

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 52001

Title: Gene polymorphisms in nucleotide excision repair pathway are associated with colorectal cancer

Reviewer's code: 00503334

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Research Assistant Professor

Reviewer's country: United States

Author's country: China

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-10-12 11:56

Reviewer performed review: 2019-10-20 21:18

Review time: 8 Days and 9 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 type="checkbox"/> Anonymous
<input 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 type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



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In the large scale, two stage genetic association study, Li and his colleagues screened and validated the association between the several SNPs in the NER pathway and CRC risk and prognosis. It is a well-designed study and well-written manuscript. The study design and statistical analysis are scientific relevance. The results and findings are meaningful. The only concern is that the reviewer could not find the supplement tables as mentioned in the text.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 52001

Title: Gene polymorphisms in nucleotide excision repair pathway are associated with colorectal cancer

Reviewer's code: 00187828

Position: Editorial Board

Academic degree: BSc, DSc, FRS, MSc, PhD

Professional title: Full Professor, Professor

Reviewer's country: Turkey

Author's country: China

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-10-12 10:31

Reviewer performed review: 2019-10-23 08:02

Review time: 10 Days and 21 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 checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" 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 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 checked="" type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Some corrections of the language is required such as cyclobitane pyrimidine dimers HapMap Chinese The XPA rs10817938 and XPC rs2607775 polymorphisms could be novel potential genetic biomarkers for prediction of the susceptibility to CRC. In the stratified analysis, it is worth noting that the originally meaningful two SNPs contributing to CRC risk in overall population only demonstrated association in the subgroups of male and age \leq 60y, while no significance was found in female and age $>$ 60y. The risk effects of NER SNPs seemed to be modified by gender and age. Both morbidity and mortality of CRC are higher in men than women no matter worldwide or in China. In summary, a two-stage case-control study to explore the association of all tag SNPs in eight NER pathway genes with CRC risk and prognosis in a northern Chinese population, including a discovery and a validation stages were done. Two SNPs (XPA rs10817938 and XPC rs2607775) were found to contribute to increased CRC risk in overall and stratification analysis. Another two SNPs (ERCC2 rs1052555 and ERCC5 rs2228959) were reported to be associated with poor CRC prognosis. The present study has referential values for the identification of NER-based genetic biomarkers in predicting the susceptibility and clinical outcome of CRC, and may also provide clues for the access to individualized early diagnosis and therapy of CRC patients. Finally, this is an interesting study with new findings in CRC, the language needs some corrections which were indicated above and done on the text.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No



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- ☐ The same title
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