A 31-year-old man with an allergic constitution who had previously undergone endoscopic removal of impacted food in 2008 was referred to the outpatient clinic for chronic intermittent dysphagia of solid food. An upper endoscopy performed after administration of high-dose proton pump inhibitors showed linear furrows. Examination of mid and proximal esophageal biopsy specimens showed mild basal hyperplasia, moderate spongiosis, and a peak of 120 intraepithelial eosinophils per high power field (Fig. 1). The patient was diagnosed with eosinophilic esophagitis [1]. The patient showed a partial response to swallowed fluticasone aerosol and subsequently to budesonide. The patient received analgesics and antibiotics. An esophagogram performed 4 weeks after perforation showed no leakage of contrast, and the patient was discharged.

Stent removal was performed 3 weeks later at our hospital. The proximal esophagus demonstrated linear furrows and white exudates (Fig. 2c). Unfortunately, stent removal was hindered by tissue ingrowth in the uncovered proximal part of the stent (Fig. 2d), and a fully covered Niti-S stent-in-stent was placed (diameter 18 mm, length 60 mm; Taewoong Medical, Seoul, Korea) (Fig. 3b). After 1 week, the Niti-S stent was easily removed (Fig. 2e); however, removal of the Wallflex stent required gentle back and forth manipulation (Fig. 2f). The esophageal perforation had healed.

Eosinophilic esophagitis is often considered an innocent disease that causes only mild, discomforting symptoms [1]. The presented case reminds us that we should attempt to avoid food impaction in patients with eosinophilic esophagitis because endoscopic removal of the impacted food may cause perforation [2, 3]. During endoscopy, preventative measures such as general anesthesia and the use of antiemetics may be required. In this patient, placement of a partially covered metal stent resulted in tissue ingrowth, which is a common complication of stent placement [4]. The placement of metal stents, especially partially covered ones, should be avoided in patients with eosinophilic esophagitis because the inflamed mucosa is likely to react to a foreign body by the development of severe fibrosis, and stent removal may also increase the risk of mucosal tears and perforation. Furthermore, endoscopists should be extra cautious when placing stents in patients with eosinophilic esophagitis who have esophageal rings, strictures, or a narrow-caliber esophagus, because the reduced esophageal luminal diameter may complicate stent removal.

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References

Bibliography
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Fig. 2 Endoscopic procedures performed after food bolus impaction. a Impacted food bolus in the distal esophagus. b Esophageal perforation following the removal of the impacted food bolus. c Linear furrows and white exudates in the proximal esophagus. d Tissue ingrowth in the uncovered proximal section of the stent hindered its removal. e The stent-in-stent Niti-S stent was removed easily 1 week later. f Removal of the initial stent was eventually achieved by gentle back and forth manipulation.

Fig. 3 Radiographic images. a Free upper abdominal air (large arrows) and the stent (small arrows) after perforation. b Niti-S stent positioned inside the proximal, uncovered part of the Wallflex stent.