

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 77634

Title: Heterogeneity of immune control in chronic hepatitis B virus infection: Clinical implications on immunity with interferon- α treatment and retreatment

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04611317

Position: Peer Reviewer

Academic degree: MD, MSc, PhD

Professional title: Associate Professor, Chief Physician

Reviewer's Country/Territory: Thailand

Author's Country/Territory: China

Manuscript submission date: 2022-05-10

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-05-11 05:27

Reviewer performed review: 2022-05-16 08:21

Review time: 5 Days and 2 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 Grade E: Do not publish
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 overall scientific information of the manuscript is good. There are some points to be added to make the article more valuable to the readers, such as the summarized table for the outcome of INF-a treatment in CHB and also including the re-treatment strategy. Table 2 is too complex to understand and does not assist the reader in understanding the clinical implications of interferon treatment and retreatment. 3, host genetic variants associated with IFN-a therapy, which ways of the association for INF-a treatment? For table 3, the description of the abbreviation could not be understood. For table, it should be "table," not "table." It should be IFN-a retreatment for FN-a retreatment. The citation for table 3 in the text is [43,44,74-78] but in the table itself it is [43, 74, 87]. Why the difference? I recommend that the authors include the IFN-a retreatment in "IMPROVEMENT OF HBV-SPECIFIC IMMUNE CONTROL BY IFN- RETREATMENT" and revise this section for completeness. The English grammar needed to be polished. The reference format was not precise as a whole, such as "1. Revill PA, Chisari FV, Block JM, Dandri M, Adam J Gehring , Guo H, et al. A global scientific strategy to cure hepatitis B. Lancet Gastroenterol Hepatol 2019; 4: 545-558. [PMCID: PMC6732795 DOI: 10.1016/S2468-1253(19)30119-0], 2 Rehmann B, Thimme R. Insights From Antiviral Therapy into Immune Responses to Hepatitis B and C Virus Infection. Gastroenterology. 2019; 156: 369-383. [PMID: 30267712 DOI: 10.1053/j.gastro.2018.08.061]", please recheck again.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05584775

Position: Editorial Board

Academic degree: MBBS, MD

Professional title: Assistant Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2022-05-10

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-07-19 21:36

Reviewer performed review: 2022-07-22 20:59

Review time: 2 Days and 23 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
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



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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
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SPECIFIC COMMENTS TO AUTHORS

I have attached a file suggesting minor revisions. It will benefit the readers if the article can be made more concise and some redundant/ repetitive information can be clubbed together.