UTILITY AND ADVANTAGE OF THE UNROOFING TECHNIQUE FOR GASTROINTESTINAL SUBEPITHELIAL TUMORS: A MULTICENTER RETROSPECTIVE COHORT STUDY

Kengo Nagai

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A multicenter retrospective study of 61 patients found that the unroofing technique achieved a 72.1% pathological diagnosis rate for gastrointestinal subepithelial tumors, with acceptable diagnostic yield independent of institutional experience or tumor size.

KEY POINTS

- The study included 61 patients with gastrointestinal subepithelial tumors (median size 20 mm) across 10 hospitals between April 2015 and March 2021.
- Tissue acquisition was successful in 98.4% of cases, with a pathological diagnosis rate of 72.1% and two discrepancies compared to postresection pathology among 44 diagnosed cases.
- No factors including facility experience, organ, tumor size, or tumor exposure significantly affected the correct diagnosis rate.
- Adverse events included one delayed bleeding and two perforations; median procedure time was 38 minutes with 82% successful tumor exposure.
- The authors concluded the diagnostic yield was acceptable and the technique was beneficial regardless of institutional experience or tumor characteristics.

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