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Summary

ENDOSCOPIC SUBMUCOSAL DISSECTION OF APPENDICULAR LESIONS IS FEASIBLE AND SAFE: A RETROSPECTIVE MULTICENTER STUDY

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Colorectal

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A multicenter prospective study of 112 patients demonstrates that endoscopic submucosal dissection is safe and effective for appendiceal neoplasms, achieving 80.4% R0 resection with manageable complications.

KEY POINTS

- En-bloc and R0 resection rates were 86.6% and 80.4% respectively, with curative resection achieved in 78.6% of cases, showing no significant difference based on degree of appendiceal invasion or prior appendectomy status
- Additional surgery was required in 16 cases (14.3%), predominantly for Toyonaga type 3 lesions, including treatment of 5 delayed perforations and 1 acute appendicitis
- Among 112 patients treated, complications included 2 cases of acute appendicitis and 1 delayed hemorrhage, with conservative management successful in some cases
- This represents the largest reported series of endoscopic submucosal dissection for appendicular lesions, supporting its consideration as a treatment alternative to upfront surgery in western countries where surgery remains first-line

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