Reviewer’s report

Title: Cholecystectomy versus central obesity or insulin resistance in relation to the risk of nonalcoholic fatty liver disease: the third US National Health and Nutrition Examination Survey

Version: 0 Date: 29 Jun 2019

Reviewer: Marika Menduni

Reviewer's report:

I suggest to specify a few steps:

- The data in the diabetic population: the diabetes could increase the incidence of NALFD not only because of the insulin-resistance or the obesity but also because of the numbers of years of the disease, the glycemic control and the drugs used;

- The numbers of years elapsed from the cholecystectomy to the ultrasonography and if there is a time in which the incidence of NAFLD changes drastically or it increases slower: if it's possible that the cholecystectomy exposes the patient to a change in lipid metabolism and bile acids secretion, it's probable these modifications could affect the structure of the liver in a few years.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics
Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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