A 57-year-old woman presented to our unit for jaundice related to pancreatic cancer with a previously stented duodenal stricture. As the duodenal papilla or choledochus was not reachable, endoscopic ultrasound (EUS)-guided gallbladder biliary drainage was achieved by cholecystogastrostomy with a lumen-apposing metal stent (LAMS) (Axios 10 mm; Boston Scientific, Marlborough, Massachusetts, USA).

A few days after the procedure, jaundice worsened, and the patient lost 2 g/dL of hemoglobin. A computed tomography scan showed bleeding in the gallbladder with clots obstructing the bile ducts (▶Fig. 1). An upper gastrointestinal endoscopy was then performed (▶Video 1). Spontaneous passage into the gallbladder with a standard scope was not possible through the LAMS, and we therefore performed a 11.5 mm balloon dilation in an attempt to pass the standard scope; however, this was unsuccessful. We then used an ultrathin scope (UTS). After washing out the blood clot, an active bleed spurting from a Dieulafoy-like lesion of the gallbladder was evident (▶Fig. 2). Hemostasis was performed using argon plasma coagulation because no other endotherapy tool was usable in the tiny operating channel of the UTS (▶Fig. 3). The patient did not present any recurrence of bleeding, jaundice regressed, and she was able to resume chemotherapy (▶Video 1).

This bleeding might be secondary to the puncture of the gallbladder by the cystotome because of its location just in front of the LAMS prosthesis.

EUS-guided gallbladder drainage is mostly used in cases of cholecystitis [1]. Biliary drainage by cholecystogastrostomy with LAMS has been described as a rescue therapy, with a clinical success of >90% [2]. Peroral cholecystoscopy using a UTS through a LAMS is possible and has been used for diagnosis and therapeutic purposes with targeted gallbladder biopsies or endoscopic gallstone removal [3]. The use of APC with ultraslim endoscope for peroral endoscopic hemostasis of the gallbladder is also feasible and effective.

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Competing Interest

The authors declare that they have no conflict of interest.

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