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Summary

FEASIBILITY AND SAFETY OF ENDOSCOPIC ULTRASOUND-GUIDED TISSUE ACQUISITION FOR BILIARY LESIONS

Morito Ikeda

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Hepatobiliary

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Endoscopic ultrasound-guided tissue acquisition achieved 94.4% accuracy in diagnosing biliary lesions with a 4.2% complication rate in a retrospective study of 68 patients.

KEY POINTS

- Overall diagnostic accuracy for differentiating benign from malignant biliary lesions was 94.4%, with 92.3% sensitivity and 100% specificity across 71 lesions in the bile duct, gallbladder, and ampullary region.
- Diagnostic yield was 100% for gallbladder and ampullary lesions, while bile duct lesions showed 85.2% accuracy with 80% sensitivity and 100% specificity.
- Complications occurred in 3 of 71 cases (4.2%), including obstructive jaundice, pancreatitis, and hyperamylasemia, all managed conservatively except one requiring biliary drainage.
- No peritoneal dissemination was observed among 21 patients who underwent subsequent surgery.
- This technique offers a viable alternative for biliary lesions when transpapillary approaches fail to establish a diagnosis, particularly relevant for gastroenterologists managing indeterminate biliary strictures or masses.

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