

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 82062

Title: COVID-19-related cardiomyopathy: Can dual-energy computed tomography be a diagnostic tool?

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

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: Turkey

Manuscript submission date: 2022-12-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-18 00:22

Reviewer performed review: 2022-12-23 13:46

Review time: 5 Days and 13 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 Grade E: Do not publish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 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 type="checkbox"/> Minor revision <input checked="" 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="radio"/>] Anonymous [<input type="radio"/>] Onymous
	Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS

In the retrospective study, The authors demonstrate that myocardial perfusion deficits can be found in COVID-19 patients and is positively correlated with D-dimer levels. This theme is very novel. But as a retrospective study, the grouping is not very clear. The time of case collection was not explained clearly. How to select the control group was not explained clearly also. Tables 1 and 2 can be summarized into one table. Most importantly, there is no exactly perfusion data between two groups.

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Peer-review model: Single blind

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: Turkey

Manuscript submission date: 2022-12-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-15 10:55

Reviewer performed review: 2022-12-24 15:14

Review time: 9 Days and 4 Hours

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
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Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous
	Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS

The aim is stated clear. The authors stated clearly what study found and how they did it. The title is informative and relevant. The references are relevant and recent. The cited sources are referenced correctly. Appropriate and key studies are included. The introduction reveals what is already known about this topic. The research question is clearly outlined. The research question also justified given what is already known about the topic. The process of selection of the subjects was clear. The variables are well defined and measured appropriately. The study methods are valid and reliable. There are enough details provided in order to replicate the study. The data is presented in an appropriate way. The text in the results add to the data and it is not repetitive. Statistically significant results are clear. It is clear which results are with practical meaning. Results are discussed from different angles and placed into context without being overinterpreted. The conclusions answer the aim of the study. The conclusions are supported by references and own results. Specific comments on weaknesses of the article and what could be improved: Major points - none Minor points 1. Please, state the limitations of the study 2. Could you please discuss the clinical implications of the results