

CHROMOCOLONOSCOPY WITH MICROENCAPSULATED PATENT BLUE V - AN EFFECTIVE OPTION FOR COLONIC MUCOSAL STAINING

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UEG Week Copenhagen 2023

Poster

Colorectal

October 15, 2023

A case series of 37 patients demonstrates that oral patent blue V microcapsules designed for pH-dependent ileal release produce even colonic mucosal staining for chromocolonoscopy, achieving polyp detection rates of approximately 64% and adenoma detection rates of 56%.

KEY POINTS

- Patients self-administered four capsules containing 100 mg patent blue V in shellac microcapsules during bowel preparation, at least 5 hours before colonoscopy.
- Best staining quality was observed between the cecum and sigmoid (3.3 to 3.6 points on a 0 to 4 scale), with acceptable staining in the terminal ileum and rectum; no staining or overstaining was reported.
- Upper gastrointestinal mucosa remained unstained in 20 patients who underwent same-day gastroscopy, confirming delayed colonic release.
- Staining quality was rated equivalent to conventional dye-spraying chromocolonoscopy, with reported advantages of clean equipment and reduced procedure time.
- The authors conclude that a randomized study with delayed-release patent blue V is warranted following this proof-of-concept case series.

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