Reviewer's report

Title: Association of liver enzymes with incident type 2 diabetes: A nested case control study in an Iranian population

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Reviewer: Giuliano Ramadori

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In the study by Tohidi M et al entitled: “Association of liver enzymes with incident type 2 diabetes: A nested case control study in an Iranian population” the association of Aspartate aminotransferase (AST), Alanin aminotranferase (ALT) and Gamma glutamyl transferase (GGT) with incident type 2 diabetes was investigated. The authors concluded, that ALT is associated with incident type 2 diabetes independent of classic risk factors. However, its addition to the classic risk factors does not improve the prediction of diabetes.

General comments:

1. The study should represent the actual state of literature.

2. As the prevalence of Hepatitis B, D and C virus in Iran is higher than the levels reported by WHO (Gholamreza R et al., Indian J Med Sci. 2007 May;61(5):263-8), it is very important to investigate concomitant liver diseases, which could induce elevated serum transaminases.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests