

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 73931

**Title:** Omicron variant (B.1.1.529) of SARS-CoV-2: mutation, infectivity, transmission, and vaccine resistance

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

**Peer-review model:** Single blind

**Reviewer's code:** 05393454

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2021-12-08

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-12-08 15:48

**Reviewer performed review:** 2021-12-11 05:03

**Review time:** 2 Days and 13 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 Grade E: Do not publish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
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

<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

1. The English need improvement since there are a few grammatical and syntax errors in the manuscript. For example, the words "Omicron" may be as "the Omicron"; "impact to" as "impact on"; "impact on its" as "impact its"; "into human" as "into a human"; "positive of" as "positive for"; "it was" as "was"; "contacts with" as "contacts"; "potential" as "the potential"; "cases has" as "cases have"; "of disease" as "of the disease"; "infection" as "an infection"; "is effect" as "is the effect"; "to use" as "using". The grammar mistakes which are not mentioned here are also to be checked and corrected properly.

2. There are some typing mistakes as well, and authors are advised to carefully proof-read the text. For example, the words "reviews summaries" may be as "review summarises"; "Key words" as "Keywords"; "In the end" as "At the end"; "certainly" as "certainly,"; "spilled" as "spilt"; "variant," as "variant"; "population?" as "populations?"; "R value" as "R-value"; "end it" as "end, it"; "south" as "South or southern"; "USA ," as "USA,"; "infection tested" as "infections tested"; "travelers" as "travellers"; "19.Other" as "19. Other"; "SARS-CoV-2 infection" as "SARS-CoV-2 infection?". The typos not mentioned here are also to be checked and corrected properly.

3. The databases or search engines used (like PubMed, ScienceDirect, Google scholar etc.,) for the collection of this information with the keywords (in the text) used should be mentioned since this is a review article.

4. The authors are encouraged to included data related with technological tools available to identify Omicron variant in brief.

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**Peer-review model:** Single blind

**Reviewer's code:** 05915429

**Position:** Peer Reviewer

**Academic degree:** BSc, MSc

**Professional title:** Research Assistant Professor

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

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

**Manuscript submission date:** 2021-12-08

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-12-08 14:59

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**Review time:** 2 Days and 15 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 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
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input 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



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<b>Peer-reviewer statements</b>	Peer-Review: [ <input type="checkbox"/> ] Anonymous [ <input checked="" type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
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## **SPECIFIC COMMENTS TO AUTHORS**

1. It was that “The Omicron variant have caused continuous tremendous disaster to the world” this virus is new variant and its infection rate ( $R_0$ ) is not known yet and its pneumonia causing capability is yet to be determined. So, I think that the term continuous tremendous disaster” is not suitable for this variant. Please modify this sentence. 2. Please mention if 5 out of 7 continents have this variant. 3. Update the epidemiological information once accepted for publication. 4. Please check the space between the words. 5. The references have to be as per the journal’s standard mainly the website references (Ref 9,10, & 11) used in this manuscript. 6. Please provide a heading for conclusion paragraph. 7. “Bieniasz team’s work” it’s better if you use the first author’s name and mention as “X and colleagues reported” sounds better.

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

**Peer-review model:** Single blind

**Reviewer's code:** 05755618

**Position:** Peer Reviewer

**Academic degree:** FACP, MD

**Professional title:** Chief Physician, Doctor

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

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

**Manuscript submission date:** 2021-12-08

**Reviewer chosen by:** Lian-Sheng Ma

**Reviewer accepted review:** 2021-12-09 02:49

**Reviewer performed review:** 2021-12-11 14:43

**Review time:** 2 Days and 11 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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No
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### **SPECIFIC COMMENTS TO AUTHORS**

The authors described in this review article that Omicron tends to escape our immune system's defenses, and COVID-19 vaccines may be less effective against the Omicron variant. The symptom of Omicron is scary as compared to previous variants. The severity of Omicron is unknown to date. It is a well-written article, including updated evidence. However, there are some concerns of this article. 1. The authors should add an introduction. 2. There are no descriptions of search methods of references. 3. The authors may add the tables that compared the other variants from the Omicron. 3. The references are too small for a full review article.

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

**Peer-review model:** Single blind

**Reviewer's code:** 02943442

**Position:** Editorial Board

**Academic degree:** MPhil, PhD

**Professional title:** Academic Fellow, Assistant Professor

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

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

**Manuscript submission date:** 2021-12-08

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-12-09 10:49

**Reviewer performed review:** 2021-12-17 16:48

**Review time:** 8 Days and 5 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
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No
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#### **SPECIFIC COMMENTS TO AUTHORS**

The article is informative, but the information is too scanty. Authors are advised to add more information about the readers, especially how this variant is more contagious than the previous strains? It is recommended to add the differences of different strains in tabular form. Secondly, what is the methodology of the current study? How were the articles included/Excluded? Authors are advised to make any PRISMA checklist for article selection. Multiple English languages and syntax issues are seen; it requires major language polishing.