We present a rare case of dysphagia due to the coincidence of eosinophilic esophagitis with esophageal intramural pseudodiverticulosis (EIP).

A 28-year-old man had a 15-year history of intermittent solid-food dysphagia and heartburn-like symptoms that were not relieved with prescription gastric acid-reducing agents. He denied any history of food impaction or allergies. Blood analysis and physical examination were unremarkable with a stable body mass index (BMI) of 21 kg/m².

A 24-hour esophageal pH study showed no evidence of pathological gastroesophageal reflux and esophageal manometry demonstrated no motor abnormalities. Upper gastrointestinal endoscopy showed a small caliber esophagus with multiple concentric rings with additional white spots and multiple orifices (Fig. 1). Esophageal biopsies revealed a high eosinophil count (>50 eosinophils/high power field; Fig. 2), indicative of eosinophilic esophagitis. A barium esophagogram also revealed a small caliber esophagus with tiny flask-shaped outpouchings in the distal and mid-esophagus, and multiple rings in the proximal esophagus (Fig. 3).

EIP is a rare entity, which often presents with dysphagia. Although its etiology is not precisely known, current data suggest that the pseudodiverticula represent dilated excretory ducts of mucosal glands. This dilatation may be caused either by long-term esophageal inflammation or by increased intra-esophageal pressure from altered motility or stenosis [1]. The coincidence of EIP with eosinophilic esophagitis is extremely rare with only two cases reported in the literature [1,2]. In our patient, a therapeutic regimen consisting of topical steroid intake led to significant clinical improvement within 4 weeks.

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References
1 Engel MA, Raithel M, Amann K et al. Rare coincidence of eosinophilic esophagitis with esophageal stenosis and intramural pseudodiverticulosis. Dig Liver Dis 2008; 40: 700–706

Bibliography
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