A case of massive bleeding after endoscopic sphincterotomy in a patient with a history of large walled-off pancreatic necrosis in the area of the pancreatic groove

Walled-off pancreatic necrosis (WOPN) associated with severe acute pancreatitis is sometimes fatal [1]. Interventional endoscopic ultrasonography has improved clinical outcomes; however, the long-term prognosis in such cases remains unknown [2,3]. WOPN extending to the area of the pancreatic groove has been reported to cause structural abnormalities to the bile duct, with the presence of abnormal blood vessels [4].

A 73-year-old man was hospitalized for choledocholithiasis. He had undergone direct endoscopic necrosectomy 7 years previously for a large WOPN due to idiopathic severe acute pancreatitis (Fig. 1). The WOPN had extended widely into the groove area. Magnetic resonance cholangiopancreatography for recurrent epigastric pain revealed multiple choledocholithiasis. Computed tomography revealed pneumobilia but no pseudoaneurysm or abnormal vascular growth in the pancreatic arcade.

Initial ERCP showed abnormal hardness of the major papilla and severe structural distal bile duct abnormality without a duodenal diverticulum (Fig. 3). A medi-

▶ Fig. 1 In a 73-year-old man hospitalized for choledocholithiasis, walled-off pancreatic necrosis (WOPN) 7 years previously had extended widely into the area of the pancreatic groove.

▶ Fig. 2 Computed tomography revealed pneumobilia in the distal bile duct (arrowheads) but no pseudoaneurysm or abnormal vascular growth in the pancreatic arcade.

▶ Fig. 3 Hardness of the ampulla of the major papilla (black arrowheads) and severe structural abnormality of the distal bile duct (white arrowheads) were considered to be the results of inflammatory spread of the WOPN.

Video 1 Endoscopic hemostasis with placement of a self-expandable metallic stent for massive postendoscopic sphincterotomy bleeding.
A case of advanced inflamed walled-off pancreatic necrosis (WOPN) with intrapancreatic biliary communication – a case report

Shuhei Shintani, Osamu Inatomi, Yoshiya Takeda, Takehide Fujimoto, Shigeki Bamba, Hiromu Kutsumi, Akira Andoh 1 Department of Medicine, Shiga University of Medical Science, Otsu, Shiga, Japan 2 Department of Endoscopy, Shiga University of Medical Science, Otsu, Shiga, Japan 3 Center for Clinical Research and Advanced Medicine, Shiga University of Medical Science, Otsu, Shiga, Japan

Corresponding author
Shuhei Shintani, MD
Department of Medicine, Shiga University of Medical Science, Seta Tsukinowa, Otsu 520-2192, Japan
ss0513@belle.shiga-med.ac.jp

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The authors

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