Disconnected pancreatic duct syndrome (DPDS) is sometimes complicated by walled-off necrosis (WON) and is associated with a prolonged disease course [1,2]. Treatment with endoscopic pancreatic stenting to bridge the disconnected pancreatic duct is useful, but it is technically challenging in many cases [3–5]. Here, we report a case of successful bridging with an endoscopic pancreatic stent for DPDS using the rendezvous technique from a WON cavity into which a lumen-apposing metal stent (LAMS) was placed.

A 46-year-old woman had infected WON complicated by necrotizing pancreatitis due to hyperparathyroidism. The WON was multilocular and forming cavities in the pancreatic head and body (▶Fig. 1). Furthermore, the pancreatic duct was disrupted in the pancreatic body, and disconnected in the pancreatic head (▶Fig. 2a).

First, endoscopic ultrasound (EUS)-guided transmural drainage was performed using an electrocautery-enhanced LAMS system to drain the infected pancreatic body cavity. The infection improved, but the patient’s symptoms of abdominal pain associated with pancreatic leakage did not improve. Transpapillary bridging endoscopic pancreatic stenting was therefore attempted to repair the pancreatic duct disruption; however, the approach to the tail side of the pancreatic duct across the disconnected pancreatic duct at the pancreatic head was unsuccessful (▶Fig. 2b).

A rendezvous technique was then attempted by approaching from the pancreatic duct disruption (▶Video 1). An upper gastrointestinal endoscope was inserted into the previously placed LAMS to identify the point of pancreatic duct disruption. From here, it was possible to insert a guidewire across the disconnected pancreatic duct into the duodenum through the minor papilla. A duodenoscope was inserted, and biopsy forceps were used to grasp the guidewire and pull it into the scope (▶Fig. 3a). A double-lumen catheter was inserted alongside the guidewire, and a second guidewire was inserted into the tail side of the pancreatic duct. After balloon dilation of the minor papilla had been performed, a bridging pancreatic duct stent was successfully placed (▶Fig. 3b). The patient’s symptoms of abdominal pain
improved after this successful endoscopic treatment.

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Conflict of Interest

The authors declare that they have no conflict of interest.

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