

Manuscript Number: 15435

Manuscript Title: Quantitative Image Analysis of Celiac Disease

We thank the reviewers and editor for their kind help in improving the quality of the manuscript.

Reviewer 1

Is it a beginning for automated diagnosis of CD? The Quantitative Image Analysis of Celiac Disease is, in my opinion, a gripping blend of this project. In this Editorial, Authors nicely compiled their previous experiments in comparing Video Capsule Endoscopy and histopathology findings in CD progressively. In addition to be a single center experience, lack of cases in each study has been limited the results. Another important problem is the villous atrophy due to another disease that needs another descriptions.

We thank the reviewer and now devote a paragraph to automated diagnosis of celiac disease (p8). We also include a limitations section (p9) that mentions lack of cases in current studies.

Reviewer 2

Overall an excellent review into an up and coming area. I have a few points The authors talk about capsule endoscopy and computed evaluation of capsule images. It is not clear from the manuscript which of the cited studies are looking into capsule images and which are analysing conventional endoscopic images. We need to make sure this distinction is clear. The authors haven't discussed the problems of confirming apparent villous atrophy changes on capsule endoscopy - ie not reached with standard endoscopy. The authors could briefly discuss the use of enhanced endoscopy - NBI, I-scan, magnification and the like.

We thank the reviewer and now note which of studies include standard versus videocapsule endoscopy data. We include in the limitation section the problem of confirming videocapsule quantitative analysis (p9). Also, enhanced endoscopic methods are briefly discussed (p8).

Reviewer 3

Very interesting discussion on currently used quantitative techniques and suggestions on directions for improving such techniques.

We thank the reviewer for these comments.

Reviewer 4

This is an excellent review paper about the actual and future methods and possibilities to take measurements of the intestinal lesions in CD patients. Congratulations for their broad description

We thank the reviewer for these comments.