Dislodged Jejunogastric EDGE Stent After Roux-en-Y Gastric Bypass.

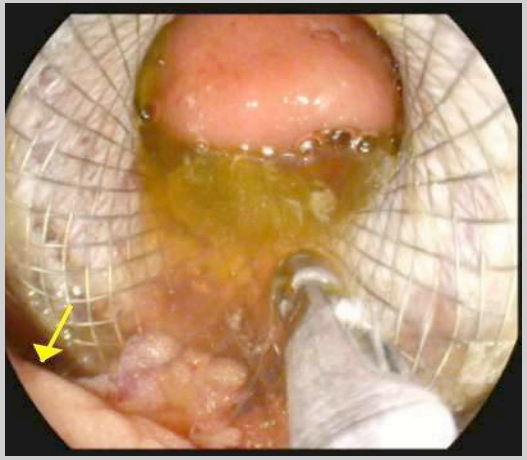
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Introduction:

Cholelithiasis occurs in up to 36% of patients following Roux-en-Y gastric bypass (RYGB).[1] For those with symptoms, laparoscopic cholecystectomy (LC) is performed with complication rates of 5.6%, with bile leak being most common.[2] Endoscopic Ultrasound-Directed transGastric Endoscopic retrograde cholangiopancreatography (ERCP), or EDGE procedure creates an enteroenterostomy to access the biliary system. Complication rate is 21.9% and includes bleeding, persistent fistula and stent migration.[1,3] We report dislodgement of a jejunogastric stent resulting in surgical exploration.



Picture 1. Jejunogastric stent placed below the gastrojejunostomy



Picture 2. Dislodged stent in the peritoneal cavity

Case presentation:

A patient with RYGB anatomy underwent LC that was complicated by bile leak which persistent despite percutaneous drainage. A double balloon enteroscopy- assisted (DBE)-ERCP was unable to access the biliary tree, thus EDGE was performed. Under fluoroscopic and endoscopic guidance, a 20mm x 10mm metal stent was placed into the remnant stomach through a loop of jejunum, and then dilated to 10mmHg (**Picture 1**). The patient was observed for 4 days after which attempts to place a biliary stent lead to dislodgement of the metal stent from the gastric remnant into the peritoneal cavity (**Picture 2**), thus surgery was consulted.

An exploratory laparotomy was performed with metal stent removal, partial gastrectomy, repair of the jejunum, imbrication of the staple line, omental patch and gastrostomy tube placement (**Picture 3**). Biliary drainage resolved and the patient was discharged on post-operative day 10 with planned stent removal by DBE-ERCP in 6 weeks.

Biliary access after RYGB poses a significant challenge. Ongoing review of complications and outcomes is necessary for understanding of the anatomy that is favorable for innovative procedures.





Picture 3a and 3b. Gastric defect with stent in jejunum

References

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