

INDICATIONS AND COMPLICATIONS OF LUMEN-APPOSING METAL STENTS – A SINGLE-CENTER RETROSPECTIVE OBSERVATIONAL STUDY

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UEG Week Berlin 2025

Poster

Hepatobiliary

October 6, 2025

A single-center retrospective analysis of 201 lumen-apposing metal stent placements between 2016 and 2024 demonstrates a shift from drainage to anastomotic indications with a 7.5% complication rate.

KEY POINTS

- 201 LAMS placements were performed for biliary drainage (82), peripancreatic collections (69), gastric outlet obstruction (41), abscesses (8), and EDGE procedure (1)
- Anastomoses became the predominant indication in recent years, accounting for 124 procedures (61.7%) over the observation period, with EUS-guided gallbladder drainage now the most common procedure
- The overall complication rate was 7.5% (15 cases), including 6 stent maldeployments, 5 bleeds, 2 infections related to walled-off necrosis or LAMS obstruction, and 2 buried stents
- Complications were managed non-surgically in 80% of cases, with three patients requiring surgery and one undergoing radiological embolization
- No 30-day mortality was observed, though one patient died 65 days post-drainage due to splenic artery bleeding

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