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Summary

UPPER ESOPHAGEAL SPHINCTER METRICS ACROSS EOSINOPHILIC ESOPHAGITIS, GASTROESOPHAGEAL REFLUX DISEASE AND FUNCTIONAL DYSPHAGIA: A PILOT STUDY

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Oesophagus

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A pilot study comparing upper esophageal sphincter metrics in eosinophilic esophagitis, GERD, and functional dysphagia found significantly elevated contractile measures in EoE and GERD patients.

KEY POINTS

- Post-deglutitive UES contractile integral was significantly higher in EoE patients compared with functional dysphagia patients (p=0.001)
- Basal UES contractile integral and UES resting pressure were significantly elevated in both EoE (p=0.002, p=0.038) and GERD (p<0.001, p=0.001) patients compared with functional dysphagia patients
- Correlations were found between lower esophageal sphincter contractile integral and several UES metrics (post-deglutitive UES-CI, basal UES-CI, UES-RP) independent of diagnosis
- No correlations were demonstrated between UES metrics and esophageal symptoms or EGJ metrics
- The authors conclude that UES analysis may be an additional tool to understand pathophysiological mechanisms in EoE

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