An 80-year-old man presented to our hospital with pain in the right upper quadrant of the abdomen that started 2 weeks prior to presentation. Laboratory analysis showed elevated C-reactive protein without leukocytosis. A transabdominal ultrasound showed dilated intrahepatic and extrahepatic bile ducts and gallbladder deposits. After obtaining informed consent, endoscopic ultrasonography (EUS) was pursued to explore the etiology for this biliary abnormality. EUS revealed cholelithiasis, features suggestive of cholecystitis, and a dilated common bile duct (CBD). The cholangioscope was introduced into the CBD and a Clonorchis sinensis body was visible. The opening of the cystic duct was directly observed under cholangioscopy. C. sinensis parasites were visible through direct cholangioscopy into the intrahepatic bile duct. The C. sinensis body was removed using an elongated basket.

Praziquantel was administered for 3 days after the procedure to treat C. sinensis. Clonorchiasis is a common biliary parasitic disease [1]. The diagnosis of clonorchiasis is generally made by identifying the parasite eggs in fecal samples. However, our patient had tested negative for C. sinensis in stool. Studies have shown that cholangioscopy can improve the diagnostic rate of biliary diseases while reducing the use of X-rays [2–4]. In the present study, cholangioscopy facilitated the diagnosis and retrieval of biliary parasites.

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Conflict of Interest

The authors declare that they have no conflict of interest.

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