

EDITOR'S SPECIFIC COMMENTS:

1) Science Editor: *Recommend for rejection. Scientific classification: Grade C and Grade D. Language classification: Grade B and Grade B. Scientific classification does not meet the publication standard of WJG. This paper demonstrates that DAR treatment inhibits colonic inflammation and tumor size and quantity in animals and suggests that this is associated with reduced inflammatory cytokines. Unfortunately, the figures in this paper are not clear and explicit, especially the figures of western blot. And the analysis of the results is not deep enough, the theoretical depth is insufficient. Therefore, I suggest the Editorial Office director reject this manuscript.*

2) Editorial Office Director: *I have checked the comments written by the science editor.*

3) Company Editor-in-Chief: *I recommend the manuscript to be published in the World Journal of Clinical Oncology.*

We thank the editors for elucidating how the reviewers' comments might be adequately addressed. Please see a point-by-point discussion of the topics below.

Response to Reviewers

Reviewer #1

Scientific Quality: *Grade C (Good)*

Language Quality: *Grade B (Minor language polishing)*

Conclusion: *Accept (General priority)*

Specific Comments to Authors: *The authors evaluated the role of diacerein (DAR), an anti-inflammatory drug, in the development of an experimental model of cancer stem cells (CSCs) and colitis-associated cancer (CAC). They found that DAR treatment reduced colon inflammation, number and size of tumors. DAR treatment was associated with a decrease in colon CSC formation, suggesting that besides reducing colonic inflammation, DAR has a direct effect on the inhibition of colon carcinogenesis. And finally come to a conclusion that DAR-mediated IL-1 β suppression attenuates inflammation-induced colon cancer and CSC formation, highlighting DAR as a potential candidate for the chemoprevention of CAC. The design of this study is reasonable and the structure is clear. Graphics and charts are rich in content. The manuscript is well written. But some parts of the article need to be modified.*

We thank the reviewer for the evaluation of manuscript.

#1. First, the format of the reference does not meet the requirements.

We have formatted the references and expect that they now are suitable for publication.

#2 Second, some abbreviations in the article do not give the full English name, including the abstract and the text of the article.

We have addressed this point and now all the abbreviations are associated with the respective full English name

Reviewer #2

Scientific Quality: Grade D (Fair)

Language Quality: Grade B (Minor language polishing)

Conclusion: Rejection

Specific Comments to Authors: This paper demonstrates that DAR treatment inhibits colonic inflammation and tumor size and quantity in animals, and suggests that this is associated with reduced inflammatory cytokines. In addition, it has been demonstrated that DAR treatment can reduce the formation of colon CSC formation. Unfortunately, the figures in this paper are not clear and explicit, especially the figures of western blot. And the analysis of the results is not deep enough, the theoretical depth is insufficient.

We thank the reviewer for the evaluation of manuscript.

In the present version, we sent the figures and the main manuscript in separate files. It is possible that the figures were not clear because of low resolution.