PROSPECTIVE STUDY ON THE DIAGNOSTIC YIELD OF SINGLE PASS WITH FIVE TO-AND-FRO MOVEMENTS IN ENDOSCOPIC ULTRASOUND-GUIDED FINE NEEDLE BIOPSY

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A prospective study found that EUS-FNB using a 22-gauge Franseen needle with a single pass of five to-and-fro movements achieved comparable diagnostic accuracy to 15 movements while producing specimens with significantly less contamination and bloodiness.

KEY POINTS

- Among 53 analyzed patients, the accuracy rate for a single pass with five to-and-fro movements was 86.7% compared to 81.1% for 15 movements, with no significant difference between groups.
- Specimens obtained with five to-and-fro movements had significantly lower contamination scores (51.9% versus 34.6% with scores ≤1, $p<0.05$) and bloodiness scores (92.3% versus 75.0% with scores ≤1, $p<0.05$) compared to 15 movements.
- The study enrolled 56 patients from April 2021 to August 2022; three were excluded due to bleeding during the procedure or difficulty identifying the lesion, with final diagnoses including 42 malignant and 11 benign cases.
- The authors suggest that fewer passes and to-and-fro movements may help prevent adverse events such as bleeding and tumor dissemination, though study limitations include small sample size and non-crossover design.

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