A 17-year-old boy presented with a 5-day history of melena. His past medical history and his family history were unremarkable. On admission, physical examination revealed pallor and severe hypotension (blood pressure 84/42 mm Hg), but no abdominal signs. Hematologic analysis on admission showed a red blood cell count of $101 \times 10^4/mm^3$, a hemoglobin level of 2.9 g/dl and a hematocrit of 9.2%. Upper gastrointestinal endoscopy demonstrated no bleeding; colonoscopy revealed blood clots but no source of bleeding. Angiography, radio-labeled red-cell scintigraphy, and technetium-99m per-technetate scintigraphy also failed to detect the source of bleeding.

Thirteen days after admission, retrograde double-balloon enteroscopy revealed a large diverticulum in the distal part of the ileum and a small ulcer was identified within the diverticulum (Figure 1). The ileal diverticulum, 10 cm in size, was also seen on barium-contrast radiography of the small intestine (Figure 2). A presumptive diagnosis of Meckel’s diverticulum was made and the patient underwent laparoscopy. A Meckel’s diverticulum measuring 10 cm in diameter was found approximately 70 cm proximal to the ileocecal junction (Figure 3), and this was resected laparoscopically. Macroscopically, an ulcer scar was identified in the diverticulum (Figure 4). Histological examination showed ectopic gastric mucosa surrounding the ulcer scar (Figure 5). The postoperative course was uneventful and the patient remains in complete remission 6 months after resection of the diverticulum.

Meckel’s diverticulum is the most common congenital anomaly of the gastrointestinal tract, with an incidence at autopsy of 0.3%–4% [1, 2]. The diverticulum is usually situated 40–130 cm from the ileocecal junction and is therefore difficult to detect endoscopically before surgery [3]. However, double-balloon enteroscopy, developed by Yamamoto et al. [4], enables examination of the entire gastrointestinal tract.
small intestine, and we were able to visualize this patient's Meckel's diverticulum of the ileum using this procedure. To our knowledge, this is the third report of a Meckel's diverticulum diagnosed preoperatively by double-balloon enteroscopy.

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