation is in fact more consistent with the risk of DM described in supplementary table 1. This aspect has also not been explored in the discussion section.