

## PEER-REVIEW REPORT

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

**Manuscript NO:** 79162

**Title:** Virulence markers on clinical outcomes in adult populations

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 02440500

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2022-08-16

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-08-16 11:14

**Reviewer performed review:** 2022-08-16 13:09

**Review time:** 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 Grade E: Do not publish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 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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

First, As we all know, *Helicobacter pylori* cannot grow well under "microaerophilic conditions (5% CO<sub>2</sub>)" conditions, please check whether the culture conditions are written accurately. Second, In terms of the ID of *Helicobacter pylori*, the bacterial morphology under the microscope and identification of urease, oxidase and catalase should be added. In the application of MALDI-TOF MS identification method, the description of the version number of the comparison database used should be added, because some earlier versions did not identify *Helicobacter pylori* with high accuracy. Third, In this study, 108 cases were selected, and 108 strains were isolated. Is the success rate of *Helicobacter pylori* isolation in the experiment 100%? Proper explanation is recommended. The last, In this study, "urease activity was quantified using the rapid urease test (RUT)". The author should explain whether the bacterial growth state and culture time of each isolated strain used to prepare bacterial liquid are the same.

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**Peer-review model:** Single blind

**Reviewer's code:** 05770932

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Academic Research, Doctor, Medical Assistant, Postdoc, Research Assistant

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

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

**Manuscript submission date:** 2022-08-16

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-23 09:18

**Reviewer performed review:** 2022-09-23 09:21

**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 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



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
<https://www.wjgnet.com>

<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**

nothing

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**Manuscript NO:** 79162

**Title:** Virulence markers on clinical outcomes in adult populations

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06380963

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2022-08-16

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-22 05:29

**Reviewer performed review:** 2022-09-23 21:51

**Review time:** 1 Day and 16 Hours

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)  
<https://www.wjgnet.com>

statements

Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

- The Biostatistics Review Certificate uploaded was made for another article - please upload the correct certificate. - The Signed Informed Consent Document and the Institutional Review Board Approval Document seem to be the same document, and both are not in english - please review and upload the correct documents with appended English translation.

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**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06381493

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2022-08-16

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-21 19:23

**Reviewer performed review:** 2022-10-04 01:21

**Review time:** 12 Days and 5 Hours

<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
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<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

1) In Figure 2, is the p-value supposed to be 0.752? It appears to be “752” in the figure. 2) In the Statistical Analysis of Materials & Methods section, it would be better to specify the variables that are used as continuous and categorical variables for this analysis. 3) In the paragraph below Figure 2, it would be better if the acronym O.D could be spelled out as it is used for the first time in the paper. 4) In the sentence in the second paragraph of the discussion section “As only a sample of our isolates were tested for presence of CagA, a higher prevalence of this gene exists among H. pylori strains in Israel may be possible”, does it mean that only selected samples were tested for CagA? This sentence confuses the reader, and it would be better if more clarity could be provided. 5) In the sentence in the fourth paragraph of the discussion section – “In light of the above, it is important to profile variants in patients in order to assess disease progression”, can you please specify the variants discussed here to enhance the understanding of the reader.