

PEER-REVIEW REPORT

Name of journal: *World Journal of Virology*

Manuscript NO: 74144

Title: Educational, psychosocial, and clinical impact of SARS-CoV-2 (COVID-19) pandemic on medical students in the United States.

Provenance and peer review: Invited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05374753

Position: Editorial Board

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: United States

Manuscript submission date: 2021-12-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-31 03:55

Reviewer performed review: 2022-01-07 08:11

Review time: 7 Days and 4 Hours

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Language quality	<input checked="" type="radio"/> Grade A: Priority publishing <input type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
Conclusion	<input checked="" type="radio"/> Accept (High priority) <input type="radio"/> Accept (General priority) <input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection
Re-review	<input type="radio"/> Yes <input checked="" type="radio"/> No



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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 article is mostly well-written and the tables are well developed. In my view the research idea is of great interest and can be a candidate for publication in World Journal of Virology. I have no comments.

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Title: Educational, psychosocial, and clinical impact of SARS-CoV-2 (COVID-19) pandemic on medical students in the United States.

Provenance and peer review: Invited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05789838

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: United States

Manuscript submission date: 2021-12-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-08 04:52

Reviewer performed review: 2022-01-11 15:48

Review time: 3 Days and 10 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 type="checkbox"/> Yes <input checked="" 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

SPECIFIC COMMENTS TO AUTHORS

This article examines the impact of COVID-19 on medical students. First of all I think this topic is very valuable, it is well known that the global epidemic of COVID-19 has had multiple effects on college students, especially medical students who will become doctors in the future, and their growth under the COVID-19 epidemic is very important. But I think the following two issues deserve the author's attention and revision. First, the authors dichotomize 1-10 anxiety into low (≤ 5) and high (> 5) categories. What is the basis for this classification? Or this classification is just a subjective classification of the author. If there are no established criteria, I would recommend categorizing anxiety into three categories: low (< 3.3), moderate (> 3.3 & < 6.6), and high (> 6.6), because in previous literature on anxiety, anxiety is present Moderate, moderate levels of anxiety do not significantly affect an individual's learning. Due to the rush of survey data collection, the author did not adopt any sampling plan, which is permissible considering the actual situation of this study. However, it must also be carefully considered that since the samples come from different states, the differences in policies in different states will lead to large differences in the anxiety and other feelings felt. It is suggested that the author can analyze the differences between different states, and of course consider grouping states according to their different COVID-19 policies.

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Provenance and peer review: Invited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05630677

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: United States

Manuscript submission date: 2021-12-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-08 09:05

Reviewer performed review: 2022-01-12 19:19

Review time: 4 Days and 10 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

**Peer-reviewer
statements**

Peer-Review: [☐] Anonymous [☒] Onymous

Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

1- Title: The title is rather general. Although the researchers aimed to evaluate the SARS-CoV-2 (COVID-19) pandemic impact on medical students throughout the United States, the title should be revised to specify which impacts of COVID-19 were the most significant? 2- The abstract should be revised. The aim of the study is not clearly stated. No suggestion has been given in the conclusions for future research and it conveys general information. 3- The keywords are not according to MeSH terms and should be revised. 4- Background of the study is rather long. Although one could expect a long introduction due to the large number of available literatures, the text should be summarized. 5- Although the Institutional Review Board of USC determined this study to be exempt from review, I would like to strongly suggest add compelling data about the validity and reliability of the test for medical students, since the original test was on surgeons. 6- Results: According to the information in table 1; most of studied subjects are from Missouri, California, Pennsylvania, Massachusetts, Washington, and Florida. Most of the states have minor participation with only one subject. Is it possible to generalize your findings to all of the united states medical students? Moreover, according to table 2, most of the students were in their beginning four years of their studies, which also highlights another limitation that should be discussed. 7- The limitations of the current work are more than what is written. Please consider statistical and grouping limitations as well. What was the power of the study? 8- The code of ethics is not mentioned.