A 48-year-old woman underwent living donor liver transplantation (LDLT) for primary sclerosing cholangitis 10 years ago. To manage a refractory anastomotic biliary stricture after LDLT, a plastic stent was placed in the bile duct as an inside stent (above the sphincter of Oddi) and endoscopic retrograde cholangiography (ERCP) was performed periodically for inside stent replacement. Most recently, a nylon-threaded plastic stent (8.5-Fr × 9-cm; Through & Pass; Gadelius Medical, Tokyo, Japan) had been placed as an inside stent across the biliary stricture 6 months previously (▶Fig. 1 and ▶Fig. 2). Duodenoscopy now identified the thread that was emerging into the duodenum (▶Fig. 3). In our technique, first, the thread was gripped using a rotatable grasping forceps (FG-44NR-1; Olympus, Tokyo, Japan) (▶Fig. 4). Second, the grasping forceps was slowly rotated to roll the thread as if twirling spaghetti with a fork. The inside stent gradually moved toward the papilla as the forceps was being rotated and was then removed through the endoscope (▶Video 1). Finally, a new inside stent (Through & Pass) of the same size as the previous one was placed across the stricture. The procedure was completed without complications.

Benign biliary strictures are a clinically common and serious complication, occurring in 30%–40% of patients undergoing LDLT [1, 2]. Inside stents have long-term patency compared with conventional stents that are placed across the duodenal papilla, because of their reduced reflux of duodenal contents [3, 4]. This suggests that inside stent placement might be the first-line treatment for post-LDLT biliary strictures. Recently, threaded inside stents have become commercially available to facilitate inside stent removal; however, because the thread is made of nylon, it may slip if it is merely grabbed. Because the thread can be difficult to grasp with a device or can break, stent removal can be difficult. The method presented in this report appears safer and more reliable than merely grabbing the thread.

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Competing interests

The authors declare that they have no conflict of interest.

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CORRECTION
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In the above-mentioned article, the institution of the authors has been corrected. This was corrected in the online version on October 21, 2021.