



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 51101

**Title:** MicroRNA-32-5p aggravates intestinal epithelial cell injury of pediatric enteritis induced by Helicobacter pylori

**Reviewer's code:** 00503405

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Senior Lecturer, Senior Scientist

**Reviewer's country:** Hungary

**Author's country:** China

**Reviewer chosen by:** Artificial Intelligence Technique

**Reviewer accepted review:** 2019-08-28 12:19

**Reviewer performed review:** 2019-08-30 08:06

**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 type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Accept (High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Accept (General priority)	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Minor revision	Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish		<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 this original article the authors demonstrated the harmful role of aberrant miR-35-5p in H. pylori-infected intestinal epithelial cells. They found that SMAD6 is the downstream of miR-32-5p and exerts an opposite role, moreover, miR-32-5p/SMAD6 contributes to TGF- $\beta$ 1-TAK1-p38 cascade in intestinal epithelial cells under H. pylori infection. The title, the abstract and the key words are all correct. The manuscript adequately describes the background, present status and significance of the study. The described methods are also adequate, a third part can reproduce the experiments by using the descriptions. Their findings are new, and of great clinical importance since the new aspects of HP pathogenesis are highlighted and a deeper insight of the pathogenesis and complex interaction of the bacterium and the host is possible now. The tables, figures are all representative. The used biostatistical methods are also correct and adequate. The used referece list is up to date. I suggest to accept the manuscript for publication in WJG.

#### **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:** 51101

**Title:** MicroRNA-32-5p aggravates intestinal epithelial cell injury of pediatric enteritis induced by Helicobacter pylori

**Reviewer's code:** 00504545

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Emeritus Professor

**Reviewer's country:** Spain

**Author's country:** China

**Reviewer chosen by:** Jie Wang

**Reviewer accepted review:** 2019-08-30 06:45

**Reviewer performed review:** 2019-08-30 09:21

**Review time:** 2 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 type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

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This is a very interesting study demonstrating the important pathogenic role of the miR32-5p in the production of chronic enteritis secondary to helicobacter pylori infection in children acting through the target of the SMAD6 and activating the system by the TAK1-p38 inflammatory cascade. The experimental work has been well designed and performed and the conclusions are very clear demonstrated I want to congratulate the authors for your excellent contribution

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

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

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- No

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

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- No



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 51101

**Title:** MicroRNA-32-5p aggravates intestinal epithelial cell injury of pediatric enteritis induced by Helicobacter pylori

**Reviewer's code:** 00607640

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Professor

**Reviewer's country:** Taiwan

**Author's country:** China

**Reviewer chosen by:** Artificial Intelligence Technique

**Reviewer accepted review:** 2019-08-28 23:36

**Reviewer performed review:** 2019-09-02 22:41

**Review time:** 4 Days and 23 Hours

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 polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good		<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Minor revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

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The topic “MicroRNA-32-5p aggravates intestinal epithelial cell injury of pediatric enteritis induced by Helicobacter pylori.” is interesting and the author's made a major assertion that the aberrant expression of miR-32-5p plays crucial role in H. pylori-related pediatric enteritis, and TAK1-p38 pathway is involved in it. The conclusion is insightful, and could be helpful in clinic study.

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

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

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- No

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

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- No



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 51101

**Title:** MicroRNA-32-5p aggravates intestinal epithelial cell injury of pediatric enteritis induced by Helicobacter pylori

**Reviewer's code:** 02822816

**Position:** Peer Reviewer

**Academic degree:** FRCP (Hon)

**Professional title:** Professor

**Reviewer's country:** Romania

**Author's country:** China

**Reviewer chosen by:** Jie Wang

**Reviewer accepted review:** 2019-09-02 08:43

**Reviewer performed review:** 2019-09-07 12:10

**Review time:** 5 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

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As a gastroenterologist taking care of hundreds of H pylory infected adult patients with gastric cancer, gastric or duodenal ulcer, by none with enteritis(!) it was rather difficult to follow the role of aberrant miR-35-5p in H pylori pediatric enteritis. I have the following comments: 1. Minor There are few grammar/syntax/spelling mistakes that need corrections (e.g. introduction, last paragraph"moreover, the canceration tendency.."). 2. Major Introduction section: second paragraph: has anything to do with H pylori infection in children? If not, the entire paragraph including references 3-8 should be deleted. Method section: too many details regarding cell culture, qRT-PCR, flow cytometry, luciferase assay, Western blot etc. I suggest that many of these could be mentioned as previously described associated with references. Statistical analysis: please, mention if analysis was carried out by a specialist statistician. Results need to be concisely and most of the Figures with their A,B, C, D, E, F G. H, I, J as well as a Table 1 could be deleted, as their presentation in text is enough. Please make clear the novelty of your study , strength and limitations. I regret, that I cannot recommend your manuscript to be published until a complete revision dealing with all the above comments is made.

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

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

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Duplicate publication

Plagiarism

No