



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Biological Chemistry*

**Manuscript NO:** 80616

**Title:** Correlation of serum SARS-CoV-2 IgM and IgG serology and clinical outcomes in COVID-19 patients: Experience from a tertiary care centre

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

**Peer-review model:** Single blind

**Reviewer's code:** 05487696

**Position:** Peer Reviewer

**Academic degree:** MD, MSc

**Professional title:** Consultant Physician-Scientist, Doctor, Lecturer

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

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

**Manuscript submission date:** 2022-10-10

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-12-17 08:01

**Reviewer performed review:** 2022-12-17 15:26

**Review time:** 7 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 Grade E: Do not publish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 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
<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



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<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

### **SPECIFIC COMMENTS TO AUTHORS**

-Title: typo errors (centre) -Abstract: Grammar revision is recommended -Introduction:  
1- "A strong association was observed between the magnitude of antibody response and patient survival, disease severity and fatal outcomes" Kindly add a source ( several sources can be added such as <https://doi.org/10.3390/pathogens10050565> ). 2- In introduction section you mention that the total number of patients is 493, is it OK?  
-Methods: You should specify how did you get the serological (IgM IgG) results; Did you retrospectively retrieve the documented results (if so then you should mention in inclusion criteria that the patients only who had those results in the medical files) OR did you perform the serology tests in the stored serum samples? - Results: 1-In table 1 why do you record both mean and median in some values? 2- Some figures (eg, 5,6) could be replaced by table or tables to be more clear.



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**Reviewer's code:** 05527087

**Position:** Peer Reviewer

**Academic degree:** Doctor, PhD

**Professional title:** Assistant Professor, Associate Professor, Associate Research Scientist, Doctor, Lecturer, Research Associate, Research Scientist, Researcher, Science Editor, Senior Editor, Senior Researcher, Surgeon

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

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

**Manuscript submission date:** 2022-10-10

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-12-23 10:21

**Reviewer performed review:** 2022-12-25 21:15

**Review time:** 2 Days and 10 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 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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<b>Conclusion</b>	<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
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### **SPECIFIC COMMENTS TO AUTHORS**

Good manuscript with good scientific soundness, to be published