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Summary

MANOMETRIC CHANGES AND FACTORS ASSOCIATED WITH POST-TREATMENT PERISTALSIS RETURN IN ACHALASIA

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In 91 achalasia patients treated with pneumatic dilation or POEM, 9.9% showed return of esophageal peristalsis at 1-3 months post-treatment, characterized exclusively by weak or premature contractions and not associated with baseline characteristics or treatment outcomes.

KEY POINTS

- Post-treatment peristalsis recovery occurred in 9 of 91 patients (9.9%), with an average of 5 peristaltic events per 10 wet swallows.
- All 40 observed peristaltic returns showed abnormal patterns: 42.5% had normal contraction vigor with premature contraction, and 57.5% had weak contraction (22 of 23 with short distal latency).
- No peristaltic returns demonstrated both normal contraction vigor (DCI 450-8000 mmHg•s•cm) and normal distal latency (greater than 4.5 seconds).
- Peristalsis return was not significantly associated with age, gender, BMI, achalasia subtype (I, II, or III), treatment type (pneumatic dilation versus POEM), baseline manometric parameters, or short-term treatment outcomes.
- Patients with peristalsis return had good clinical outcomes with median Eckardt score of 0 and median symptom improvement of 85%.

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