A 70-year-old woman with a gastric adenocarcinoma and a subepithelial lesion in the distal descending duodenum (▶Fig. 1) was referred to us. On endoscopic ultrasound (EUS), a 15-mm hypoechoic, regular, and homogeneous lesion engaging the muscularis propria was observed (▶Fig. 2). Histopathology analysis of the fine-needle biopsy showed a gastrointestinal stromal tumor (GIST) with a low proliferative index. After discussion in a multidisciplinary team conference and on patient consent, an endoscopic submucosal dissection (ESD) and gastrectomy were performed in the same session.

In order to facilitate access to the submucosa during ESD, we applied a traction system using a dental floss ring and two clips (▶Fig. 3). This system enabled quick, safe, and complete resection with full control of the dissection plane (▶Fig. 4, ▶Video 1). The GIST was resected en bloc and the wall defect was fully closed using eight metallic clips and an endoloop (▶Fig. 5). There were no adverse events during the procedure. Postoperatively, the patient developed mild abdominal pain, which was easily controlled with painkillers, and oral intake was restarted on day 3. The patient was re-admitted at 2 months owing to fever caused by a retroperitoneal fluid collection that was treated with antibiotic and EUS drainage; she remained asymptomatic at the 3-month follow-up.

Endoscopy_UCTN_Code_CCL_1AB_2AZ_3AB

Competing interests

The authors declare that they have no conflict of interest.
The authors

Francisco Baldaque-Silva¹, Naining Wang², Ioannis Rouvelas³, Masami Omae¹

¹Division of Medicine, Department of Upper Gastrointestinal Diseases, Karolinska University Hospital and Karolinska Institute, Stockholm, Sweden
²Department of Pathology, Karolinska University Hospital and Karolinska Institute, Stockholm, Sweden
³Division of Surgery, Department of Clinical Science, Intervention and Technology (CLINTEC), Karolinska Institute, Stockholm, Sweden

Corresponding author

Francisco Baldaque-Silva, MD
Department of Upper Gastrointestinal Diseases, Karolinska University Hospital, Huddinge, 141 86 Stockholm, Sweden
fbaldaquesilva@gmail.com

References


Bibliography

Endoscopy 2022; 54: E318–E319
DOI 10.1055/a-1527-7600
ISSN 0013-726X
published online 9.7.2021
© 2021. Thieme. All rights reserved.
Georg Thieme Verlag KG, Rüdigerstraße 14, 70469 Stuttgart, Germany

ENDOSCOPY E-VIDEOS
https://eref.thieme.de/e-videos

Endoscopy E-Videos is an open access online section, reporting on interesting cases and new techniques in gastroenterological endoscopy. All papers include a high quality video and all contributions are freely accessible online. Processing charges apply (currently EUR 375), discounts and waivers acc. to HINARI are available.

This section has its own submission website at
https://mc.manuscriptcentral.com/e-videos

Video 1 Endoscopic submucosal dissection of a gastrointestinal stromal tumor using a traction system.

Video 1
Endoscopic submucosal dissection of a gastrointestinal stromal tumor using a traction system.