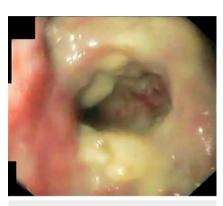
Post-peroral endoscopic myotomy dehiscence treated with an esophageal fully covered self-expandable metal stent

Peroral endoscopic myotomy (POEM) is an effective and safe technique for treating esophageal achalasia [1–2]. Adverse events related to POEM, although uncommon, may present a diagnostic and therapeutic challenge [2–3]. Fully covered self-expandable metal stents (FCSEMSs) have been successfully used in several complications of esophageal procedures, such as perforation, fistula, and leakage [4–5].

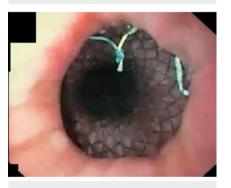
A 59-year-old man presented with intermittent dysphagia to solids and fever. He had undergone POEM 6 days before for symptomatic type III achalasia (Eckardt's score of 8) with a posterior incision. Intravenous prophylactic antibiotics were administered before and after the procedure. Upper endoscopy (GIF-Q165; Olympus, Tokyo, Japan) revealed dehiscence of the previously closed mucosal incision, with purulent material located inside the tunnel (▶ Fig. 1, ▶ Fig. 2). Gentamicin was flushed through the tunnel and intravenous antibiotics were started (piperacillin/tazobactam and metronidazole). A 23×105-mm FCSEMS (Wallflex Esophageal Stent; Boston Scientific, Marlborough, Massachusetts, USA) was placed under direct endoscopic visualization (>Fig.3) and radioscopic control (Video 1). The stent was repositioned using a rat tooth grasping forceps (FG-48L-1; Olympus, Tokyo, Japan) and then fixed with a through-the-scope clip (Resolution 360 Clip; Boston Scientific) and an over-the-scope clip (OTSC System Set, 11/6 mm, type t; Ovesco Endoscopy AG, Tuebingen, Germany). A thoracic computed tomography excluded mediastinitis, periesophageal fluid collections, or fistula. Antibiotics were continued for 14 days in association with fluconazole for 7 days. Afterwards, the patient showed clinical improvement. An upper endoscopy was performed 3 weeks weeks after stent deployment. The esophageal stent was re-



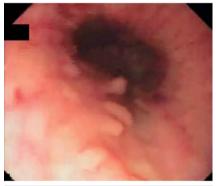
► Fig. 1 Upper endoscopy after peroral endoscopic myotomy showed dehiscence of the previously closed mucosal incision.



► Fig. 2 Endoscopic view of the inside of the tunnel containing purulent material.



▶ Fig. 3 Endoscopic view after placement of fully covered self-expandable esophageal metal stent.



▶ Fig. 4 Endoscopic evaluation after stent removal showing closure of the dehiscence.

moved using a rat tooth grasping forceps (FG-48L-1, Olympus), and complete closure of the former dehiscence was observed (**> Fig.4**). There was no difficulty passing the endoscope through the esophagogastric junction.

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Competing interests

The authors declare that they have no conflict of interest.

The authors

Margarida Flor de Lima, Nuno Nunes, Carolina Chálim Rebelo, Diogo Bernardo Moura, Ana Catarina Rego, Nuno Paz, Maria Antónia

Gastroenterology Department, Hospital do Divino Espírito Santo de Ponta Delgada, Ponta Delgada, Portugal





▶ Video 1 An infected dehiscence of the mucosal incision after peroral endoscopic myotomy was closed using a fully covered self-expandable esophageal metal stent placed for 3 weeks.

Corresponding author

Margarida Flor de Lima

Gastroenterology Department, Hospital do Divino Espírito Santo de Ponta Delgada, Avenida D. Manuel I, Matriz, 9500-370 Ponta Delgada, Portugal Fax: +351 296 203 090 margaridaflordelima@hotmail.com

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