PEER-REVIEW REPORT

Name of journal: *World Journal of Cardiology*

Manuscript NO: 85100

Title: Current role and future perspectives of artificial intelligence in echocardiography

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00068967

Position: Editorial Board

Academic degree: MSc, PhD

Professional title: Academic Fellow, Deputy Director, Full Professor, Professor, Senior Editor

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2023-04-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-04-13 02:51

Reviewer performed review: 2023-04-17 06:51

Review time: 4 Days and 3 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Dear authors: Thanks for your good work, though it has the limited novelty, of course this area is ongoing prosperously. You have summarized the recent progress of AI applications in cardiac diseases by combining EC detection, it will absolutely address much more issues including labor-cost and technique-insufficience in this sapect, meanwhile you posed the very potential crisis and limitations associated with this advanced technique, given it a relative objective evaluation. However, the core of this technique that how did this technique work were not reported in turn confused the readers. Would you pleased to amend the detail information about it?

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Title: Current role and future perspectives of artificial intelligence in echocardiography

Provenance and peer review: Invited manuscript; Externally peer reviewed

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Reviewer's code: 05327699

Position: Editorial Board

Academic degree: MBBS, MNAMS, MS

Professional title: Additional Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Spain

Manuscript submission date: 2023-04-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-04-12 11:20

Reviewer performed review: 2023-04-17 08:01

Review time: 4 Days and 20 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [Y] Grade D: Fair [ ] Grade E: Do not publish
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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Dear Authors, 1. This manuscript requires great deal of language - polishing. Throughout the manuscript there are numerous grammatical errors and so many sentences are not making any sense. Please take help of some expert to improve English in your Article. 2. Please add one graph of Random - Forest analysis to make findings self - explanatory. 3. How POCUS is able to diagnose cardiac - patients without any physical contact ? 4. How your study is different from the other studies ? What your study adds to the existing literature on this topic ? 5. Please re-write the Core -Tip part to make it more relevant. 6. What are the different commonly used AI based modules and platforms to diagnose cardiac - diseases on reading ECG ? Are they supervised / semi-supervised or no supervision at all. 7. The discussion and conclusion part needs to be re-written > Thanks