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Summary

OUTCOMES PREDICTORS IN ENDOSCOPIC ULTRASOUND-GUIDED CHOLEDOCHODUODENOSTOMY WITH LUMEN-APPOSING METAL STENT: A SYSTEMATIC REVIEW WITH META-ANALYSIS

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Hepatobiliary

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Meta-analysis of 12 studies with 845 patients shows EUS-guided choledochoduodenostomy using lumen-apposing metal stents achieves 96% technical and clinical success for malignant biliary obstruction after failed ERCP, with stent size selection impacting adverse event rates.

KEY POINTS

- Pooled technical and clinical success rates were both 96% (95%CI: 94%-98% and 95%-98% respectively) in patients with distal malignant biliary obstruction treated with EUS-CDS using LAMS after failed ERCP
- The pooled adverse event rate was 12% (95%CI: 8%-16%), significantly lower with 8x8mm stents compared to 6x8mm LAMS (OR 0.59, 0.35-0.99; p=0.04)
- Success rates showed no significant association with baseline characteristics including sex, age, common bile duct diameter, or stent size
- The systematic review searched Medline, Scopus, and EMBASE databases up to November 2022 and included 12 studies with 845 patients
- The authors conclude that appropriate stent size selection is crucial for achieving optimal outcomes in EUS-CDS procedures

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