

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 34743

Title: Intestinal precocious maturation can be induced in T-cell deficient athymic neonatal rats

Reviewer's code: 00503062

Reviewer's country: Japan

Science editor: Yuan Qi

Date sent for review: 2017-06-07

Date reviewed: 2017-06-12

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 type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

The manuscript by Arévalo Sureda et al. examined gut maturation in T-cell deficient athymic neonatal rat model. The manuscript is basically well written and interesting. But, the results are interesting but a little confusing. There is room to be improved in the manuscript. Major comments: 1. Nurturing by conventional dams increased their macromolecular absorptive capacity (BSA) and passive immunity (IgG transfer). This result indicates that nurturing by conventional dams delays gut growth and maturation, doesn't it? What causes this phenomenon? 2. In Table 1, authors showed that one PHA or protease treatment are more effective for gut maturation than three times treatments. Discuss the reason. Minor comments: Page 2, line 57. "was" reads "were". Page 6, line 153. Check the font for "centigrade degree". Page 8, lines 225, 233, 235, 248. Description of these p values should use "=" instead of "≤". Page 9, line 259. "villous" reads "villus". Page 9, line 271. "villous" reads "villi". Page 11, line 331. "dependent" reads "depend". Pages 11-15. References. Follow the author instruction for References format. Table 1.

Page 16, line 437. "treatments" reads "treated groups". Page 16, line 439. Remove description for §§, §§§, §§§§. Figures caption. Titles for Figure 1, 2, 3 seem to be too long. The detailed description should be in the legend text, not in the title. Figures of pages 18, 23 are redundant. Remove them. Figure 1. Adult-type epithelium portion was indicated with white bars in the figure. But, the morphological difference between adult-type epithelium and immature epithelium is hard to see in the figure. The high-power picture of the portion will be helpful.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 34743

Title: Intestinal precocious maturation can be induced in T-cell deficient athymic neonatal rats

Reviewer's code: 00502973

Reviewer's country: China

Science editor: Yuan Qi

Date sent for review: 2017-06-07

Date reviewed: 2017-06-27

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 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 checked="" 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

In the current manuscript, the authors reported that athymic (nude) rats gut maturation could be induced by enteral provocation of PHA and trypsin, and independence from thymus-derived T-cells. This is interesting and would gain our knowledge on intestinal maturation. The study was well designed and the manuscript was well organized. It is preferred to determine the disaccharidase activity of the small intestine for better denoting the gut maturation. A typo was present in the 7th paragraph of the Discussion section "simultaneously".