

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 83815

Title: Development and application of hepatocellular carcinoma risk prediction model based on clinical characteristics and liver related indexes

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03537089

Position:Peer Reviewer

Academic degree:MD

Professional title:Academic Editor, Doctor, Professor, Surgeon

Reviewer's Country/Territory: Egypt

Author's Country/Territory:China

Manuscript submission date: 2023-02-10

Reviewer chosen by:Geng-Long Liu

Reviewer accepted review: 2023-05-08 08:58

Reviewer performed review:2023-05-08 13:10

Review time:4 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Verygood <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 Grade E: Do not publish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 type="checkbox"/> Yes <input checked="" 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

1. Where is the list of abbreviations?

Answer: The list of abbreviations in the manuscript has been completed.

2. Abstract section is good.

Answer: Thanks to the peer review expert for the affirmation of the abstract part.

3. Introduction section is good but needs correction as mentioned.

Answer: The structure and language of Introduction section have been adjusted based on the comments of peer review experts and the guidelines for manuscript revision.



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4. Materials and Methods section: is good but needs correction as mentioned.

Answer: Some of the abbreviations were adjusted in the Materials and Methods section.

5. Results section needs more shortage

Answer: In the results section, we carefully analyze the problems and shortcomings of the study results, and describe the improvements in the follow-up study.

6. Discussion section needs more and more alignment.

Answer: In the discussion section, we added the latest research highlights of this study.

7. I think this topic needs more and more evidence based support.

Answer: In the discussion section, we analyzed and summarized the shortcomings of this study, and adjusted the research and improvement measures for follow-up studies.

8. It needs minor revision.

Answer: The manuscript was carefully and detailed revised based on the input of peer review experts and the guidelines for manuscript revision.

PEER-REVIEW REPORT

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Title: Development and application of hepatocellular carcinoma risk prediction model based on clinical characteristics and liver related indexes

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05282786

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor, Consultant Physician-Scientist

Reviewer's Country/Territory: Romania

Author's Country/Territory: China

Manuscript submission date: 2023-02-10

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-04-20 06:39

Reviewer performed review: 2023-05-17 19:06

Review time: 27 Days and 12 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Verygood <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 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
Scientific significance of the conclusion in 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 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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input 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

I carefully read the manuscript and I consider it suitable for publication.

Answer: Thank you for the peer review expert's affirmation of this study, thank you very much!

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Title: Development and application of hepatocellular carcinoma risk prediction model based on clinical characteristics and liver related indexes

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03478036

Position:Peer Reviewer

Academic degree:PhD

Professional title:Associate Professor

Reviewer's Country/Territory: Romania

Author's Country/Territory:China

Manuscript submission date: 2023-02-10

Reviewer chosen by:Geng-Long Liu

Reviewer accepted review: 2023-04-26 10:34

Reviewer performed review:2023-05-20 00:05

Review time:23 Days and 13 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Verygood <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" 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

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Language quality	<input type="checkbox"/> Grade A: Priority publishing[<input checked="" type="checkbox"/> Y] 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 type="checkbox"/>] Major revision[<input checked="" type="checkbox"/> Y] Rejection
Re-review	<input type="checkbox"/> Yes [<input checked="" type="checkbox"/> Y] No
Peer-reviewer statements	Peer-Review:[<input checked="" type="checkbox"/> Y] Anonymous[<input type="checkbox"/>] Onymous
	Conflicts-of-Interest:[<input type="checkbox"/>] Yes[<input checked="" type="checkbox"/> Y] No

SPECIFIC COMMENTS TO AUTHORS

1.The article is dissapointing by the actual results which are far from what was promissed in the title.

Answer: Thanks for Professor's review. We attempt to answer this question based on our understanding as follows: In this study, we established a risk prediction model for hepatocellular carcinoma, based on various variables, such as age, gender, HBsAg results, Child-Pugh Class, PIVKA-II, AFP, TBIL, GGT, ALT, AST, TBA, and ALB. This is consistent with the title of establishing a risk prediction model for hepatocellular carcinoma. Additionally, we developed a nomogram based on the risk prediction model for visual prediction of the risk of hepatocellular carcinoma, as shown in Figure 2, and evaluated the performance value of the risk prediction model in hepatocellular



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carcinoma diagnosis and early-stage hepatocellular carcinoma diagnosis, which is consistent with the application of the risk prediction model as stated in the title.

2.The tables does not contain explanation of the abrevied items.

Answer:In the results section, we added a problem analysis of tabular data and described improvements in subsequent studies.

3.The text is unreadable – lot of number whithout logic or hard to understand.

Answer:We would like to thank the peer review experts for pointing out that the analysis and interpretation of the data results in the manuscript is really not profound. In the follow-up study, we will dig deeper into the meaning behind the data results.

4.No clinical use under current form.

Answer:This study is only a preliminary exploration of the HCC risk prediction model, and we will continue to work hard to make the model truly enter the clinic and serve patients in the follow-up study.