Endoscopic submucosal dissection with double-endoscope and snare-based traction for adenoma involving the ileocecal valve

A 2.7-cm lateral spreading tumor involved the ileocecal valve. Most of the lesion was in the terminal ileum and was very hard to approach colonoscopically (Fig. 1, Fig. 2). Performing endoscopic submucosal dissection (ESD) without any additional traction would have been very demanding. The idea of double-endoscope-assisted ESD (DS-ESD) has been proposed for treatment of tumors in the cecum and distal colon [1, 2]. We used double endoscopes, one for ESD and one for traction, to pull the lesion out of the terminal ileum and resect it. We modified DS-ESD with snare-based traction, which was strong and reliable (Fig. 3, Fig. 4). The traction can be adjusted during the procedure. Only around 30 minutes was required to resect this lesion (Fig. 5). ESD with double endoscopes and snare-based traction can make lesions involving the ileocecal valve easier to resect (Video 1).

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

The authors
Chu-Kuang Chou1,2, Kun-Feng Tsai3, Li-Chun Chang4, Chao-Wen Hsu5,6
1 Division of Gastroenterology and Hepatology, Department of Internal Medicine, Ditmanson Medical Foundation Chia-Yi Christian Hospital, Chiayi, Taiwan
2 Clinical Trial Center, Ditmanson Medical Foundation Chia-Yi Christian Hospital, Chiayi, Taiwan
3 Division of Gastroenterology and Hepatology, An Nan Hospital, China Medical University, Tainan, Taiwan
4 Internal Medicine, National Taiwan University Hospital, Taiwan
5 Division of Colorectal Surgery, Kaohsiung Veteran General Hospital, Kaohsiung, Taiwan
6 School of Medicine, National Yang Ming Chiao Tung University, Taipei, Taiwan

Corresponding author
Chao-Wen Hsu, MD
Division of Colorectal Surgery, Kaohsiung Veteran General Hospital, 836 Ta-Chung 1st Road, Kaohsiung 81346, Taiwan
ss851124@gmail.com

Endoscopy_UCTN_Code_TTT_1AQ_2AD
Video 1  Endoscopic submucosal dissection with double endoscopes and snare-based traction for a flat lesion involving the ileocecal valve. Source for graphical illustration: Chu-kuang Chou, Chiayi Christian Hospital, Taiwan.

References


Bibliography

Endoscopy
DOI 10.1055/a-1677-3802
ISSN 0013-726X
published online 2021
© 2021. Thieme. All rights reserved.
Georg Thieme Verlag KG, Rüdigerstraße 14, 70469 Stuttgart, Germany