Endoscopic suture-based closure of a dehiscent rectal stump

Lower anterior rectal resection (LAR) with discontinuity resection is performed to avoid leakage of the colorectal anastomosis in high risk patients [1]. Unfortunately, rectal stump leakage can occur, and reoperation is associated with high morbidity and mortality. Endoscopic techniques, such as rinsing or vacuum-based therapy, have shown promising results in rectal leak management [2]. Recently, various endoscopic suture-based techniques have been introduced to facilitate gastrointestinal defect closure and leak or fistula management [3]. We describe the case of a 66-year-old man with rectal stump leakage, presenting to our unit 12 days after LAR and discontinuity resection. We opted for a two-step approach with initial suturing of the large post-surgical defect using the through-the-scope X-Tack Endoscopic HeliX Tacking System (Apollo Endosurgery, Austin, Texas, USA) (▶Video 1).

Conflict of Interest

The authors declare that they have no conflict of interest.

The authors

Alanna Ebigbo1, Julia Wanzl1, Shimaa Afify2, Sandra Nagl1, Helmut Messmann1
1 Department of Gastroenterology, University Hospital Augsburg, Augsburg, Germany
2 Department of Gastroenterology, National Hepatology and Tropical Medicine Research Institute, Cairo, Egypt

References


Corresponding author

Alanna Ebigbo, MD
Department of Gastroenterology, University Hospital Augsburg, Stenglinstr. 2, 86156 Augsburg, Germany
alanna.ebigbo@gmx.de

Bibliography

Endoscopy 2024; 56: E381
DOI 10.1055/a-2304-8401
ISSN 0013-726X
© 2024. 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

E-Videos

Video 1 Endoscopic tack-and-suture technique for closure of a rectal stump dehiscence with a through-the-scope suturing device.

Endoscopy_UCTN_Code_TTT_1AQ_2AK

Ebigbo Alanna et al.  Endoscopic suture-based closure...  Endoscopy 2024; 56: E381 | © 2024. The Author(s).