

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 80502

**Title:** Immunotherapy for Hepatocellular Carcinoma: Current Status and Future Perspectives

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06272301

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Associate Professor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** India

**Manuscript submission date:** 2022-09-29

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-04 10:20

**Reviewer performed review:** 2022-10-13 07:34

**Review time:** 8 Days and 21 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 Grade E: Do not publish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 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 type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

In this review, the authors describe the progress related to HCC immunotherapy in a detailed and comprehensive way, with abundant content and sufficient citations, and reasonably draw pictures and tables, which meet the requirements of this journal. However, there are some deficiencies in the article that need to be further modified. 1. Some parts of the article have improper logic. For example, the sentence "HCC, on the other hand, the sentence "has a variety of causes and can avoid the body's immune system via a variety of mechanisms." appears suddenly in the abstract. What is the relationship between the immune escape mechanism of HCC and immunotherapy? I hope the author can briefly explain. 2. There are some traces of revision in the article, such as unremoved fluorescent marks. I hope the author can review the manuscript carefully and provide the final manuscript as required. 3. The author should pay attention to the wording when quoting the literature. For example, whether "our team" is appropriate in the sentence "In a recent study, our team found that by dividing the CAR design into two parts, HCC tumours may be removed with a lower level of proinflammatory cytokines (split GPC-3 CAR-T cells) (Liu et al., 2020).". 4. At present,



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there are many review articles on HCC immunotherapy, and it is hoped that the author can further supplement the contents to enhance the novelty of the articles. 5. The deficiencies and developmental obstacles of HCC immunotherapy need to be further discussed in detail 6. There are some grammatical mistakes, improper language and unclear meaning in the article. I hope the author will check the article carefully. For example, in the abstract, the position of the "and" in the sentence " Surgery, radiofrequency ablation, chemotherapy and are three common treatment options for HCC." seems inappropriate.

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**Reviewer's code:** 06457333

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Doctor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** India

**Manuscript submission date:** 2022-09-29

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-11-25 14:35

**Reviewer performed review:** 2022-12-03 15:39

**Review time:** 8 Days and 1 Hour

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
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<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

In this well written manuscript, the authors summarized the present methods of immunotherapy in HCC. The review discussed the progressions and difficulties of different immunotherapy. There is a mistake in the third line of abstract.