



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 63662

Title: Mucosal lesions of the upper gastrointestinal tract in patients with ulcerative colitis: A review

Reviewer's code: 05120663

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2021-02-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-02 15:21

Reviewer performed review: 2021-02-03 12:18

Review time: 20 Hours

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 Grade E: Do not publish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
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



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SPECIFIC COMMENTS TO AUTHORS

The authors wrote a generally good review on upper GI lesions in ulcerative colitis. This is, overall, of very high interest. Following points should be improved. There are many environmental, dietary, and lifestyle factors that influence the microbiome (in both intestinal lumen and tissue), immune system, pathogenic mechanisms. Upper and lower GI are connected and may have related pathogens. The authors should discuss these points; influence of those factors, eg, smoking, alcohol, diet, obesity, microbiome, immunity. There are also influences of germline genetic variations on both immune system and microbiota. Gene-by-environment interactions should be discussed. In these contexts, as a future direction, research on dietary / lifestyle factors, microbiome, immunity, and personalized molecular biomarkers in these diseases is needed. The authors should discuss molecular pathological epidemiology (MPE), which can investigate those factors in relation to molecular pathologies, immunity, and clinical outcomes. MPE research can be a promising direction and improve prediction of response to pharmacological, dietary, and lifestyle intervention. MPE and its strengths / challenges discussed in *Epidemiology* 2016, *Annu Rev Pathol* 2019, etc. should be discussed in this paper.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2021-02-02

Reviewer chosen by: Han Zhang (Part-Time Editor)

Reviewer accepted review: 2021-03-15 20:50

Reviewer performed review: 2021-03-15 21:01

Review time: 1 Hour

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent [] Grade B: Very good [] Grade C: Good [] Grade D: Fair [] Grade E: Do not publish
Language quality	[] Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing [] Grade C: A great deal of language polishing [] Grade D: Rejection
Conclusion	<input checked="" type="checkbox"/> Accept (High priority) [] Accept (General priority) [] Minor revision [] Major revision [] Rejection
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous [] Onymous Conflicts-of-Interest: [] Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



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The authors improved the review substantially.