

## PEER-REVIEW REPORT

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

**Manuscript NO:** 50746

**Title:** Yinchenhao decoction attenuates obstructive jaundice-induced liver injury and hepatocyte apoptosis by the suppressing PERK-induced pathway

**Reviewer's code:** 00053659

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor, Surgeon

**Reviewer's country:** Japan

**Author's country:** China

**Reviewer chosen by:** Jin-Zhou Tang

**Reviewer accepted review:** 2019-08-26 08:44

**Reviewer performed review:** 2019-08-26 09:32

**Review time:** 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-223-8242  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

Wu YL et al. reported that YCHD attenuates liver injury and hepatocyte apoptosis. The phenomenon is interesting if they could present the effect to repeat the condition giving dose dependently. The dose escalation experiment should present for convincing what you found was true. Why the TBIL was lower than the DBIL in the Fig 2? Why apoptosis index was increasing even in the sham group?

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

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

**Manuscript NO:** 50746

**Title:** Yinchenhao decoction attenuates obstructive jaundice-induced liver injury and hepatocyte apoptosis by the suppressing PERK-induced pathway

**Reviewer's code:** 00503623

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor

**Reviewer's country:** United States

**Author's country:** China

**Reviewer chosen by:** Jin-Zhou Tang

**Reviewer accepted review:** 2019-09-03 13:52

**Reviewer performed review:** 2019-09-03 15:51

**Review time:** 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

The manuscript, No. 50746, reports on the possible mechanism of traditional Chinese medicine, YCHD, action in attenuation of experimentally-induced obstructive liver jaundice (OJ) and hepatocyte apoptosis. The results obtained with rat model of OJ revealed that serum of YCHD-treated group exerted inhibitory effect on the PERK-CHOP-GADD34 pathway of apoptosis activation, and increased the ratio of Bax/Bcl-2. While, these data clearly suggest the value of YCHD in treatment of OJ, it should be noted, that the mechanism involved in this beneficial effect of the YCHD action remains “mysterious”. Namely, the results of this study do not provide any indication as to the nature of the YCHD-induced serum element responsible for the regulation of gene expression of PERK, Chop, GADD34, Bax and Bcl-2. The manuscript, moreover, requires thorough edition of language and sentence composition.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

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

**Manuscript NO:** 50746

**Title:** Yinchenhao decoction attenuates obstructive jaundice-induced liver injury and hepatocyte apoptosis by the suppressing PERK-induced pathway

**Reviewer's code:** 03976790

**Position:** Editorial Board

**Academic degree:** DSc, PhD

**Professional title:** Full Professor

**Reviewer's country:** France

**Author's country:** China

**Reviewer chosen by:** Jin-Zhou Tang

**Reviewer accepted review:** 2019-08-31 08:35

**Reviewer performed review:** 2019-09-05 09:41

**Review time:** 5 Days and 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

Comments on the manuscript entitled: "Yinchenhao decoction attenuates obstructive jaundice-induced liver injury and hepatocyte apoptosis by suppressing the PERK-induced pathway" Submitted for publication in World Journal of Gastroenterology This manuscript describes several experiments on the effects of a traditional Chinese medicine, Yinchenhao Decoction (YCHD), used as a complementary and alternative treatment to reduce clinical symptoms. The purpose of this study is to know the effects of YCHD on obstructive jaundice at the molecular level. The authors concluded that "OJ-induced liver injury and hepatocyte apoptosis were associated with the activation of the PERK-CHOP-GADD34 pathway and increased Bax/Bcl-2 ratio". The experiment is serious and the results are interesting both for the knowledge of the physiology and pathology of liver and for the clinical aspects. Nevertheless, I have several remarks to make about the manuscript. Methods - Rat model of obstructive jaundice (p. 5): In this part, the authors specify that the surrounding noise is controlled to within 60 dB. It is well known that noise can affect physiology, but this parameter is rarely reported in publications. In this present case, it would be interesting to have an explanation of the importance of this parameter (with a reference if possible). - Animals and treatment (p.6): In a first experiment, the authors use 30 male rats with 10 for control, 10 with liver ligation (OJ), and 10 with OJ + YCHD. In a second experiment, the authors use 30 other male rats: group G1 without ligation, G2 : with ligation, G3 : ligation and YCHD. In this second experiment, the number of animals of each group is not specified. Please, specify. What is the use of this second group compared to the first one? One must wait the paragraph devoted to cell culture to understand the use of the serum of these rats. It is not clear. A table or organigram summarizing the experiments would be very useful to the reader. The study needing experimentation on rats, please, the references of the official agreement authorizing animal experimentation must be given. - Liver function test (p.7): Give the centrifugation speed in number of g - Cell culture of BRL-3A

rat hepatocytes (p.7): Explain clearly the purpose of these culture experiments in the presence of serum: it is not very clear that it is to understand the effect of serum from rats under different conditions on hepatocyte cultures. - Western blotting (p. 8, last sentence): “Experiment” instead “experiments” Results - YCHD attenuates liver tissue injury induced by obstructive jaundice (p. 8): specify group A, B, C like in the figure - page 10: “additionally” instead “additonnaly” Figures - Figure 1: give a scale scale-bar on pictures. On each micrograph of the figure, show the significant details with arrows or captions according to the explanation given in the text. - Figure 4: “levels” instead “levles” References Check the presentation of references accordingly to the instructions to authors. Check the use of capital letters and lowercases.

## INITIAL REVIEW OF THE MANUSCRIPT

### *Google Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

### *BPG Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No