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Telephone: +1-925-223-8242
Fax: +1-925-223-8243
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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46231

Title: Interleukin-22 receptor 1 is expressed in multinucleated giant cells: A study on intestinal tuberculosis and Crohn's disease

Reviewer's code: 00036906

Reviewer's country: Greece

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-03-12 08:47

Reviewer performed review: 2019-03-19 16:20

Review time: 7 Days and 7 Hours

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[ ] Grade E: Do not publish		[ ] Rejection	[ ] Advanced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

SPECIFIC COMMENTS TO AUTHORS

The present study entitled "Interleukin-22 receptor 1 is expressed in multinucleated giant cells: a study on Intestinal Tuberculosis and Crohn's disease" aims at investigating the specific SNPs in the IL-23/IL-17 axis and the possible pathways that affect

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susceptibility to intestinal tuberculosis and Crohn's disease. Overall this manuscript is conceivable and well written. This study provides advantageous information about the genetic background related to crucial immune pathways which affect Intestinal Tuberculosis and Crohn's disease. Although this study is of high clinical importance there are some points which should be addressed. Abstract is particularly extensive and exceeds the limit of 260 words. In the Introduction section consider adding a figure about the IL-23/IL-17 axis, which will represent the network of genes and cells that are involved. In the Methods section there is no information about paraffin processing of tissue. Abbreviations FFPE and EP are not fully described. In immunohistochemistry technique, you could state the nature of the immunohistochemical positive and negative control that was performed and the microtome which was used for cutting sections. Also there is no clear justification for the use of biopsy specimens of colon polyps and colon cancer. In table 1 abbreviations WBC, Hb, T-SPOT, 5-ASA are not fully described In table 2 consider adding the title "Groups" to the column which include the terms HC, ITB, CD. In the Discussion section there is extensive reference to function and immune pathway of IL22, which could be added in Introduction section. Moreover you should add more information about IL-22/IL-22R1 axis in CD. A more clear and detailed report of how the results of your previous studies in TB (regarding with IL22, IL1β, IL6 and other loci within the IL-23/IL-17 axis) are related to the this study data is needed.

INITIAL REVIEW OF THE MANUSCRIPT

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[Y] No

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