

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59181

Title: Virus load and virus shedding of severe acute respiratory syndrome coronavirus 2 and their impact on patient outcomes

Reviewer's code: 05347087

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor, Doctor, Medical Assistant, Research Assistant Professor, Surgeon, Surgical Oncologist

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2020-08-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-08-31 16:13

Reviewer performed review: 2020-08-31 17:06

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 Grade E: Do not publish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

statements

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

SPECIFIC COMMENTS TO AUTHORS

The topic is interesting, even if the aim of the paper is difficult to understand. Anyway references must be improved, please look at these references: - The emotional impact of COVID-19: From medical staff to common people. *Brain Behav Immun.* 2020;87:23-24. doi:10.1016/j.bbi.2020.03.032 - Will COVID-19 change neurosurgical clinical practice? [published online ahead of print, 2020 Jun 1]. *Br J Neurosurg.* 2020;1-2. doi:10.1080/02688697.2020.1773399 - Gupta N, Agrawal S, Ish P. Chloroquine in COVID-19: the evidence. *Monaldi Arch Chest Dis.* 2020;90(1):10.4081/monaldi.2020.1290. Published 2020 Mar 31. doi:10.4081/monaldi.2020.1290 - Exploring the clinical association between neurological symptoms and COVID-19 pandemic outbreak: a systematic review of current literature [published online ahead of print, 2020 Aug 1]. *J Neurol.* 2020;1-9. doi:10.1007/s00415-020-09978-y - Özdağ Acarli AN, Samanci B, Ekizoğlu E, et al. Coronavirus Disease 2019 (COVID-19) From the Point of View of Neurologists: Observation of Neurological Findings and Symptoms During the Combat Against a Pandemic. *Noro Psikiyatr Ars.* 2020;57(2):154-159. Published 2020 May 1. doi:10.29399/npa.26148 Figure and tables are good.

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59181

Title: Virus load and virus shedding of severe acute respiratory syndrome coronavirus 2 and their impact on patient outcomes

Reviewer's code: 00504864

Position: Peer Reviewer

Academic degree: PhD

Professional title: Senior Scientist

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-08-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-08-31 12:10

Reviewer performed review: 2020-09-08 04:01

Review time: 7 Days and 15 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 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 checked="" type="checkbox"/> Accept (High priority) <input 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



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SPECIFIC COMMENTS TO AUTHORS

This manuscript entitled "Virus load and virus shedding of SARS-CoV-2 and their impact on patient outcomes" investigates SARS-CoV-2 virus shedding and its risk factors. The results showed that SARS-CoV-2 virus was identified in different samples, including the respiratory tract, blood, and eye discharge. The bronco-alveolar lavage fluid had the highest SARS-CoV-2 load. Senior patients had higher virus loads. Chloroquine was associated with shorter shedding duration and increased the chance of viral negativity. The data suggested that earlier hospitalization might help reduce the virus-shedding period and ICU stay. The chloroquine could have the potential to shorten the duration of shedding. The findings of this study have important implications for the clinical treatment and to determine the samples to be used for diagnosis. - This manuscript needs English revision by native English speaker - Table 1 is big and a bit confusing. Could you please improve it and may be convert it to small tables?

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59181

Title: Virus load and virus shedding of severe acute respiratory syndrome coronavirus 2 and their impact on patient outcomes

Reviewer's code: 02462322

Position: Editorial Board

Academic degree: MD

Professional title: Assistant Professor, Attending Doctor, Staff Physician

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-08-31

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-09-19 00:20

Reviewer performed review: 2020-09-19 01:23

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 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 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

Study is on an important topic Manuscript is well written. In the abstract method section needs attention. The description of patient population should be in the result section. Include only the methods in method section.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59181

Title: Virus load and virus shedding of severe acute respiratory syndrome coronavirus 2 and their impact on patient outcomes

Reviewer's code: 05347087

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor, Doctor, Medical Assistant, Research Assistant Professor, Surgeon, Surgical Oncologist

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2020-08-31

Reviewer chosen by: Pan Huang

Reviewer accepted review: 2020-10-10 11:59

Reviewer performed review: 2020-10-10 12:08

Review time: 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 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
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



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SPECIFIC COMMENTS TO AUTHORS

Very good paper.