

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Infectious Diseases*

Manuscript NO: 77094

Title: Clinical Significance of Anti-nucleocapsid-IgG Sero-positivity in SARS-CoV-2 Infection in Hospitalized Patients in North Dakota

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04227304

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor

Reviewer's Country/Territory: Israel

Author's Country/Territory: United States

Manuscript submission date: 2022-06-18

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-06-18 06:29

Reviewer performed review: 2022-06-22 16:11

Review time: 4 Days and 9 Hours

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 Grade E: Do not publish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 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 type="checkbox"/> Minor revision <input checked="" 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: ☒ Anonymous ☐ Onymous

Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

Included in the attached file

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05824555

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: United States

Manuscript submission date: 2022-06-18

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-06-25 18:09

Reviewer performed review: 2022-07-06 11:25

Review time: 10 Days and 17 Hours

Scientific quality	<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
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
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**Peer-reviewer
statements**

Peer-Review: ☒ Anonymous ☐ Onymous

Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

This paper presents a case study concerning several epidemiologic-clinical parameters when they are taken against SARS-CoV-2 in patients hospitalized with severe COVID-19 illness. The authors provide statistical analysis of a certain group of patients tested for COVID-19 who were admitted to a hospital in North Dakota. The authors conclude that the admission rate to the ICU and the use of BiPAP, HFNC and VENT support were not significantly distinct across IgG status. However, an important parameter related to monitoring the patients' condition - the length of stay - when assessed by IgG status was found to be significant. In overall, the paper is well-written and flows logically. Technically, the authors apply regression models to better fit their data, hence improving the quality of the results and their analysis. Although the discussion and data analysis have been performed adequately, I believe that a correlation study involving the examined variables would bring interesting insights and a richer discussion of the results.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 04227304

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor

Reviewer's Country/Territory: Israel

Author's Country/Territory: United States

Manuscript submission date: 2022-06-18

Reviewer chosen by: Ji-Hong Liu

Reviewer accepted review: 2022-08-04 08:50

Reviewer performed review: 2022-08-04 16:14

Review time: 7 Hours

Scientific quality	<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
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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

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

SPECIFIC COMMENTS TO AUTHORS

I think the authors did a good work revising the paper. All of my initial questions and concerns were answered and the manuscript was changed accordingly. The main issue which still needs a small change are the tables - their title should not include the abbreviations. In addition, the first small paragraph in the results which describes the cohort baseline characteristics does not need to repeat the methods. An example for this paragraph can be: The baseline characteristics of our study cohort are presented in Table 1. The cohorts' mean age was XX and XX (XX%) were female. XX% of the patients had critical COVID-19 disease, XX% died during their hospitalization and the overall LOS was a median of XX days. (This is only an example of course). Overall the paper has improved significantly and I would like to thank you for the opportunity to review it.