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Summary

DIGITAL SINGLE-OPERATOR CHOLANGIOSCOPY IN THE DIAGNOSIS AND TREATMENT OF BILIO-PANCREATIC DISEASES: A SINGLE-CENTRE EXPERIENCE

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Hepatobiliary

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Retrospective single-centre study of 126 SpyGlass DS cholangioscopy procedures in 113 patients found high efficacy for difficult biliary stone clearance and diagnostic accuracy for indeterminate biliary strictures with low adverse event rates.

KEY POINTS

- Holmium laser lithotripsy achieved complete stone clearance in 94.1% of cases (80/85) with an average of 1.05 sessions and a first-session clearance rate of 93.75%.
- For indeterminate biliary strictures, visual impression at cholangioscopy showed 90% sensitivity, 93% specificity, and 92% accuracy, while targeted biopsy showed 86% sensitivity, 100% specificity, and 88% accuracy.
- Among 36 confirmed strictures requiring biopsy, 58.3% were malignant and 41.7% were benign.
- Adverse events occurred in 1.59% of procedures (2/126): one mild pancreatitis and one mild cholangitis.
- The authors conclude that sensitivity of visual impression exceeded that of targeted biopsy, while specificity of histological examination was superior, and recommend prospective multicentre studies.

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