

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 83595

Title: MM Y4 is a diagnostic gene of intrahepatic cholangiocarcinoma associated with immune cell infiltration

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06135116

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor, Research Associate

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2023-02-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-06 06:48

Reviewer performed review: 2023-03-08 03:26

Review time: 1 Day and 20 Hours

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Novelty of this manuscript	<input type="radio"/> Grade A: Excellent <input checked="" type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="radio"/> Grade A: Excellent <input checked="" type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input checked="" 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
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

This is an interesting a series of retrospective studies meta-analysis. The research ideas are clear and the work is serious. I suggest to accept it, but it needs to be improved in the following aspects. 1. The authors should modify title carried out term of "systematic review and meta-analysis". 2. What is the future perspective of this review? How and what the other researcher will address regarding your findings in future, after synthesizing your results, you'd better mention that in the conclusion. Congratulations on your excellent work.

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Title: MM Y4 is a diagnostic gene of intrahepatic cholangiocarcinoma associated with immune cell infiltration

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06135122

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Canada

Author's Country/Territory: China

Manuscript submission date: 2023-02-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-03 01:50

Reviewer performed review: 2023-03-13 01:33

Review time: 9 Days and 23 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
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
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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 topic of this manuscript falls within the scope of World Journal of Gastroenterology. The Authors explored the disease characteristic genes that may be helpful in the diagnosis of ICC and affect immune cell infiltration, using the ICC-related data in the GEO and TCGA databases, bioinformatics and machine learning algorithms were used to comprehensively analyze and obtain reliable disease-characteristic genes, and in-depth exploration found that this gene may regulate the occurrence and development of ICC by mediating the composition of immune-infiltrating cells. The authors finally found a new ICC characteristic gene, MMP14, and clarified that it might affect the infiltration pattern of immune cells in complex tumor microenvironments. It may have a beneficial impact on the targeted diagnosis of ICC and the provision of precise immunotherapy in future clinical work. The manuscript is a good meta-analysis. Good Introduction and materials and Methods. The Discussion sound well. Complete the References.

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Title: MM Y4 is a diagnostic gene of intrahepatic cholangiocarcinoma associated with immune cell infiltration

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06143358

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2023-02-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-02 00:22

Reviewer performed review: 2023-03-13 02:18

Review time: 11 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
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
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In title, there is no suggestion to meta-analysis, please revise it to be more informative. - Core tip is missing. - The Discussion section makes a lot of repetitive descriptions of the background introduction. Please delete this section and streamline the discussion of knowledge that we all knows. - Please discuss about restrictions of relevant previous meta-analysis studies. - Figure 9 requires adding a magnification. It is a well-structured manuscript and an interesting topic.