# 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

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<tr>
<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[ Y] Grade B: Very good</th>
<th>[ ] Grade C: Good</th>
<th>[ ] Grade D: Fair</th>
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<td>Language quality</td>
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<td>[ ] Grade B: Minor language polishing</td>
<td>[ ] Grade C: A great deal of language polishing</td>
<td>[ ] Grade D: Rejection</td>
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<tr>
<td>Conclusion</td>
<td>[ ] Accept (High priority)</td>
<td>[ Y] Accept (General priority)</td>
<td>[ ] Minor revision</td>
<td>[ ] Major revision</td>
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<td>Peer-reviewer</td>
<td>Peer-Review: [ Y] Anonymous</td>
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<td>statements</td>
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<td>[ Y] No</td>
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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.
**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:** 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

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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

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: 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
[ ] Grade A: Excellent  [ ] Grade B: Very good  [ ] Grade C: Good
[ ] Grade D: Fair  [ ] Grade E: Do not publish

Language quality
[ ] 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)
[ ] Minor revision  [ ] Major revision  [ ] Rejection

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

SPECIFIC COMMENTS TO AUTHORS
The Authors have fairly answered my previous comments.