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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39852

Title: Low expression of CDK5RA and DDRGK1 indicates a poor prognosis in Patients with Gastric Cancer

Reviewer’s code: 00068723

Reviewer’s country: Japan

Science editor: Ze-Mao Gong

Date sent for review: 2018-05-22

Date reviewed: 2018-05-22

Review time: 8 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 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 checked="" type="checkbox"/> Grade D: Fair	<input checked="" 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

The authors investigated CDK5RAP3 and DDRGK1 in gastric cancer tissues with clinicopathological data. They found that expression patterns of the two proteins were related with differentiation of cancer cells, depth of invasion, lymph node metastasis,



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and prognosis. The results were potentially useful. But the definition was not clear of high or low expression of the two proteins with immunohistochemistry. The definition may affect the results. Figure 1 D. High expression panels showed positive signals in fibrous or stromal tissues, outside the cancer cells. Low expression panels showed weak positive signals in fibrous tissues. This difference of staining patterns was a crucial point of this study. It would be better to define high or low expression in words. It would be appropriate to show results in scores of staining patterns. For example, score 1, 2, 3, and 4 following the intensity of positive signals.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39852

Title: Low expression of CDK5RA and DDRGK1 indicates a poor prognosis in Patients with Gastric Cancer

Reviewer's code: 02558978

Reviewer's country: Taiwan

Science editor: Ze-Mao Gong

Date sent for review: 2018-05-22

Date reviewed: 2018-05-25

Review time: 3 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 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

Manuscript ID: 39852 Manuscript title: Low expression of CDK5RAP3 and DDRGK1 indicates a poor prognosis in Patients with Gastric Cancer The manuscript is acceptable Minor comment: 1. Page 6, the sentence, "It was found that the expression



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of CDK5RAP3 and DDRGK1 in 6 patients was higher than that in cancer tissues (Fig. 1 A).” did not specify which region with higher expression of CDK5RAP3 and DDRGK1 in 6 patients and is needed to modified. 2. The results indicated that the expression of CDK5RAP3 and DDRGK1 in gastric cancer cell lines decreased with the decrease of differentiation degree of the gastric cancer cell lines. Authors may further manipulate both gene expression in different gastric cancer cell lines, such as overexpression or knockdown, and investigate the characteristics of cancer cells to provide more molecular evidence by in vitro cell model. Then, these data will further support the conclusion that low expression of CDK5RAP3 and DDRGK1 act as the prognostic factors for gastric cancer patients.

INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39852

Title: Low expression of CDK5RA and DDRGK1 indicates a poor prognosis in Patients with Gastric Cancer

Reviewer's code: 02977366

Reviewer's country: China

Science editor: Ze-Mao Gong

Date sent for review: 2018-05-22

Date reviewed: 2018-05-28

Review time: 6 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 checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Minor revision	<input checked="" type="checkbox"/> Advanced
		<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In the manuscript entitled "Low expression of CDK5RAP3 and DDRGK1 indicates a poor prognosis in Patients with Gastric Cancer", the author found that co-expression of CDK5RAP3 and DDRGK1 can provide a more accurate model for the long-term



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prognosis of gastric cancer. In my opinion, the study discovery the potential value of CDK5RAP3 and DDRGK1 in gastric cancer, this study is full of innovation and clinical translational value. Comment: 1. In the text, author mentioned that expression of DDRGK1 was correlated with the sex of the patients ($P=0.080$), the P value beyond the cutoff set by the author in the section of statistical analysis ($p < 0.05$). 2. CDK5RAP3 and DDRGK1 are key genes which may participate in the biological regulation of neoplasms, while the detail mechanism of them in gastric cancer are still less clearly. Author showed that the co-expression of CDK5RAP3 and DDRGK1 can provide a more accurate model for the long-term prognosis of gastric cancer. We suggested that the author should clarify the regulation relationship between CDK5RAP3 and DDRGK1 in GC cell lines, whether they interact with each other, which is the main regulator and whether the ubiquitination of DDRGK1 could be influenced by the expression of CDK5RAP3. 3. Author only compare the prognostic value of high level of CDK5RAP3 and/or DDRGK1 with low level of CDK5RAP3 and DDRGK1. We suggest to compare the prognostic value of high CDK5RAP3/ low DDRGK1 with low CDK5RAP3/ high DDRGK1, in order to identify the relationship between them.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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BPG Search:

- The same title



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No