

PEER-REVIEW REPORT

Name of journal: *World Journal of Virology*

Manuscript NO: 74465

Title: SARS-CoV-2 Omicron variant (B.1.1.529): A concern with immune escape

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00724887

Position: Editorial Board

Academic degree: MD

Professional title: Director

Reviewer's Country/Territory: India

Author's Country/Territory: Nigeria

Manuscript submission date: 2021-12-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-29 01:35

Reviewer performed review: 2021-12-29 01:39

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 Grade E: Do not publish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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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

Well written manuscript I suggest authors to add a paragraph on PCR detection/suggestion of Omicron, the SARS-CoV-2 variant (S gene drop)

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Title: SARS-CoV-2 Omicron variant (B.1.1.529): A concern with immune escape

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05532383

Position: Peer Reviewer

Academic degree: MBBS, MPhil

Professional title: Academic Research, Associate Professor

Reviewer's Country/Territory: Bangladesh

Author's Country/Territory: Nigeria

Manuscript submission date: 2021-12-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-28 15:13

Reviewer performed review: 2022-01-06 19:31

Review time: 9 Days and 4 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 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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Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Dear authors, I would like to appreciate your concern about the emergence of a new SARS-CoV-2 variant, omicron. I have gone through the manuscript and comments/correction has been provided in the article document in the track change method. Additionally, there were a lot of references used, and somewhere it was found unnecessary. I have highlighted some of those that can be omitted, only keeping the most relevant ones. Citing should be made once at the end of the statement while mentioning a source.

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Title: SARS-CoV-2 Omicron variant (B.1.1.529): A concern with immune escape

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05634138

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Iran

Author's Country/Territory: Nigeria

Manuscript submission date: 2021-12-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-28 04:58

Reviewer performed review: 2022-01-07 10:50

Review time: 10 Days and 5 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 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	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

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

SPECIFIC COMMENTS TO AUTHORS

This article can be considered for publication but after minor review. 1-You have mentioned: severe COVID-19 can still be managed with the use of corticosteroids and interleukin 6 (IL-6) receptor blockers; Can you mention the mechanism of action for interleukin 6 (IL-6) receptor blockers and how it was effective in treating COVID-19 patients. 2- in Containment Strategy: It was mentioned that: Although the study reported breakthrough infections experienced by completely vaccinated patients and some who had also received a booster vaccine, all cases had increased levels of antibodies against the spike protein, a common finding in patients vaccinated with a booster dose; Can the booster vaccine protect from this new variant, please explain more.