

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 86673

Title: Left ventricular thrombosis caused cerebral embolism during venoarterial extracorporeal membrane oxygenation support: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05291028

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2023-10-27

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-12-05 08:58

Reviewer performed review: 2023-12-05 11:04

Review time: 2 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 Grade E: Do not publish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
Creativity or innovation 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 creativity or innovation

Scientific significance of the conclusion in 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 scientific significance
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 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

The authors present the case of a patient with explosive myocarditis in whom a left ventricular thrombus attached to the papillary muscle root of mitral valve, detected by transthoracic echocardiography, caused a massive cerebral embolism during the venoarterial extracorporeal membrane oxygenation (VA-ECMO) support. This report is potentially interesting, but the manuscript can be improved according to the following suggestions: 1. Typographic errors in the text (example: "infraction", in the Abstract) should be corrected. 2. Please change "Discussion" to "Conclusion" in the Abstract. 3. Avoid acronyms use in the keywords: (ex: VA-ECMO, LVT). 4. It is important to clearly mention in the Introduction that cardioembolic stroke is associated with a higher in-hospital mortality compared to other ischemic stroke subtypes (see data in Acta Neurol Scand. 1997 Dec;96(6):407-12). 5. Please include the demographics of the patient reported: age and gender in the Abstract and in the Case Report section. 6. It would be helpful to mention that the differential diagnosis of severe cerebral ischemia also lies in hematological disorders that are a commonly unrecognized cause of acute stroke with a particular treatment depending on its etiology (Expert Rev Hematol 2016; 9: 891-901).

This study should be added and commented on. 7. It would be appropriate to add a comment on the limitations of this case report. 8. A brief concluding comment on possible lines of future research on the presented topic would be appreciated

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 05291028

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2023-10-27

Reviewer chosen by: Cong Lin

Reviewer accepted review: 2023-12-14 07:29

Reviewer performed review: 2023-12-14 07:52

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
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

I thank the authors for addressing the issues in my initial review. I am satisfied with the additional sentences added to the manuscript and have no additional suggestions to make.