A 54-year-old man presented with jaundice and an elevated serum bilirubin level of 11.86 mg/dL after radiofrequency ablation of hepatic metastases from rectal carcinoma. A high-grade stenosis at the common bile duct (CBD) was diagnosed on endoscopic retrograde cholangiography (ERC), and computed tomography showed a 7-cm intrahepatic biloma compressing the CBD (Fig. 1). A subsequent attempt to bypass the biloma by percutaneous transhepatic biliary drainage (PTBD) failed because the exit of the biloma could not be probed. A pigtail catheter was placed to drain the biloma externally (Fig. 2, Fig. 3).

In a second procedure the patient underwent ERC and PTBD simultaneously. The biloma was successfully probed by ERC with a guide wire, which was caught and extracted with a gooseneck snare via the PTBD access (Fig. 4) to achieve a pathway through the biloma (Fig. 5). A pigtail catheter was positioned with its tip lying in the duodenum and its side holes in the bile duct peripheral to the biloma. The regression of the patient’s serum bilirubin concentration to 0.91 mg/dL and complete occlusion of the biloma 6 months after the procedure showed this treatment strategy to have been successful (Fig. 6).

In our patient, wall necrosis of a central bile duct after radiofrequency ablation led to a valve mechanism that induced formation of a large biloma obstructing the CBD; this in turn led to overpressure, ending in a vicious circle. In this case, it was necessary to puncture the necrotic bile duct accurately and place an internal drain that would bridge the leak and drain the biloma by generating a low-pressure system distal and proximal to the leakage – otherwise the valve mechanism would persist and the leak would remain open. Combining ERC and PTBD in a “rendezvous” technique avoided further surgery.

**Competing interests:** None

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