COULD FROZEN SECTION EVALUATION INCREASE PREDICTIVE DIAGNOSTIC YIELD OF ENDOSCOPIC ULTRASONOGRAPHY GUIDED FINE NEEDLE BIOPSY (EUS FNB) FOR PANCREATIC SOLID LESION?

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UEG Week Copenhagen 2023 | Poster

Pancreas

October 15, 2023

A single-center study of 194 patients found that combining macroscopic on-site evaluation with intraoperative frozen section evaluation during EUS fine needle biopsy of pancreatic solid lesions increased diagnostic yield from 79.4% to 92.8% compared with macroscopic evaluation alone.

KEY POINTS

- The study enrolled 194 patients equally divided between MOSE with frozen section (MF group) and MOSE only (M group) for EUS FNB of pancreatic solid lesions from August 2021 to March 2023.
- Diagnostic yield was significantly higher in the MF group at 92.8% compared with 79.4% in the MOSE only group (p=0.006).
- In the MF group, frozen section results were equal to permanent section in 65% of cases, inferior in 34%, and superior in 1%.
- The number of passes for permanent section was lower in the MF group (5.5 vs 5.8, p=0.018).
- Combining MOSE with frozen section evaluation has potential drawbacks including prolonged procedure time and increased medical expenses.

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