

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 73005

Title: Sirolimus increasing the anti-cancer effect of Huai Er by regulating the HIF-1 α mediated glycolysis in HCC

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04737476

Position: Peer Reviewer

Academic degree: MBBS, MD, MSc

Professional title: Senior Lecturer

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2021-11-10

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-15 05:57

Reviewer performed review: 2021-11-26 12:09

Review time: 11 Days and 6 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 Grade E: Do not publish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 type="checkbox"/> Accept (General priority) <input checked="" 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 checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

I would like to thank the authors for their work to verify the role of Sirolimus and Huai Er in anti-cancer effect through regulating the HIF-1 α mediated glycolysis in HCC. I would suggest that the bar graphs should be tabulated with numbers and p values in the tables for easier reading and comprehension of significance and difference between each variables. This would save the highly crowded bars. The statistical analysis could not be evaluated due to the absence of tables with actual numbers.

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05038862

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2021-11-10

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-14 08:59

Reviewer performed review: 2021-12-24 23:23

Review time: 10 Days and 14 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input 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 type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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SPECIFIC COMMENTS TO AUTHORS

we revised with interest a manuscript by dr Zhou Y et al , entitled (Sirolimus increasing the anti-cancer effect of Huai Er by regulating the HIF-1 α mediated glycolysis in HCC), we have some comments: • Language needs corrections • Page 6: images were analyzed by Image J” needs reference • The relation between HIF-1 α , mTOR, autophagy needs to addressed • How can you explain the suppressed HIF-1 α and mTOR in on S50, H8 and S50+H8 • Page 21: “ Most anticancer drugs decrease the downstream activation effect by down-regulating or reducing the activity of PI3K-Akt-mTOR pathway[28,29], which can up-regulate the increase of PTEN,”..its supposed that PTEN affects Akt-mTOR pathway as a negative regulator not the reverse ? please clarify • I suggest that the author can represent the different signaling pathways involved in their research in a diagrammatic way 9graphical presentation), will simplify the data acquisition for the readers.