

PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 83336

Title: Fatty liver and celiac disease: why worry?

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06131948

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor, Teacher

Reviewer's Country/Territory: Russia

Author's Country/Territory: Brazil

Manuscript submission date: 2023-01-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-17 17:49

Reviewer performed review: 2023-01-22 08:04

Review time: 4 Days and 14 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input checked="" type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting mini-review on Fatty liver and celiac disease. Comments: 1. The authors stated the title of the article as "Fatty liver and celiac disease: why worry?", but the article does not systematize these concerns and there is no answer to the question. It is not clear from the content of the article what links of fatty liver and celiac disease the authors wanted to describe: molecular mechanisms, clinical links. 2. The pathophysiological mechanisms that link diseases are described very superficially, a better description of these mechanisms is recommended. 3. It is recommended to improve the structure of the article, for example to describe the molecular mechanisms that link the diseases, as well as the clinical aspects, which also need to be systematized. 4. It is recommended to change the discussion section, as now it contains different data without clear systematization. It is recommended to add a conclusion where known data and prospects for further research are discussed. 5. It is recommended to add a scheme with molecular mechanisms that link Fatty liver and celiac disease. 6. The authors described 3 search strategies, but this was not reflected in the article itself. Although the authors described a search strategy, they did not specify how many articles were

analyzed. Therefore, it is recommended that the methods section be improved or deleted.

7. It is recommended that more recent data be added. For example, the section "CELIAC DISEASE IN PATIENTS WITH FATTY LIVER" contains references to literature mostly older than 10 years.

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03544596

Position: Editorial Board

Academic degree: MD

Professional title: Academic Editor, Associate Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: Brazil

Manuscript submission date: 2023-01-17

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-02-11 10:42

Reviewer performed review: 2023-02-16 18:45

Review time: 5 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Dear Editor, I should first thank for inviting me as potential reviewer to read and comment on paper entitled "Fatty liver and celiac disease: why worry?". In the current study, the authors aimed to review the available literature on this fatty liver and celiac disease and verifies particularities of the clinical setting. The main title accurately reflects the major topic and content of the study. The abstract summarizes and reflects the work described in the manuscript. Also, the abstract presents the significant points related to the background, objectives, materials and methods, results and conclusions. The methods sufficiently described. The study type and design were defined in the section of the methods. Tables are sufficient and well-organized. The section of the discussion is well organized. The manuscript adequately describes the background, present status and significance of the study. The manuscript interprets the findings adequately and appropriately, highlighting the key points clearly. I think that it will contribute to the literature. I have minor criticism. The manuscript appropriately cites the important and authoritative references but does not cite the recent published article in the section of discussion part of the manuscript. If the recent

published articles such as “Celiac disease in children: A review of the literature. World J Clin Pediatr. 2021 Jul 9;10(4):53-71” is cited at the following sentence, the manuscript would be better. Malabsorption and long-standing malnutrition, increased intestinal permeability, chronic intestinal inflammation, small intestinal bacterial overgrowth and/or dysbiosis have been suggested to have possible roles in establishing celiac hepatitis in CD[40].