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Re: Manuscript ID 00976844

Dear Lian-Sheng Ma,

Thank you very much for your correspondence regarding our manuscript entitled “Newer concepts in radiation-induced cardiovascular disease,” which was submitted to *World Journal of Cardiology*. We have carefully considered your comments and the Reviewers’ critiques and have prepared a revised manuscript that we hope addresses these concerns. Notably, we have responded to your queries regarding the audio clip and inclusion of information pertaining to our NIH grants. Responses to the Reviewers are included on a separate page.

On behalf of all of the authors of this manuscript, we thank you for considering publishing our manuscript in *World Journal of Cardiology*.

Sincerely,

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Responses to Reviewers:

The authors would like to thank all Reviewers for their careful evaluation of our manuscript, and for the helpful suggestions, which we have carefully considered in the preparation of a revised manuscript. The salient concerns and our responses are listed below.

1. Reviewer 1 felt that the manuscript was too comprehensive and recommended significant truncation. This concern, while not shared by the other Reviewers, nevertheless prompted us to carefully review the manuscript to determine where content could be condensed without hampering the overall quality. We concluded that the *Pathophysiology* section could be shortened, which also afforded us the opportunity to enhance its readability, as suggested by Reviewer 3. Moreover, we have edited the entire manuscript to remove unnecessary verbiage, which also served to make it more concise.
2. Where appropriate, we have included more critical analysis and discussion as recommended by Reviewer 1.
3. The revised manuscript includes both mechanistic and diagnostic schematic approaches, as recommended by Reviewer 3. We elected not to include a table of the dose-associated risks given that the cardiovascular dose of radiation is ultimately dependent on a number of variables (discussed in Epidemiology and Basic Characteristics) that would be difficult to quantify precisely in tabular form.