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PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 89237

Title: Editorial: Metabolomics in chronic hepatitis C: Decoding fibrosis grading and underlying pathways

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05562744
Position: Editorial Board
Academic degree: FACS, MD, PhD
Professional title: Professor, Senior Scientist
Reviewer's Country/Territory: Turkey
Author's Country/Territory: Argentina

Manuscript submission date: 2023-10-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-11-04 13:34

Reviewer performed review: 2023-11-04 18:55

Review time: 5 Hours

Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[Y] Grade A: Excellent [ ] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[Y] Grade A: Excellent [ ] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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

SPECIFIC COMMENTS TO AUTHORS

Briefly the authors have written an editorial regarding the article by Ferrasi A. et al. published in the present issue of the World Journal of Hepatology, 2023. They give important information rwgardimg grading and prognostication of Hepattis C In the management of the growing population of hepatitis C virus (HCV) infected patients, a significant clinical challenge exists in determining the most effective methods for assessing liver impairment. The prognosis and treatment of chronic hepatitis C (CHC) depend, in part, on the evaluation of histological activity, specifically cell necrosis and inflammation, and the extent of liver fibrosis. These parameters are traditionally obtained through a liver biopsy. However, liver biopsy presents both invasiveness and potential sampling errors, primarily due to inadequate biopsy size. To circumvent these issues, several non-invasive markers have been proposed as alternatives for diagnosing liver damage. Different imaging techniques and blood parameters as single markers or combined with clinical information are included. This Editorial discusses the identification of a set of six distinctive lipid metabolites in every fibrosis grade that appears to show a pronounced propensity to create clusters among patients who shared

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the same fibrosis grade, thereby demonstrating enhanced efficacy in distinguishing between the different grades. I believe the text is well written