Endosonography-guided gallbladder drainage (EUS-GBD) is increasingly performed in cholecystitis patients who are not candidates for surgery, with similar success rates and fewer adverse events compared to percutaneous drainage, and with good long-term outcomes [1–3]. EUS-GBD is also preferred over endoscopic transpapillary naso-gallbladder drainage (ET-GBD) as it is associated with higher success rates and lower rates of recurrent cholecystitis [4].

An 88-year-old bedridden man with a history of rheumatoid arthritis and cerebral infarction was admitted for treatment of interstitial pneumonia. After 2 months in hospital, he was referred to the gastroenterology department because of severe right upper quadrant pain. Contrast computed tomography (CT) revealed a severely inflamed gallbladder, intestinal malrotation, moderate ascites, and the Chilaiditi sign (Fig. 1). The patient was judged to be unfit to undergo surgery.
Percutaneous gallbladder drainage was not possible due to ascites and the presence of bowel between the diaphragm and the liver. As the patient was taking clopidogrel, ET-GBD was planned. Esophagogastroduodenoscopy was performed under fluoroscopic guidance and confirmed intestinal malrotation (▶ Fig. 2). While bile duct cannulation was, with some difficulty, achieved during endoscopic retrograde cholangiopancreatography, the guidewire could not be advanced into the gallbladder. EUS-GBD was therefore performed after temporary discontinuation of the clopidogrel therapy. A forward-viewing endosonoscope (TGF-UC260J; Olympus Corp., Tokyo, Japan) was used for the EUS-GBD due to the intestinal malrotation. A 19-gauge needle was used to puncture the neck of the gallbladder and a guidewire was advanced. After mechanical dilation, a second guidewire was placed and two plastic stents were successfully placed in the gallbladder (▶ Fig. 3, ▶ Video 1). The patient’s symptoms and inflammatory markers both improved rapidly after the procedure. Follow-up CT showed no air or bile leakage (▶ Fig. 4).

EUS-GBD is an attractive option in patients with intestinal malrotation, as ET-GBD is particularly difficult in this population. Use of a forward-viewing endosonoscope was beneficial for selecting the puncture point and deploying plastic stents in this patient.

**Competing interests**

The authors declare that they have no conflict of interest.

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