



PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

Manuscript NO: 60349

Title: Exploration of sex-specific and age-dependent COVID-19 fatality rate in Bangladesh population

Reviewer's code: 03522829

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: Bangladesh

Manuscript submission date: 2020-10-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-10-26 22:28

Reviewer performed review: 2020-10-29 10:35

Review time: 2 Days and 12 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 Grade E: Do not publish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
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
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

The current outbreak of the global storm of coronavirus disease 2019 (COVID-19) caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). In this regard, the healthcare systems in all countries around the world faced incredible challenges with COVID-19 since its discovery. This study was proposed to explore the sex-specific and age-dependent COVID-19 fatality rate and treatment strategy. Although, the present review is an interesting manuscript; there are a lot of major issues that should be addressed before the publication of the current review as the following: 1- The title is inappropriate due to the authors did not mention treatment strategy as conclusions for the present review. In addition, authors should add " in Bangladesh population" because sex difference is non-significant in the USA. 2- Please, add a diagrammatic figure to highlight the possible rationale for gender differences particularly in the Bangladesh population not in the USA population. 3- Please, rearrange the numbering of figures as the same order of results presentation to easily follow by readers. 4- The authors mention that " Unlike the less report in the research from China, South Korea or other Asia areas, the reports from American and Bangladesh reflect the male gender is a risk factor for heavy illness" Please, add a reference for that. 5- The authors mention that " In another report black patients have a relative risk for hospitalization" Please, add a reference for that. 6- Please, refer to that obesity is a critical risk factor which aggravates the COVID-19; Reference: El-Arabey AA, Abdalla M. Metformin and COVID-19: A novel deal of an old drug. J Med Virol. 2020 Apr 29;10.1002/jmv.25958. 7- Please, discuss the correlation between sex hormone levels and obesity in the elderly male; Reference: Cao J, Chen TM, Hao WJ, Li J, Liu L, Zhu BP, Li XY. Correlation between sex hormone levels and obesity in the elderly male. Aging Male. 2012 Jun;15(2):85-9. 8- Please, add a diagrammatic figure to summarize the possible role of sex hormones in the



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pathophysiology of COVID-19 patients based on age and gender.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Radiology

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Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: Bangladesh

Manuscript submission date: 2020-10-26

Reviewer chosen by: Pan Huang

Reviewer accepted review: 2020-11-22 15:13

Reviewer performed review: 2020-11-22 15:38

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 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
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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The authors have successfully addressed all comments