

PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 57807

Title: Diagnostic and prognostic value of cardiac imaging in amyloidosis.

Reviewer's code: 03196633

Position: Editorial Board

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2020-06-25

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-08-18 13:32

Reviewer performed review: 2020-08-23 05:01

Review time: 4 Days and 15 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 Grade E: Do not publish
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
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

1、 In page 6, line 22, the CLINICAL MANIFESTATIONS AND DIAGNOSIS part, it isn't detailed the clinical manifestations of CA, such as What kind of clinical manifestations when the deposition of these proteins in the heart, in the kidneys, nervous system, gastrointestinal system and soft tissues. 2、 In page 6, line 27, to page 7, line 4, Myocardial biopsy is the gold standard for CA, but it also has its drawbacks. In 2018, the European Society of Cardiology (ESC) has updated the diagnostic criteria. In patients with cardiac amyloidosis with negative blood and urine light chain indicators, the myocardial nuclide score is ≥ 2 . The diagnosis is CA, no EMB is required. It is recommended to add part of the diagnostic criteria of CA, especially for image. 3、 In page 7, line 3, the ECHOCARDIOGRAPHY part, the author focused on the prognostic predictors. Personally, I think echocardiography is also very important in diagnosing myocardial amyloidosis. It is recommended to increase the typical ultrasound findings related to myocardial amyloidosis and the point of differentiation from hypertrophic cardiomyopathy. 4、 In the article, the author described the research progress of different imaging methods in the diagnosis of myocardial amyloidosis, and the advantages and disadvantages of each imaging method should be added at the end of each imaging method. 5、 In the CONCLUSION part, the author should clearly state which imaging method or methods should be used for patients with suspected myocardial amyloidosis.

6、 Machine learning-based radiomics was applied in liver cancer, thyroid nodules and breast nodules, whether this method was used in the imaging examination of myocardial amyloidosis?

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Author's Country/Territory: Spain

Manuscript submission date: 2020-06-25

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2020-09-29 12:37

Reviewer performed review: 2020-09-30 02:59

Review time: 14 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
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 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 work is well-done and provides imaging diagnostic value of cardiac amyloidosis



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and thus it merits to be published. Just, I suggest some minor modifications before publication.