



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
ESPS manuscript NO: 28741
Title: TG2016-07-16 20:28 expression in benign, preneoplastic and neoplastic lesions of Barrett's esophagus: Case series and findings
Reviewer's code: 03488034
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Science editor: Yuan Qi
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Table with 4 columns: CLASSIFICATION, LANGUAGE EVALUATION, SCIENTIFIC MISCONDUCT, CONCLUSION. It contains checkboxes for various review criteria like 'Grade A: Excellent', 'Priority publishing', 'Google Search', 'Accept', etc.

COMMENTS TO AUTHORS

The article is of tremendous importance in high light lighting the differential expression of TGR5 across different developmental stages of adenocarcinoma of esophagus. I have a few minor comments: 1. I suggest the IHC results be substantiated by qPCR after extraction of RNA from the specimen. 2. The results show that the expression of the TGR5 is associated with development of adenocarcinoma and unlike involved in its progression (as same across different stages). THis needs to be highlighted in Abstract and discussion. If supported by subsequent studies will be an interesting finding from the current study. 3. The sentence "Barrett's esophagus was made by both histologically and endoscopically."..... in section 2.1 seems incomplete 4. A para needs to be added in introduction to demonstrate role of the RGT5 in carcinogenesis citing latest findings. 6. Discussion needs a serious redrafting. It seems reads reaches again to introduction or results section. No needs to repeat the stuff. The findings - a) differential expression across different developmental grades-b) no significant changes across grades and stages, need a biological explanation. How the increased expression of RGT5 help a cell to move from normal to a malignant stage?. This needs to be



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discussed in context of available literature. What we can infer from no changes in expression of the gene/protein across different grades/stages needs to be discussed. Do we have evidence to suggest RGT5 a markes of development rather a markers progression in Adenocarcinoma of esophagus, needs to be discussed in the discussion.