

## PEER-REVIEW REPORT

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

**Manuscript NO:** 59582

**Title:** Pretreatment with intestinal trefoil factor alleviates stress-induced gastric mucosal damage via Akt signaling

**Reviewer's code:** 03797748

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2020-09-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-10-05 20:55

**Reviewer performed review:** 2020-10-19 21:20

**Review time:** 14 Days

<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 Grade E: Do not publish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 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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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**

In this study, the authors investigated anti-inflammatory profiles of intestinal trefoil factor (trefoil factor 3) in water immersion stress-induced rat gastric ulcer model, and possibly those anti-ulcer profiles of the agents depend on Akt pathways. Although experiments were designed and performed well and the manuscript was written relatively in a straightforward manner, there are minor points to be considered/described by authors, as follows. 1. In Figures 1 and 4, the authors dosed intestinal trefoil factor in rat gastric ulcer model (0.1 mg/kg for 3 days prophylactically). Prophylactic dosing itself is reasonable for this model; however, there is no background data to optimize the dosing regimen of the factor (the dosage and the duration of dosing). The authors have to discuss how they determined the intervention protocol in this ulcer model. 2. As the authors pointed in the introduction section, ITF itself may promote malignant progression via Akt signaling and it could lead to the limitation of the clinical application of it among ulcer patients. The authors should discuss the potential clinical advantages of ITF over conventional anti-ulcer agents such as PPIs and H2 receptor antagonists having a long clinical history and relatively validated safety clinical profiles.

## PEER-REVIEW REPORT

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

**Manuscript NO:** 59582

**Title:** Pretreatment with intestinal trefoil factor alleviates stress-induced gastric mucosal damage via Akt signaling

**Reviewer's code:** 03293832

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Senior Research Fellow

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

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

**Manuscript submission date:** 2020-09-28

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-10-20 01:01

**Reviewer performed review:** 2020-10-25 04:46

**Review time:** 5 Days and 3 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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**

The manuscript describes protective effects of intestinal trefoil factor on stress induced-gastric pathological changes. Although all results are predictable and there is no estimable scientific significance, the contents will be acceptable for publication in WJG if construction and writing are improved as suggested in attached file.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 59582

**Title:** Pretreatment with intestinal trefoil factor alleviates stress-induced gastric mucosal damage via Akt signaling

**Reviewer's code:** 03293832

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Senior Research Fellow

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

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

**Manuscript submission date:** 2020-09-28

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-11-20 02:03

**Reviewer performed review:** 2020-11-25 02:46

**Review time:** 5 Days

<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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<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



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All comments have been addressed.