

## PEER-REVIEW REPORT

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

**Manuscript NO:** 60924

**Title:** Protective effect and mechanisms of action of Mongolian medicine Sulongga-4 on pyloric-ligation-induced gastroduodenal ulcer in rats

**Reviewer's code:** 00058352

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Professor

**Reviewer's Country/Territory:** Argentina

**Author's Country/Territory:** China

**Manuscript submission date:** 2020-11-20

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2020-11-27 19:33

**Reviewer performed review:** 2020-11-28 10:14

**Review time:** 14 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No





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#### **SPECIFIC COMMENTS TO AUTHORS**

1.Demonstration of therapeutic effects of a Mongolian traditional medicine (Sulongga-4) in peptic- acid disease in rats. 2.Analysis of possible mechanisms involved in the eventual protection by SL4: down regulation of CYP2b2 and UGT2b1 genes in the retinol metabolism and up regulation of A2m and MASP1 genes in the complement and coagulation cascade. 3.A very important future direction is the investigation of these therapeutic effects of SL-4 in the human being.



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**Manuscript NO:** 60924

**Title:** Protective effect and mechanisms of action of Mongolian medicine Sulongga-4 on pyloric-ligation-induced gastroduodenal ulcer in rats

**Reviewer's code:** 00036517

**Position:** Editorial Board

**Academic degree:** AGAF, MD, PhD

**Professional title:** Assistant Professor

**Reviewer's Country/Territory:** Japan

**Author's Country/Territory:** China

**Manuscript submission date:** 2020-11-20

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2020-11-26 06:48

**Reviewer performed review:** 2020-12-02 02:57

**Review time:** 5 Days and 20 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No





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#### **SPECIFIC COMMENTS TO AUTHORS**

Major points 1. I wonder that the results of this manuscript is disjoint and less relevant. I suggest that authors need to add more speculation about relevance of each result in discussion. 2. Authors studied the expression of cytokines. So, I suggest that authors need to add the inflammatory changes of histological findings. Minor point Authors should correct the style of bacterias' name, for example, *Helicobacter pylori*, and should be in italic.



## PEER-REVIEW REPORT

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**Manuscript NO:** 60924

**Title:** Protective effect and mechanisms of action of Mongolian medicine Sulongga-4 on pyloric-ligation-induced gastroduodenal ulcer in rats

**Reviewer's code:** 02445547

**Position:** Associate Editor

**Academic degree:** DNB, FEBS, FICS, FRCS (Gen Surg), MBBS, MNAMS

**Professional title:** Associate Professor, Director, Surgeon, Surgical Oncologist

**Reviewer's Country/Territory:** Singapore

**Author's Country/Territory:** China

**Manuscript submission date:** 2020-11-20

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-11-20 03:56

**Reviewer performed review:** 2020-12-04 05:46

**Review time:** 14 Days and 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



## **SPECIFIC COMMENTS TO AUTHORS**

Dear Authors i have a few minor comments and one major comment. Major comment: With regards to scientific conduct, i want authors to report and include more on study design - Who performed ligation - Is 18 hours adequate to develop ulcers? Did authors observe macroscopic ulcer? I say so as ulcer is a clinical diagnosis and inflammation is a biomarker / lab diagnosis based on blood / histology. - How did you alleviate suffering? How did you perform gastric lavage after surgery? Did veterinary doctor perform all these procedures? What was the dose of intraperitoneal pentobarbital? - In alignment with 3R for animal research - did authors believe small sample would have given the same results? What justification for 12 rats in 1 group? Minor comment: 1. In introduction, you have included so many citations for different statements about peptic ulcer disease. I suggest to delete citations 1,3,6,7 and 8 and they are irrelevant to study and instead include the paper published in sister journal - Chung KT, Shelat VG. Perforated peptic ulcer - an update. World J Gastrointest Surg. 2017 Jan 27;9(1):1-12. doi: 10.4240/wjgs.v9.i1.1. PMID: 28138363; PMCID: PMC5237817. After all the focus is not on NSAIDs and thus omit those citations please. 2. I want authors to discuss these results and compare with other herbs - malaysian herb (Al-Wajeih NS, Hajerezaie M, Noor SM, Halabi MF, Al-Henhena N, Azizan AH, Kamran S, Hassandarvish P, Shwter AN, Karimian H, Ali HM, Abdulla MA. The gastro protective effects of Cibotium barometz hair on ethanol-induced gastric ulcer in Sprague-Dawley rats. BMC Vet Res. 2017 Jan 19;13(1):27. doi: 10.1186/s12917-017-0949-z. PMID: 28103938; PMCID: PMC5244617.), chinese herb (Al-Wajeih NS, Hajerezaie M, Noor SM, Halabi MF, Al-Henhena N, Azizan AH, Kamran S, Hassandarvish P, Shwter AN, Karimian H, Ali HM, Abdulla MA. The gastro protective effects of Cibotium barometz hair on ethanol-induced gastric ulcer in Sprague-Dawley rats. BMC Vet Res. 2017 Jan 19;13(1):27. doi: 10.1186/s12917-017-0949-z.





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PMID: 28103938; PMCID: PMC5244617.), and Indian Ayurvedic herb (Kumar A, Singh V, Chaudhary AK. Gastric antisecretory and antiulcer activities of Cedrus deodara (Roxb.) Loud. in Wistar rats. J Ethnopharmacol. 2011 Mar 24;134(2):294-7. doi: 10.1016/j.jep.2010.12.019. Epub 2010 Dec 21. PMID: 21182918.) 3. Lastly, all basic scientific benchwork must eventually translate to clinical practise. In discussion i dont see that link. I want authors to discuss more about clinical relevance, clinical application and some future direction. After all 60 rats were sacrificed and thus, need to see tangible foreward direction from authors. 4. IACUC and Ethics approval are in mandarin and if possible furnish in english language please.