

PEER-REVIEW REPORT

Name of journal: *World Journal of Virology*

Manuscript NO: 76466

Title: Hepatitis B virus infection reactivation in patients under immunosuppressive therapies: pathogenesis, screening, prevention and treatment.

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03204757

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Italy

Manuscript submission date: 2022-03-18

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-27 10:50

Reviewer performed review: 2022-04-04 15:42

Review time: 8 Days and 4 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 Grade E: Do not publish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 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

Reactivation of HBV (HBVr) is an important clinical complication in HBV infected patients treated with immunosuppressive therapy. In this article, the author review data involving certain diseases usually treated with immunosuppressants. The review has some valuable references for clinical practice in the management of the diseases mentioned by author. But there are some issues existed in the article. 1.Up to now, there have been quite a few publications on HBVr resulted from immunosuppressive therapies. Overall, the article has somewhat of a limitation due to lack of comprehensive and intensive review in these clinical settings. 2.In the title, “pathogenesis”, “screening” are listed, but there are few data described in the text, so the corresponding data could be supplemented. 3.About some technical terms, please notice its original idea. For example, “occult B infection” (OBI) in the article, should be presented as “occult hepatitis B virus infection” (OBI). In addition, the term “seroconversion” of HBsAg in the text, the term is usually defined as “loss of HBsAg, and development of anti-HBs antibody” in HBsAg positive patient. Conversely, the term of “seroreversion” of HBsAg is usually defined as “re-appearance of HBsAg, and loss anti-HBs antibody” in HBsAg negative patient. 4.The completely same paragraphs could be seen in two places in the article, it seems that the first is forgotten to be deleted. 5.The spelling and grammar mistakes are labelled in the manuscript.

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Reviewer's code: 05391966

Position: Peer Reviewer

Academic degree: PhD

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Reviewer's Country/Territory: China

Author's Country/Territory: Italy

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Review time: 18 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
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

The authors review the progress of HBV infection study. Considering the entire text, I recommend the acceptance of this review with mini-revision. 1. One scheme should be included to conclude the mini-review. 2. Some discussion of HBV in HCC treatment should be also included.