

THE BIGGER, THE BETTER? – A PROSPECTIVE CONTROLLED TRIAL COMPARING THE DIAGNOSTIC ACCURACY OF 19G AND 22G FRANSEEN-TIP EUS-FNB NEEDLES IN SOLID PANCREATIC LESIONS

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Poster

Pancreas

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A prospective controlled study comparing 19G and 22G Franseen-tip needles for endoscopic ultrasound-guided fine-needle biopsy of solid pancreatic lesions found no significant difference in diagnostic accuracy between needle sizes.

KEY POINTS

- Overall EUS-guided sampling sensitivity was 74.2% for the 22G needle and 77.2% for the 19G needle, with diagnostic sensitivity in malignant lesions nearly identical at 78.9% and 79.1% respectively.
- The study enrolled 119 patients between April 2019 and April 2022; after exclusions, 100 patients remained, with 85 patients undergoing biopsy with both needle sizes in the same procedure.
- Final diagnoses included pancreatic cancer in 68.6% of cases, with other diagnoses including neuroendocrine tumors, lymphoma, extrapancreatic malignancies, chronic pancreatitis, and autoimmune pancreatitis.
- Post-procedural bleeding occurred in 8 cases with 3 requiring further intervention; where complications could be matched to needle size, distribution was equal between the two needles.
- This study is relevant for endoscopists and pathologists involved in pancreatic lesion diagnosis who may be considering needle size selection for tissue sampling.

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