



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 67093

Title: Recent insights into the characteristics and role of peritoneal macrophages from ascites of cirrhotic patients

Reviewer's code: 05619876

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Chief Physician, Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2021-04-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-21 23:44

Reviewer performed review: 2021-04-24 01:16

Review time: 2 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 Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 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



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SPECIFIC COMMENTS TO AUTHORS

The authors summarized recent relevant publications on the biology of peritoneal macrophages under the perspective of its future clinical translation to the role that these cells can play on several human liver diseases. The manuscript is interesting and suggested to be published in this journal.



PEER-REVIEW REPORT

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Manuscript NO: 67093

Title: Recent insights into the characteristics and role of peritoneal macrophages from ascites of cirrhotic patients

Reviewer's code: 03668558

Position: Editorial Board

Academic degree: MD

Professional title: Consultant Physician-Scientist, Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: Spain

Manuscript submission date: 2021-04-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-21 15:41

Reviewer performed review: 2021-04-25 13:45

Review time: 3 Days and 22 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
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
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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



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SPECIFIC COMMENTS TO AUTHORS

This was a review article for the section FRONTIER of the WJG. There are 3 figures, no tables, 52 references. The Authors have previously investigated several pathways of peritoneal macrophages, therefore they actually depict a concise, well-written overview on this topic. Moreover, as stated in the Title, they tried to offer new insights on this translational research, citing recently published articles. In my opinion, the paper is not redundant and falls into the scope of the Frontier section of the WJG. My comments:

- I would not report the section about omentum.
- I agree with the fact that CAPD patients are not healthy people, and that collection of peritoneal fluid is not possible in healthy people. How the Authors explain the peritoneal fluid they analyzed during gynaecological interventions? Can we assume that this peritoneal fluid can be due to a certain degree of inflammation?
- Clinical diagnosis of spontaneous bacterial peritonitis is based on quantitative measurement of PMN cells of ascites. Any information about the quantitative role of ascitic fluid macrophages ?
- Does any comparison exist between macrophages in cirrhosis with ascites and macrophages in cirrhosis with ascites and SBP? Any association between macrophages and degree of liver function (e.g., according to Child-Pugh score)?
- I agree with the hypothesis that intermittent bacterial translocations may induce a "preactivated" status of macrophages. An underlying, persistently activated - although subclinical - inflammatory status has been proposed as a driver for decompensated cirrhosis (as explained in this paper: doi 10.1016 / j.jhep.2020.11.048). A comment on this topic would be valuable.

Minor:

- there are few typos (e.g., Fig3, presets)
- Page 17: Saying that "sCD206 is an independent predictor of death in patients with SBP" may be more appropriate.
- abbreviations are not cited in the abstract body.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 03668558

Position: Editorial Board

Academic degree: MD

Professional title: Consultant Physician-Scientist, Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: Spain

Manuscript submission date: 2021-04-14

Reviewer chosen by: Li-Li Wang

Reviewer accepted review: 2021-07-29 15:36

Reviewer performed review: 2021-07-29 15:42

Review time: 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
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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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



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The Authors have fairly answered my previous comments.