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OPEN PEER REVIEW

Examining the Changes in Coagulation Parameters in Patients Infected with SARS-CoV-2 Variants (Alpha, Beta, Delta, and Omicron)

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About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

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Contents

1 Original submission Referee 1 2
2 Revision 1 3
Authors' reply to reviewers 4
Reviewer and editor comments 6

1 Original submission

1 comment · 18 Nov 2023

Referee 1 Reviewer

MAJOR REVISION 18 Nov 2023

Dear Editor,
The researchers in this study aimed to investigate changes in four different blood factors in patients with COVID-19 infected with different strains. The results have shown that D-dimer and fibrinogen levels increase toward the micron strain. Considering the large study sample and the differences between strains, the subject under investigation is valuable, and after corrections are made, it is acceptable for publication.

Reviewer's comment:
1- This part could be removed. Please replace it with patient data: sampling period, gender and age, number of patients, control group designation, etc.
2- Please add "positive PCR result for SARS cov2" as an inclusion criterion in this part.
3- Please specify which viral genes were evaluated using the real-time PCR kit: N, RdRp, or E?
4- What do you mean by independent group? Do you mean the control group? Please clarify.
5- What do you mean by variant group? Do you mean the case group (patient group)? Please clarify.
6- The discussion should be expanded. Please expand it with more details and compare your results with other studies that evaluate blood factors. Also, in the discussion, the author claims that D-dimer and fibrinogen levels increase from alpha to omicron variants, which supports an increase in thrombosis and mortality, but omicron variants are recognized as variants with low mortality. Please discuss this paradox in the discussion section.
7- Please indicate the units of measurement, such as dL, mL, etc., in the tables. What do you mean by Ort±Ss? Please describe it under the table.

2

Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Question:	Reply
Reviewer 1	
1- This part could be removed. Please replace it with patient data. Period of sampling, gender, and age, number of patients, control group designation etc.	Unnecessary parts were removed from the table. There is no control group. SARS COV2 positive patients were included in the study and laboratory parameters were compared according to SARS CoV2 variant status.
2- Please add "positive PCR result for SARS cov2" as inclusion criteria in this part	Added. (69)
3- Please mention to virus genes evaluated in the real-time PCR kit, N, RdRp, and E, which one?	Added. (75-79)
4- What do you mean by independent group? Do you mean the control group? Please clear it	This section has been removed. (Tables)
5- What do you mean by variant group? Do you mean case group (patient group)? Please clear it	SARS COV 2 positive patient group whose mutation was studied and determined (64-66)
6- Discuasion should be more extended. Please extend it with more details and compare your results with other studies that evaluate blood factors. Also, in the discussion, the author claims that D dimer and fibrinogen levels increase from alpha to omicron variants which support an increase in thrombosis and mortality but omicron variants are recognized as a variant with low mortality. Please discuss this paradox in the discussion section.	The discussion has been expanded. (103-107) (121-129)
7- Please mention to measurements index such as dL, mL, etc in tables. What do you mean by Ort±Ss? Please describe it under the table.	Measurement indexes added. Corrections added. Marked in the table.
Reviewer 2:	
-The manuscript requires thorough editing by a native speaker of English.	English has been revised.
- In the abstract of the manuscript, the introduction of the study is incomplete in the background section, please introduce it better.	the background section has been corrected. (3-7)
-Please enter the Code of Ethics in the Materials and methods section.	The code of Ethic were written (67-68)

Please specify the type of sample in the Materials and Methods section.	Added. (64-66)
In the abstract of the manuscript, the introduction of the study is incomplete in the background section, please introduce it better.	Added. (3-7)
Why is MPV only written as an abbreviation?	Mean platelet volume (MPV) added. (9)
What is meant by independent group in the study?	independent group; Since mutations occurred at different times, the laboratory parameters of each mutation formed a different group.

2 Revision 1

0 comments

No public comments in this round.