

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Cardiology*

**Manuscript NO:** 87237

**Title:** The value of Cardiac Magnetic Resonance on the risk stratification of cardiomyopathies

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 03498422

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** Spain

**Manuscript submission date:** 2023-07-30

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-08-06 20:42

**Reviewer performed review:** 2023-08-21 22:49

**Review time:** 15 Days and 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 Grade E: Do not publish
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

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

## SPECIFIC COMMENTS TO AUTHORS

The Authors wrote an interesting review on the role of CMR for risk stratification of patients with cardiomyopathies; please find here some points to address: -On page 5, "NIDCM is characterized by left ventricular enlargement, systolic dysfunction, and myocardial fibrosis without significant coronary artery disease" should also specify that abnormal loading conditions are another exclusion criterion (hypertensive, valvular or congenital heart disease) -In NIDCM, there is no mention of T2-STIR, T1, T2 and ECV mapping. The importance of all these 4 sequences should be briefly discussed. -In HCM, there is no mention of t2-STIR for oedema detection; the experimental studies on DTI should be also mentioned. -The paragraph on endomyocardial fibrosis should be expanded to mention three different (but overlapping) diseases: endomyocardial fibrosis (EMF), hypereosinophilic syndrome (HES) with cardiac involvement and endocardial fibroelastosis (EFE). Of course, little is known about patients' prognosis. -The paragraph about cardiac amyloidosis (6 pages) appears disproportionate compared to the other diseases; I would suggest the Authors to move some information in a Table. -In ACM, there is no mention of t2-STIR for oedema detection; as for NIDCM and HCM, the possibility of a "hot phase" presentation of ACM should be discussed, in particular its relationship with arrhythmias. -I would strongly suggest the Authors to add some figures about DCM, HCM, amyloid and LVNC, besides the Figure they have already prepared about ACM.

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**Reviewer's code:** 04925605

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Additional Professor, Director, Senior Researcher

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Spain

**Manuscript submission date:** 2023-07-30

**Reviewer chosen by:** Geng-Long Liu

**Reviewer accepted review:** 2023-08-28 01:54

**Reviewer performed review:** 2023-08-28 02:16

**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
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

<b>Scientific significance of the conclusion in this manuscript</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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 manuscript reviews the significant contribution of cardiovascular magnetic resonance (CMR) to the diagnosis and management of patients with cardiomyopathies, with special attention to risk stratification, hence is interesting.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** Spain

**Manuscript submission date:** 2023-07-30

**Reviewer chosen by:** Cong Lin

**Reviewer accepted review:** 2023-09-20 17:45

**Reviewer performed review:** 2023-09-21 22:32

**Review time:** 1 Day and 4 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Peer-reviewer</b>	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 Authors address most comments and improved the manuscript.