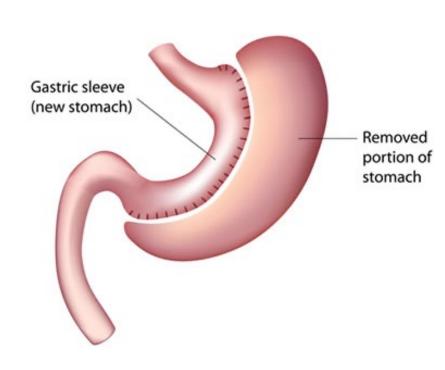


How to Manage Patients with Complications of Bariatric Surgery in the Emergency Department

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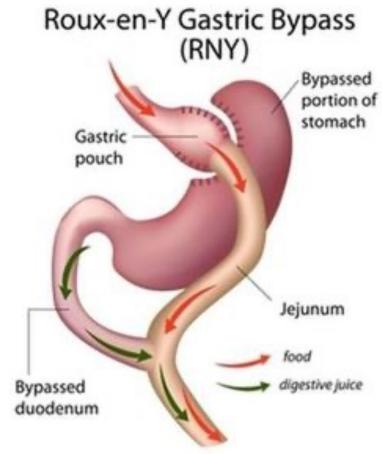
Introduction and Descriptions of Bariatric Surgeries

- Obesity (BMI > 30 kg/m²) is associated with an increased risk of developing chronic diseases, including
- Type 2 diabetes, hypertension, and hyperlipidemia
- Obesity prevalence in American adults aged 20+ in 2015-16 was 39.8%
- Bariatric procedures can be classified as restrictive, malabsorptive, or both
- Restrictive procedures
 - Cause weight loss via a reduction in the amount of food ingested
 - Typically involve excision of part of the stomach
- Malabsorptive procedures
 - Result in weight loss by decreasing the amount of nutrients absorbed from the gastrointestinal tract
- Common procedures in the USA
 - 1. Laparoscopic sleeve gastrectomy
 - A restrictive procedure
 - Involves excision of the greater curvature of the stomach
 - Produces early satiety and weight loss from decreased caloric intake Vertical Sleeve Gastrectomy

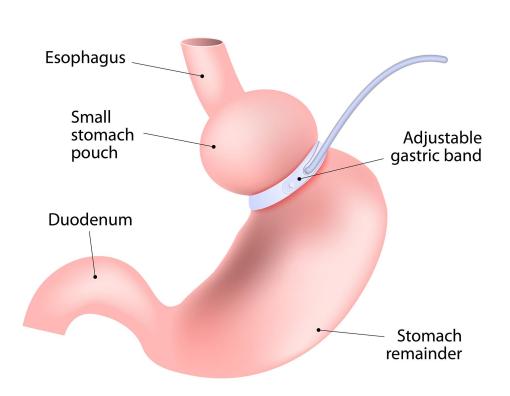


2. Roux-en-Y gastric bypass

- A combined restrictive and malabsorptive procedure
- Attaches the proximal jejunum to a gastric pouch and bypasses the biliopancreatic limb
- Causes weight loss by decreased caloric intake, decreased digestion in the stomach, and decreased absorption in the small bowel



- 3. Laparoscopic adjustable gastric banding
- A restrictive procedure
- A plastic band is placed around the fundus of the stomach, creating a small pouch
- Inflating or deflating the band as needed causes early satiety and decreased oral intake



Citations

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Common Complications of Bariatric Procedures

Procedure	Early Postoperative Complications	Late Postoperative Complications
Laparoscopic sleeve gastrectomy	Staple-line leaksStricturesHemorrhages	RefluxStrictures
Roux-en-Y gastric bypass	 Esophageal/gastric perforation Tight gastric band Early band slippage/prolapse 	 Port-site infections Connector tubing dislodgements/rupture Late band slippage/prolapse Band erosion with intragastric migration
Laparoscopic adjustable gastric banding	 Anastomotic leaks Strictures leading to bowel obstruction Hemorrhages Dumping syndrome 	 Marginal ulcers Internal hernias +/- bowel obstruction Intussusception +/- bowel obstruction Strictures Trocar site/ventral hernias Cholelithiasis Nutritional deficiencies

Clinical Pathway for Emergency Department Management of Patients with Bariatric Surgery Complications

