Hepaticojejunostomy to Treat Medically Refractory Bile Reflux after Esophagectomy with Gastric Pull-up

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PROVIDENCE Health & Services

SAGES 2023

THE OREGON CLINIC

Background

- Bile reflux → common functional complication after esophagectomy with gastric pull-up (GPU)
- Medically refractory bile reflux after esophagectomy with GPU is a challenging surgical problem
- Duodenal switch described → potential for graft ischemia & little data on outcomes

Methods

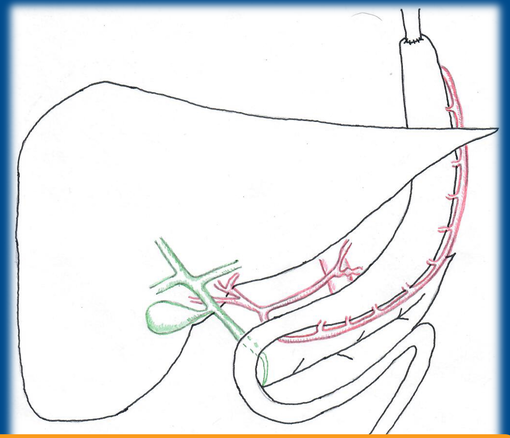
- Retrospective chart review (2017 to 2022) for all patients who underwent GPU by a single surgeon

Results

- Ninety-seven GPU patients, all on PPI afterwards
  - Malignancy most common indication (n=82, 84.5%)
- Fourteen patients with bile reflux (14.4%)
  - Majority (n=11, 78.6%) resolved with medical management

Conclusions

- Patients with end-stage reflux disease undergoing GPU may be at higher risk for bile reflux complications
- First case series demonstrating safety & effectiveness of Roux-en-Y hepaticojejunostomy medically refractory bile reflux after GPU



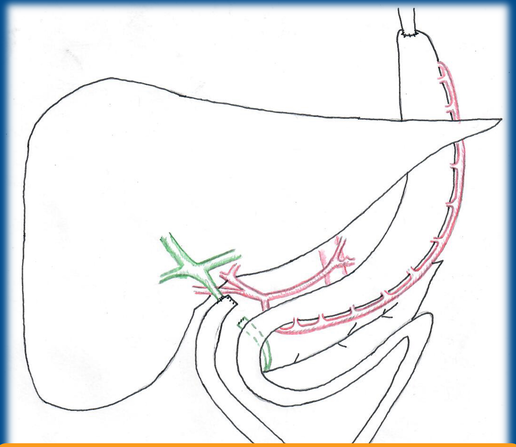
Post GPU Anatomy

Two patients underwent Roux-en-Y HJ

- Initial GPU indication: End-stage reflux disease with long segment Barrett's esophagus after prior fundoplication
- Uncomplicated post-operative course

10-month follow-up

- ✓ Subjective improvement in symptoms
- ✓ Objective improvement on upper endoscopy
- ✓ No bile pooling & esophagitis resolving



Roux-en-Y HJ after GPU