

PREVALENCE OF DUMPING SYMPTOMS AFTER ESOPHAGEAL CANCER SURGERY: A SYSTEMIC REVIEW

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Poster

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A systematic review and meta-analysis found that dumping syndrome occurs in 37% of esophageal cancer patients after surgery in cohort studies and 18% in case-series, with high variability across studies.

KEY POINTS

- Meta-analysis of 17 studies (7 cohort studies, 9 case-series, 1 randomized controlled trial) estimated pooled dumping syndrome prevalence of 37% (95% CI 14%-65%) in cohort studies and 18% (95% CI 7%-34%) in case-series after esophageal cancer surgery
- Prevalence estimates showed substantial heterogeneity ($I^2=98\%$, $P<0.01$) and ranged from 6% to 74% across cohort studies
- One randomized controlled trial involving 300 patients reported no occurrence of dumping syndrome
- The authors suggest that differences in dumping syndrome definition and assessment methods, follow-up duration, and patient characteristics may explain the wide variability in reported prevalence
- The review calls for standardized methods to measure dumping syndrome in future studies

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