

## ESPS PEER REVIEW REPORT

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

**ESPS manuscript NO:** 12956

**Title:** H2S down-regulates severe acute pancreatitis through the PI3K/AKT-NF- $\kappa$ B pathway in vivo

**Reviewer code:** 01489938

**Science editor:** Su-Xin Gou

**Date sent for review:** 2014-07-31 13:14

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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 checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> High priority for publication
<input checked="" 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"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

The paper is important because H2S effects on pancreatitis have not been investigated thoroughly in the Arginine model. The conclusions are supported by the well presented and executed experiments. Minor comments: 1. Abstract - hydorgen sulfide (do not abbreviate, because it is used for the first time in the paper); upregulation is misspelled 2. It would be interesting to analyse the lung of the sacrificed animals (see previous publications with the cerulein model) 3. Ref. 2 is very old, please list other references to highlight the importance of cytokines in SAP. I also wouldn't start a paper with a ref. from 2002, there are more uptodate reviews since. 4. At the end of the intro, SD abbreviation is used (again first time use) 5. the size of the letters is not uniform in the paper (right at the beginning "severe acute", later "military") 6. First paragraph of results: CSE is on Fig 1B not 1A, in case of NaHS the other way around 7. I don't see an arrow in Fig. 2, and plasma IL-6 is on panel C not D