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E-mail: bpgoffice@wjgnet.com http://www.wjgnet.com

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
ESPS manuscript NO: 24939
Title: Interleukin-22 ameliorates acute severe pancreatitis associated lung injury in mice
Reviewer's code: 00001832
Reviewer's country: Germany
Science editor: Ze-Mao Gong
Date sent for review: 2016-02-17 16:59
Date reviewed: 2016-02-18 21:05

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 manuscript by Ying-Ying Qiao and co-workers examines potential protective effect of exogenous recombinant interleukin-22 (rIL-22) on acute severe pancreatitis (SAP) associated lung injury. The L-arginine model of SAP was utilized. The authors show that recombinant IL-22 protected the mice against L-arginine-induced SAP and associated lung injury by enhancing the expression of anti-apoptosis genes. The study is of potential interest, and the experimental procedures are in general sound and valid. There are, however, several concerns with the present study. ? As the authors state, there have been reports implicating IL-22 in acute pancreatitis – although in different models. This restricts somewhat the novelty of their findings. ? Only one model of AP was utilized, restricting generalizability of their findings. ? To clearly delineate the effects of IL-22 in SAP, GEMMs should be utilized with IL-22 knockout or IL-22 receptor knockout (with the corresponding experiments). ? IL-22 is injected before SAP onset, limiting the clinical applicability of their findings. The authors should at least include some experiments with therapeutic IL-22 application. ? The authors speculate about apoptosis. This could have been easily tested on tissue sections and would have further supported the authors' conclusions. ? Figure 2: why not all time points for the rIL-22

group? Same for figures 3 and 4. These data should be included. ? Figure 5: it is again not clear, why not all time points were analyzed in 5D.

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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
ESPS manuscript NO: 24939
Title: Interleukin-22 ameliorates acute severe pancreatitis associated lung injury in mice
Reviewer's code: 03257934
Reviewer's country: Poland
Science editor: Ze-Mao Gong
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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[Y] 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	[ ] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The publication on the theme " Interleukin-22 ameliorates acute severe pancreatitis associated lung injury in mice" is a very innovative and is indication for further research on the problem of complications of acute pancreatitis. In its current form, manuscript can be intended for publication, without comment.