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PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 87798

Title: Dynamic changes and clinical value of LCN2 in liver diseases caused by microbial infections

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03522829

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2023-08-28

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-10-03 11:36

Reviewer performed review: 2023-10-11 19:10

Review time: 8 Days and 7 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 Grade E: Do not publish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 checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation 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 creativity or innovation

Scientific significance of the conclusion in 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 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 checked="" type="checkbox"/> Minor revision <input 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

The present review was proposed to summarize the recent advances in the dynamic changes, clinical values, and the effects of LCN2 in infectious liver diseases caused by various microbial microorganisms. Actually, the current proposal is interesting and well-written. Therefore, I recommend that the current study be published after minor revisions as follows: 1- Could the authors deeply discuss the potential role of macrophage M1 in the liver? Reference: GATA3 as an immunomodulator in obesity-related metabolic dysfunction associated with fatty liver disease, insulin resistance, and type 2 diabetes. Chem Biol Interact. 2022 Oct 1;366:110141. doi: 10.1016/j.cbi.2022.110141. 2- Please refer to the role of iron metabolism in the different live infections. Reference: Iron metabolism disorders in patients with hepatitis B-related liver diseases. World J Clin Cases. 2018 Nov 6;6(13):600-610. doi: 10.12998/wjcc.v6.i13.600.