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
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