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**Name of Journal:** *World Journal of Radiology*

**ESPS Manuscript NO:** 25139

**Manuscript Type:** MINIREVIEWS

Point-by-point replay

I am grateful to the reviewers for the critical comments and useful suggestions that have helped me to improve the manuscript. As indicated in the responses that follow, I have taken all these comments and suggestions into account in the revised version of the manuscript. All the changes within the revised manuscript are highlighted in red text.

### Reviewer #1

The author gave a review on using the PET to study the DNA synthesis rate in cancer. This is a timely topic and should benefit the readers of WJR. I only have the following comments for further improvement:

1. Some paragraphs reviewing the basic principle of DNA synthesis rate measurement using the PET and C-11 compound are needed.

According to the reviewer's suggestion, I included the additional section and figure regarding the basic principle of DNA synthesis rate measurement using PET and C-11 compound.

2. More clinical case review with respect to each cancer site should be added.

According to the reviewer's suggestion, I added the more case review, which already described in the literature with respect to each cancer site as possible. However, we could not include the unpublished data and abstract from the conference presentation.

3. More figures concerning only one cancer site should be added showing how

the measurement can help in the diagnosis of cancer.

According to the reviewer's suggestion, I added more figures concerning only one cancer site as possible.

Reviewer #2: This is a well-written paper. The word "researchers" in the core tip should be "research" rather than researches.

According to the reviewer's comment, I corrected the word.