# EVALUATION OF DIAGNOSTIC PERFORMANCE AND RISK FACTORS FOR ADVERSE EVENTS OF EUS-GUIDED THROUGH-THE-NEEDLE BIOPSY FOR PANCREATIC CYSTS IN A LARGE NUMBER OF COHORTS

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**A retrospective study of 248 patients found that EUS-guided through-the-needle biopsy for pancreatic cysts achieved a 77.3% diagnostic yield with a 16% adverse event rate, identifying IPMN as the primary risk factor for post-procedure acute pancreatitis.**

## KEY POINTS

- Technical success was achieved in 247 of 248 patients (100%) with 191 patients receiving a specific histologic diagnosis (77.3% diagnostic yield)
- Adverse events occurred in 41 patients (16%) with no serious adverse events; acute pancreatitis was most common (12%) followed by cyst hemorrhage (3%)
- In multivariate analysis, IPMN was the only significant risk factor for acute pancreatitis after EUS-TTNB (adjusted OR 2.75, 95% CI 1.24-6.11, P=0.01)
- Diagnostic yield did not vary significantly by number of biopsy specimens, presence of septation, cyst size, or cyst location
- The study analyzed prospectively collected data from Asan Medical Center between January 2019 and December 2022

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