

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Infectious Diseases

Manuscript NO: 55436

Title: COVID-19 compared to other epidemic coronavirus diseases and the flu

Reviewer's code: 04598322

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Canada

Manuscript submission date: 2020-03-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-03-18 06:39

Reviewer performed review: 2020-03-19 07:28

Review time: 1 Day

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	RE-REVIEW	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept (High priority)	<input type="checkbox"/> Yes	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Accept (General priority)	<input type="checkbox"/> No	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Minor revision		<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision		Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish		<input type="checkbox"/> Rejection		<input type="checkbox"/> Advanced
				<input type="checkbox"/> General
				<input type="checkbox"/> No expertise
				Conflicts-of-Interest:
				<input type="checkbox"/> Yes
				<input type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

In this minireview, the authors compared the epidemiology, biological features, virulence and containment strategy of COVID-19 with the other coronavirus diseases and flu. Since there have been many similar reviews published, and the authors present little novel knowledge here, I cannot recommend it for publication. Please see the following publications: Overlapping and discrete aspects of the pathology and pathogenesis of the emerging human pathogenic coronaviruses SARS-CoV, MERS-CoV, and 2019-nCoV. The SARS, MERS and novel coronavirus (COVID-19) epidemics, the newest and biggest global health threats: what lessons have we learned? Systematic Comparison of Two Animal-to-Human Transmitted Human Coronaviruses: SARS-CoV-2 and SARS-CoV. The deadly coronaviruses: The 2003 SARS pandemic and the 2020 novel coronavirus epidemic in China. Can we contain the COVID-19 outbreak with the same measures as for SARS? A systematic review of lopinavir therapy for SARS coronavirus and MERS coronavirus-A possible reference for coronavirus disease-19 treatment option. From SARS-CoV to 2019-nCoV Outbreak: Similarities in the Early Epidemics and Prediction of Future Trends.

INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Infectious Diseases

Manuscript NO: 55436

Title: COVID-19 compared to other epidemic coronavirus diseases and the flu

Reviewer's code: 00504271

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor, Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: Canada

Manuscript submission date: 2020-03-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-03-17 22:51

Reviewer performed review: 2020-03-20 03:57

Review time: 2 Days and 5 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	RE-REVIEW	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept (High priority)	<input type="checkbox"/> Yes	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Accept (General priority)	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input checked="" type="checkbox"/> Minor revision		<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair		<input type="checkbox"/> Major revision		Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Rejection		<input type="checkbox"/> Advanced
				<input checked="" type="checkbox"/> General
				<input type="checkbox"/> No expertise
				Conflicts-of-Interest:
				<input type="checkbox"/> Yes
				<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript by Ayukekbong et al. reviewed the COVID-19. Under the pandemic of SARS-CoV2 infection, this review is timely for physicians to read when the knowledge of COVID-19 is being accumulated. p. 14. The authors compared COVID-19 with seasonal flu. The comparison of the clinical symptom between two virus infection was clearly described. However, the spread of COVID-19 should be compared with the last pandemic of Flu A/H1N1pdm in 2009, and this should be described some in the text. Minor points: p. 3, l. 2. "DNA sequencing ---" should be "nucleotide sequencing ---."

INITIAL REVIEW OF THE MANUSCRIPT

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- ☐ [Y] No

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- ☐ Plagiarism
- ☐ [Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Infectious Diseases

Manuscript NO: 55436

Title: COVID-19 compared to other epidemic coronavirus diseases and the flu

Reviewer's code: 00504864

Position: Peer Reviewer

Academic degree: PhD

Professional title: Senior Scientist

Reviewer's Country/Territory: United States

Author's Country/Territory: Canada

Manuscript submission date: 2020-03-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-03-17 22:41

Reviewer performed review: 2020-03-27 00:52

Review time: 9 Days and 2 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	RE-REVIEW	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept (High priority)	<input type="checkbox"/> Yes	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Accept (General priority)	<input type="checkbox"/> No	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Minor revision		<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision		Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish		<input type="checkbox"/> Rejection		<input type="checkbox"/> Advanced
				<input type="checkbox"/> General
				<input type="checkbox"/> No expertise
				Conflicts-of-Interest:
				<input type="checkbox"/> Yes
				<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript-review entitled "Coronavirus Disease-19 (COVID-19) Compared to other Epidemic Coronavirus Diseases and the Flu" describes the differences between SARS-CoV, MERS-CoV, and SARS-CoV2. It discusses the coronavirus outbreaks and their severity, disease fatality, pathogen novelty, ease of transmission, geographical range, and outbreak preparedness. In the end, provides recommendations on the control of SARS-CoV2 infection based on the mode of transmission of the coronaviruses. I recommend approval of this manuscript after major changes

Comments: - In the last phrase of page 5 you wrote "More than 87% of cases were aged 30 to 79 years and 2% less than 19 years of age, and 3.8 healthcare personnel were infected. Finally". is this 3.8%? please correct it. - In the prior last phrase of page13 you wrote "The basic reproductive number (R_0) for SARS and COVID-19 is similar (3 and 3.2 respectively) and MERS is <1 ". I believe R_0 of COVID-19 is much higher than 3.2 it some where between 4 and 7. Could you double check this information and correct it as appropriate? - In page 14 you wrote "Although the initial symptoms of both COVID-19 and the flu are associated with acute respiratory infection and distress (Table 3), the global burden of the flu is higher that the burden of all three deadly coronaviruses put together." I believe that is the opposite the global burden of COVID-19 is much higher than flu. It has much higher mortal rate 30-40 time higher than flu. Already caused the shutdown of the socio-economic activities' wold wide, caused more sever illness than flu and spread much faster than flu. Please correct this paragraph properly and mention that COVID-19 is not flu - In characteristics factors of Table 3, add pandemic for COVID-19 - In the last phrase of page 15 that ended in the beginning of page 16 you wrote "For example, if we consider the estimate on February 6, 2020 from Table 1, 638 deaths divided by 31,439 confirmed cases $\times 100$, we get a CFR of 2%." The CFR of COVID-19 is about 3.4%, it has



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to be calculated based on number of died versus recovered ($\#died/(\#recovered+\#died)$ *100). Please correct this information. - In page 20 include information about Chloroquine as drug that works well against COVID-19

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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Infectious Diseases

Manuscript NO: 55436

Title: COVID-19 compared to other epidemic coronavirus diseases and the flu

Reviewer's code: 00506601

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: Canada

Manuscript submission date: 2020-03-17

Reviewer chosen by: Ying Dou

Reviewer accepted review: 2020-03-26 12:04

Reviewer performed review: 2020-03-29 19:45

Review time: 3 Days and 7 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	RE-REVIEW	PEER-REVIEWER STATEMENTS
<input checked="" type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" type="checkbox"/> Accept (High priority)	<input type="checkbox"/> Yes	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Accept (General priority)	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Anonymous
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				Conflicts-of-Interest:
				<input type="checkbox"/> Yes
				<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is a well written paper that provides comparisons on three clinically relevant coronaviruses, SARS-CoV, MERS-CoV and the most recent novel coronavirus SARS-CoV2. I think that this manuscript will be a useful contribution to the literature but do have a couple of suggestions. Page 4, 1st paragraph. The authors use the word “wholesome” to suggest a strong or robust response to the epidemic. Wholesome is define as good health or physical wellbeing which does not work in these sentences. I suggest they change the word wholesome to strong or robust. I think these words will get their meaning across. On page 13, the authors list all the countries affected by March 13,2020. Notably Turkey and Yemen are not listed as having cases. Given their proximity to countries with cases suggest that a poor public health infrastructure or lack of testing may be the cause for theses two countries no reporting cases. I would like to see this discussed after the table On page 20 the authors discuss a clinical trial to test the efficacy of Remdesivir. They might also mention to current trial testing hydroxychloroquine in the United States.

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[Y] No