



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-223-8242
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 51222

Title: Association between Interleukin-21 gene rs907715 polymorphism and gastric precancerous lesions in a Chinese population

Reviewer's code: 01438231

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's country: United States

Author's country: China

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-09-07 14:42

Reviewer performed review: 2019-09-14 16:15

Review time: 7 Days and 1 Hour

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

Title: Association between Interleukin-21 gene rs907715 polymorphism and gastric precancerous lesions in a Chinese population Manuscript Type: Case Control Study
This paper is described as a case study, but it is really not a case study. The authors collected samples and extracted DNA from a specific population and examined the associations between IL-21 polymorphisms and gastric lesions. The study is straightforward and presented well. However, there is really not a lot of data presented. Is this a “short report?” Comments: The authors could have examined the gastric specimens in greater detail, i.e., graded the degree of gastritis, intestinal metaplasia, etc. using the Sydney system (-, +, ++, +++). Instead, the data is presented as lesion present or not present (yes or no). Also, since blood samples are available, why not measure the levels of IL-21 in the blood? The presence of antibodies against H. pylori and the CagA toxin could also be measured in the blood and related to IL-21 SNPs. The study is fine and publishable in its present form, but this reviewer feels that more could have been done with the samples available to the investigators.

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 Gastrointestinal Oncology

Manuscript NO: 51222

Title: Association between Interleukin-21 gene rs907715 polymorphism and gastric precancerous lesions in a Chinese population

Reviewer's code: 03440494

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's country: Tunisia

Author's country: China

Reviewer chosen by: Jin-Zhou Tang

Reviewer accepted review: 2019-09-19 18:12

Reviewer performed review: 2019-09-23 21:38

Review time: 4 Days and 3 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

-How do you calculate power and sample size calculation? -The number of controls subject must be a least equal to patient? -You must add new control subjects and you must do new genotyping when you made a comparison between controls and intestinal metaplasia groups -New association must be indicated and discussed; - Haplotype analysis must be done. - what is the advantage to use the polymerase chain reaction-ligase detection reaction (PCR-LDR) method" - Exact sequences of oligonucleotide primers and probes must be added with references . - Condition to conduct sequencing analysis must be added and the sequencing profil for each genotype of each SNP must be added as a new figures -Please reformulate this sentences " Analyses of rs907715 mRNA expression in intestinal epithelium tissue from six subjects with IM showed a monotonic inverse association with copies of the C allele ($p<0.001$)" . - How do you perform the mRNA expression study? please indicate all steps from extraction to quantification with details in manuscripts. -In order to better understand the role of IL-22, the IL-22 mRNA expression must be done between cases and controls. - The numbers of IL-22 mRNA expression samples must important and equal for each gastric precancerous lesions groups -The IL-22 mRNA expression must be studied according to different genotypes for each polymorphisms and between case and control groups. - New results based in the correlation between IL-22 mRNA expression and Il 22 SNPs must indicated and discussed. - statistical methods and test used to study the IL-22 mRNA expression must indicated - The title of fig 2 "-21 mRNA expression level in 6 intestinal epithelium tissues as function of rs907715 genotypes."must be corrected. -References must be updated.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

[] The same title



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☐ Duplicate publication

☐ Plagiarism

☒ No

BPG Search:

☐ The same title

☐ Duplicate publication

☐ Plagiarism

☒ No