

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 30426

**Title:** Clinicopathological and prognostic significance of aberrant Arpin expression in gastric cancer

**Reviewer's code:** 00502831

**Reviewer's country:** Japan

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2016-10-05 14:13

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

The authors detected the expression of Arpin, and evaluated its correlation with clinicopathological characteristics and prognosis of gastric cancer patients. They concluded that low Arpin occurs and associates with clinicopathological characteristics and poor prognosis in gastric cancer patients. This is interesting and well written, and this study is the first report conducted to determine the value of Arpin in patients with gastric cancer. But I have some comments as bellow. #1. How about the expression of Arpin in TNM Stage IV gastric cancer? #2. How about the correlation of the expression of Arpin with liver metastasis and with peritoneal metastasis? #3. Is there correlation of the expression of Arpin with sensitivity of anti- cancer drug? #4. Is there correlation of the expression of Arpin with EMT markers such as vimentin and cadherin, etc? #5. The authors should evaluated the prognosis of Arp2/3 positive+high Arpin Group, Arp2/3 negative + high Arpin Group, Arp2/3 postive + low Arpin Group and Arp2/3 negative+low Arpin Group.

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 30426

**Title:** Clinicopathological and prognostic significance of aberrant Arpin expression in gastric cancer

**Reviewer's code:** 02954868

**Reviewer's country:** Japan

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2016-10-05 14:13

**Date reviewed:** 2016-10-09 10:25

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

This is very interesting paper using new protein. Furthermore, following comments should be addressed. 1. How many number of lymph nodes did authors dissect during gastrectomy? 2. How many number of metastatic lymph nodes in each individuals? I think those are highly associated with prognosis. I would like to request authors to compare some factors already known and Arpin using multivariate analysis etc. 3. How many number of slides did authors assess for Arpin IHC staining? Please describe more details. Also, which tumour areas did authors evaluate? I think gastric cancer has histological diversities. 4. DFC should be investigated in each stage. 5. Stage I should be deleted because of good prognosis. In order to correctly assess prognosis by Arpin expression, I believe only stage II/III should be included.

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 30426

**Title:** Clinicopathological and prognostic significance of aberrant Arpin expression in gastric cancer

**Reviewer's code:** 01438231

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

This is an interesting article relating Arpin expression to GC. However, the English needs a good deal of polishing. Some sentences do not make sense. e.g. So such a result may explain many local lymph node metastases occurs when the tumour size is not very big. This sentence does not make sense and the verbs are not conjugated properly. Another example-Our research results manifest the expression of Arpin and Arp2/3 complex in gastric carcinoma had a significant correlation. Not a clear statement. There are many more sentences like this. Other issues: The Data in table 3 is taken from table 1, but the numbers are slightly different. Why is this? Percentages should be added to the tables. it would make data assessment easier for the reader. The relationship between Arpin and Arp2/arp3 complexes is not explained well in the results or discussion. Is it an inverse relationship? How might this affect cell migration? The study is interesting. The data were collected. The presentation needs improvement.

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 30426

**Title:** Clinicopathological and prognostic significance of aberrant Arpin expression in gastric cancer

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<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
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<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
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		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

The authors investigated the expression of Arpin, Arp2/3 inhibitor in gastric cancer. They firstly focused on the difference of Arpin expression between cancerous tissue and adjacent normal gastric mucosa using immunohistochemical study. Lower expression of Arpin was found in tumor compared with normal tissues. They next examined the association of Arpin with clinicopathological findings. Decreased expression of Arpin was significantly related with TMN stage and lymph node metastasis. Arpin and Arp2/3 complex was positively correlated with gastric cancer. Furthermore, the low Arpin expression is significantly associated with shorter survival for gastric cancer patients. Thus, Arpin has attracted considerable attention as a novel candidate of a biomarker in gastric cancer. This study is well conducted and the methods used are appropriate. The data are presented clearly. However, there are some points to clarify before acceptance for publication. My comments are as follows. Major comments; It is already well known that Arpin has been shown to play a significant role in cell motility and migration in several kinds of cells, including cancer cells. The expression of Arpin in surgical specimens has been also described to relate with the prognosis of cancer patients, as the

authors described in Ref #18. Thus, this paper shows similar findings to the previous report. Authors should explain the difference between the reports, and provide the rationale for why they focused on Arpin in gastric cancer? To my knowledge, it hasn't been prominently implicated in gastric cancer through activating event. It seems the author picked their preferred signaling component. How about other pivotal pathways such as Rac, WAVE and WASP those are described as crucial for cell migration. I recommend the authors to emphasize new findings of their work. Minor Comments;

1. There are typographical errors in the manuscript. Page 2 line 18: change "have" with "has" Page 3 line 15: change "A ordinary" with "An ordinary" Page 5 line 13: change "year" with "years" Page 10 line 20 & Page 13 line 14: change "analysing" with "analyzing" Page 13 line 14: change "approachs" with "approaches" 2. In Discussion Section, page 15 line 20, the authors described "a possible target for gastric cancer therapy". To really substantiate that Arpin can be the therapeutic target in gastric cancer, experiments using gastric cancer cell lines should be further carried out.