

# COMPARATIVE EFFECTIVENESS OF SMALL VERSUS MEGA ENDOSCOPIC STENTS IN MANAGING SLEEVE GASTRECTOMY LEAKS: A SYSTEMATIC REVIEW AND META-ANALYSIS

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UEG Week Berlin 2025

Poster

Oesophagus

October 7, 2025

**A systematic review and meta-analysis of 273 patients found no statistically significant difference in leak closure rates between small stents and megastents for managing sleeve gastrectomy-related leaks, though megastents required shorter treatment duration and fewer interventions.**

## KEY POINTS

- Twenty-two studies encompassing 273 patients with sleeve gastrectomy-related leaks treated with endoscopic stenting were analyzed, with leaks categorized as early (58%), acute (20%), late (12%), and chronic (10%).
- The pooled failure rate of endoscopic stenting was 20.4% (95% CI: 13–28%), with failure rates of 22.1% for small stents and 17.2% for megastents, showing no statistically significant difference (RR 0.78, 95% CI: 0.54–1.14,  $p > 0.05$ ).
- Megastents demonstrated significantly shorter mean stent duration compared to small stents (32.6 vs. 55.1 days,  $p < 0.05$ ) and required fewer interventions (1.9 vs. 2.4).
- Stent migration occurred in 23.4% of cases overall, more frequently with megastents (30%) than small stents (16%), though this difference was not statistically significant.
- The authors conclude that further high-quality comparative studies are needed to define optimal stent choice given the lack of statistically significant differences in primary outcomes.

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