



**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 checked="" 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 checked="" type="checkbox"/> Anonymous
<input checked="" 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 type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**



**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

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 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

**SPECIFIC COMMENTS TO AUTHORS**



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Group**

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-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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Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA

**Telephone:** +1-925-223-8242

**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)

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Duplicate publication

Plagiarism

Y ] No

***BPG Search:***

The same title

Duplicate publication

Plagiarism

Y ] No