

We are grateful to all Reviewers for the careful assessment of this work and for the constructive criticisms. Our responses are detailed here below and changes in the manuscript were highlighted in yellow.

**Name of journal:** World Journal of Cardiology

**ESPS Manuscript NO:** 17214

**Columns:** Review

***Regarding the specific comments by Reviewer 1:***

We gratefully acknowledge all the suggestions. The changes made in response to the issues raised are detailed here below.

***The manuscript is very interesting. This reviewer has few concerns: 1) the paper presents some typing errors that have to be amended and it should be revised by a English mother tongue colleague.***

The typos have been corrected and the entire manuscript has been revised for spelling and readability.

***2) More information about gender differences should be added and discussed.***

We thank the Reviewer for the suggestion and information on gender have been added.

***Regarding the specific comments by Reviewer 2:***

***Very interesting review there are no specific comments***

We thank the reviewer for the nice comment.

***Regarding the specific comments by Reviewer 3:***

***This manuscript reported the pathogenic role of lipoprotein-associated phospholipase A2 in cardiovascular diseases. Reviewed literatures and obtained data suggest that lipoprotein-associated phospholipase A2 plays a key role in the pathogenesis of atherosclerosis. It is a well-written and well documented manuscript, however, I have only one***

***comment that hope will help the authors to improve the manuscript.***

***Comments: In the figure 2 caption, it will be better to have all the abbreviations in full names.***

We thank the reviewer for the nice comments and slightly modified the figure 2 and added the abbreviations in the caption.

***Regarding the specific comments by Reviewer 4:***

We gratefully acknowledge the suggestion.

***The present review discusses results from studies, analyzes genetic evidence, reviews clinical work demonstrating associations between Lipoprotein-Associated Phospholipase A2 (Lp-PLA2) and vascular disease. Overall, the review is well-written and the topic is important. If possible, it would be better to add a description about the relationship between apolipoprotein and Lp-PLA2.***

We thank the Reviewer for the nice comment and the suggestion. A description of the relationship between apolipoprotein and Lp-PLA2 has been added