

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology

Manuscript NO: 57924

Title: Spontaneous bacterial peritonitis due to carbapenemase-producing enterobacteriaceae: Etiology and antibiotic treatment.

Reviewer's code: 05088164

Position: Associate Editor

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Romania

Author's Country/Territory: Italy

Manuscript submission date: 2020-06-29

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-09-03 14:16

Reviewer performed review: 2020-09-07 20:45

Review time: 4 Days and 6 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 Grade E: Do not publish
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 type="checkbox"/> Accept (General priority) <input checked="" 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

This review is dealing with the etiology and treatment of spontaneous bacterial peritonitis due to carbapenemase-producing Enterobacteriaceae, as emerging bacterial agents in this severe entity. The abstract summarizes in a correct manner the data presented in the paper. I would not use “review” as a keyword. Also, “ascites” could be not used. In the Introduction the authors presented very concise and clear the importance of this review as infections caused by CRE are severe, with high mortality and the current guidelines for antibiotics are insufficient. The review is structured in 3 parts, presenting the burden of carbapenemase-producing Enterobacteriaceae in SBP, the molecular characteristics and the antimicrobial management of SBP. Data of different studies with CRE SBP reviewed are very interesting, the authors included in one table results of some studies (I would suggest improving the title of Table 1...). Also, I would suggest including a legend in Figure 1 for all abbreviations presented there. In the last part, the authors reviewed the last data on different medications and combinations that could be used for SBP due to carbapenemase-producing Enterobacteriaceae. I suggest to include another table to have a clear and quick view of all these medications with advantages, disadvantages. In this way the reader could have a image of all possibilities of treatment. The authors based their review on 80 important papers including also very recent papers, published 2019-2020. The manuscript is well and concisely organized with appropriate language and correct grammar. But, still there are some typo corrections that should be done.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Author's Country/Territory: Italy

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Reviewer accepted review: 2020-10-09 11:09

Reviewer performed review: 2020-10-10 11:45

Review time: 1 Day

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
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

The manuscript was corrected based on the reviewers' recommendations. With the addition of Table 5, it is really easy to see the proposed therapies and their advantages and disadvantages. Still, I would recommend deleting line 10 on page 5, and probably the abbreviations should be linked to the Table1. And the number of references can be added in column 1 of the table. Also, for all other tables please put the abbreviations in the base of the table (even that those are presented in the text).