PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 65091

Title: Optical diagnosis of colorectal polyps using convolutional neural networks

Reviewer's code: 05227716

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: United Kingdom

Manuscript submission date: 2021-02-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-06 18:49

Reviewer performed review: 2021-03-08 17:55

Review time: 1 Day and 23 Hours

Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[Y] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Machine learning techniques are classified as unsupervised or supervised techniques. Unsupervised learning is when input and output data are not matched. In this study, the architecture of the network, including the polyp (input data) and the histology (output data) of the polyp, was determined using a controlled Machine learning model for diagnosis. It has been concluded that CNN models, which are one of the machine learning methods, can be an important auxiliary method and can be used in the optical diagnosis of polyps.