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

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
ESPS manuscript NO: 31878
Title: Oxidative stress-induced mitochondrial dysfunction in a normal colon epithelial cell line
Reviewer's code: 01199011
Reviewer's country: South Korea
Science editor: Ze-Mao Gong
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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

Oxidative stress-induced mitochondrial dysfunction in a normal colon epithelial cell line. Packiriswamy and colleagues investigated that role of oxidative stress produced by mitochondria can cause colon epithelial cell line CRL1790 cells. They attempted to show how normal human colon cells can react to microbial challenge as well for oxidative stress-induced responses associated with IBD. Scavenging mtROS can overcome mt dysfunction. Conclusion is supported by results and process is logically good. Specific comments follow: 1) Fig1, how was intracellular level of these cytokines? Need to show mRNA data. 2) Combine fig 1 and 2. 3) In fig2, at 6, 12hr, oxidative stress induction fold is different. In case of HKC, it was higher than that of heat killed Ecoli, but at 12h, it is lower. Please discuss. Like issue of fig2, in fig3CD, similar thing happened. 4) To clarify, marked treat time for HKC or Ecoli somewhere in FigE,F. 5) Please check mitochondrial complex level after treatment of microbial stimulation.