

## PEER-REVIEW REPORT

**Name of journal:** Artificial Intelligence in Medical Imaging

**Manuscript NO:** 68156

**Title:** Artificial intelligence in Coronary Computed Tomography Angiography imaging

**Reviewer's code:** 03820695

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Assistant Professor

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

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

**Manuscript submission date:** 2021-05-22

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-05-23 01:50

**Reviewer performed review:** 2021-06-01 03:24

**Review time:** 9 Days and 1 Hour

<b>Scientific quality</b>	<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 Grade E: Do not publish
<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>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 paper was well written and nicely summarized the latest findings about application of artificial intelligence in coronary computed tomography angiography images. Several minor points need to be addressed. Minor points #1. Page 2, line 1. CAC → coronary artery calcium (CAC) Page 3, line 28. Coronary artery calcium (CAC) → CAC #2. Page 8, figure legends for Figure 3. Figure 2-1 → Figure 3-1. Figure 2-3 → Figure 3-2.

## PEER-REVIEW REPORT

**Name of journal:** Artificial Intelligence in Medical Imaging

**Manuscript NO:** 68156

**Title:** Artificial intelligence in Coronary Computed Tomography Angiography imaging

**Reviewer's code:** 00505755

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Senior Research Fellow

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

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

**Manuscript submission date:** 2021-05-22

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-05-24 04:09

**Reviewer performed review:** 2021-06-02 01:52

**Review time:** 8 Days and 21 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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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#### **SPECIFIC COMMENTS TO AUTHORS**

Figure 3 may be revised to indicate the meaning of information gain and the differences between ML-combined and stenosis more in detail.