

## PEER-REVIEW REPORT

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

**Manuscript NO:** 74650

**Title:** Who to screen and how to screen for celiac disease

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

**Peer-review model:** Single blind

**Reviewer's code:** 05400480

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Chief Physician, Associate Professor

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

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

**Manuscript submission date:** 2021-12-31

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-01-09 02:25

**Reviewer performed review:** 2022-01-13 15:11

**Review time:** 4 Days and 12 Hours

<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 Grade E: Do not publish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 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 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

## SPECIFIC COMMENTS TO AUTHORS

In this manuscript entitled “Who and How to Screen for Celiac Disease”: the authors categorized different atypical symptoms associate with celiac disease as definite indications, probable indications and possible conditions. And the diagnostic performance and limitations of these serological tests were discussed. Additionally, the diagnostic ideas for patients with suspected celiac disease are proposed. However, there were some problems in this study. 1. The 2016 WHO global guidelines have indicated that patients with symptomatic diseases described in this article should be tested for celiac disease. Therefore, the clinical implication of this article is not significant. 2. Suggest adding the elaboration on the pathogenesis of celiac disease and further elaborate on the relationship between typical and atypical symptoms of celiac disease in the introduction. 3. Suggest adding the specific division basis of Definite indications for screening for CeD 、 Probable indications for screening for CeD and Probable indications for screening for CeD. 4. Suggest searching multiple databases to avoid missing literature 5. In the part of patients with iron deficiency anemia, suggest adding the reason for the sudden mention of vitamin B12 deficiency in iron deficiency anemia and further discuss the causes of different prevalence rates caused by geographical factors. 6. It is recommended that disease of the same system be grouped together, such as liver disease, cryptogenic cirrhosis and auto-immune hepatitis. 7. Suggest tabulating the studies involved in the manuscript to make the summary more clear

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**Reviewer's code:** 05852316

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-12-31

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-01-07 08:44

**Reviewer performed review:** 2022-01-17 01:13

**Review time:** 9 Days and 16 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
<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

statements

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

## SPECIFIC COMMENTS TO AUTHORS

Celiac disease is a chronic gluten-induced enteropathy with plethoric manifestations. In this review article, the authors summarized the available literature about the prevalence of celiac disease in various gastrointestinal (chronic diarrhea) and non-gastrointestinal conditions. Share the various clinical indications for screening for Celiac disease. Also, elucidate the diagnostic performance of various serological assays along with their limitations and propose a diagnostic algorithm for patients with suspected celiac disease. However, there were some problems in this article. 1. Probable indications for screening for CeD. Suggest adding Indicators of laboratory and instrument testing. 2. Suggest searching multiple databases to avoid missing literature. It is suggested to add the latest relevant literature. 3. That patients with symptomatic diseases described in this article should be tested for celiac disease. Therefore, the clinical implication of this article is not significant. It is recommended to summarize a set of diagnostic schemes. 4. It is recommended that disease of the same system be grouped together. 5. It is suggested to express the research results in the form of charts. Or other forms, more intuitive.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Academic degree:** MD, PhD

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

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**Reviewer chosen by:** Han Zhang

**Reviewer accepted review:** 2022-03-15 05:45

**Reviewer performed review:** 2022-03-17 03:22

**Review time:** 1 Day and 21 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 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>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**

Thanks for inviting me to re-review the manuscript. All of the suggestions have been responded point to point, and the manuscript is better elaborated with detailed revisions. It offers clinical lessons about who and how to screen for celiac disease. It is such a good idea to illustrate the screening indications and diagnostic flow by figure, but I do suggest that Figure 2 could be polished to be more concise. I suggest minor revision.