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Xue-Mei Gong
Science-Editor
World Journal of Cardiology

Ref **ESPS manuscript NO:** 21047, “THROMBOSIS IN ST-ELEVATION MYOCARDIAL INFARCTION: INSIGHTS FROM THROMBI RETRIEVED BY ASPIRATION THROMBECTOMY”

Dear Dr. Gong,

We thank you for taking the time to review our manuscript. We understand that the previous version of our manuscript was not ready for publication, and we thank the reviewers for their constructive comments and suggestions. Since we believe this review article contains an important message, we have revised our manuscript and are resubmitting it in order to be considered for publication in the *World Journal of Cardiology*.

Please, find our detailed responses to the reviewers' comments below. The changes in the manuscript are highlighted in yellow. We feel that this version of our manuscript is much improved, and we thank you for considering our work for publication in the *World Journal of Cardiology*. We look forward to hearing from you.

Best regards,

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Director, Post-Graduation Cardiology Course
Research Director, Catheterization Laboratory
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Reviewer's comments:

Reviewer's code: 02639698

Well written and clinically focused . Just a few suggestions: we suggest the Authors to add a table summarising the key elements and a paragraph describing the characteristics of thrombus in subgroups of patients such as diabetic ones.

Answer: We thank the reviewer for the comment and for the interesting suggestions, which were accordingly added to the manuscript.

Reviewer's code: 00100945

The authors provide a comprehensive summary of all the studies published so far which attempted to describe the morphology, cellular and histochemical composition of clots retrieved by coronary thrombectomy in patients early after STEMI. The main limitation of this report is that it does not provide any attempt to explain the reason why coronary thrombectomy fails to improve patients' outcome after STEMI (TASTE & TOTAL trials). It would add much to this review if such an attempt or hypothesis is provided based on current data.

Answer: The reviewer raised a good point. We have included a paragraph, based on data of two recent sub-studies of the TOTAL trial, explaining potential causes for the lack of clinical relevant benefits seen in the above mentioned trials.