

PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

Manuscript NO: 63506

Title: Differential diagnosis of COVID-19 at the chest computed tomography scan: a review with special focus on cancer patients.

Reviewer's code: 05427157

Position: Peer Reviewer

Academic degree: MD

Professional title: Attending Doctor, Director

Reviewer's Country/Territory: United States

Author's Country/Territory: Italy

Manuscript submission date: 2021-01-28

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-03-31 15:36

Reviewer performed review: 2021-04-02 15:56

Review time: 2 Days

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 Grade E: Do not publish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 checked="" 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

1. Important manuscript that discuss about lung CT findings of COVID-19 and how it compares with other infective and non infective etiologies. Helps medical community looking to find a paper that reviews it well. 2. article selection for review is appropriate and overall text flows well. 3. Here are few suggestions that can help manuscript become stronger - In introduction section where lung ultrasound and Xray is suggested with CT for identification of COVID-19 a paragraph on comparative efficacy and limitations of each modality will help readers. - In first paragraph of discussion authors suggest this is the first review of radiological study comparing COVID-19 and other respiratory or non respiratory disorders. needs clarification. few reviews exist comparing COVID-19 and other pneumonias. example.<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7320914/>

PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

Manuscript NO: 63506

Title: Differential diagnosis of COVID-19 at the chest computed tomography scan: a review with special focus on cancer patients.

Reviewer's code: 05420162

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Italy

Manuscript submission date: 2021-01-28

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-04-01 02:10

Reviewer performed review: 2021-04-10 13:35

Review time: 9 Days and 11 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 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 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 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

In this article, the authors conduct a systematic review including the available studies evaluating the computed tomography (CT) similarities and discrepancies between COVID-19 pneumonia and other pulmonary illness, then providing a discussion focus on cancer patients, which can help doctors overcome the diagnostic difficulties of COVID-19 era. Given the COVID-19 pandemic, we think it is very necessary. However, there are some problems to be further improved as well: 1. There are some errors in the manuscript, such as, in page 1, line 6 to 7, “the computed tomography (CT)” would be “CT”; in page 2, line 12 as well as page 7, line 1 and 14, “COVID 19” would be “COVID-19”. Please check the manuscript carefully. 2. The title of this article is “Differential diagnosis of COVID-19 at the chest computed tomography scan: a review with special focus on cancer patients.”, but too few selected studies involving cancer patients (only 2). 3. The manuscript is not well arranged and the logic is not clear. If the language is improved to reduce the use of “were observed by” as far as possible, it will make the article read more frequently. 4. I hope you are willing to make the next step: attach some infective or noninfective pneumonitis CT patterns to make it better to show the difference with the COVID-19.