

Dear Editor-in-Chief, Science-Editor and Peer-Reviewers,

Thank you for assessing our manuscript and for the constructive comments made in your review notes and decision. Your suggestions have been addressed on a point-by-point basis and changes have been made accordingly, which are highlighted throughout the manuscript.

*Reviewer comment*

*However, It is suggested that the authors present the accuracy of this method obtained by previous researchers in the form of a forest map. In addition, the abbreviation that first appears should show the full name.*

*Authors' reply*

Thank you for pointing out the issue of abbreviations on the first appearance in text. In the revised form of our manuscript, we have found two such errors, in the abstract and core tip, which were corrected. Regarding the presentation of results in the form of a forest plot, the few studies on the topic are very heterogenous with regard to artificial intelligence technique used and creating such a plot is not feasible.

*Reviewer comment*

*Manuscript Number: 57994 Title: Digital histology in celiac disease – a practice changer There is no doubt that artificial intelligence plays an increasingly indispensable role in the field of medicine and can further improve the development of medicine. The authors analyzed and evaluated the role of artificial intelligence in the diagnosis of intestinal diseases, using celiac disease as an example. By analyzing published findings, the authors conclude that computer-assisted histology can significantly improve the assessment of mucosal architectural injury and inflammation in celiac disease patients, both for diagnosis and follow-up. However, as an editorial, the author should list the latest achievements in the application of artificial intelligence in the diagnosis of intestinal diseases. After all, the research of artificial intelligence in disease diagnosis has mushroomed and is in a stage of rapid development. In addition to analyzing the quasi-determination of artificial intelligence in disease diagnosis, the author should also point out the problems in the current application of artificial intelligence, so as to provide some references for the clinical application of artificial intelligence.*

*Authors' reply*

Thank you for your suggestions. In the revised version of the manuscript, we have added a paragraph about the application of AI in diagnosis of intestinal diseases and also discussed the issues of current applications of AI, with focus on celiac disease.

With respect to reference formatting, we've added PMID and DOI numbers in the reference list.

Thank you again for all your comments, which were appreciated and taken into account for this revised, improved version of our manuscript.

Best regards,

Daniel Vasile Balaban

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