A 24-year-old man was referred for further evaluation of obscure-occult gastrointestinal bleeding. He had presented 5 years earlier with an episode of acute iron-deficiency anemia at 9.7 g/dL without overt hemorrhage. He was treated by oral iron supplementation, but a low ferritin level persisted at 35 µg/L. He was asymptomatic and used no medication. He was twice explored unsuccessfully by gastroscopy, colonoscopy, and small-bowel follow-through.

A first capsule endoscopy (Pill cam SB 2; Given Imaging, Yoqneam, Israel) showed a sessile polypoid lesion at three-quarters of the small-bowel transit time (Fig. 1). A second capsule endoscopy confirmed the presence of the same lesion at the same location. This time the lesion was visualised inside a cavity (Fig. 2) and a double lumen was seen, suggesting a Meckel’s diverticulum.

No double-balloon enteroscopy was performed due to the need for surgical treatment.

The patient underwent single-port laparoscopy and a Meckel’s diverticulum with a palpable lesion inside was detected (Fig. 3).

After resection of a 5-cm-long segment, the diverticulum was opened and a 2-cm sessile polypoid lesion with three superficial erosions was revealed. Histologically, the lesion corresponded to a hypervascularised epithelium of gastric fundic and antral mucosa, with superficial ulcerations, without Helicobacter pylori infection (Fig. 4).

In the era of capsule endoscopy, a few cases of Meckel’s diverticulum have been reported where the diagnosis was suggested either because of active bleeding [1, 2] or by the endoscopic aspect of a double orifice [3, 4]. In our patient, we had the additional finding of a polypoid lesion inside the Meckel’s diverticulum that corresponded surprisingly to an ectopic gastric mucosa. There is one more case of an ectopic gastric mucosa detected by capsule endoscopy [5]; however these are the first images where close visualization has been achieved.
Competing interests: None

G. Mavrogenis¹, D. Coumaros², J.-P. Bellocq³, J. Leroy³
¹ Department of Gastroenterology, University Hospital, Strasbourg, France
² Department of Histopathology, University Hospital, Strasbourg, France
³ Department of Digestive Surgery, University Hospital, Strasbourg, France

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Corresponding author
D. Coumaros, MD
IRCAD/EITS
University Hospital
1, Place de l’Hôpital
67091 Strasbourg
France
Fax: +33-3-69551850
coumarosd@wanadoo.fr

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