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PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 77653

Title: Alcohol promotes epithelial mesenchymal transformation-mediated premetastatic niche formation of colorectal cancer by activating interaction between laminin-γ2 and integrin-β1

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05712037
Position: Peer Reviewer
Academic degree: Doctor
Professional title: Academic Research, Assistant Professor
Reviewer's Country/Territory: Spain
Author's Country/Territory: China

Manuscript submission date: 2022-05-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-06-04 06:53

Reviewer performed review: 2022-06-13 07:26

Review time: 9 Days

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [Y] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [ ] Grade B: Minor language polishing [Y] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection

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Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

1- The introduction should be focused on the aspects to be discussed in the work and reduced. 2- In the methodology it should be specified when the monoclonal antibodies are used in rats or in humans. 3- The patient cohort study is left behind in this article, perhaps its presence is not decisive. In any case, neither the amount nor the time of alcohol consumption in the patients is specified. 4- The meaning of injecting the rat with DMH should be explained. 5-It is necessary to explain how the histological sections are made. 6-It is recommended to indicate the purpose of the PLA technique. 7-Avoid the use of abbreviations in the different sections of the manuscript. 8- In section 3.7 make a correct wording of the section. Part of what is indicated should be explained in the methodology. 9- 3.10, should not be discussed in results. 10-The discussion should be focused more. 11-The figures should be more explanatory, indicating the meaning of the abbreviations. 12-The sample sizes should be indicated in the figures. 13- the different stains and markings should be indicated in the figure. The figures should be explained. 14- The units of measurement should be included in the figures. 15- The significant comparisons in the graphs are tedious to understand. The authors could mark with a bar the compared groups. 16- Fig 7a is not well understood. 17-Fig 7b, the group "normal cancer" is not understood 18-A general scheme of the purpose and techniques used in rats and in humans would help to understand the purpose of mixing both studies.

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Reviewer's code: 05820349
Position: Peer Reviewer
Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Canada

Author's Country/Territory: China

Manuscript submission date: 2022-05-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-07-02 08:17

Reviewer performed review: 2022-07-02 08:41

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection

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Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Thank you for this interesting manuscript. My only concern is related to the presumed direct link between alcohol consumption and the colorectal carcinogenesis. Specifically, how can you differentiate the effect of alcohol from the effect of other carcinogens? It is known that people with other pathology, i.e. obesity, smoking history are also more prone to developing cancer. For this reason, the table comparing the alcohol and non-alcohol group should include these factors, if available, to insure homogeneity of groups. Additionally, alcohol consumption exists over a spectrum. It would be intereting to differntiate the effects of heavy drinking from moderate drinking, in order to assess a potential alcohol quztity-effect relationship. The animals tudies are described in an excellent way and clearly took a lot of effort to conduct.