ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
ESPS manuscript NO: 22469
Title: Relationship between indoleamine 2,3-dioxygenase activity and lymphatic invasion propensity of colorectal carcinoma
Reviewer's code: 00057665
Reviewer's country: Spain
Science editor: Ze-Mao Gong
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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[Y] Grade A: Excellent	[Y] Grade A: Priority publishing	Google Search:	[Y] Accept
[ ] Grade B: Very good	[ ] 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
Impossible to download the manuscript

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		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

This is an interesting study, a lot of work behind many thanks for authors. However there are some major corrections needed to improve the manuscript these are mentioned below: Abstract: [1] The abstract is somewhat extensive..it can be summarized especially at material and methods   This is example: Authors:" The tumor tissues of study group were histopathologically re-examined for tumor grade, pathological stage, lymph node status, the presence of peri-intratumoral lymphocytic infiltrate and lymphatic invasion. The specimens were stained for semi-quantitative estimation of indoleamine-2,3-dioxygenase reactivity by immunohistochemistry. The total indoleamine-2,3-dioxygenase immunostaining score was calculated as the sum of the proportion score and the intensity score. Reviewer: This can be summarized as follow: Tissue sections from the studied tumors were re-examined histopathologically and were stained by immunohistochemistry with indoleamine-2,3-dioxygenase antibodies" All other details are not needed in the abstract..reader can find it in the material and methods [2] " compared to the control group" …this is repeated in the abstract. It can be removed..it is understood when authors say "xxxx is higher in cancer patients" that

this is in comparison with control group. Introduction [1] page, 2nd paragraph line 11 Authors: " with lowered serum concentrations of Trp and increased Kyn" Comments: Although Kyn mentioned in abstract it should be written again here so that the reader knows what Kyn abbreviation stands for . [2]There is extensive explanation for the prediction of LN metastasis and other general points in the introduction..all this can be much summarized. There is no enough information about Trp and Kyn and the IDO ….The whole manuscript is about IDO, please add some more information about its function, role in tissues in health and disease…..there is lack of information for ALL metabolites examined in the study Material and methods: [1]Page 8 , 3rd paragraph line 8:" fever" replaced with "fewer" Results [1] page 12 , 2nd paragraph, line 20 : " Evaluation of serum pteridin" Comment : this is the first time in the manuscript to mention "pteridin"…it should have been covered in the introduction…what is "pteridin" what is its relationship to other metabolitis examined in the study..what is the importance to evaluate it? [2] Page 12, lines 22 and 23 " displayed serum IDO activities were strongly predictive for lymphatic invasion (Table 2" Comment: This statement in not right , please see last comments in conclusion Figures: [1] Generally in all figures: ? Nice figures and present well the findings of the study ?Magnification should be mentioned in the legends ? Arrows should be added [2] legend of figure 2 " Semi-quantitative indoleamine-2,3-dioxygenase (IDO) immunostaining. Brown stained cells: IDO expressing stained cells. Blue, unstained cells: Tumor cells " Comment : this is not scientifically proper legend...can be corrceted like this " A tissue section of colorectal carcinoma stained with antibodies against IDO. Tumour cells show strong positive staining whicle normal mucosa show negative or very weak staining . magnification xxxxxx" [3] figures 1 and 2 are repeated as figures 3c-1 and 3C-2… Comment: these is no need for this repetition, please remove figures 1 and 2…the other figures are nice and show all data Discussion : [1]: first paragraph is not understood…it need rewriting to make it clearer….what is exactly the relationship between [2] The discussion in general is hard to follow…the flow of ideas needs revision, more linking of ideas and some more clarification .. Conclusion Authors" "As a conclusion, these evidences coupled with our data showed that high total IDO immunostaining score is a strong predictor for immune tolerance, lymphatic invasion and subsequent lymph node metastasis" Comment : the word" predictors"