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Summary

ENDOFLIP TAILORED SELECTIVE CIRCULAR POEM REDUCES SHORT TERM POST-PROCEDURAL GASTRO-ESOPHAGEAL REFLUX DISEASE SYMPTOMS IN TREATMENT NAÏVE PATIENTS BUT NOT IN PREVIOUSLY TREATED

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In 96 achalasia patients undergoing POEM, short-term GERD developed in 18.7% overall, with previous treatment independently predicting GERD (OR 7.4) rather than whether the procedure was EndoFLIP-tailored.

KEY POINTS

- GERD occurred in 18.7% of patients at 3 months post-POEM and did not differ significantly between EndoFLIP-tailored (21.1%) and non-tailored (17.2%) procedures.
- Previous treatment was the only independent predictor of GERD on multivariate analysis (OR 7.412, p=0.004), with rates of 26.8% in treated versus 12.7% in treatment-naïve patients.
- Among tailored-POEM patients, previously treated patients had significantly higher GERD rates than naïve patients (42.9% versus 8.3%, p=0.034), whereas no such difference existed in the non-tailored group.
- Higher baseline distensibility index correlated with GERD development in tailored-procedure patients (2.9±1.7 versus 2.0±1.5, p=0.038), but myotomy length and approach (anterior versus posterior) did not correlate with GERD.
- This study is relevant to endoscopists performing POEM who wish to understand GERD risk stratification, particularly in patients with prior achalasia treatments.

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