

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 84784

Title: Expression patterns of CD147 impact the prognosis of hepatocellular carcinoma

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05607192

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2023-03-28

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-04-17 13:51

Reviewer performed review: 2023-04-27 21:27

Review time: 10 Days and 7 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 Grade E: Do not publish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
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" 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 checked="" 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 checked="" type="checkbox"/> Accept (General priority) <input 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

Xu and colleagues described CD147 as a prognostic marker for liver hepatocellular carcinoma. Their findings are well presented and the authors accounted for multiple biological and clinical confounders. I believe the manuscript fits for the journal and may hold strong clinical implications in stage and diagnose LIHC. I suggest only minor revisions to the text, with a particular care for figure formatting. The authors may also include an analysis with other mutational confounders other than TP53 status (i.e. unbiased analysis on mutations enriched in CD147 high tumor).

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Reviewer's code: 01558248

Position: Editorial Board

Academic degree: FACS, MD, PhD

Professional title: Professor, Surgeon

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: China

Manuscript submission date: 2023-03-28

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-05-12 08:03

Reviewer performed review: 2023-05-16 08:01

Review time: 3 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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SPECIFIC COMMENTS TO AUTHORS

1. The terminology of liver hepatocellular carcinoma--> hepatocellular carcinoma (HCC) was popular used without "liver" and the Objective(in the Abstract) was wrong in preparation. 2. Introduction; a. Liver cancer is a highlywith a 5-year survival rate being only 10% [1]. But the code reference was HCC not liver cancer? "HCC" do not equal "liver cancer" b. Several approaches are available for the treatment of LIHC, such as surgery and targeted therapy [9]. It is better to add regional tumor ablation method c....Matrix Metalloproteinase (MMP) on the tumor surface-->matrix metalloproteinase (MMP)..no capital letter and the same in the follow text d. A biological marker that can effectively predict and evaluate the prognosis of liver cancer has not yet been identified. Actually there were many biological markers used as a evaluation of prognosis. For example, the Reference 16 and 22. 3. Materials and Methods: Please show us the certificate for using the TCGA... for analysis or it is not necessary? 4. Results; " in the abstract; Data from TCGA and GEO databases revealed that CD147 was significantly overexpressed in LIHC ($p = 1.624 \times 10^{-12}$ and $p = 1.2 \times 10^{-5}$), respectively. " These result did not appear in the text of the "Results". By the way,

the expression of p value was different from ordinary expression, please describe more and test method. 5. Discussion; The paragraph "Several studies have shown that CD147 has a....predict prognosis in patients [31]." was not necessary and can be summarized into a sentence in the previous paragraph. 6. the preparation of reference should be based on the requirement of the journal