

PEER-REVIEW REPORT

Name of journal: *World Journal of Cardiology*

Manuscript NO: 86399

Title: Systemic right ventricle complications in levo-transposition of the great arteries: A case report and review of literature

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02446043

Position: Editorial Board

Academic degree: FACC

Professional title: Lecturer

Reviewer's Country/Territory: Malaysia

Author's Country/Territory: United States

Manuscript submission date: 2023-06-17

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-07-11 05:01

Reviewer performed review: 2023-07-16 08:56

Review time: 5 Days and 3 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 Grade E: Do not publish
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 checked="" 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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting case report of a rare 40yr old patient with L-Transposition of the Great Arteries who has developed heart failure and intracardiac RV thrombus. It is well referenced and can be accepted after some minor revisions: 1. The authors should specify what medical drugs were used as GDMT for heart failure 2. The authors should not present so many figures (8) for a single case report; just chose those most relevant to the points they are making. 3. Since the patient "was then lost to follow-up for several years until this latest presentation to the hospital", Tables 2 and 3 should NOT include information from before his present presentation, as putting in such data is not relevant and confuses the reader.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02446694

Position: Editorial Board

Academic degree: FACC, FACP, FAHA, FESC, MD, PhD

Professional title: Director

Reviewer's Country/Territory: Japan

Author's Country/Territory: United States

Manuscript submission date: 2023-06-17

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-07-25 14:14

Reviewer performed review: 2023-08-04 21:16

Review time: 10 Days and 7 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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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

#1 The authors report that thrombus formation in the right ventricle of the arterial system is rare, and they should provide some presumptions as to the mechanism. #2 The abstract has echocardiographic findings, but the text does not. Also, the ejection fraction is 40%, the authors should describe how this is measured. I believe that in a normal echocardiogram, right ventricular contractility is assessed by FAC, and anything above 35% is considered normal, thus, the authors should consider the validity of the 40% assessment in this case. #3 In the present case, the authors should describe the patient's height, weight, blood pressure, heart sounds, and jugular vein dilation, and edema.