

CLINICAL APPLICATION EVALUATION OF NATURAL ORIFICE ENDOLUMINAL ENDOSCOPIC GALLBLADDER SURGERY (GB-NOEES): A SINGLE-CENTER RETROSPECTIVE STUDY

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Poster

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A single-center retrospective study of 100 patients demonstrated a 99% technical success rate and 4% complication rate for gallbladder Natural Orifice Endoluminal Endoscopic Surgery (Gb-NOEES) using a per-oral cholangioscopy-guided transpapillary cystic duct approach.

KEY POINTS

- Technical success rate was 99% (99/100 patients) with average operative time of 130±59 minutes across gallstones, gallbladder polyps, and acute cholecystitis cases
- Complication rate was 4%: three gallbladder perforations (one managed conservatively, two required laparoscopic conversion) and one postoperative bleeding case (managed conservatively), with no severe pancreatitis or deaths
- Gallstone clearance rate was 98% (78/80) with largest stone 4.0 cm and up to 52 stones removed in a single operation; complete excision of polyps achieved in 100% (15/15) with polyp diameters 4–15 mm
- During follow-up (2–26 months), stone recurrence rate was 2.5% (2/80) with no polyp recurrence; one early-stage gallbladder cancer was incidentally detected
- Authors conclude the technique offers organ preservation but requires multi-center validation; all procedures performed by experts with ≥10 years endoscopy experience

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