A 71-year-old woman with history of surgical sphincteroplasty for a benign ampullary stricture presented with recurrent episodes of acute pancreatitis. An endoscopic retrograde cholangiopancreatography (ERCP) showed the common bile duct outlet separated from the ampulla, and distal stenosis of the ventral pancreatic duct. A pancreatic sphincterotomy was carried out, followed by the placement of a straight plastic 5-Fr × 3 cm stent into the pancreatic duct (Fig. 1). Post procedure computed tomography, carried out for abdominal pain, showed the pancreatic stent lying within the head of the pancreas (Fig. 2a). An abdominal radiograph obtained 10 days later showed the stent in the area of the hepatic flexure, suggesting spontaneous distal migration (Fig. 3). After 2 months, the patient presented with cholangitis. Abdominal CT revealed a bright linear object extending from the common hepatic duct to the right intrahepatic biliary tree (Fig. 2b). An ERCP was done and the 5-Fr × 3 cm plastic pancreatic duct stent was removed from the right intrahepatic biliary tree using a biliary extraction balloon catheter. Distal spontaneous migration is common among 5-Fr × 3 cm pancreatic duct stents that do not have a flange on the pancreatic duct side; the migration rate is up to 96.7% by day 3 [1]. Proximal migration occurs in up to 5% of cases [2]. We present an unusual case of pancreatic stent migration where the stent migrated distally into the duodenum and then migrated into and far up the biliary tree, causing cholangitis. Surgical sphincteroplasty probably allowed entry of the straight stent into the biliary tree. We suggest the use of single-pigtail pancreatic duct stents in patients with altered ampullary anatomy to decrease the risk of such occurrences.

**Fig. 1** Endoscopic view of the second portion of the duodenum in a 71-year-old woman with history of surgical sphincteroplasty for a benign ampullary stricture and recurrent episodes of acute pancreatitis. The pancreatic duct stent sits in the pancreatic duct; the arrowhead indicates the location of the biliary opening.

**Fig. 2** a Computed tomography (CT) scan of the abdomen on the day of the procedure shows the pancreatic duct stent at the head of the pancreas. b After 2 months, the stent was seen within the right intrahepatic duct.

**Fig. 3** X-ray of the abdomen 10 days after pancreatic stent placement.
Competing interests: None

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DOI http://dx.doi.org/10.1055/s-0033-1344773
Endoscopy 2013; 45: E324–E325
© Georg Thieme Verlag KG Stuttgart · New York
ISSN 0013-726X

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