

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Infectious Diseases*

Manuscript NO: 69344

Title: Pericarditis following COVID-19 vaccination: Two case reports

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03846666

Position: Peer Reviewer

Academic degree: FACC, MD, MSc, PhD

Professional title: Academic Research, Attending Doctor, Senior Lecturer

Reviewer's Country/Territory: Italy

Author's Country/Territory: United States

Manuscript submission date: 2021-07-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-07-30 09:26

Reviewer performed review: 2021-07-30 09:29

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 Grade E: Do not publish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 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	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

The manuscript is well-written and concise and could be quite informative to the readers.

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Reviewer's code: 04323513

Position: Peer Reviewer

Academic degree: MBBS, MRCP

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Author's Country/Territory: United States

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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 Grade E: Do not publish
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Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

SPECIFIC COMMENTS TO AUTHORS

Manuscript titled "Pericarditis Following Covid-19 Vaccination: A Review of Two Cases and Current Literature" by authors Justyna Fydrych et al. evaluates 2 cases of pericarditis after Moderna Covid-19 vaccine and reviews the current literature. Authors identify that pericarditis as a complication of COVID-19 vaccines of various brand and technology is not rare; however outcome studies or case series are not available at this moment. Besides, for the second case, there are shortfalls: 1. The electrocardiogram (ECG/EKG) does not show the typical patterns of acute pericarditis i.e. diffuse ST elevations with PR depressions. Comparatively, the ECG of the first case shows diffuse ST elevations with PR depressions in lead II nicely. 2. As the authors also point out in the discussion part, the second case has had a previous diagnosis of Covid-19, so it is possible that myopericarditis is result of active infection, rather than vaccination. 3. Beside clinical presentation, ECG and echocardiogram, authors should consider other investigations to further delineate the diagnosis e.g. cardiac MRI shows pericardial oedema and late gadolinium enhancement (LGE) of pericardium in acute pericarditis, or myocardial oedema and LGE of epicardium in acute myocarditis. In the description of Figure 1 and Figure 2, it should be "Electrocardiogram" instead of "Echocardiogram".

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Reviewer's code: 03413692

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Reviewer's Country/Territory: Italy

Author's Country/Territory: United States

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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
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statements

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

SPECIFIC COMMENTS TO AUTHORS

I really appreciate these two case reports as they are updated and in line with the current worries about vaccines for COVID-19. Indeed, I would like that the authors point out a question: beyond the causal link between vaccine and pericarditis, the authors should outline the fear of the population for vaccine-associated symptoms which force individuals to the Emergency Department and second level instrumental evaluations. I mean, most of myocarditis/pericarditis often are underdiagnosed as poorly symptomatic, but the worldwide and unjustified fear for vaccines may exaggerate the need for care. Please outline such a point in the discussion section.