



PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 40517

Title: miR-122-5p as a novel biomarker for alpha-fetoprotein-producing gastric cancer

Reviewer’s code: 03261985

Reviewer’s country: Japan

Science editor: Jin-Lei Wang

Date sent for review: 2018-07-20

Date reviewed: 2018-07-22

Review time: 2 Days

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 type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" 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 study investigated the effect of overexpression of miR-122-5p in AFP-producing GC. Their work seems to be worth for praise, however, the interpretation of the results is confused. Major revisions should be performed to meet the standards for the publication in “World Journal of Gastroenterology”. Major 1. Is miR-122-5p expression truly a



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novel biomarker for liver metastasis? No statistical analysis supports the hypothesis in the manuscript. It is better to change the title of this manuscript. 2. Number of the patients should be mentioned in the abstract. 3. The authors cannot state the relation between the miR-122-5p and prognostic prediction in conclusion. Same as comment 1, no statistically meaningful data supports the effect of onto the prognosis. Minor 1. In abstract, the authors mentioned the correlation of the miRNA and liver metastasis. Is it a correlation of a development of the liver metastasis? 2. In discussion, the authors said that two patients who developed liver metastases were diagnosed poorly differentiated and mucinous adenocarcinoma. It should be described in the result. 3. In the legend of Fig 4, it is enough to state that black symbol indicate only "death", not "death due to liver metastasis". Did two deceased patients have only liver metastases?

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- [Y] No

BPG Search:

- The same title
- Duplicate publication
- Plagiarism
- [Y] No



PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 40517

Title: miR-122-5p as a novel biomarker for alpha-fetoprotein-producing gastric cancer

Reviewer’s code: 00698109

Reviewer’s country: South Korea

Science editor: Jin-Lei Wang

Date sent for review: 2018-07-05

Date reviewed: 2018-07-23

Review time: 17 Days

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
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publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" 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 article is well designed and approached well for its relevance to alpha-fetoprotein (AFP) and miR-122-5p, and many readers will be interested. However, if some additions are supplemented before publishing, it will make this manuscript better. 1. The number of cases in Figures 3 and 4 is too small, so it needs more additional case. 2. It



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looks to be associated with AFP and miR-122-5p, but it does not show any specific relevance between AFP and miR-122-5p. I am wondering how miR-122-5p expression changes when AFR is staged in stomach cancer cells. 3. In other studies, miR-122-5p has been reported to be inhibited rather in cancer, in contrast to this manuscript. It is necessary to discuss the results in detail. .

INITIAL REVIEW OF THE MANUSCRIPT

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