

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 63825

Title: Effect of gastric microbiota on quadruple Helicobacter pylori eradication therapy containing bismuth

Reviewer's code: 02536288

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor, Research Scientist, Senior Lecturer

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2021-02-09

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-03-04 09:55

Reviewer performed review: 2021-03-04 11:42

Review time: 1 Hour

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 Grade E: Do not publish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
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

SPECIFIC COMMENTS TO AUTHORS

Hello Thank you for this manuscript I have some comments: 1. Please include in "Materials and methods" more information about points of microbiota analysis - it was done only before treatment or also after treatment? 2. Please write how you choose patients from success group for analysis - it was random choose? 3. In conclusion please write practical recommendations for future

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 63825

Title: Effect of gastric microbiota on quadruple Helicobacter pylori eradication therapy containing bismuth

Reviewer's code: 00503623

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2021-02-09

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-03-04 16:11

Reviewer performed review: 2021-03-04 17:30

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 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 type="checkbox"/> Accept (General priority) <input checked="" 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

This manuscript reports the results of studies on the effect of gastric microbiota on the eradication rate of Hp in patients subjected to 14 days quadruple Hp eradication therapy. The results show that failure in Hp eradication was associated with gastric microbiota rich in Proteobacteria, Bacteriodes, Firmicutes, Actinomycetes, and Fusobacteria, while the high rate of Hp eradication was associated with Rhodococcus, Lactobacillus and Sphingomonas. Hence, the conclusion is that the effect of quadruple HP eradication therapy depends on gastric microbiota. It should be noted that the study was performed with relatively small number of patients. Moreover, the results and conclusions are not clearly accentuated. The text is difficult to read due to poor composition and the lack of key to the used abbreviations. Hence, the manuscript requires thorough revision of the sections on “Abstract” and “Conclusion”