

PEER-REVIEW REPORT

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SPECIFIC COMMENTS TO AUTHORS

Artificial intelligence on early detection of colorectal cancer: a comprehensive review on its advantages and misconceptions Viscaino et al., This is a very detailed and well written review on this interesting and important topic. I have 2 comments for the authors. 1. Table 3 mentions white light and NBI - but otherwise there is no mention of developments in contrast imaging/ Chromoscopy - could they authors comment on quality of imaging and how this might help with detection of flat polyps - alongside AI developments 2."The latter is particularly important because it allows the clinician to differentiate between a benign, pre-malignant and malignant polyp to decide whether it requires removal or not." At the moment - though you can have suspicions about polyps - you can only confirm if they are malignant once they are removed and pathology performed. It would be a goal to be able to do this and have AI to help with this diagnosis in real time - but if the authors could just clarify we are not at this point yet - this is the aspiration.