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7901 Stoneridge Drive, Suite 501,
Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242
Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
Manuscript NO: 38303
Title: Mucosa Repair Mechanisms of Tong-Xie-Yao-Fang Mediated by CRH-R2 in Murine, DSS Induced Colitis
Reviewer's code: 02440884
Reviewer's country: Germany
Science editor: Ya-Juan Ma
Date sent for review: 2018-02-13
Date reviewed: 2018-02-14
Review time: 1 Day

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[ ] Accept
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[Y] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[ ] Minor revision
[ ] Grade E: Poor		[Y] No	[Y] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The experimental study was intended to analyze effects of tong-xie-yao-fang (TXYF) on DSS-colitis in mice. The focus was given on corticotropin-releasing hormone receptor 2 (CRH-R2). In the study, the anti-inflammatory function of CRH-R2 was demonstrated with a CRH-R2 inhibitor Ast2B. In addition, TXYF exerts anti-inflammatory effects via CRH-R2. Comments 1. The statement that CRH-R2 regulates intestinal epithelial migration in DSS-colitis is not sufficiently addressed. Cellular migration should be separately investigated. 2. An increase of intestinal epithelial migration by TXYF is not clearly shown and additional experiments are necessary. 3. Figures 4 and 5: the images are not helpful; higher magnification of positive cells are helpful 4. spelling: CRH-R2 or CRHR2.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
Manuscript NO: 38303
Title: Mucosa Repair Mechanisms of Tong-Xie-Yao-Fang Mediated by CRH-R2 in Murine, DSS Induced Colitis
Reviewer's code: 00068278
Reviewer's country: Turkey
Science editor: Ya-Juan Ma
Date sent for review: 2018-02-13
Date reviewed: 2018-02-25
Review time: 12 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[ ] Accept
[Y] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[Y] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The study is a well designed and conducted one. Although the title of the article is "Mucosa repair mechanisms of Tong-xie-yao-fang mediated by CRH-R2 in murine DSS induced colitis", in the abstract there is insufficient data about the effect of TXYF on mucosal healing and CRH pathway.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
Manuscript NO: 38303
Title: Mucosa Repair Mechanisms of Tong-Xie-Yao-Fang Mediated by CRH-R2 in Murine, DSS Induced Colitis
Reviewer's code: 00058340
Reviewer's country: United States
Science editor: Ya-Juan Ma
Date sent for review: 2018-02-19
Date reviewed: 2018-02-26
Review time: 6 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[ ] Accept
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[Y] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[ ] Minor revision
[ ] Grade E: Poor		[Y] No	[Y] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

Major comments. 1) One of the important mechanisms of experimental ulcerative colitis is endothelial damage and vascular injury which leads to ischemia, hypoxia and necrosis. Blood vessels and microvessels are critical for delivery of oxygen and nutrients and thus essential for. tissue viability. Also, during the healing of ulceration, the regeneration of blood vessels through angiogenesis and vasculogenesis is a critical event, without which reepithelialization and regeneration of epithelial structures could not occur. See reference below. Unfortunately in the introduction and the discussion the authors did not even mention the role of blood vessels in injury and healing process. For them the healing consists of migration, proliferation and regeneration of epithelial cells. Wang SY1 et al. Effects of initiating time and dosage of Panax notoginseng on mucosal microvascular injury in experimental colitis. World J Gastroenterol. 2017 Dec

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21;23(47):8308-8320. doi: 10.3748/wjg.v23.i47.8308. Tolstanova G1,2 et al. Role of Dopamine and D2 Dopamine Receptor in the Pathogenesis of Inflammatory Bowel Disease. Dig Dis Sci. 2015 Oct;60(10):2963-75. doi: 10.1007/s10620-015-3698-5 Tolstanova G1 at al Early endothelial damage and increased colonic vascular permeability in the development of experimental ulcerative colitis in rats and mice. Lab Invest. 2012 Jan;92(1):9-21. doi: 10.1038/labinvest.2011.122 2) In table 2 description is incorrect. Score 1 should be 1/3 of luminal (NOT BASAL), the same for score 2 2/3 of luminal (NOT BASAL). 3) In abstract the abbreviation CRH-R2 should be explained and used uniformly - either CRH-R2 or CRHR2 4) there are numerous linguistic errors