

Dear Fang-Fang Ji, Science Editor

Thank you for your swift reply and the positive handling of our review: "Bariatric surgery in patients with non-alcoholic fatty liver disease - from pathophysiology to clinical effects".

We also thank the reviewers for their positive evaluations of the manuscript and the constructive comments.

We have revised the manuscript in accordance with the suggestions from the editor and the reviewers. Please, find our point-to-point answers to the suggestions below. We have submitted a new version of the manuscript, where all revisions are high-lighted.

We think the manuscript has improved significantly and hope it in the revised form will be considered for publication in World Journal of Hepatology.

Thank you in advance

Henning Grønbaek

Editor's comments to author:

Please offer post codes.

The post codes have been added.

Please offer the audio core tip.

The audio core tip has been added during the submission procedure.

Please change the title ("materials and methods"), it is not allowed to use it in review article.

We have changed the title to literature search.

Ref 7 repeat with ref 1, please correct.

Thank you for noticing, it has now been corrected.

Please provide the decomposable figures, whose parts are movable and words can be edited.

The decomposable figures have been added during the submission procedure as separate image files (Powerpoint).

Reviewers' comments to author:

Reviewer 1:

This comprehensive review of bariatric surgery in patients with non-alcoholic fatty liver disease summarizes in a practical way many aspects of this surgery in patients with NAFLD. It is my opinion that readers will find this article informative and easy-to read. I favour its publication I its present version.

Answer reviewer 1:

Thank you very much for your comment, we are pleased that you found the article informative and easy-to read.

Reviewer 2:

The review article by Laursen TL et al. on "Bariatric surgery in patients with non-alcoholic fatty liver disease - from pathophysiology to clinical effects" is an excellent article with the research question of beneficial and harmful effects and focused on changes in liver disease severity in NAFLD and NASH patients, with a specific focus on liver histopathology after bariatric surgery. They demonstrated that steatosis, steatohepatitis, and fibrosis improved or resolved in most patients following weight loss after bariatric surgery. Both invasive and non invasive methods of evaluation were used. Only correction is in abstract at last line "We reviewed several non-invasive methods used for the assessment of liver disease severity following bariatric surgery"-here both invasive and noninvasive methods were used but the author mentioned only non invasive. Effect of bariatric surgery on hepatic histology, metabolimics and GLP 1 is the novelty of the article.

Answer reviewer 2:

Thank you very much for your comments.

We have revised the last lines of the abstract as per your suggestion.

Reviewer 3:

Laursen and colleagues wrote a clear and concise review of bariatric surgery in NAFLD. The exploration and summary of GLP-1 in particular and its role in NAFLD and change after surgery was welcomed. The review of liver histopathology and expectations of histopathologic improvement for clinicians was well written. The Non-invasive surrogate marker review was useful, and finally, then clinical outcomes were concisely reviewed. This manuscript will serve as a useful review for clinicians and researchers in the field of NAFLD and bariatric surgery, particularly those who are not hepatologists who want a deeper review of hormonal pathophysiology.

Answer reviewer 3:

Thank you very much for your comments, we are pleased that you found the manuscript useful.

Reviewer 4:

Dear Associate Editor, Thank you for sending me the article entitled "Bariatric surgery in patients with non-alcoholic fatty liver disease - from pathophysiology to clinical effects" for review. This review describes the primary effects of bariatric surgery on metabolic pathways. It also reviewed several non-invasive methods used for the assessment of liver disease severity following bariatric surgery. The review included that bariatric surgery has the potential to induce great weight loss and improve the features of metabolic syndrome and T2D. However, there are major conflicts about the effect of surgery in histologic changes after bariatric surgery. Moreover, no studies demonstrated reduced liver-related mortality. The authors suggested large randomized clinical trials with long-term follow-up are needed to demonstrate the beneficial effects of bariatric surgery in NASH. In my opinion there are some comments as the followings: 1-Please define the search strategy (including key words, duration of search) 2-Please define the inclusion and exclusion criteria of mentioned studies and provide a fellow chart.

Answer reviewer 4:

Thank you very much for your comments, which we have addressed in the following. We have elaborated on the search strategy in the section regarding the literature search on page 5. Additionally, we have made a clearer definition of the inclusion and exclusion criteria of the mentioned studies in the same section.