Pancreatic fluid collections may recur after successful endoscopic drainage [1–3], particularly in patients with underlying pancreatic duct abnormalities [4]. In addition, transgastric drainage of pancreatic tail collections may be impossible in patients with splenic vein thrombosis and gastric varices.

We treated five patients with recurrent pancreatic fluid collections of the pancreatic tail by endoscopic ultrasound-guided drainage of the collection into the fourth portion of the duodenum. All patients had previously undergone transmural, transpapillary, and/or percutaneous drainage of a pancreatic fluid collection and subsequently developed recurrent collections. Four patients met diagnostic criteria for disconnected pancreatic duct syndrome [4]. None of the collections were anatomically accessible to drainage through the proximal duodenum; four patients had splenic vein thrombosis with gastric varices.

Drainage was technically successful in all patients (Fig. 1, 2), with resolution of the collection on CT or magnetic resonance scans. We placed 7-Fr and 10-Fr double-pigtail plastic stents into the collections. No complications were observed. After stent removal, one patient underwent distal pancreatectomy for pancreatitis, and another had a recurrent fluid collection treated with repeat endoscopic drainage into the fourth portion of the duodenum. The other patients remain well up to 34 months after stent removal. Follow-up imaging studies showed atrophy of the pancreatic tail in all cases.

Our experience demonstrates that drainage of pancreatic fluid collections into the distal duodenum under endoscopic ultrasound guidance is feasible and appears safe, and may provide extended benefit for some patients who would otherwise require distal pancreatectomy. The relatively thin duodenal wall may allow a prolonged or even persistently patent pancreaticoduodenal fistula to drain the pancreatic tail [5]. This approach may benefit patients with symptomatic collections and disconnected pancreatic duct syndrome.

**Competing interests:** None

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