An unusual cause of acute cholangitis

Endoscopic treatment can be challenging in patients presenting with biliary adverse events and a biliodigestive diversion. Multiples approaches have been described. In the past decade, an overall technical success of 80–86% [1–3] of enteroscopy-assisted endoscopic retrograde cholangiopancreatography (ERCP) has been described.

Herein, we report the original case of a 65-year-old patient with sickle cell disease who was referred to our department for an unusual acute cholangitis. The patient had undergone biliodigestive Anastomosis and Roux-en-Y jejunal loop 25 years ago because of refractory macrolithiasis of the common bile duct. Of note, patients with sickle cell disease are prone to developing biliary adverse events [4].

The patient presented with fever and jaundice. The abdominal computed tomography (CT) scan confirmed the dilatation of the whole biliary tract and revealed a contiguous dilatation of the jejunal loop upstream of an impacted stone of 30 mm (▶ Fig. 1). Once the absence of another cause of biliary obstruction was confirmed by magnetic resonance cholangiopancreatography (MRCP) [5], hybrid enteroscopy-assisted ERCP was proposed for the patient.

The enteroscopy was performed under general anesthesia, using a 3.2-mm working channel double-balloon enteroscope (EN-580T, Fujifilm, Tokyo, Japan). The push-and-pull technique was used to progress through the small bowel and the biliary loop was easily catheterized. Approximately 40 cm beyond the anastomosis, we identified a large biliary stone completely obstructing the lumen, impacted on a relative stenosis (▶ Fig. 2). Lithotripsy was performed using 30-mm braided snare (Lariat; Life Partners Europe, Bagnolet, France) (▶ Video 1). After multiple passes, the stone was completely broken up and the obstruction eliminated. The patient recovered well and was discharged 3 days later. The abdominal CT scan performed 1 month later confirmed the absence of residual stones.

The authors declare that they have no conflict of interest.

Competing interests

The authors

Guillaume Perrod
Enrique Pérez-Cuadrado-Robles
Hedi Benosman
Hadrien Alric
Christophe Cellier
Gabriel Rahmi

Gastroenterology and Digestive Endoscopy Department, Georges Pompidou European Hospital, AP-HP Centre – Université de Paris, Paris

Endoscopy_UCTN_Code_TTT_1AR_2AH

The authors

The authors declare that they have no conflict of interest.
Video 1 An unusual cause of acute cholangitis.

Corresponding author

Guillaume Perrod, MD
Gastroenterology and Digestive Endoscopy Department, Georges Pompidou European Hospital, AP-HP Centre – Université de Paris, 20 Rue Leblanc, 75015 Paris
guillaume.perrod@aphp.fr

References


ENDOSCOPY E-VIDEOS
https://eref.thieme.de/e-videos

Endoscopy E-Videos is a free access online section, reporting on interesting cases and new techniques in gastroenterological endoscopy. All papers include a high quality video and all contributions are freely accessible online.

This section has its own submission website at https://mc.manuscriptcentral.com/e-videos