

## PEER-REVIEW REPORT

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

**Manuscript NO:** 32366

**Title:** (-)-Epigallocatechin-3-Gallate enhances poly I:C-induced interferon- $\lambda$ 1 production and inhibits HCV replication in hepatocytes

**Reviewer's code:** 03468100

**Reviewer's country:** Italy

**Science editor:** Jing Yu (Quit in 2017)

**Date sent for review:** 2017-02-04

**Date reviewed:** 2017-02-19

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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 checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

Submitted paper reported a well detailed investigation of the effect of (-)-Epigallocatechin-3-gallate (EGCG) on poly I:C-triggered intracellular innate immunity against HCV in hepatocytes. They demonstrated that EGCG had the ability to enhance poly I:C-induced innate immune responses in hepatocytes, which contributed to poly I:C-mediated HCV inhibition. Thus, it would be interesting to investigate possible use of EGCG in combination with current antiviral drugs for HCV therapy in the future. The work is clearly presented. All details about cell treatments and biological assays are correctly given. Overall this is a good paper that is suitable for World Journal of Gastroenterology and I only see one minor issue that the authors should revise. There is no statistical analysis reported in gene expression and Elisa experiments. This needs to be added. Minor points: Methods: page 3 ; "And immunostaining was used to examine HCV core protein expression in Huh7 cells" ; please replace with: "Immunostaining was used to examine HCV core protein



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expression in Huh7 cells." Introduction: page 6 line 1: "dramaticlly" ; replace with: dramatically Innovations and breakthroughs: page 14 line 1: "The present study showed that for the first time" ; please write: The present study showed for the first time that Results: page 10 line 7: "we fould" ; please write: we found