Easier removal of a gastrointestinal stromal tumor using a new detachable snare-assisted traction technique

A 51-year-old woman presented to our department with a stromal tumor (about 3×2 cm) in the gastric body (▶Fig. 1). After the tumor had been marked, mucosal and submucosal incision was commenced, but it was not possible to make an effective incision owing to the narrow gap between the tumor and the normal muscularis propria caused by the effect of gravity on the tumor (▶Video 1). A detachable snare was used to trap part of the tumor and a clip with a traction wire was used to clamp the detached snare to create traction. After traction had been applied via the detached snare, the incision gap was enlarged (▶Fig. 2) and the tumor was then rapidly excised by the now effective incision (▶Fig. 3). Pathologic examination showed that the tumor was a low risk gastrointestinal stromal tumor of 3×2 cm. Follow-up after 1 month showed that the wound had healed (▶Fig. 4).

Traction techniques have effectively shortened the procedure time, and can help to avoid unnecessary bleeding and perforation during endoscopic submucosal dissection [1,2]. A clip with a traction wire has often been used to enlarge the incision gap [3]. For large tumors, snares are a useful traction method [4]; however, the snare is hard to release when it has trapped the tumor. Therefore, we designed a detachable snare to trap the tumor and create traction that is then easier to release. This is first report of the use of the detachable snare to create effective traction to remove a tumor.
Funding

Bureau of Science and Technology
Nanchong City
http://dx.doi.org/10.13039/10001680922SXQT0401

Competing interests

The authors declare that they have no conflict of interest.

The authors

Zhang Tao, Jie Liu, Wen Feng Pu, Chao Lan, Ning Chuan Ren, Feng Ying Lin, Dan Hu
Department of Gastroenterology, Nanchong Central Hospital, The Second Clinical Medical College, North Sichuan Medical College, Nanchong City, Sichuan, China

Corresponding author

Zhang Tao, MD
Department of Gastroenterology, Nanchong Central Hospital, The Second Clinical Medical College, North Sichuan Medical College, Nanchong City, Sichuan, 637000, China
305514271@qq.com

References


Bibliography

Endoscopy 2023; 55: E900–E901
DOI 10.1055/a-2119-0508
ISSN 0013-726X
© 2023. The Author(s).
This is an open access article published by Thieme under the terms of the Creative Commons Attribution License, permitting unrestricted use, distribution, and reproduction so long as the original work is properly cited.
(https://creativecommons.org/licenses/by/4.0/)
Georg Thieme Verlag KG, Rüdigerstraße 14, 70469 Stuttgart, Germany