

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59037

Title: Coronavirus Disease-2019 (COVID-19): An overview and a clinical update

Reviewer's code: 01898555

Position: Editorial Board

Academic degree: MD, MSc, PhD

Professional title: Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: United States

Manuscript submission date: 2020-09-08

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-09-29 14:02

Reviewer performed review: 2020-09-29 15:01

Review time: 1 Hour

Scientific quality	[<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] Grade E: Do not publish
Language quality	[<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
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

This is a generally well-written review on COVID-19. The topic is of very high interest. This paper can be improved in following points. Section/subsection headings and hierarchy are confusing. Please clarify and/or reorganize sections and subsections. Many discussion points are binary and dichotomous (eg, immune vs. non-immune; up vs. down-regulation; old vs. young; etc.). It is a bit misleading because many biological characteristics form or represent a continuum. There are many environmental, dietary, and lifestyle factors that influence the microbiome (in both gut lumen and tissue), immune system, pathogenic mechanisms, and response to vaccination. The authors should discuss these points; influence of those factors, eg, smoking, alcohol, diet, obesity, microbiome, etc. on immunity. Personal differences in immune response likely result from these factors as well as our genetic differences. Currently, there is lack of data in those areas. In these contexts, as a future direction, research on dietary / lifestyle factors, microbiome, immunity, and personalized molecular biomarkers 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, its strengths and challenges have been discussed in J Pathol 2019, Annu Rev Pathol 2019, etc. MPE research can be a promising direction and improve prediction of response to vaccine or other forms of immune-based intervention.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Author's Country/Territory: United States

Manuscript submission date: 2020-09-08

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

Reviewer accepted review: 2020-11-02 15:51

Reviewer performed review: 2020-11-02 15:58

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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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

I don't see any improvement. please read my comments and improve the paper once



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again.