A 56-year-old man was admitted to hospital because of upper abdominal pain and mild fever for 2 weeks. One month previously, the patient had undergone resection of the body and tail of the pancreas and splenectomy for pancreatic malignant tumor, and 2 weeks ago, the patient experienced abdominal pain with mild fever. Enhanced computed tomography (CT) showed a blurred fat space in front of the pancreatic head and swelling of the intestinal wall (▶ Fig. 1a). The symptoms gradually worsened and vomiting occurred a few days before admission. Repeat CT showed a round, low-density mass (diameter 4.6 cm) near the pancreatic head (▶ Fig. 1b). Clinicians considered the diagnosis of pancreatic pseudocyst with infection. Endoscopic ultrasonography (EUS)-guided cyst aspiration was planned. Endoscopy revealed a large protuberance in the posterior wall of the antrum, several ulcers on the surface (▶ Fig. 2), and stenosis of the antrum. EUS showed an elliptical, uneven, hypoechoic mass near the pancreatic head (▶ Fig. 3a), and fluid movement within the mass.
Color Doppler ultrasound showed dis-
order of blood flow within the mass 
(Fig. 3b), and pulse Doppler ultra-
sound detected different types of blood 
flow (Video 1). A diagnosis of pseu-
doaneurysm was confirmed. 
The patient underwent emergency sur-
gery. Massive hematemesis occurred 
after tracheal intubation under general 
anesthesia. Immediate laparotomy con-
firmed a pseudoaneurysm of the celiac 
artery trunk, which had ruptured into 
the gastric cavity; successful repair was 
performed. 
Pancreatic pseudoaneurysms are rare 
complications of acute or chronic pan-
creatitis [1]. Surgery is another cause of 
pancreatic pseudoaneurysm [2]. The 
main clinical symptom is abdominal or 
digestive tract hemorrhage, with a high 
mortality rate. Contrast-enhanced CT 
angiography and digital subtraction 
angiography are the main methods used 
to diagnose pancreatic pseudoaneurysm 
[3]. EUS is also an effective method of 
diagnosis.

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Competing interests
The authors declare that they have no con-
flict of interest.

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