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Summary

COMPARISON OF UNDERWATER AND CONVENTIONAL ENDOSCOPIC MUCOSAL RESECTION FOR COLORECTAL POLYPS LESS THAN 10 MM: A PROPENSITY SCORE MATCHING ANALYSIS

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Colorectal

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A retrospective propensity-matched study of 505 colorectal polyps smaller than 10 mm found comparable en bloc and R0 resection rates between underwater endoscopic mucosal resection and conventional endoscopic mucosal resection.

KEY POINTS

- After propensity score matching for operator experience, tumour characteristics, and location, 253 polyps were resected with underwater EMR and 252 with conventional EMR.
- En bloc resection rates were 96.0 percent for underwater EMR versus 97.6 percent for conventional EMR, with no statistically significant difference between groups.
- R0 resection rates were 84.2 percent for underwater EMR versus 80.6 percent for conventional EMR, also not statistically significantly different.
- The authors conclude that underwater EMR, which does not require submucosal injection, can be considered a standard treatment option for colorectal polyps smaller than 10 mm.
- This study may be of interest to endoscopists seeking evidence on resection techniques for small colorectal polyps.

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