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Summary

MUCINOUS AND SIGNET-RING COLORECTAL ADENOCARCINOMA IN INFLAMMATORY BOWEL DISEASE: A CASE-CONTROL STUDY

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IBD

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A retrospective matched case-control study found mucinous and signet-ring colorectal adenocarcinoma occurred significantly more frequently in IBD patients compared to non-IBD controls, with a higher frequency of rectal involvement in these histotypes within the IBD group.

KEY POINTS

- Among 120 patients with colorectal adenocarcinoma (40 IBD, 80 non-IBD controls matched for age), mucinous or signet-ring histology occurred in 42.5% of IBD patients versus 22.5% of controls (p=0.03).
- Within IBD patients, rectal localization was significantly more frequent in mucinous or signet-ring CRC compared to standard adenocarcinoma (47.1% versus 17.4%, p=0.04).
- No IBD-related risk factors for mucinous or signet-ring CRC were identified at univariate analysis, and CRC stage at diagnosis was comparable between histological subtypes.
- The study enrolled IBD patients with CRC from January 2002 to January 2023, including 60% with ulcerative colitis and 40% with Crohn's disease.

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