A 75-year-old man previously presented with gastric outlet obstruction caused by a pyloric peptic stricture, which did not respond to balloon dilation. He required surgical treatment with a Roux-en-Y reconstruction in 2011. Four years later, he presented an episode of cholecystitis, and an open partial cholecystectomy was performed after discovery of gallbladder empyema. Postoperative biliary leakage occurred, with drainage of 350mL/day through external drains. A magnetic resonance cholangiopancreatography confirmed the presence of a biliary collection and a cystic duct leak (Fig. 1).

Endoscopic retrograde cholangiopancreatography (ERCP) was attempted using double-balloon enteroscopy to reach the native papilla through the afferent limb. Cannulation with a Soehendra BII sphincterotome was successful, and a Jagwire was introduced into the bile duct. Contrast material was then injected to confirm the cystic duct leak (Fig. 2a). A small sphincterotomy was performed, and a 7 Fr × 10 cm plastic stent was placed in the bile duct (Fig. 2b, Video 1). After the procedure the bile drainage decreased to 30mL/day, and disappeared.

**Video 1**

Treatment of a bile duct leak with endoscopic retrograde cholangiopancreatography double-balloon enteroscopy in a patient with Roux-en-Y reconstruction.
completely after a week. The stent was removed using a double-balloon enteroscope 4 weeks later.

Roux-en-Y entero-enteric anastomosis of the small bowel is a common surgical technique used in gastrectomy procedures and bariatric surgical malabsorption procedures. Following this surgery, drainage of the biliopancreatic system is via an afferent jejunal limb that cannot be accessed by conventional endoscopy [1]. Double-balloon enteroscopy has been used successfully for ERCP in patients with Roux-en-Y reconstruction, with enteroscopy success in 89% and ERCP success in 82% [2 – 3].

Endoscopy_UCTN_Code_TTT_1AP_2AD

Competing interests: None

Gerardo Blanco-Velasco,
Juan Manuel Blanças-Valencia,
Oscar Víctor Hernández-Mondragón,
Aracely Muñoz-Bautista,
Maria Lourdes Altamirano-Castañeda,
Héctor Chavez-Piña

Department of Endoscopy, Hospital de Especialidades, Centro Médico Nacional Siglo XXI, Instituto Mexicano del Seguro Social, Mexico City, Mexico

References
3 Skinner M, Poppa D, Neumann H et al. ERCP with the overtube-assisted enteroscopy technique: a systematic review. Endoscopy 2014; 45: 560 – 571

Bibliography
DOI http://dx.doi.org/10.1055/s-0042-108568
Endoscopy 2016; 48: E197–E198
© Georg Thieme Verlag KG
Stuttgart · New York
ISSN 0013-726X

Corresponding author
Gerardo Blanco-Velasco, MD
Department of Endoscopy
Hospital de Especialidades
Centro Médico Nacional Siglo XXI
Instituto Mexicano del Seguro Social
Av. Cuauhtemoc 330
México D.F. 03100
Mexico
Fax: +52-55-740535
gerardoblancov@hotmail.com


This document was downloaded for personal use only. Unauthorized distribution is strictly prohibited.