

PREOPERATIVE ENDOSCOPIC ULTRASOUND DRAINAGE USING A NOVEL DRAINAGE KIT FOR ACUTE CHOLECYSTITIS: FIRST IN HUMAN CASES

Toru Okuzono

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Poster

Hepatobiliary

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A first-in-human exploratory study of six acute cholecystitis patients treated with a novel endoscopic ultrasound gallbladder drainage kit before elective surgery achieved 100% technical and clinical success with no adverse events.

KEY POINTS

- The novel drainage kit includes an anchor to fix gallbladder and gastric walls and a thin drainage tube allowing one-step insertion and washing, designed to create smaller fistulas and facilitate subsequent surgery
- Six patients eligible for elective but not emergency surgery underwent EUS-GBD between April 2024 and January 2025, followed by laparoscopic cholecystectomy at a mean of 36.8 days later
- Technical and clinical success rates were both 100%, with no adverse events and no conversions to open surgery
- Mean hospital stay was 5.3 days after EUS-GBD and 5.3 days after laparoscopic cholecystectomy
- The authors concluded that preoperative EUS-GBD using this novel kit was feasible and safe in this small exploratory cohort

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