

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 81007

Title: Role of the Extracellular Matrix in Coronavirus Disease 2019

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06332371

Position: Peer Reviewer

Academic degree: MD

Professional title: Researcher, Surgeon

Reviewer's Country/Territory: Turkey

Author's Country/Territory: China

Manuscript submission date: 2022-10-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-23 09:03

Reviewer performed review: 2022-10-26 10:28

Review time: 3 Days and 1 Hour

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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (General priority) <input 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	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Congratulations to the authors for the successful review. The long-term effects of the ongoing COVID-19 pandemic are a matter of curiosity. In the Abstract section, I suggest emphasizing the pulmonary extracellular matrix, which is the main topic of the article, and reviewing the article for spelling and punctuation errors.

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Peer-review model: Single blind

Reviewer's code: 06139511

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2022-10-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-08 01:47

Reviewer performed review: 2022-11-21 09:47

Review time: 13 Days and 8 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
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Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript entitled Role of the Extracellular Matrix in Coronavirus Disease by Jia-jia Huang et. al. is a review that details the changes in different components of the extracellular matrix during SARs CoV-2 infection. While this information is important, it needs several improvements before it can be accepted for publication. Many components of ECM and the changes associated with SARS CoV-2 have been detailed. However, a little more inclusion of experimental/ post mortem evidence to support these would be better. A more comprehensive approach on how changes to the ECM components are leading to the disease manifestation needs to be discussed. Figure 1 should include the interrelationships between each ECM component. A map of how each ECM component is being altered, which protein of SARS CoV-2 may be implicated (if known) would help further. Table 1 can be omitted as it doesn't add to the manuscript. Instead Table 2 should include all ECM components, not just the MMPs.

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Peer-review model: Single blind

Reviewer's code: 03740244

Position: Editorial Board

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

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Reviewer chosen by: AI Technique

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Review time: 13 Days and 3 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
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statements

Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

The authors conclude: As the specific mechanisms targeting this aspect are unclear, the therapeutic course for ECM should be explored as possible targets for long-term therapy, as cured patients still develop sequelae . Discuss on this statement in particular on identification, during the acute phase of disease, of COVID-19 survivors at risk of developing permanent pulmonary damage and fibrosis.