



**ESPS PEER REVIEW REPORT**

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

**ESPS manuscript NO:** 12417

**Title:** Time-dependent alteration of UII levels and its effects on pro-inflammatory cytokines TNF- $\alpha$  and IL-1 $\beta$  in the early of LPS/D-GalN challenge in mice

**Reviewer code:** 00157564

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2014-07-08 15:43

**Date reviewed:** 2014-08-11 17:38

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"/> Existing	<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"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

**COMMENTS TO AUTHORS**

The paper investigated the role of urotensin II (UII) in modifying the levels of TNF-alpha and IL-1beta in a well-established model of acute liver failure (ALF). The major finding is the demonstration of the role of UII in initiating the proinflammatory cascade in ALF. The experimental procedure is correctly described, the results are convincingly demonstrated on the Figures. The discussion is, however, somewhat convoluted, I recommend the authors to simplify and shorten the discussion. I would be especially critical with the repetition of the data obtained in the study within the discussion. I have to draw the attention of the authors two apparently minor but still important aspect of their presentation, namely the use of abbreviations and the English of the paper. Both of these aspects might substantially influence the understanding and acceptance of the paper by the readers of the journal. The abbreviations are spelled out in the text, but not in the title and abstract. While I can accept that TNF-alpha and IL-1beta do not require spelling out, I do not think that UII or GalN are such abbreviations that might be considered as common knowledge in medicine. I recommend the authors to define these phrases both in the title and in the abstract. The English of the paper is relatively easy to read; however, there are a number of strange expressions that are either definitely incorrect ("Animals care and treatment were humanity..." line 7 in Materials) or of dubious meaning ("extensive tissues" in the 1st line of Introduction or "to prove the deduction" in the 1st line of the second from the end § of the Discussion). Consequently, I recommend thorough



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revision of the style and grammar of the paper; if possible, with the help of a colleague whose mother tongue is English.



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**Title:** Time-dependent alteration of UII levels and its effects on pro-inflammatory cytokines TNF- $\alpha$  and IL-1 $\beta$  in the early of LPS/D-GalN challenge in mice

**Reviewer code:** 00503401

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2014-07-08 15:43

**Date reviewed:** 2014-07-14 01:53

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 type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<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 checked="" type="checkbox"/> Rejection
<input checked="" 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 manuscript is chaotically organized and is difficult-to-read. Thus, the significance of the research and its possible implication is obscure. Also, the authors do not provide a detailed description of the novel methods used in their experiments, the fact that does not allow other researchers to reproduce or validate the results. The abstract, as well as the manuscript text should be re-organised so that the reader could understand what is UII (explain the abbreviation), its clinical significance, as well as what is the possible clinical implementation of the experiment.

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

**ESPS manuscript NO:** 12417

**Title:** Time-dependent alteration of U II levels and its effects on pro-inflammatory cytokines TNF- $\alpha$  and IL-1 $\beta$  in the early of LPS/D-GalN challenge in mice

**Reviewer code:** 00182114

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2014-07-08 15:43

**Date reviewed:** 2014-08-27 14:48

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 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		BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

### COMMENTS TO AUTHORS

Dear author This is very interesting paper. According to papers, urotensin II(U II) mediates splanchnic vasodilatation, portal hypertension and sodium retention. 1.Ludger leifeld advocate up-regulation of U II may reflect a response to counteract the low arterial blood pressure in acute hepatic failure (Dig Dis Sci 2010,55:1458-1464). How about your opinion? Please explain the mechanism of the up-regulation of U II in acute hepatic failure. 2.Please explain the mechanism of early releases of TNF  $\alpha$  and IL- $\beta$  in acute hepatic failure. 3.According to your paper ,U II special receptor antagonist urantide inhibited degrees of TNF $\alpha$  and IL-1 $\beta$ . Please explain the mechanism "inhibition of U II /UTR system relieves acute inflammation.