

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Radiology

**Manuscript NO:** 57803

**Title:** A review of X-ray and CT scan findings with a promising role of POCUS in COVID-19 pandemic.

**Reviewer's code:** 05217301

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2020-06-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-06-24 12:32

**Reviewer performed review:** 2020-06-24 12:49

**Review time:** 1 Hour

<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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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**

For the ultrasonography, Authors should give more image examples.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Radiology

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**Title:** A review of X-ray and CT scan findings with a promising role of POCUS in COVID-19 pandemic.

**Reviewer's code:** 05382886

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Academic Research, Chief Doctor, Reader (Associate Professor), Research Scientist

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

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

**Manuscript submission date:** 2020-06-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-06-24 08:27

**Reviewer performed review:** 2020-06-26 04:45

**Review time:** 1 Day and 20 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 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
<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>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous

statements

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

## SPECIFIC COMMENTS TO AUTHORS

Major: 1、 This article includes POCUS in the examination of COVID-19 patients. I suggest using abbreviations or full names for the title, but do not write both. In addition, the title should be prominent for POCUS. I suggest changing to another title. 2、 I think the author's article is intended to comprehensively explain the application of various imaging techniques in COVID-19 pneumonia, and at the same time, highlight the importance of POCUS. In the author's article: "As described previously, chest CT imaging helps detect findings early and accurately. However, it exposes the patients to radiation, requires time for disinfection after each patient and is more expensive. While ultrasonography may not provide as detailed a picture or as early as computed tomography does, it is quicker, safer and is less expensive, making it possible to repeat imaging and monitor the patient effectively at the bedside, reducing the risk of spread of infection as well. " Whether it is the WHO guidelines or the guidelines of various countries, CT is used as the "gold standard" for the diagnosis of pneumonia. Therefore, the sentence "it exposes the patients to radiation" written by the author needs to be revised. I suggest modifying it to some patients who cannot accept CT examination, such as pregnant women and so on. 3、 This article is mainly to express the importance of POCUS, but I can't understand this view with the picture. Here I give two suggestions for modification: (1) . Please give a case that can explain in detail the detection ability of POCUS for different infected patients. OR (2) . The author gives two patients with complete X-ray, CT and POCUS image data, which can compare and explain the performance of these patients under different imaging examinations. It is best to have an X-ray negative/POCUS positive patient and a positive patient, indicating that POCUS is superior to X-ray. Minor: 1、 In this uploaded manuscript, there are many red, delete

symbols and so on. I don't know what the authors of these red paragraphs are saying. I suggest that the author should standardize the writing format.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Radiology

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**Title:** A review of X-ray and CT scan findings with a promising role of POCUS in COVID-19 pandemic.

**Reviewer's code:** 05382886

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Academic Research, Chief Doctor, Reader (Associate Professor), Research Scientist

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

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

**Manuscript submission date:** 2020-06-24

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-08-24 13:34

**Reviewer performed review:** 2020-08-24 14:01

**Review time:** 1 Hour

<b>Scientific quality</b>	[ <input checked="" type="radio"/> ] Grade A: Excellent [ <input type="radio"/> ] Grade B: Very good [ <input type="radio"/> ] Grade C: Good [ <input type="radio"/> ] Grade D: Fair [ <input type="radio"/> ] Grade E: Do not publish
<b>Language quality</b>	[ <input checked="" type="radio"/> ] Grade A: Priority publishing [ <input type="radio"/> ] Grade B: Minor language polishing [ <input type="radio"/> ] Grade C: A great deal of language polishing [ <input type="radio"/> ] Grade D: Rejection
<b>Conclusion</b>	[ <input checked="" type="radio"/> ] Accept (High priority) [ <input type="radio"/> ] Accept (General priority) [ <input type="radio"/> ] Minor revision [ <input type="radio"/> ] Major revision [ <input type="radio"/> ] Rejection
<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**

The author has modified as required and it is recommended to accept the article.

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

**Manuscript submission date:** 2020-06-24

**Reviewer chosen by:** Ji-Hong Liu (Technical Editor)

**Reviewer accepted review:** 2020-09-01 06:41

**Reviewer performed review:** 2020-09-01 06:52

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<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
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## SPECIFIC COMMENTS TO AUTHORS



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n/a