A 38-year-old man with bloody stools underwent esophagogastroduodenoscopy and colonoscopy. However, no bleeding point was detected and therefore, bleeding in the small intestine was considered likely.

We carried out capsule endoscopy and detected a tumor in the proximal ileum (Fig. 1). Double-balloon endoscopy (DBE) was then carried out transanally and reconfirmed the presence of the tumor in the expected part of the ileum (Fig. 2a). On the basis of its appearance, the lesion was suspected to be a submucosal tumor such as a carcinoid. We obtained biopsy samples from the tumor and marked it for surgery by placing clips close to it (Fig. 2b).

The patient showed no metastases in a series of imaging examinations and subsequently underwent partial ileectomy. The tumor was completely resected and diagnosed histologically as a carcinoid tumor (Fig. 3). During the follow-up period, the patient showed no recurrence or metastasis.

The main merit of DBE is that it allows biopsy or transendoscopic procedures [1]. However, DBE requires a very high level of skill and a considerable degree of patient tolerance [2]. It is therefore important to avoid using DBE unnecessarily or inappropriately. In this case, we first screened for the bleeding point by capsule endoscopy and found a tumor in the proximal ileum, for which DBE was subsequently employed transanally and not orally. Thus, screening by capsule endoscopy was useful for deciding the most suitable approach for DBE.

Image resolution in capsule endoscopy has recently improved [3]. Interestingly, in our patient capsule endoscopy detected a small lesion 6 mm in diameter in the small intestine, suggesting that this procedure is sufficiently useful for screening diseases of the small intestine. On the other hand, DBE has extensive potential for the treatment of hemostasis or dilation of strictures in the small intestine [4]. Thus, capsule endoscopy has certain merits for screening, while DBE seems better suited to final diagnosis or treatment.

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