

CAP CUFF ENHANCED COLONOSCOPY: DOES IT IMPROVE POLYP DETECTION AND MAKE RETROFLEXION UNNECESSARY?

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Poster

Colorectal

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A non-randomized trial of 375 participants found that Cap cuff-enhanced colonoscopy had significantly lower colonic polyp detection rates compared to standard colonoscopy and that Cap cuff direct visualization was inferior to retroflexion for rectal examination.

KEY POINTS

- Overall colonic polyp detection rate was 72.2% with Cap cuff-enhanced colonoscopy versus 88.7% with standard colonoscopy in retrospective controls ($p < 0.01$), with lower detection rates observed across all age groups.
- For rectal hemorrhoid detection, Cap cuff-enhanced retroflexion detected 89.9% versus only 1.3% with Cap cuff direct visualization alone ($p < 0.01$), indicating retroflexion remains necessary despite use of the Cap cuff device.
- All four participating gastroenterologists had clinically lower overall polyp detection rates when using the Cap cuff device compared to their standard colonoscopy controls.
- The procedure was well tolerated by 94.7% of participants with no adverse events associated with Cap cuff usage during the study period.
- This material would be relevant to gastroenterologists and endoscopists evaluating endoscopic enhancement devices for colorectal cancer screening and surveillance programs.

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