Duodenal adenomas are uncommon, with a prevalence of 0.3%–4.6% [1,2]. Endoscopic resection (ER) is the standard treatment for a solitary adenoma. As ER for duodenal lesions is associated with a high risk of adverse events, such as bleeding and delayed perforation, closure of post-ER ulcers has been reported as being effective in reducing the risk of complications [3–5].

Herein, we report the case of a 52-year-old woman who underwent endoscopic mucosal resection (EMR) for a 5-mm lesion in the second portion of the duodenum. This lesion had been observed during a previous duodenoscopy as part of a medical check-up (▶ Fig. 1 a). The EMR procedure was successfully completed using a snare. Covering or closing post-EMR ulcers is an effective strategy to reduce the risk of complications. Therefore, a closure procedure was performed using a needle attached to a suture line and an endoscopic hand-suturing device (▶ Fig. 1 b, c). The mucosal defect was completely closed by suturing; however, the thread-cutter device became stuck on the suture and could not be opened while removing the excess line (▶ Fig. 1 d).

Given this situation, a second ultrathin endoscope with a 2.4-mm instrument channel was inserted to address the issue (▶ Fig. 1 e). The endoscopic view provided by the second scope enabled better decision-making about the subsequent treatment. An electrical knife was inserted through the second endoscope to cut the suture (spray mode, 40W, effect 1) (▶ Fig. 1 f, g). The procedure was completed without any additional complications (▶ Fig. 1 h), leading to an ultimately successful treatment (▶ Video 1).

The double-scope technique requires the use of an ultrathin endoscope, the recent development of which has enabled their use in various techniques. This method proved to be beneficial in managing the critical situation in this case. When employing the double-scope technique for duodenal lesions, it is crucial to adequately lubricate the second scope. This ensures that it can pass smoothly through the pylorus without obstruction from the first scope.
Conflict of Interest

Y. M. has an R&D consulting contract with Olympus Corporation. E. I. received lecture fees from Takeda Pharmaceutical Co., Ltd., and belonged to an endowed course supported by companies including Ono Pharmaceutical Co., Ltd., Miyarisan Pharmaceutical Co., Ltd., Sanwa Kagaku Kenkyusho Co., Ltd., Otsuka Pharmaceutical Co., Ltd., Fujifilm Medical Co., Ltd., Terumo Corporation, FANCL Corporation, Ohga Pharmacy, and Abbott Japan, LLC. E. I. also received a lecture honorarium from Takeda Pharmaceutical Company until March 2023. M. T. has received a donation from Olympus Corporation for the project of international medical tele education. However, there is no COI related to this report. No COI exists for the other authors related to this article.

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References


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Bibliography

Endoscopy 2023; 55: E1193–E1194
DOI 10.1055/a-2199-3398
ISSN 0013-726X
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