



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53733

Title: Single-nucleotide polymorphisms based genetic risk score in the prediction of pancreatic cancer risk

Reviewer's code: 05128707

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Saudi Arabia

Author's Country/Territory: China

Manuscript submission date: 2019-12-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2019-12-30 10:37

Reviewer performed review: 2019-12-31 08:34

Review time: 21 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	RE-REVIEW	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept (High priority)	<input type="checkbox"/> Yes	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Accept (General priority)	<input type="checkbox"/> No	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Minor revision		<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision		Conflicts-of-Interest:
<input type="checkbox"/> Grade E: Do not publish		<input type="checkbox"/> Rejection		<input type="checkbox"/> Yes
				<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Dear Author, It was good to read your paper on the combination effects of the various SNPs their role in modulating the overall genetic risk and hence on the predisposition of PDAC. Although the concept is worth discussing and the manuscript is scientifically sound. I have some issues with the paper, which need to be addressed. 1. The SNPs chosen must have met some criteria, why were the specific SNPs chosen? do all of the SNPs have association with PDAC or in general with cancers? 2. The paper is mentioning the risk in Chinese population only, but the SNPs chosen have been reported from European, Japan etc. how can one related the gwas/snp studies in other population with ethnic/chinese population. I think comparison is not valid. Unless of course you are mentioning the risk of PDAC in general. 3. The sample size of the studied cases/.control is not good enough to draw the strong conclusions. 4. Authors should explicitly discuss the GRS scoring system in detail. 5. It is better to start the discussion with the importance of GRS and its role in prediction of diseases specifically cancers. 6. There is some need of english language polishing as well. Regards

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

- The same title
- Duplicate publication
- Plagiarism



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[Y] No



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53733

Title: Single-nucleotide polymorphisms based genetic risk score in the prediction of pancreatic cancer risk

Reviewer’s code: 00183086

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Academic Research, Doctor, Lecturer, Surgeon

Reviewer’s Country/Territory: Greece

Author’s Country/Territory: China

Manuscript submission date: 2019-12-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-01-03 10:59

Reviewer performed review: 2020-01-04 07:31

Review time: 20 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	RE-REVIEW	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept (High priority)	<input type="checkbox"/> Yes	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Accept (General priority)	<input type="checkbox"/> No	<input type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	<input checked="" type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Minor revision		<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair		<input type="checkbox"/> Major revision		Conflicts-of-Interest:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Rejection		<input type="checkbox"/> Yes
				<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



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This is a very interesting article with regard to the potential role of Single-Nucleotide Polymorphisms based Genetic Risk Score in the Prediction of Pancreatic Cancer Risk. Therefore, major revisions are implemented. 1. In the Introduction section the number of paragraphs should be reduced. The third one should be more analysed. The aim of the study should be more clear. 2. In the Methods section please provide more information about inclusion criteria. 3. Results should be more precise. 4. In the Discussion section comparative evaluation with other investigations should be conducted. 5. Newly published articles should be included. 6. Grammatical errors should be corrected throughout the Text. 7. Tables should be modified as they are just the result of statistical analysis.

INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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- No



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53733

Title: Single-nucleotide polymorphisms based genetic risk score in the prediction of pancreatic cancer risk

Reviewer's code: 00069827

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Lithuania

Author's Country/Territory: China

Manuscript submission date: 2019-12-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-01-03 07:56

Reviewer performed review: 2020-01-05 07:34

Review time: 1 Day and 23 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	RE-REVIEW	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept (High priority)	<input type="checkbox"/> Yes	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Accept (General priority)	<input type="checkbox"/> No	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Minor revision		<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision		Conflicts-of-Interest:
<input type="checkbox"/> Grade E: Do not publish		<input type="checkbox"/> Rejection		<input type="checkbox"/> Yes
				<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



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This is an interesting study evaluating the performance of SNPs based GRS for predicting PDAC risk in Chinese population. Authors present new data: (i) GRS was an independent predictor of PDAC; (ii) as reflecting inherited risks, patients with higher GRSs would have higher risks of PDAC in the study population. The introduction, methods and results sections are of sufficient quality. The discussion lacks references to the other studies presenting the value of SNPs based GRS for predicting PDAC/other cancer risks in the international context. Also there is no data about the prevalence of different SNPs included in the GWA panel among PDAC patients in Chinese and international populations. Thus the discussion section would benefit from revision and inclusion of the above mentioned information.

INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53733

Title: Single-nucleotide polymorphisms based genetic risk score in the prediction of pancreatic cancer risk

Reviewer's code: 00069827

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Lithuania

Author's Country/Territory: China

Manuscript submission date: 2019-12-30

Reviewer chosen by: Yu-Qiao Wang

Reviewer accepted review: 2020-03-31 05:13

Reviewer performed review: 2020-04-05 20:56

Review time: 5 Days and 15 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 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 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



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SPECIFIC COMMENTS TO AUTHORS

Overall, an interesting article and innovative approach opening new possibilities for pancreatic cancer screening and early cancer detection. However, I am not convinced that the genetic test serves the purpose the authors claim it should do. In my opinion the authors successfully proved that cancer patients have a higher presence of certain types of SNPs. In order to prove the concept, the test should be employed in large cohort of patients being investigated for various pancreatic tumours and/or long-term prospective cohort of healthy individuals with know genetic profile to check the PDAC development rates.

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