



# BAISHIDENG PUBLISHING GROUP INC

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## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 15402

**Title:** Relationship between the expression of NADPH Oxidase2 and the invasion and prognosis of human gastric cancer

**Reviewer's code:** 03009090

**Reviewer's country:** China

**Science editor:** Yuan Qi

**Date sent for review:** 2014-11-26 10:24

**Date reviewed:** 2014-12-11 22:35

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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 checked="" 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 checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<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 a manuscript by Peng et al., in which the authors investigated the relationship between the expression of NOX2 and the invasion and prognosis of human gastric cancer. In overall, this is an interesting but a very limited study. The statistical analysis of ranked data shown in the present is not appropriate. Indeed, doing by Rank-Sum test (Table 1). The results of cox regression should have regression coefficient(b), SE of regression equations,  $\chi^2$  value. (Table 2,3). I warmly recommend the authors to ask a professional statistician for suggestions. The result of WB should be used for semi-quantitative analysis and statistical tests.



**ESPS PEER-REVIEW REPORT**

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

**ESPS manuscript NO:** 15402

**Title:** Relationship between the expression of NADPH Oxidase2 and the invasion and prognosis of human gastric cancer

**Reviewer’s code:** 02537605

**Reviewer’s country:** China

**Science editor:** Yuan Qi

**Date sent for review:** 2014-11-26 10:24

**Date reviewed:** 2014-12-25 00:38

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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 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 checked="" 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		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

**COMMENTS TO AUTHORS**

The aim of this study was to evaluate the expression and prognosis of NOX2 in gastric cancers and the correlation with VEGF and EGFR. To do this they used a immunohistochemistry and western blot method to assess NOX2, VEGF, EGFR and CD68 expression. They concluded that tumor associated Macrophage may the major resource of NOX2. NOX2 may be a newly biomarker of gastric cancer and a potential therapeutic target of gastric cancer. The results are potentially interesting but there are some questions arising: 1. The author assessed tumor tissue and the adjacent tissue from 123 patients, in the results, the authors only mention the “NOX2 was over-expressed in the gastric cancer tissues compare to the adjacent tissue”, but did not list the expression rate in the adjacent tissues. 2. In western blot analysis, the up-regulate rate of NOX2 was only 39%, the rate was low, maybe not support the conclusions. 3. In table 1, the statistical should be not only the x2 test, but also the exact t-tset. 4. The manuscript needs editing for grammar. 5. Table 3 should delete the subgroup title, such as “early stage and advanced stage”. 6. The conclusion statement " The tumor associated Macrophage may the major resource of NOX2" is over-stated and it is not the main discussion content,



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if the authors want to obtain this results, they should add some cellular mechanism experiments.