Gastrointestinal bleeding from jejunal heterotopic pancreas diagnosed by deep small-bowel enteroscopy

A 70-year-old man presented with a 2-week history of overt (melena) and obscure gastrointestinal bleeding requiring an 8-unit blood transfusion. He underwent upper gastrointestinal endoscopy, colonoscopy, and push enteroscopy, all of which were nondiagnostic. A video capsule endoscopy, which reached the cecum at 6 hours and 21 minutes, showed active bleeding at 2 hours and 18 minutes without an obvious underlying lesion. The patient was transferred to our facility and underwent antegrade deep (spiral) enteroscopy. A medium-sized subepithelial mass with mucosal nodularity was found 90 cm distal to the ligament of Treitz (Fig. 1). Standard forceps biopsies were diagnostic of heterotopic pancreas. At laparoscopy, the tumor was easily identified at the site of the endoscopically placed tattoo (Fig. 2) and jejunal resection was subsequently performed. Pathologic evaluation of the surgical specimen confirmed heterotopic pancreas (Fig. 3a) with focal areas of mucosal ulceration (Fig. 3b). Postoperatively, the patient did well and he had no recurrent bleeding at his 1-month follow-up visit.

Heterotopic (ectopic) pancreas is a relatively rare submucosal tumor that occurs most commonly in the stomach and duodenum [1]. Most tumors are discovered incidentally during radiographic or endoscopic examination, but a small proportion of patients with heterotopic pancreas can present with symptoms such as abdominal pain or bleeding [2]. A few recent
case reports have described the diagnosis of small-bowel heterotopic pancreas by capsule or balloon enteroscopy [3–5], but to our knowledge, this is the first reported case of heterotopic pancreas diagnosed by spiral enteroscopy. Newer tools for evaluating the small intestine have expanded the diagnostic capabilities, but laparoscopic resection remains the definitive treatment for symptomatic heterotopic pancreas. Small-bowel heterotopic pancreas should be considered in the differential diagnosis of obscure gastrointestinal bleeding. Deep small-bowel enteroscopy can identify the lesion, provide tissue diagnosis, and allow placement of a tattoo mark for easy localization at the time of laparoscopy.

Endoscopy_UCTN_Code_CCL_1AC_2AH

Competing interests: None

J. Blair Williamson1, David H. Gonzalo2, Juan F. Alvarez3, Georgios Rossidis3, Peter V. Draganov1

1 Department of Medicine, University of Florida, Gainesville, Florida, USA
2 Department of Pathology, University of Florida, Gainesville, Florida, USA
3 Department of Surgery, University of Florida, Gainesville, Florida, USA

References

Bibliography
Endoscopy 2014; 46: E297–E298
© Georg Thieme Verlag KG Stuttgart · New York
ISSN 0013-726X

Corresponding author
J. Blair Williamson, MD
University of Florida Division of Gastroenterology, Hepatology, and Nutrition
1329 SW 16th Ave, Suite 9251
PO Box 100214
Gainesville, FL 32608
USA
Fax: +1-352-392-3618
blair.williamson@medicine.ufl.edu