

PEER-REVIEW REPORT

Name of journal: *World Journal of Respiriology*

Manuscript NO: 82961

Title: Pulmonary Arterial Hypertension Confirmed by Right Heart Catheterization Following COVID-19 Pneumonia Complicated by Hypoxic Respiratory Insufficiency

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00502802

Position: Peer Reviewer

Academic degree: DNB, FCCP, MBBS

Professional title: Director, Doctor

Reviewer's Country/Territory: India

Author's Country/Territory: United States

Manuscript submission date: 2022-12-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-01 06:21

Reviewer performed review: 2023-01-01 07:49

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input checked="" type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 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

SPECIFIC COMMENTS TO AUTHORS

I read with great interest the manuscript entitled “Pulmonary Arterial Hypertension Confirmed by Right Heart Catheterization Following COVID-19 Pneumonia Complicated by Hypoxic Respiratory Insufficiency”. The report is well written but I have a few concerns

1. Case report: The case aims to discuss the importance of PAH in COVID. However, in the case report, no details regarding the management or clinical course of patient is mentioned after the diagnosis of PAH
2. Discussion: Again, the management and prognosis of PAH in COVID is not discussed. Discussion is very incomplete. How PAH affects clinical course of COVID 19 should be discussed.
3. Discussion: Even though the authors repeatedly mention that this is the first case report of PAH in which cardiac catheterization was performed, it is not true. (Caravita S., Baratto C., Di Marco F., et al. Haemodynamic characteristics of COVID-19 patients with acute respiratory distress syndrome requiring mechanical ventilation. An invasive assessment using right heart catheterization. Eur J Heart Fail. 2020;22(12):2228–2237.)

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Reviewer's code: 06284599

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Chief Physician

Reviewer's Country/Territory: China

Author's Country/Territory: United States

Manuscript submission date: 2022-12-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-02 07:19

Reviewer performed review: 2023-01-03 08:59

Review time: 1 Day and 1 Hour

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
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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

This is an interesting case of PAH conformed by right heart catheterization following COVID-19. The abstract and introduction is extremely short and does not meet the requirement of words number. Besides, there is no key words and core tip. It could be better to understand of the process of PAH, if the author could describe the details more, or offer reader a figure of the symptoms and treatments of this case. The most important part, I guess reader would like to learn something from this case like, how to prevent PAH or how to recognize PAH earlier.

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Reviewer's code: 03967085

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Academic Editor, Assistant Professor, Researcher

Reviewer's Country/Territory: Bulgaria

Author's Country/Territory: United States

Manuscript submission date: 2022-12-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-01 15:13

Reviewer performed review: 2023-01-11 10:24

Review time: 9 Days and 19 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The title is informative and relevant. The references are relevant and recent. The case report is interesting and deserves to be published. Specific comments on weaknesses of the article and what could be improved: Major points 1. The cited sources are referenced correctly. but there are many more appropriate and key studies to be included. 2. The introduction is too short and does not reveal what is already known about this topic. The research question is not clearly outlined. 3. The case is described superficially, there are many requirements per journal instruction how to present a clinical case, the used methods methods for diagnosing and therapy are valid and reliable, but should be described more thoroughly. 4. The patient data is not presented in an appropriate way. There is a need for illustrative materials that are relevant and clearly presented. 5. Data is not discussed from different angles and placed into context without being overinterpreted. 6. The conclusions are supported by references and own results, but should be concise and to present some recommendations for the clinical practice. This paper added to what is already in the topic, but the article is not consistent within itself. Minor points spelling and grammar issues

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 00502802

Position: Peer Reviewer

Academic degree: DNB, FCCP, MBBS

Professional title: Director, Doctor

Reviewer's Country/Territory: India

Author's Country/Territory: United States

Manuscript submission date: 2022-12-31

Reviewer chosen by: Yi-Xuan Cai

Reviewer accepted review: 2023-02-28 10:45

Reviewer performed review: 2023-03-01 14:17

Review time: 1 Day and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

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

SPECIFIC COMMENTS TO AUTHORS

As already pointed out, this is not the first case of PAH, so please clarify this in the core tip also.