USEFULNESS OF ENDOSCOPE INSERTION USING THE GEL IMMERSION METHOD FOR ENDOSCOPIC COLONIC STENTING

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A pilot study of eight patients found that the gel immersion method using endoscopic view-securing gel achieved 100% lesion reach and stent deployment success rates without adverse events in endoscopic colonic stenting.

KEY POINTS

- The gel immersion method allowed colonoscope insertion to obstructive lesions without insufflation in all eight patients, achieving 100% endoscopic lesion reach rate and no worsening of intestinal dilatation
- Technical and clinical success rates for self-expandable metal stent deployment were both 100%, with mean scope insertion time of 9.8 minutes and total procedure time of 27.3 minutes
- No adverse events occurred in any of the eight patients treated between May 2022 and January 2023
- The study addressed the third mechanism of perforation in colonic stenting—increased intestinal pressure from air insufflation—which the authors note remains a concern requiring countermeasures
- The authors conclude the gel immersion method could be performed safely and effectively and has potential to become a standard approach for endoscopic colonic stenting

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