

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Methodology*

**Manuscript NO:** 77116

**Title:** Associations between SARS-CoV-2 infections and thrombotic complications necessitating surgical intervention: A systematic review

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

**Peer-review model:** Single blind

**Reviewer's code:** 06109990

**Position:** Editorial Board

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

**Professional title:** Academic Research, Full Professor, Senior Editor, Surgeon

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-04-15

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

**Reviewer accepted review:** 2022-06-22 04:35

**Reviewer performed review:** 2022-06-24 04:39

**Review time:** 2 Days

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 Grade E: Do not publish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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input 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

Dear Authors, Thank you for conducting this interesting study entitled "The Association Between SARS-CoV-2 Infections and Thrombotic Complications Necessitating Surgical Intervention: A Systematic Review" for possible publication in the esteemed journal "World Journal of Methodology". Although the article is interesting, certain issues should be addressed.

1. The authors should differentiate between systematic review alone and systematic review and meta-analysis. As I found in the objective in the introduction section, the authors said systematic review and meta-analysis. This of course differs from what the authors wrote in the title.
2. Abstract:
  - a. It is better to remove "The purpose of this study was to perform a systematic review of the literature on SARS-CoV-2 infections that resulted in thrombotic complications necessitating surgical intervention." as you are already mentioned the aim in a separate subheading.
  - b. 60/70 patients = 85.7%. you can approximate it to 86% not as you mentioned 85%.
3. Introduction: this sentence " Few studies have characterized this association" needs a reference.
4. METHODS: Please change this "COVID-19 infection" to either "COVID-19" or "SARS-CoV-2 infection". Please do the same in the whole manuscript.
5. Discussion:
  - a. The authors should discuss the effect of the age and gender of the patients on the mortality rate.
  - b. You must use "CIC" rather than "COVID-19-induced coagulopathy" as an abbreviation of this term because you are already used this abbreviation in the introduction section.
6. Some references should follow the journal style.
7. Figure 1 does not appear completely in the manuscript file.

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

**Peer-review model:** Single blind

**Reviewer's code:** 05077819

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Chief Physician, Associate Professor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-04-15

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

**Reviewer accepted review:** 2022-07-11 16:30

**Reviewer performed review:** 2022-07-16 09:47

**Review time:** 4 Days and 17 Hours

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 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 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

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No
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#### **SPECIFIC COMMENTS TO AUTHORS**

This systematic review showed despite the use of prophylactic anticoagulation the incidence of thrombotic complications due to COVID-19 is still high, among which intestinal ischemia and acute limb ischemia are more commonly needed operative management. This review is very comprehensive and easy to understand, but limited by the sample size, only 70 were included. Further studies are needed to figure out the dose and choice of anticoagulants in relation to severe thromboembolic events after SARS-CoV-2 infection. It would be more clear if the results are shown in an additional table.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** *World Journal of Methodology*

**Manuscript NO:** 77116

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

**Peer-review model:** Single blind

**Reviewer's code:** 06109990

**Position:** Editorial Board

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

**Professional title:** Academic Research, Full Professor, Senior Editor, Surgeon

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-04-15

**Reviewer chosen by:** Jing-Jie Wang

**Reviewer accepted review:** 2022-09-02 03:04

**Reviewer performed review:** 2022-09-03 18:16

**Review time:** 1 Day and 15 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>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

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

## SPECIFIC COMMENTS TO AUTHORS

Dear Authors, Thank you for revising this interesting study entitled "The Association Between SARS-CoV-2 Infections and Thrombotic Complications Necessitating Surgical Intervention: A Systematic Review" for possible publication in the esteemed journal "World Journal of Methodology". Although the article is interesting, certain issues should be addressed (I think this is because of a problem in uploading the files). 1. The authors should differentiate between systematic review alone and systematic review and meta-analysis. As I found in the objective in the introduction section, the authors said systematic review and meta-analysis. This of course differs from what the authors wrote in the title. Each word should be started with a small letter apart from the first word as per journal style. 2. Abstract: a. It is better to remove "The purpose of this study was to perform a systematic review of the literature on SARS-CoV-2 infections that resulted in thrombotic complications necessitating surgical intervention." as you are already mentioned the aim in a separate subheading. b. 60/70 patients = 85.7%. you can approximate it to 86% not as you mentioned 85%. 3. Introduction: This sentence " Few studies have characterized this association" needs a reference. 4. METHODS: Please change this "COVID-19 infection" to either "COVID-19" or "SARS-CoV-2 infection". Please do the same in the whole manuscript. 5. Discussion: a. The authors should discuss the effect of the age and gender of the patients on the mortality rate. b. You must use "CIC" rather than "COVID-19-induced coagulopathy" as an abbreviation of this term because you are already used this abbreviation in the introduction section. c. " Various groups have identified older age and male gender to be risk factors for more severe manifestations of the COVID-19 disease (PMID: 32320003; PMID: 32203977; PMID: 32109013)." Please add the reference numbers instead of PMIDs. 6. There is only the

legend of Figure 1 without the figure. Besides, Table 1 is absent from the manuscript. There are no separate files for the figure and the table. The PDFs "77116-PRISMA-2009-Checklist-revision" and "77116-Supplementary Material" are the same (both belong to the PRISMA-2009-Checklist). Please take care in the next revision state. Best Regards