

Laparoscopy-Assisted Trans-Gastric Rendez-vous for the Treatment of Common Bile Duct Stones in Patients with Prior Roux-en-Y Gastric Bypass

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Abstract

Background: Common bile duct (CBD) stones in a Roux-en-Y gastric bypass (RYGB) represent a major challenge for ERCP due to long-limb anatomy. Trans-gastric approach has been proposed but entails high ERCP-related risks. Laparoscopy assisted trans-gastric rendez-vous (LATG-RV) is a one-step procedure that may lower the risks of these patients. **Methods:** We describe our initial experience in four patients with past history of RYGB and CBD stones. **Results:** All patients underwent LATG-RV and had successful CBD stone clearance. Postoperative course was uneventful with normal amylase levels. Average procedure time was 105 min and postoperative stay 2 days. **Conclusion:** LATG-RV is a safe and effective procedure for the clearance of CBD stones in RYGB patients. It may have fewer complications and shorter operative time than regular trans-gastric ERCP..

Keywords

Gastric bypass, Choledocolithiasis, Rendez-vous, Trans-gastric ERCP, Common bile duct stones.