

PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 66348

Title: Stent visualization methods to guide percutaneous coronary interventions and assess long-term patency

Reviewer's code: 02927080

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: Belgium

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-27 01:05

Reviewer performed review: 2021-04-08 07:09

Review time: 12 Days and 6 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 Grade E: Do not publish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 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
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 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

The authors discussed percutaneous coronary intervention and this review report would provide better understanding coronary artery disease. Although the manuscript is well written, there are some problems as below. Major: Page 2, line 11, In abstract, authors described as “review novel stent visualization”. In conclusion, authors mentioned evaluation of PCI results. Did authors focus on stent visualization not PCI results? Page 5, line 20, If authors focused on PCI results, they should introduce other technology (QFR, FFR and cardiac scintigraphy, etc). If not, they should focused stent visualization. If so, I guess NIRS and CMR are not able to evaluate ‘coronary stent’. Page 12, line 20, There are representative image of CCTA and IVUS. However, cases with OCT and NIRS are lacking. Minor, Abbreviation of QCA, DSE, CCTA and CMR are not necessary in abstract.

Dear Dr., thank you for your valuable and constructive review. We have focused on the visual assessment to guide and implant coronary stents during PCI procedures, as well as PCI result follow ups. Following your comment we have added “visual guidance and evaluation of PCI results” in the conclusion .

We have focused mainly on visual assessment for guiding PCI and stent visualization post PCI and that is why QFR, FFR and cardiac scintigraphy were not included. Following your comment we have removed the parts related to NIRS and CMR.

An appropriate image of OCT was added as per your suggestion.

Abbreviations were also removed from the abstract.



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In reply to the science editor:

Issues raised: (1) The title is too long, and it should be no more than 18 words; (2) The "Author Contributions" section is missing. Please provide the author contributions; (3) The authors did not provide original pictures. Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor; and (4) Please obtain permission for the use of picture(s).

As requested, the title is 12 words.

7 self references are present constituting less than 10% of overall references (177)

Author contribution is stated as requested after ORCID numbers on page 1

Figures were included in a separate PowerPoint file as requested.

Pictures provided are from an anonymized pool data at our corelab. It not feasible to know who each patient is (every patient gives consent for the corelab registry and there are more than 1500 patient).