



## PEER-REVIEW REPORT

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

**Manuscript NO:** 57780

**Title:** Immunological aspects of COVID-19: What do we know?

**Reviewer's code:** 02650654

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2020-06-23

**Reviewer chosen by:** Xiao-Quan Yu

**Reviewer accepted review:** 2020-07-15 08:26

**Reviewer performed review:** 2020-07-15 09:06

**Review time:** 1 Hour

<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 Grade E: Do not publish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 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 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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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**

This is a long review about Covid-19 immunology , where many aspects are still unexplored. You can trace some perspectives for further researches, considering that material for histo-pathological researches is scanty. You can also consider that other schema/drawings would be useful to make clear the pathophysiological mechanisms.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 57780

**Title:** Immunological aspects of COVID-19: What do we know?

**Reviewer's code:** 00504167

**Position:** Editorial Board

**Academic degree:** MD, N/A

**Professional title:** Associate Professor

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

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

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**Reviewer accepted review:** 2020-07-15 10:12

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**Review time:** 5 Days and 23 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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

Revision Number ID: 03967085 World Journal of Biological Chemistry: Immunological aspects of COVID-19: what do we know? Epidemiology paragraph: • “Not surprisingly, coronaviruses were intensively studied last months” Coronaviruses have been studied for long time not only “last months”. Please, rephrase the sentence. • “It is reported that CFR of COVID-19 varies widely between countries ranging from 0.2 % in Germany to 7.7 % in Italy [25].” Comment on this sentence and provide a possible explanation for the differences in CFR among countries. • “Moreover, patients who produce anti-S-neutralizing antibodies at the onset of the disease have a higher risk of death. In this context, excessive complement activation may also play a role.” Add a reference and provide a brief explanation for that. • ...other studies detected SARS-CoV-S protein-specific memory T memory cells six years after the patients` infection [40] In the work cited [40], the authors indicate 4 years in the title not 6. Please, check! • The feeling of choking is observed mainly around 9,...? Explain this sentence and rephrase it. • Studies that included survivors from the 2003 SARS epidemic have recently shown that neutralizing antibodies were found, 17 years after the infection [70]. This statement does not reflect the content of the study cited: ... Among 176 patients who had had severe acute respiratory syndrome (SARS), SARS-specific antibodies were maintained for an average of 2 years.... • It has been reported that many cured patients donate plasma against SARS-CoV-2, with clinical trials for SARS-CoV [74] and MERS-CoV [75]. Unclear sentence. Rephrase it. • Revise English and symbols throughout the text