

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 32213

Title: Wall shear stress in portal vein of cirrhotic patients with portal hypertension assessed by computational fluid dynamics

Reviewer's code: 00290396

Reviewer's country: Australia

Science editor: Yuan Qi

Date sent for review: 2016-12-30 15:45

Date reviewed: 2017-01-11 21:19

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

Wei, Pu, Wang, Jiang, Zhou, Li, Zhang, Wei, Chen, Li Wall shear stress in portal vein of cirrhotic patients with portal hypertension assessed by computational fluid dynamics Wei et al. examine the above topic using idealized modelling of fluid dynamics, patient data and related computed tomography in control and cirrhotic portal hypertensive patients. The study is well written, and straightforward. The data suggest that wall shear stress is lower and disturbed flow more likely in cirrhotic subjects over control. As minor issues; 1. p. 6, line 15. Please correct grammar. That is, do not start a sentence with 'And'. At p. 10, line 6, please delete 'remarkable'. 2. Please add 'Figure 1' where referring to the angles at p. 7, line 18. 3. Please delete 'much' at p. 10, line 24, and 'respectively' at line 26; and relate this point to whether the SMV diameter was significantly different or not, between control and cirrhotic. 4. In Table 2, means and range are shown. Please add the related SEM data, as well as where statistical significance occurs between control and cirrhotic (as a reflection of the P value). 5. In a similar manner to 4, above, Table 3 shows 'mean' data only, and thus please add the related SEM data. Is SEM also missing from Tables 4 and 5? Can SEM data also be



BAISHIDENG PUBLISHING GROUP INC

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

<http://www.wjgnet.com>

incorporated into Figures 3, 4, and 5; or this not possible due to this being idealized model data? 6. In the legend to Figure 7, please define the asterisk. 7. Several aspects of the Discussion are excessively verbose and as such, for pages 11-13, the text can be reduced by ~half a page. For example, 'publicly available literature' / 'endothelial cells make up the lumen surface' (and the rest of that sentence) are statements of the obvious and unnecessary. Please replace 'lacuna' with 'gap' (p. 13, line 3; as well as at p. 14, line 20). 8. In the 'Comments' section, p. 13, 2nd last line, please replace 'no research about', with 'sparse research on'.