One-session combined technique for a recurrent rectal polyp: submucosal dissection and endoscopic full-thickness resection

The advent of endoscopic submucosal dissection (ESD) and endoscopic full-thickness resection (EFTR) have changed the treatment scenario for recurrent polyps, which represented one of the bigger challenges for endoscopists when endoscopic mucosal resection (EMR) was the only available technique. However, these two techniques have some limits: high grade fibrosis may reduce the possibility of performing ESD and increase the risk of perforation [1, 2], while the size, thickness, and rigidity of the lesion, the mobility of the wall, and the location and grade of fibrosis may limit EFTR [3, 4]. Our aim was to evaluate the feasibility, efficacy, and safety of a single-session combined technique performing ESD and EFTR for adenomatous recurrence in the rectum. In 2014, a 65-year-old man underwent EMR of a tubulovillous adenoma with low grade dysplasia (LGD) with a diameter of 40 mm in the rectum. The 3-year follow-up colonoscopy showed an adenomatous recurrence of 25 mm, characterized by a sessile part and a flat part, positioned on the back of the second Huston’s valve. ESD appeared difficult to perform alone because of the high grade fibrosis of the sessile portion, while an approach with EFTR was unfeasible because of the size, rigidity, and back-fold position of the flat part. Therefore, we decided to perform a partial ESD of the back-fold flat portion, thereby obtaining lesion mobility to allow performance of EFTR of the whole lesion (▶ Video 1).

Histologic examination of the resected lesion showed an en bloc specimen of tubulovillous adenoma with LGD and free resection margins (▶ Fig. 1). After 12 months of follow-up, there is no evidence of endoscopic or histologic recurrence (▶ Fig. 2).

In conclusion, this one-session combined endoscopic technique could represent a valid option for the resection of “hard-to-treat” recurrent rectal polyps, thereby reducing the need for surgical treatment.

Competing interests

Vincenzo Cennamo: Olympus Italia, Olympus Europa, Euromedical, Novità Medica.

The authors

Stefania Ghersi1, Marco Bassi1, Stefano Landi1, Cecilia Binda2, Emanuele Dabizzi1, Vincenzo Cennamo1
1 Unit of Gastroenterology and Operative Digestive Endoscopy, Bellaria Maggiore Hospital, AUSL Bologna, Italy
2 Department of Internal Medicine, Gastroenterology and Hepatology, Catholic University of Sacred Heart of Rome, A. Gemelli Hospital, Rome, Italy

Corresponding author

Stefano Landi, MD
Unit of Gastroenterology and Operative Digestive Endoscopy, Bellaria Maggiore Hospital, AUSL Bologna, BO, Italy
Stefano.landi5@gmail.com

E-Videos

Ghersi Stefania et al. Single-session ESD and EFTR for recurrent rectal polyp ... Endoscopy 2019; 51: E120–E121
References


Bibliography

DOI https://doi.org/10.1055/a-0851-6657
Published online: 5.3.2019
Endoscopy 2019; 51: E120–E121
© Georg Thieme Verlag KG
Stuttgart · New York
ISSN 0013-726X

Endoscopy E-Videos is a free 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.

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