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Summary

SUCCESS RATES OF FIXATION TECHNIQUES ON ESOPHAGEAL STENT MIGRATION: A SYSTEMATIC REVIEW AND META-ANALYSIS

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A systematic review and meta-analysis of ten studies with 1014 patients found that esophageal stent fixation significantly reduces migration rates compared to non-fixated stents regardless of fixation technique or indication.

KEY POINTS

- Fixated esophageal stents showed significantly lower migration rates compared to non-fixated stents with an odds ratio of 0.20 (95% CI: 0.11-0.37).
- All three fixation techniques (suturing, over the scope clipping, and through the scope clipping) demonstrated superiority over non-fixated stents in reducing migration.
- Adverse event rates were similar between fixated and non-fixated stent groups with an odds ratio of 0.65 (95% CI: 0.28-1.52).
- The benefit of stent fixation applied regardless of stent type or indication for stenting (malignant or benign dysphagia).
- This meta-analysis is relevant for gastroenterologists and endoscopists managing patients with esophageal dysphagia requiring stent placement.

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