Hemorrhage from the point of traction on the opposing wall after colonic endoscopic submucosal dissection using countertraction: a rare adverse event

Endoscopic submucosal dissection (ESD) is recommended for complete en bloc resection of colonic lesions that are larger than 20 mm and with a high risk of limited submucosal invasion, based on depressed morphology and an irregular or non-granular surface pattern [1]. Recent studies have shown that countertraction techniques using clips and a rubber band increase the R0 resection rate and significantly decrease the procedure time, while also decreasing the complication rates (perforation and bleeding) [2].

We report here the case of an 87-year-old patient who was on no anticoagulant or antiplatelet treatment and had no prior coagulation disorder. A pseudodepressed nongranular 15-mm laterally spreading tumor (Paris 0-IIa+0-IIc, Kudo Vn, Sano IIIb, JNET III, NICE III) was found in the colon.
the right colon. Although right hemicolectomy would have been the standard therapy, because of the small size of the lesion and the advanced age of our patient, we decided to perform a diagnostic en bloc resection using ESD with countertraction (▶Fig. 1). A 30× 25-mm piece was retrieved and the dissection scar was closed with three hemostatic clips (Resolution 360; Boston Scientific, USA) (▶Video 1).

Several hours after the procedure, the patient presented with significant rectorragia, so a second colonoscopy was performed. Active bleeding was observed from the colonic wall that was opposite to the dissection scar, corresponding to the point where the traction clip had been previously placed (▶Fig. 2; ▶Video 1). Hemostasis was obtained using a hot biopsy forceps (EndoJaw Hot; Olympus, Japan) and two hemostatic clips. The patient was discharged 48 hours later, having experience no other adverse events.

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Competing interests

The authors declare that they have no conflict of interest.

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References


Bibliography

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