



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 47439

**Title:** TLR9 polymorphisms and Helicobacter pylori influence the gene expression and risk of gastric carcinogenesis

**Reviewer’s code:** 03474938

**Reviewer’s country:** Mexico

**Science editor:** Ying Dou

**Reviewer accepted review:** 2019-04-16 12:30

**Reviewer performed review:** 2019-04-18 07:44

**Review time:** 1 Day and 19 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 type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input checked="" 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 checked="" 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**

In this study, the authors found that TLR9-1237 TC + CC and TLR9-1486 TC + TT, if alone or in combination, were associated with risk for gastric carcinogenesis in the Brazilian population. The presence of polymorphisms in TLR9 increases the risk for the



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development of gastric cancer and this issue is still controversial due to the results observed in different populations, so this study provides information on this subject

1.- Title: a suggestion, I believe that the title should contain the type of population studied, that highlights the importance of their work. 2.- Within the justification of this work. Why you just decided to study polymorphisms 1237 T/C, rs57433836 and 1486 C/T, rs187084 and did not consider the 2848 C/T, rs352140 for example? Why not explore this last polymorphism in your population? Will it only have importance in Caucasians? Check this paper: The TLR9 Gene Polymorphisms and the Risk of Cancer: Evidence from a Meta-Analysis LuShun Zhang, HaoJie Qin, Xuan Guan, Kui Zhang , ZhiRong Liu However, in the Mexican population the 2848A allele of TLR9 was more frequent in duodenal ulcer and showed an association of risk with this pathology. It would be interesting to consider it or comment on why it was not considered. Trejo de la O et al., 2015. Polymorphisms in TLR9 but not in TLR5 increase the risk for duodenal ulcer and alter cytokine expression in the gastric mucosa 3.- What questions have this study to do next? 4.- What are the future directions of this work?

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- The same title
- Duplicate publication
- Plagiarism
- No

##### ***BPG Search:***

- The same title
- Duplicate publication



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[ ] Plagiarism

[ Y ] No



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**Name of journal:** World Journal of Gastrointestinal Oncology

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**Title:** TLR9 polymorphisms and Helicobacter pylori influence the gene expression and risk of gastric carcinogenesis

**Reviewer’s code:** 02840182

**Reviewer’s country:** Turkey

**Science editor:** Ying Dou

**Reviewer accepted review:** 2019-04-17 08:48

**Reviewer performed review:** 2019-04-25 07:46

**Review time:** 7 Days and 22 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 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
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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 type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

Authors evaluated two SNPs of TLR9 whether they contribute to the risk of gastric carcinogenesis. The study is well conducted and the manuscript is well written and discussed. I think this article is contribute to the literature.



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