

PEER-REVIEW REPORT

Name of journal: World Journal of Virology

Manuscript NO: 62710

Title: Bacterial co-infection in patients with SARS-CoV-2 in the Kingdom of Bahrain

Reviewer's code: 05465562

Position: Peer Reviewer

Academic degree: MD

Professional title: Attending Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Bahrain

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Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-03-30 03:34

Reviewer performed review: 2021-03-30 05:19

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 Grade E: Do not publish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 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

The authors present a population study on 1380 patients who were admitted with confirmed COVID-19 disease during the study period, with the aim to study the bacterial profile in patients with COVID-19 who needed admission to receive treatment in the main centres concerned with the management of COVID-19 disease in the Kingdom of Bahrain . After reading the manuscript several issues remain. Thus, this work could be considered for publication in World Journal of Virology before minor modification, 1. General comments Although the study observed significant increase in the number of bacterial and fungal coinfection over the study period. Gram-negative infections carry higher risk of morbidity and mortality. I'm not sure why the study is interesting for clinicians from other parts of the world. I would therefor advise to better emphasize in both the Introduction and Discussion which lessons could be learned from the current results, and how these can be used/implemented in other countries. 2. Apart from this formal requirement, I wonder whether the investigators had access to other baseline information regarding this population. It would be interesting to report more extensively on other risk factors and medications. 3. The authors claimed that "The coronavirus (COVID-19) pandemic, which began in December 2019 in China led to a Public Health Emergency all over the world including, Bahrain." The virus traceability show that it was not began in China, so it would be better to cite recent literature. 4. The authors claimed that "We observed also that the number of patients with bacterial or fungal infection was significantly higher in the July-to-October period ($P < 0.0001$) with a higher mean age ($P < 0.01$) compared to the first period of the study between February to June." Interesting data and results! It would be interesting to report the association between temperatures/atmospheric factors and bacterial coinfection. -Table 1, please keep 3 valid numbers With best wishes