

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 75058

Title: Helicobacter pylori Infection (HPI) and Small Intestinal Bacterial Overgrowth (SIBO) – More than what meets the eye.

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00034489

Position: Editorial Board

Academic degree: AGAF, MD, PhD

Professional title: Director

Reviewer's Country/Territory: Japan

Author's Country/Territory: United States

Manuscript submission date: 2022-01-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-15 09:26

Reviewer performed review: 2022-01-18 07:37

Review time: 2 Days and 22 Hours

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|--------------------|---|
| 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 Grade E: Do not publish |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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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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

This report is a short review of the association between *Helicobacter pylori* infection and SIBO. It contains new insights and is a good way to get an overview to readers in a short amount of time. The points to be improved are shown below. 1) IBD is on both sides of the figure and there is no IBD in the center overlap. I think this is because there are few IBD patients with HPI infection and SIBO exacerbates IBD patients, but this does not convey to the reader. Annotate the figure with arrows, etc. in an easy-to-understand manner. Also, more information and references regarding this figure are needed in this section. 2) In the diagnostic part, atrophic gastritis will be needed for indication. 3)

The stool antigen test is sensitive even during PPI administration, so check it in the literature and rewrite it in the diagnostic part. 4) If HPI and SIBO overlap, it seems appropriate to first eradicate HP and then treat SIBO. Please investigate and consider this point in the treatment part.

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03260687

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Poland

Author's Country/Territory: United States

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| Scientific quality | <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 |
| Language quality | <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 |
| 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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|-------------------------------------|---|
| Peer-reviewer statements | Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No |
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SPECIFIC COMMENTS TO AUTHORS

The authors analyzed the research results and opinions in the coexistence of H. pylori infection and small intestinal bacterial overgrowth contained in 27 studies published in recent years. The assessment of this issue is difficult as there are not enough randomized and population studies. Moreover, SIBO in 10-15% of people and H. pylori infection more than 70% of people are asymptomatic. So far, no diagnostic and therapeutic standards have been established, in particular, recurrence of abdominal ailments after treatment with antibiotics. The presented doubts are included in the content of the work. The work has low scientific value, but inspires to conduct further research in this area. For these reasons it can be published in WJG.