



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 16997

Title: Local corticosterone production and ACE shedding in a mouse model of intestinal inflammation

Reviewer’s code: 03254191

Reviewer’s country: United States

Science editor: Jing Yu

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input 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"/> The same title	<input 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"/> Duplicate publication	<input checked="" type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

Salmenkari et al address the role of corticosterone production and ACE function in modulating intestinal inflammation, using a mouse DSS model of chemically induced IBD. They show that corticosterone and ACE are produced in this model, which could be of interest in vivo. They do not present data regarding the importance of this in vivo - they only use inhibitors in an ex vivo system. The interest in the data would be greatly increased if the investigators used pharmaceutical treatments in their DSS-treated mice to validate the importance of their findings. Also, it is not apparent how many times studies were repeated, and if enough samples were examined. The manuscript would also be improved by addressing the following:

1. The legend to figure 1 should state the number of studies and the number of samples examined. Additionally, figure 1 is not of much utility in general, as the production of inflammation by DSS is well documented.
2. The legend to figure 2 should indicate the number of studies performed.
3. The legend to figure 3 should give a better description of the experiment, and indicate the number of samples examined and the number of times the study was repeated.
4. There is a typo in the text on page 9: "Figure 3E,F"



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should read "Figure 2E,F". 5. There should be an indication of the rationale for the studies using captopril and metyrapone, and some discussion of the meaning of the outcome. 6. The legend to figure 4 needs to indicate the number of experiments performed. Ex vivo studies of this type are often variable, so there should be enough experimental power to validate the results.