

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 67059

**Title:** Helicobacter pylori eradication: exploring its impacts on the gastric mucosa

**Reviewer's code:** 04913316

**Position:** Peer Reviewer

**Academic degree:** AGAF, MD, PhD

**Professional title:** Full Professor, Professor

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-04-14

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-14 07:08

**Reviewer performed review:** 2021-04-16 08:41

**Review time:** 2 Days and 1 Hour

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	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 is an interesting review exploring the changes of gastric mucosa (both at the macroscopic and microspopic level) following H. pylori eradication. The manuscript is interesting, and well written and I recommend it be accepted for publication Minor changes Avoid terms such as elimination or depletion. Eradication is more appropriate

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 67059

**Title:** Helicobacter pylori eradication: exploring its impacts on the gastric mucosa

**Reviewer's code:** 05224115

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Research Fellow

**Reviewer's Country/Territory:** Japan

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-04-14

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-16 00:43

**Reviewer performed review:** 2021-04-23 01:07

**Review time:** 7 Days

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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 a review paper discussing *Helicobacter pylori* infection, focusing on exploring its impacts on the gastric mucosa. The authors have emphasized the importance of *H. pylori* infection, most especially as it is related to the gastric mucosa and the development of multiple gastric mucosa and extragastric diseases. I would like to commend the authors for the good-formatting of the manuscript, making it easier to read and follow through. I would like to make a few comments and suggestions.

1. The authors have touched on the endoscopic findings of the gastric mucosa in *H. pylori* infection. There are a few reported studies on the use of a novel endoscopic technique, endocytoscopy, in the assessment and evaluation of the gastric mucosa in *H. pylori*. I would recommend including these reports (One example: In vivo gastric mucosal histopathology using endocytoscopy. Sato H, et al. World J Gastroenterol)
2. Please have the manuscript rechecked by a native English speaker or a language-editing company, to make the English more consistent. For example, for Section 2.1, under the subsection "Changes of atrophy and intestinal metaplasia", the authors wrote "However, Kang JM et al founded AG was improved in corpus but not in antrum at same time.[41]" Please change "founded" to "found".

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 67059

**Title:** Helicobacter pylori eradication: exploring its impacts on the gastric mucosa

**Reviewer's code:** 04162659

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Professor

**Reviewer's Country/Territory:** United States

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-04-14

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-15 18:02

**Reviewer performed review:** 2021-04-24 19:26

**Review time:** 9 Days and 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	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 authors review the impact of eradication of *Helicobacter pylori* on gastric mucosa. This is an important topic and the authors have compiled a number of studies to reference. Specific comments; 1. The manuscript should be reviewed and corrected for English language and grammar, especially due to the syntax errors throughout the manuscript. 2. *H. pylori* is not italicized at least in one place (second last line on page 6). 3. On page 9, please explain: "However, although community structure can also be partly restored upon *H. pylori* elimination, whether the post-eradication and negative control groups still markedly differ remains highly controversial." 4. The section on gastric microbiota is not connected to the rest of the article. This section can be deleted as it does not add to the rest of the manuscript the way it is written. 5. The manuscript should include additional studies from different regions of the world. 6. The flow of the manuscript needs to be improved as in places it reads like information has been put in for various aspects without making proper connections.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 67059

**Title:** Helicobacter pylori eradication: exploring its impacts on the gastric mucosa

**Reviewer's code:** 02522871

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-04-14

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-20 17:50

**Reviewer performed review:** 2021-04-30 14:40

**Review time:** 9 Days and 20 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	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 review entitled “*Helicobacter pylori* eradication: Exploring its impacts on the gastric mucosa” deals with endoscopic, histological and gastrointestinal microbiota changes related to *H. pylori* eradication. Despite the authors summarize the benefits associated with *H. pylori* eradication in a clear and coherent manner, I have some suggestions: In the discussion, the authors deal with the problem of *H. pylori* resistance to the common antibiotic therapy and cite the potential use of antimicrobial peptides as potential substitutes. Could the authors add more details about this and some information about the main novel treatments developed against *H. pylori*? The authors should extend the section introduction.