

crohn's colitis

Name of Clinical Care Pathway

Colonic Dysplasia/Cancer Surveillance

Objective

Early detection of colon cancer/dysplasia

Patient Population

Patients with a known diagnosis of IBD whose disease is in endoscopic remission. Active inflammation precludes a detailed assessment of colonic dysplasia.

Dr. Sanjay Murthy MD, MSc (Epid), FRCPC (University of Ottawa & The Ottawa Hospital IBD Centre)
Dr. Irina Nistor NP-Adult, MN, PhD (Mount Sinai Hospital & Crohn's and Colitis Canada)

Highlight Box

The applicability of some suggested recommendations in these guidelines may be impacted by the IBD practitioners' access to recommended resources (colonic dye spray / virtual chromoendoscopy).

Introduction

This care protocol aims to provide IBD providers guidelines for colonic dysplasia/cancer surveillance based on patients' risk.

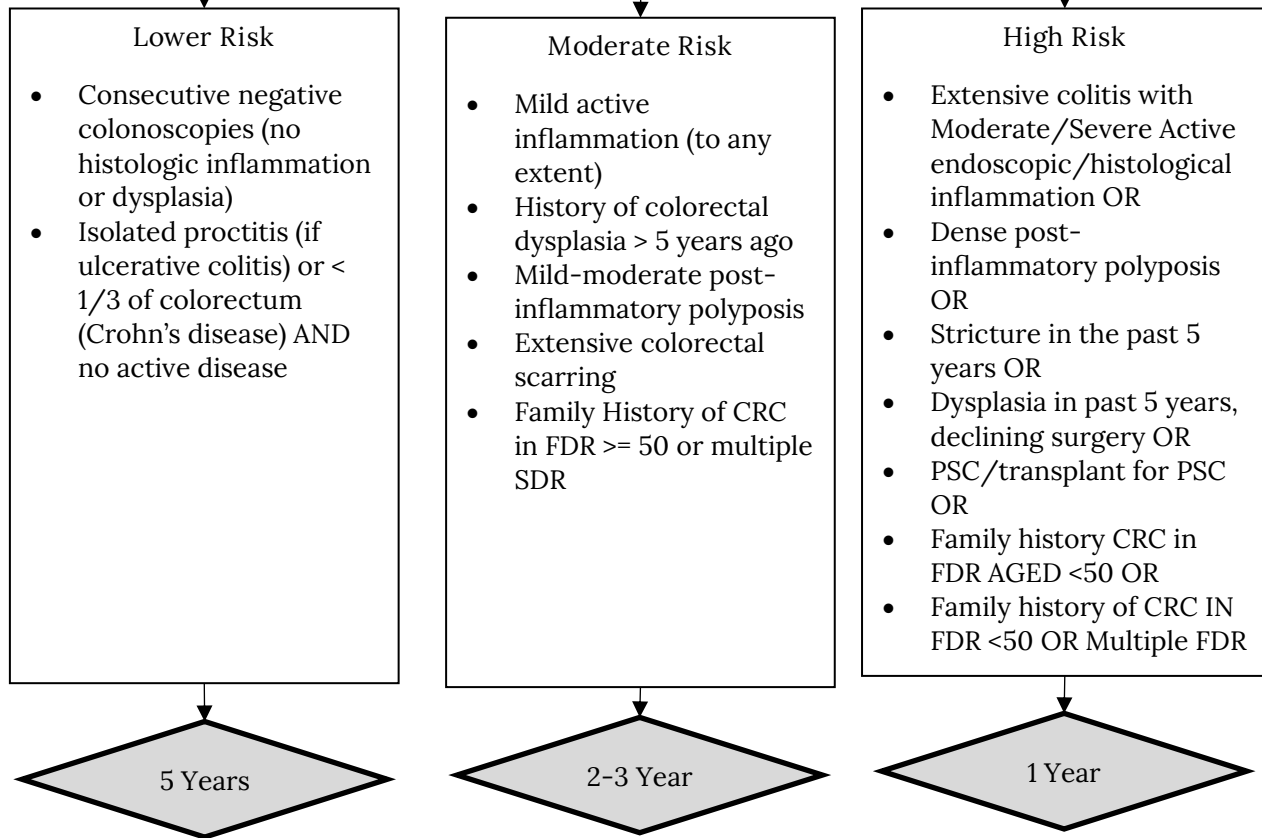
IBD Provider

Patient Populations	Recommendation
Ulcerative colitis extending beyond the rectum or Crohn's colitis involving 1/3 or more of the colon, has had disease for at least 8 years	Surveillance colonoscopy recommended, frequency according to risk (see Figure 1) (PACE QPI 11)
Ulcerative colitis or Crohn's colitis (of any duration) <u>and</u> has coexisting primary sclerosing cholangitis (PSC)	Annual surveillance colonoscopy (PACE QPI 10)
Ulcerative colitis or Crohn's colitis has confirmed dysplasia in flat mucosa	Early repeat colonoscopic surveillance using pancolonial dye spray or virtual chromoendoscopy (interval depending on dysplasia risk). Consider surgical referral in very high-risk cases (i.e. high-grade dysplasia or multi-focal dysplasia) (PACE QPI 19)
Ulcerative colitis or Crohn's colitis has confirmed visible dysplasia	Continued endoscopic surveillance if confirmed complete endoscopic resection and no invasive cancer on histology (interval depending on dysplasia risk); otherwise, surgical referral
Total proctocolectomy with an ileal pouch-anal anastomosis (IPAA)	Surveillance endoscopy according to risk (see Figure 2)

crohn's colitis

IBD with a subtotal colectomy	Consider surgical referral for a completion proctectomy as an alternative to ongoing endoscopic dysplasia surveillance; otherwise, endoscopic surveillance every 1- 5 years, depending on risk factors for colorectal cancer (See Figure 1). (PACE QPI 8)
-------------------------------	---

Screening Colonoscopy at 10 Years
(Preferably in remission, Pancolonic dye-spray*)



Screening/Surveillance Protocol
Pancolonic dye spray (if available) or virtual (NBI, iscan) chromoendoscopy with targeted biopsies/resection of visible abnormalities or high-definition white light colonoscopy with targeted biopsies/resection of visible abnormalities and extensive non-targeted biopsies throughout the colorectum (recommended 30-40)

Other Considerations: Patient preference, multiple post-inflammatory polyps, age and comorbidity, accuracy, and completeness of examination

*If Available CRC-Colorectal Cancer FDR-First Degree Relative PSC-Primary sclerosing Cholangitis

Figure 1: Surveillance recommendations for colonoscopy

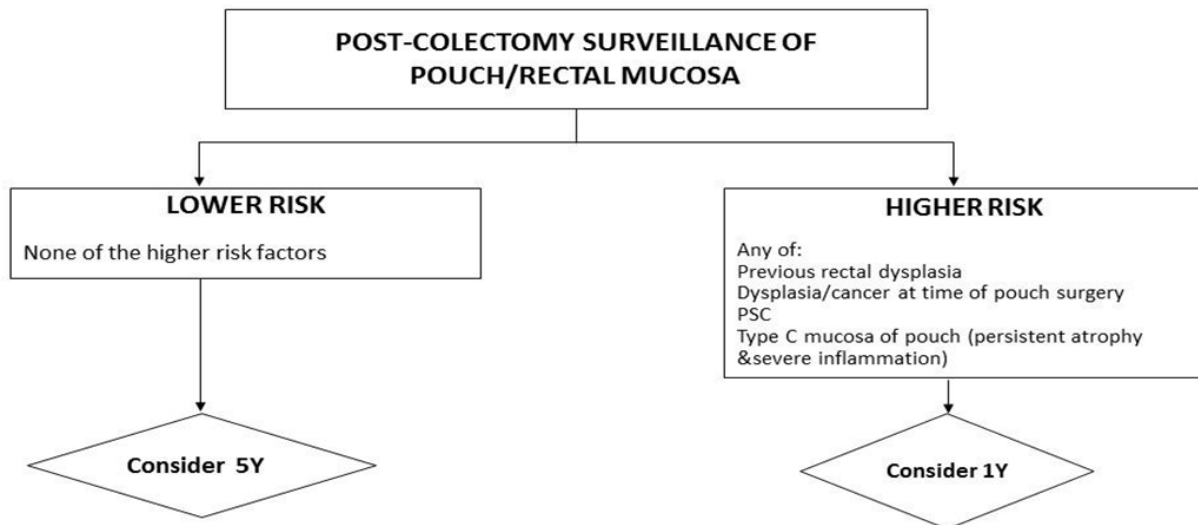


Figure 2: Surveillance recommendations post-colectomy

References

Bisschops R, East JE, Hassan C, et al. Advanced imaging for detection and differentiation of colorectal neoplasia: European Society of Gastrointestinal Endoscopy (ESGE) Guideline - Update 2019. *Endoscopy*. 12 2019;51(12):1155-1179. <https://doi.org/10.1055/a-1031-7657>

Cairns SR et al. Guidelines for colorectal cancer screening and surveillance in moderate and high-risk groups (update from 2002). *Gut* 2010;59:666-89. <https://doi.org/10.1136/gut.2009.179804>

Feakins RM. Inflammatory bowel disease biopsies: updated British Society of Gastroenterology reporting guidelines. *Journal of Clinical Pathology* 2013; 66(12):1005-26. <https://doi.org/10.1136/jclinpath-2013-201885>

Lamb et al. British Society of Gastroenterology consensus guidelines on the management of inflammatory bowel disease in adults. *Gut* 2019; 68:s1-s106. <https://doi.org/10.1136/gutjnl-2019-318484>

Magro F, Gionchetti P, Eliakim R, et al. Third European Evidence-based Consensus on Diagnosis and Management of Ulcerative Colitis. Part 1: Definitions, Diagnosis, Extra-intestinal Manifestations, Pregnancy, Cancer Surveillance, Surgery, and Ileo-anal Pouch Disorders. *J Crohns Colitis*. Jun 2017;11(6):649-670. doi:10.1093/ecco-jcc/jjx008 <https://doi.org/10.1093/ecco-jcc/jjx008>

Murthy SK, Feuerstein JD, Nguyen GC, Velayos FS. AGA Clinical Practice Update on Endoscopic Surveillance and Management of Colorectal Dysplasia in Inflammatory Bowel Diseases: Expert Review. *Gastroenterology*. 09 2021;161(3):1043-1051.e4. <https://doi.org/10.1053/j.gastro.2021.05.063>