

## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6085

**Title:** Helicobacter pylori  $\gamma$ -glutamyl transpeptidase: a formidable virulence factor

**Reviewer code:** 02441737

**Science editor:** Qi, Yuan

**Date sent for review:** 2013-10-01 21:47

**Date reviewed:** 2013-10-15 09:56

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ Y] Grade A (Excellent)	[ Y] Grade A: Priority Publishing	Google Search:	[ Y] Accept
[ ] Grade B (Very good)	[ ] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ] Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[ ] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

## COMMENTS TO AUTHORS

Comments to the review article entitled: Helicobacter pylori  $\gamma$ -glutamyl transpeptidase: a formidable virulence factor, by the authors: LING Samantha Shi Min, et al. It's an interesting article, properly organized and describes, analyzes, and predicts the mechanisms by which Helicobacter pylori enzyme  $\gamma$ -glutamyl transpeptidase (GGT) is implicated in peptic ulcer in the gastric epithelium damage by apoptotic cells, by promotion of inflammation and upregulation of heparin-binding epidermal growth factor-like growth factor. Also described the antiproliferative effects on T cells and the authors presented the potential role of GGT in gastric carcinogenesis. As far as possible it is recommended that the authors develop a table that includes the name of the authors, the year and journal of publication, the methodology used and the results more convincing explaining the mechanisms by which GGT is Implicated in: 1. peptic ulcer 2. in the gastric epithelium damage by apoptotic cells 3. in the promotion of inflammation 4. the mechanism by which GGT, upregulate of heparin-binding epidermal growth factor-like growth factor. 5. the anti-proliferative effects on T cells 6. the potential role of GGT in gastric carcinogenesis

## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6085

**Title:** Helicobacter pylori  $\gamma$ -glutamyl transpeptidase: a formidable virulence factor

**Reviewer code:** 02536349

**Science editor:** Qi, Yuan

**Date sent for review:** 2013-10-01 21:47

**Date reviewed:** 2013-10-24 00:44

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	language polishing	BPG Search:	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

Despite to some contradictory findings, H.pylori GGT seems to be important not only as a virulence, colonization and apoptosis factor but also an important issue in H.pylori vaccination. The only suggestion for this well prepared review may be the abbreviation of this enzyme as HpgGT or HpGGT in order to prevent confusion.

## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6085

**Title:** Helicobacter pylori  $\gamma$ -glutamyl transpeptidase: a formidable virulence factor

**Reviewer code:** 01445931

**Science editor:** Qi, Yuan

**Date sent for review:** 2013-10-01 21:47

**Date reviewed:** 2013-10-24 20:32

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

This paper reviewed the properties and functions of Helicobacter pylori  $\gamma$ -glutamyl transpeptidase (GGT), including the relationship between GGT and colonization, the association between GGT and peptic ulcer disease, the effects of GGT on gastric epithelial cells, and the modulating effect of GGT on the immune system. This work is solid and informative. It would be of interest to WJG readers. I would like to suggest the authors to make a brief comment about the potential applications on clinical practice using this factor.

**ESPS Peer-review Report**

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

**ESPS Manuscript NO:** 6085

**Title:** Helicobacter pylori  $\gamma$ -glutamyl transpeptidase: a formidable virulence factor

**Reviewer code:** 02444931

**Science editor:** Qi, Yuan

**Date sent for review:** 2013-10-01 21:47

**Date reviewed:** 2013-10-28 09:03

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	language polishing	BPG Search:	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

**COMMENTS TO AUTHORS**

Minor point: The authors should summary the difference of GGT from different H.pylori strains or other Gram-negative bacteria.