Double-clip traction endoscopic submucosal dissection: an interesting alternative method for the resection of pedunculated polyps

The management of pedunculated polyps can be challenging due to the bleeding risk and the technical difficulty in positioning the snare. In cases of a head diameter > 20 mm and/or stalk width > 10 mm, prevention of bleeding is necessary by injection of diluted adrenaline and/or mechanical hemostatic prevention, as recommended by the European Society of Gastrointestinal Endoscopy [1]. Mechanical prevention can hamper resection by causing difficulties in snare opening and placement. In addition to size, the nature of the polyp also influences the bleeding risk, and hamartomatous/juvenile polyps have a higher propensity to bleed [2].

We report here the case of a 60-year-old patient, in whom a large pedunculated polyp of the right colon was discovered during a screening colonoscopy (Video 1). During endoscopic characterization, the appearance did not indicate an adenomatous origin; rather, it suggested a hamartomatous/juvenile type (Fig. 1). As snaring was difficult due to the large size of the polyp head, we performed resection by endoscopic submucosal dissection (ESD).

In the first step, a clip with a rubber band was placed under the head of the polyp to limit bleeding and to allow traction (Fig. 2) [3]. Next, a second clip was placed at the base of the stalk. Dissection without injection was then performed between the two clips, which enabled safe resection, aided by traction, and minimized bleeding (Fig. 3). Histological analysis confirmed that this was a nondysplastic juvenile polyp with complete resection.

ESD could be an interesting alternative for the resection of pedunculated polyps with a large head because the technique overcomes the difficulty in snare positioning following the application of preventive hemostasis methods (such as an endoloop) or caused by the large size of the polyp head.

The authors declare that they have no conflict of interest.

Competing interests

E-Videos

Video 1 Double-clip traction endoscopic submucosal dissection.

Fig. 1 Right colon polyp with nonadenomatous origin.

Fig. 2 A clip with rubber band was placed under the head of the polyp to allow traction.

Fig. 3 Dissection between the two clips.
The authors

Jérémie Albouys1, Sophie Geyl1, Lambin Thomas2, Thibault Kaighobadi3, Romain Legros1, Mathieu Pioche2, Jérémie Jacques1
1 Gastroentérologie et endoscopie digestive, CHU Dupuytren, Limoges, France
2 Unité d’endoscopie digestive, service de Gastroentérologie pavillon H, Hôpital Edouard Herriot, Hospices Civils de Lyon, Lyon, France
3 Gastroenterologie et endoscopie digestive, Clinique Croix du Sud, Toulouse, France

Corresponding author

Jérémie Albouys, MD
Service d’Hépato-gastro-entérologie, CHU Dupuytren, 2 avenue Martin Luther-king, 87042 Limoges, France
jeremie.albouys@gmail.com

References


Bibliography

Endoscopy
DOI 10.1055/a-1841-5513
ISSN 0013-726X
published online 2022
© 2022. The Author(s).
This is an open access article published by Thieme under the terms of the Creative Commons Attribution-NonDerivative-NonCommercial License, permitting copying and reproduction so long as the original work is given appropriate credit. Contents may not be used for commercial purposes, or adapted, remixed, transformed or built upon. (https://creativecommons.org/licenses/by-nc-nd/4.0/)
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