

REVIEWER 03662955

This is a well-written paper which reviewed the advanced detection, follow-up and managements of dysplasia and addresses the importance of using new endoscopy techniques for screening CRC or IBD. It helps readers to better handle the dysplasia in CRC or IBD. The new endoscopy techniques are attractive and worth further exploration. It will be nicer if a table for summary and comparison of the different detection methods can be added.

REPLY:

Thank you very much for your comments and suggestions. We have added a summary table. Table 4. Summary of endoscopic detection techniques.

REVIEWER 05045708

Thank you for detailed approach on colorectal cancer in IBD patients, I would advise only giving information about approach on pseudopolyps in active disease and remission disease which might be confounded about colorectal cancer development in the manuscript text Best Regards,

REPLY:

Thank you for your comments.

REVIEWER 05419337

The manuscript entitled "Colorectal cancer screening and surveillance in patients with inflammatory bowel disease in 2021" proposed a useful approach to get insight into detection, follow-up, and management of dysplasia in patients with IBD, including confocal laser endomicroscopy and full-spectrum endoscopy. Overall, the review is quite interesting and meaningful. Hence, I suggested this manuscript can be accepted.

REPLY:

Thank you for your kind comments.

REVIEWER 01589311

This is a review paper by Huguet and collaborators on colorectal cancer screening and surveillance with focus on patients with inflammatory bowel disease (IBD). Although the subject is not entirely new, and has been the objective of several previous similar publications, the authors perform a wide and updated review with an interesting approach especially in the session "Summary of our recommendations". As special and new points, the authors call the attention to developments in the detection, follow-up, and management of dysplasia, and shed light on future progress in the field. Minor point: Please check the reference list. It seems that they are some repeated publications (such as 23, 30, and 56).

REPLY:

Thank you for your comments. The oversight affecting the references has now been addressed.

REVIEWER 02941507

Surveillance strategies in patients with inflammatory bowel disease are still a matter of discussion internationally. As a consequence, reviews concerning the up-to-date data are always useful in the everyday's clinical practice. The review by Huguet et al is a well-written one dealing with almost all aspects of the current surveillance programs. However, some recommendations and suggestions are listed below. • Please cite some data concerning the cost of the individual prevention strategies • Please mention strategies in case of large number of polyps found in surveillance endoscopy • Please mention the kind of endoscopic surveillance in cases of serrated epithelial change. (Inflamm Bowel Dis. 2020 Dec 9;:iaa312. doi: 10.1093/ibd/iaa312. PMID: 33295614). • Could patients with high risk characteristics benefit from continuing the practice of random biopsies during surveillance examinations? Please address this topic. (Inflamm Bowel Dis. 2020 Aug 19;:iaa205. doi: 10.1093/ibd/iaa205. Epub ahead of print. PMID: 32812048). • Comparisons between dye chromoendoscopy and high-definition White-light endoscopy gave opposite results. Please mention these differences and give recommendations. (Int J Colorectal Dis. 2020;35(12):2301-2307. doi: 10.1007/s00384-020-03719-3. PMID: 32812090.) and (Endosc Int Open. 2020 May;8(5):E578-E590. doi: 10.1055/a-1120-8376. PMID: 32355874; PMCID: PMC7174005). • Please mention data concerning interobserver agreement (Tech Coloproctol. 2021;25(1):101-108. doi: 10.1007/s10151-020-02349-9. PMID: 33025294). • Please mention data concerning colon endoscopy capsule (Dig Endosc. 2020 Jun 16. doi: 10.1111/den.13769. PMID: 32542702). • According to some data, surveillance pouchoscopy is not recommended in asymptomatic patients because significant neoplasia following IPAA for ulcerative colitis is rare. Please further clarify this matter. (Br J Surg. 2020;107(13):1826-1831. doi: 10.1002/bjs.11811. PMID: 32687623). • Use of

Endocytoscopy for Ulcerative Colitis Surveillance (Gastroenterology. 2020 ;158(6):e1-e2. doi: 10.1053/j.gastro.2019.11.018. PMID: 31738921). • Please mention some recent references (J Clin Med. 2020;9:2286. doi: 10.3390/jcm9072286. PMID: 32708456; PMCID: PMC7408776)

REPLY:

Thank you very much for these suggestions on how to improve our manuscript. We have taken them all into account and feel that they will considerably improve our study.