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CLINICAL IMAGE

Acute esophageal tear in eosinophilic esophagitis

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A 28-year-old female presented to our interdisciplinary emergency room with epigastric pressure and dysphagia. Approximately 1 h before presentation, the patient experienced sudden epigastric pain while consuming a meal of tender pork and potatoes. The patient had no record of medical conditions besides known eosinophilic esophagitis (EoE) with two prior episodes of bolus impaction in 5 years. At the time of presentation, treatment of EoE was purely dietetic with a two-food elimination diet (animal milk and gluten). An esophago-gastro-duodenoscopy was immediately performed after admission and revealed a fresh, 9–10 cm long, longitudinal tear of the inner esophageal wall stretching just before the Zline. The tear appeared to reach at least into the submucosa without endoscopic signs of perforation (Fig. 1a). Clinical and laboratory parameters as well as a thoracic X-ray scan provided no evidence of mediastinitis. Considering the patient's age we, therefore, refrained from computed tomography.

EoE is a chronic, localized, immune-mediated disease of the esophagus that is associated with the migration of large numbers of eosinophils (≥15 in at least one high-power field) into the esophageal mucosa [1-3]. Typical symptoms include dysphagia, heartburn and food impaction. However, ~2% of EoE patients experience esophageal ruptures at least once [4]. Therapeutic measures are based on elimination diets, proton pump inhibitors or topical steroids [2, 3, 5]. In the present case, we initially decided on a conservative approach with an alimentary limitation to liquids, antibiotic prophylaxis and a high-dose proton pump inhibitor therapy, which resulted in very good healing of the esophageal tear after 1 week (Fig. 1b). Long-term therapy was initialized by combining a six-food elimination diet (animal milk, soy, eggs, gluten, peanuts/tree nuts and seafood) with swallowed topical steroids and no additional episodes of bolus impaction occurred during the first 3 months after the initial presentation. A long-term follow-up is recommended.

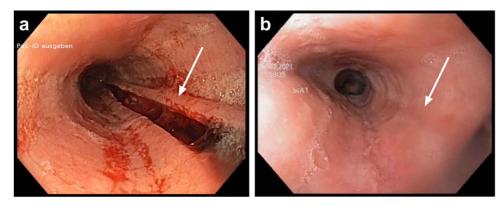


Figure 1: Endoscopic pictures of the esophagus of the patient at presentation (a) and after 1 week of therapy (b). The white arrows indicate the location of the esophageal tear.

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CONFLICT OF INTEREST

No conflicts of interest.

FUNDING

None declared.

ETHICAL APPROVAL

Not applicable.

CONSENT

Written informed consent was obtained from the patient.

GUARANTOR

B.F.

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