Reviewer’s report

Title: Histological, immunohistochemical and mRNA gene expression responses in coeliac disease patients challenged with gluten using PAXgene fixed paraffin-embedded duodenal biopsies

Version: 0 Date: 26 Aug 2019

Reviewer: Rizwan Ahamed

Reviewer's report:

I commend the authors for the detailed assessment of morphometric measurements of mucosal changes in coeliac patients. May I request clearing of a few queries?

1. Was assessment done for whether the patients developed any clinical symptoms following gluten challenge as it is well reported that they can occur as early as two weeks?

2. I would like to know if serial measurements of antibodies like IgA antigliadin antibodies or IgA ttg antibodies were done subsequent to gluten challenge. If so, could there be any correlation between antibody titres and morphometric measures on biopsy.

3. Was it possible to discern a cut off value for any morphometric parameter subsequent to gluten challenge that makes it significant?

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Yes
I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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