

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47108

Title: miR-34a overexpression enhances the inhibitory effect of doxorubicin on HepG2 cells

Reviewer's code: 03011870

Reviewer's country: Netherlands

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-03-20 03:22

Reviewer performed review: 2019-03-27 10:27

Review time: 7 Days and 7 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input checked="" type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting study about the effect of miR-34a expression on the growth inhibition of HepG2 cells by doxorubicin. In recent years, with the continuous improvement of surgical techniques and increase in proficiency of surgeons, the efficacy



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of surgical treatment for HCC has come close to its limit, which makes it difficult to continue to improve the prognosis of HCC with surgery. Like other malignant tumors, multidisciplinary treatment has become the primary means of HCC treatment, with chemotherapy being the most important alternative to surgery. However, early clinical experience shows that systemic chemotherapy is not effective for HCC, and drug resistance is the most important reason for the insensitivity of HCC to chemotherapy. Then, research on chemotherapy resistance and sensitization has become one of the hot spots. As a highly conserved miRNA, miR-34 plays an important role in cells. In this study, lentiviral vector was used to upregulate expression of miR-34a in HepG2 cells, the relationship between miR-34a expression and chemosensitivity of HepG2 cells to doxorubicin are observed, and the mechanism of their interaction is explored. Overall, this study is well designed, the manuscript is very well written. The results are very interesting, and well discussed with recent references. Only some minor language polishing should be corrected.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism



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[] No

Answer: According to the reviewer's comments, we have polished the language and edited English language by a native English speaking medical editor at MedE Medical Editing Group. The edited paper has reached grade A in language evaluation for SCI journals.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47108

Title: miR-34a overexpression enhances the inhibitory effect of doxorubicin on HepG2 cells

Reviewer's code: 03024280

Reviewer's country: United States

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-03-20 03:23

Reviewer performed review: 2019-03-27 10:29

Review time: 7 Days and 7 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Very interesting study. The study is well designed and the results are very clear and interesting. The figures are very informative. I have no special comments.



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INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

Answer: According to the reviewer's comments, we have polished the language and edited English language by a native English speaking medical editor at MedE Medical Editing Group. The edited paper has reached grade A in language evaluation for SCI journals.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47108

Title: miR-34a overexpression enhances the inhibitory effect of doxorubicin on HepG2 cells

Reviewer's code: 03660347

Reviewer's country: Finland

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-03-14 23:25

Reviewer performed review: 2019-03-27 10:32

Review time: 12 Days and 11 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Very interesting study. Manuscript well written. The effect of miR-34a expression on the growth inhibition of HepG2 cells by doxorubicin is well investigated. Methods are listed in detail, and the results are well discussed. Some minor language polishing should be



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revised.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

Answer: According to the reviewer's comments, we have polished the language and edited English language by a native English speaking medical editor at MedE Medical Editing Group. The edited paper has reached grade A in language evaluation for SCI journals.

Besides, we have provided point to point answer to science editor.

1. You need to provide the grant application form(s) or certificate of funding agency for every grant, or we will delete the part of "Supported by...".

Answer: we have provided the grant application form(s) of funding agency for every grant.

2. Any article describing a study (basic research and clinical research) involving human and/or animal subjects is required to have the institutional review board (IRB) name, whether institutional (part of the author(s)' academic/medical institution, such as the Oak Grove Children's Hospital Institutional Review Board) or commercial/independent/private (contracted for-profit organizations, such as the ClinicCare Coalition for Human Rights Institutional Review Board), stated explicitly on the title page.

Please provide the approval file of Institutional review board, and state it on the title page.

e.g. The study was reviewed and approved by the [Name of Institution or Organization] Institutional Review Board.

Answer: We have provided the approval file of Institutional review board, and state it on the title page.

3. Any article describing a study (basic research) involving animal subjects is required to have the institutional animal care and use committee (IACUC)'s institution name (such as the Genovese Institute) and protocol number (such as 14-9347-39G or EN-21549) stated explicitly in the title page section.

Please provide the approval file of Institutional animal care and use committee, and state it on the title page.

e.g. All procedures involving animals were reviewed and approved by the Institutional Animal Care and Use Committee of the [Name of institution] (IACUC protocol number: [protocol number]).

Answer: No animal models were used in this study.

4. Please download and complete the ARRIVE checklist to ensure that the manuscript meets the requirements of the ARRIVE Guidelines. Authors must state on the title page



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of the manuscript that the ARRIVE Guidelines have been adopted. Please provide the PDF version of the completed ARRIVE checklist to the system.

e.g. The authors have read the ARRIVE guidelines, and the manuscript was prepared and revised according to the ARRIVE guidelines.

Answer: We have download and completed the ARRIVE checklist to ensure that the manuscript meets the requirements of the ARRIVE Guidelines. We have stated on the title page of the manuscript that the ARRIVE Guidelines have been adopted. We have provided the PDF version of the completed ARRIVE checklist to the system.

5. Please offer the audio core tip, the requirement are as follows:

In order to attract readers to read your full-text article, we request that the first author make an audio file describing your final core tip. This audio file will be published online, along with your article. Please submit audio files according to the following specifications:

Acceptable file formats: .mp3, .wav, or .aiff

Maximum file size: 10 MB

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Answer: We have offered the audio core tip.

6. ARTICLE HIGHLIGHTS

Answer: we have provided the ARTICLE HIGHLIGHTS.

7. Please check and confirm that there are no repeated references!

Please add PubMed citation numbers (**PMID** NOT PMCID) and DOI citation to the reference list and **list all authors**. Please revise throughout. The author should provide the first page of the paper



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without PMID and DOI.

PMID (<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed>) (Please begin with PMID:)

DOI (<http://www.crossref.org/SimpleTextQuery/>) (Please begin with DOI: 10.**)

Answer: We have checked and confirmed that there are no repeated references. We have added PMID and DOI and listed all authors.

8. Please provide the decomposable figure of figures, whose parts are all movable and editable, organize them into a PowerPoint file, and submit as "Manuscript No. -Figures.ppt" on the system, we need to edit the words in the figures. All submitted figures, including the text contained within the figures, must be editable. Please provide the text in your figure(s) in text boxes.

Answer: We have provided the PowerPoint file as requested.