Soehendra stent retriever – a useful device for pancreatic pseudocyst drainage

A 52-year-old patient with chronic pancreatitis was admitted for drainage of two symptomatic pancreatic pseudocysts. Endoscopic ultrasonography (EUS) showed pseudocysts in the pancreatic body and head of 50 × 40 mm and 30 × 20 mm in size, respectively.

We first performed transgastric drainage of the pancreatic body pseudocyst, using a lumen-apposing stent. In the same session, we approached the pancreatic head pseudocyst. A transduodenal puncture of the cyst was made with a 19-gauge needle (Fig. 1). A cystotome was used, but it failed to get through the hard and thick cystic wall (Fig. 2a). A through-the-scope balloon dilation was attempted, but without success. A 10-Fr Soehendra stent retriever (SSR) was then introduced through the scope over the guidewire (Fig. 2b). As when it is used for difficult biliary stenoses [1, 2], we performed clockwise rotational movements while pushing the device into the cavity. An outpouring of the contents of the cyst into the duodenum was seen and a double-pigtail stent (8.5 Fr) was then inserted to drain the pseudocyst.

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Fig. 4 Endoscopic images showing: a the content of the cyst draining into the duodenum after the pseudocyst had been accessed; b a double-pigtail stent that was inserted for pseudocyst drainage.

Bibliography
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