

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 6823

Title: An updated review of gastric cancer in the next-generation sequencing era: insights from bench to bedside/clinic and vice versa

Reviewer code: 00043819

Science editor: Qi, Yuan

Date sent for review: 2013-10-29 19:10

Date reviewed: 2013-11-12 21:11

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

In this manuscript the Authors review recent advances in molecular research in gastric cancer and their application in clinical settings. The article is well-written and interesting for oncologists and gastroenterologists.

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Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 6823

Title: An updated review of gastric cancer in the next-generation sequencing era: insights from bench to bedside/clinic and vice versa

Reviewer code: 02527607

Science editor: Qi, Yuan

Date sent for review: 2013-10-29 19:10

Date reviewed: 2013-12-04 08:25

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input checked="" type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

GENERAL COMMENTS: In this manuscript, authors reviewsome recent studies about genetic and epigenetic alterations,diagnostic and therapeutic strategies in gastric cancer.According to the following four aspectsdiscovered by next-generation sequencing 1) Genetic alterationsincluding MSI, somatic mutations, miRNAs in GC 2)Epigenetic alterations such as aberrant methylation of RASGRF1 and miR-34b/cincrease risk of GC 3) DNA methylation analysis of miR-34b/c, GDNF, MINT25 and Sox17 in gastric washes may be sensitive and specific markers for screening of GC4)MoAb or small-molecule inhibitors may develop potential targeted drugs for GC, authors want to show a new way to understand the sequencing results, which from bench to clinic and vice versa. Author's idea is relatively novel and interesting to pursuit, however, they need to explain some major questions.

SPECIFIC COMMENTS: Major questions: 1)Though authors mean to demonstrate a new approach to understand the next-generation sequencing of gastric cancer, it's not easy to find a mainline to understand the full text. 2)The logic of this manuscript is not strong, coherence between the various parts are not good enough, especially it did not explain clearly the relationship between targeted drug therapy and next-generation sequencing in the last part. Minor questions: 1) In the introduction section, authors should give a brief introduction for next-generation sequencing (NGS). 2)According to the title of this manuscript, authors intend to use laboratory research and clinical practice as an entry point to interpret the next-generation sequencing of gastric cancer, but in the conclusion section, there is lack of discussion and analysis of genes discovered by next-generation sequencing without laboratory and clinical researches. 3)Although the pictures in the text beautifully produced, the Figure 3 deviated from this theme, recommend deleting it.

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Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 6823

Title: An updated review of gastric cancer in the next-generation sequencing era: insights from bench to bedside/clinic and vice versa

Reviewer code: 00181182

Science editor: Qi, Yuan

Date sent for review: 2013-10-29 19:10

Date reviewed: 2014-01-29 13:49

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

Excellent review covering all the important issues. No further comments or editing needed.