

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

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 Grade E: Do not publish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 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
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 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

Manuscript submission date: 2020-06-23

Reviewer chosen by: Xiao-Quan Yu

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

Reviewer performed review: 2020-07-21 09:55

Review time: 5 Days and 23 Hours

Scientific quality	<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
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 checked="" type="checkbox"/> Accept (General priority) <input 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

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