



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 56848

Title: Diacerein treatment prevents colitis-associated cancer in mice

Reviewer's code: 03104467

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2020-05-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-05-18 01:52

Reviewer performed review: 2020-05-22 07:01

Review time: 4 Days and 5 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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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.



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 56848

Title: Diacerein treatment prevents colitis-associated cancer in mice

Reviewer's code: 03724397

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chairman, Chief Doctor, Director, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2020-05-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-05-17 12:25

Reviewer performed review: 2020-06-01 16:27

Review time: 15 Days and 4 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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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. First, the format of the reference does not meet the requirements. Second, some abbreviations in the article do not give the full English name, including the abstract and the text of the article.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 56848

Title: Diacerein treatment prevents colitis-associated cancer in mice

Reviewer's code: 03724397

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chairman, Chief Doctor, Director, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2020-05-16

Reviewer chosen by: Han Zhang

Reviewer accepted review: 2020-07-24 02:40

Reviewer performed review: 2020-07-24 02:47

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The author has revised it according to the requirements. This study provides certain



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reference value for the prevention and treatment of digestive tract tumor, and it is recommended to accept.