

Roux Y Gastric Bypass Surgery

Roux-en-Ys are used in several operations and collectively called Roux operations. The device is connected at one end to the beginning of the duodenum (first portion of the small intestine from the stomach) and at the other the mid-jejunum (the secondary stage of the small intestine... Adjustable gastric band surgery is an example of bariatric surgery designed for obese patients with a body mass index (BMI) of 40 or greater—or between 35 and 40 in cases of patients with certain comorbidities that are known to improve with weight loss, such as sleep apnea, diabetes, osteoarthritis, GERD, hypertension (high blood pressure), or metabolic syndrome, among others. The StomaphyX device was patented by EndoGastric Solutions. Stomach stapling is a restrictive technique for managing obesity. The pouch limits the amount of food a patient can eat at one time and slows passage of the food. Stomach stapling is more effective when combined with a malabsorptive technique, in which part of the digestive tract is bypassed, reducing the absorption of calories and nutrients. Combined restrictive and malabsorptive techniques are called gastric bypass techniques, of which Roux-en-Y gastric bypass surgery (RGB) is the most common. In this technique, staples are used to form a pouch that is connected to the small intestine, bypassing the lower stomach, the duodenum, and the first portion of the jejunum. Although initial post-procedure weight loss is evident in some trials, there is doubt as to whether such results are sustained over the long term.

Gastric bypass surgery Gastric bypass surgery refers to a technique in which the stomach is divided into a small upper pouch and a much larger lower “remnant” pouch, where the Gastric bypass surgery refers to a technique in which the stomach is divided into a small upper pouch and a much larger lower “remnant” pouch, where the small intestine is rearranged to connect to both. Any GBP leads to a marked reduction in the functional volume of the stomach, accompanied by an altered physiological and physical response to food. Surgeons have developed several different ways to reconnect the intestine, thus leading to several different gastric bypass procedures (GBP)

Weight loss or Bariatric surgery: In February 2011, the United States Food and Drug Administration (FDA) expanded approval of adjustable gastric bands to patients with a BMI between 30 and 40 and one weight-related medical condition, such as diabetes or high blood pressure. However, an adjustable gastric band may be used only after other methods such as diet and exercise have been tried. This type of weight loss surgery is losing favor as more doctors begin using the adjustable gastric band. The newer adjustable... When describing the

surgery, the Roux limb is the efferent or antegrade limb that serves as the primary recipient of food after the surgery, while the hepatobiliary or afferent limb that anastomoses with the biliary system serves as the recipient for biliary secretions, which then travel through the excluded small bowel to the distal anastomosis at the mid jejunum...

96c635d7d9 In morbidly obese people, bariatric surgery is the most effective treatment for weight loss and reducing complications. A 2021 meta-analysis found that bariatric surgery was associated with reduction in all-cause mortality among obese adults with or without type 2 diabetes. This meta-analysis also found that median life-expectancy was 9.3 years longer for obese adults with diabetes who received bariatric surgery as compared to routine (non-surgical) care, whereas the life expectancy gain was 5.1 years for obese adults without diabetes. The risk of death in the period...

96c635d7d9 Jejunojejunostomy, surgery that connects two portions of small intestine and is no longer used 96c635d7d9 Adjustable gastric band or "lap band", a band creates a pocket in the stomach that can be adjusted with a port placed just under the skin 96c635d7d9 Roux-en-Y gastric bypass surgery, the small intestine is connected to the upper part of the stomach 96c635d7d9

Revision weight loss surgery minority of instances prior surgery may have resulted in extensive scarring, requiring open surgery. Roux-en-Y gastric bypass is a commonly chosen revision Revision weight loss surgery is a surgical procedure that is performed on patients who have already undergone a form of bariatric surgery, and have either had complications from such surgery or have not achieved significant weight loss results from the initial surgery. Procedures are usually performed laparoscopically, though open surgery may be required if prior bariatric surgery has resulted in extensive scarring 96c635d7d9

== Medical uses == 96c635d7d9

Roux-en-Y anastomosis Some gastric bypasses for obesity. people who have had a Roux-en-Y anastomosis. Typically, it is between stomach and small bowel that is distal (or further down the gastrointestinal tract) from the cut end. Multiple failed Nissen fundoplication surgeries. Roux-en-Y reconstruction following In general surgery, a Roux-en-Y anastomosis, or Roux-en-Y, is an end-to-side surgical anastomosis of bowel used to reconstruct the gastrointestinal tract 96c635d7d9

== Overview == 96c635d7d9 Partial ileal bypass surgery, shortening the final portion of the small intestine 96c635d7d9

Duodenal-jejunal bypass liner mimicking the effects of the biliopancreatic portion of Roux en-Y gastric bypass (RYGB) surgery. This reduces the amount of calories absorbed and causes Duodenal-Jejunal Bypass Liner, or Gastric Bypass

Stent, Common brand names include EndoBarrier, is an implantable medical device in the form of a thin flexible 60 cm-long tube that creates a physical barrier between ingested food and the duodenum/proximal jejunum. The duodenal-jejunal bypass liner is delivered endoscopically and has been tested on the morbidly obese (those with a body mass index [BMI] greater than 40) as well as obese patients with a BMI less than 40, particularly those with difficult-to-manage type 2 diabetes. Despite a handful of serious adverse events such as gastrointestinal bleeding, abdominal pain, and device migration — all resolved with device removal — initial clinical trials have produced promising results in the treatment's ability to improve weight loss and glucose homeostasis outcomes. The duodenal-jejunal bypass liner prevents the interaction of food with enzymes and hormones in the proximal intestine to treat type 2 diabetes and obesity 96c635d7d9

Cardiopulmonary bypass, a technique used in coronary artery bypass surgery 96c635d7d9

Bypass surgery Adjustable gastric band or "lap band", a band creates a pocket in the stomach that can be adjusted with a port placed just under the skin Roux-en-Y gastric bypass Bypass surgery refers to a class of surgery involving rerouting a tubular body part 96c635d7d9

Vertical banded gastroplasty surgery or "stomach stapling", the upper part of the stomach is permanently stapled to create a smaller pouch 96c635d7d9

Bariatric surgery Long-term weight loss with bariatric surgery may be achieved through alteration of gut hormones, physical reduction of stomach size, reduction of nutrient absorption, or a combination of these. Standard of care procedures include Roux en-Y bypass, sleeve gastrectomy, and biliopancreatic diversion with duodenal switch, from which weight loss is largely achieved by altering gut hormone levels responsible for hunger and satiety, leading to a new hormonal weight set point. Laparoscopic bariatric surgery requires Bariatric surgery (also known as metabolic surgery or weight loss surgery) is a group of surgical procedures used to manage obesity and related conditions. received a Roux-en-Y gastric bypass. Both of the effects were fewer than those reported with adjustable gastric banding 96c635d7d9

== Procedures == 96c635d7d9

Sleeve gastrectomy such as a gastric bypass or duodenal switch. A meta-analysis of 174,772 participants published in The Lancet in 2021 found that bariatric surgery was associated Sleeve gastrectomy or vertical sleeve gastrectomy, is a

surgical weight-loss procedure, typically performed laparoscopically, in which approximately 75 — 85% of the stomach is removed, along the greater curvature, which leaves a cylindrical, or "sleeve"-shaped stomach the size of a banana. Patients can lose 50-70 percent of excess weight over the course of the two years that follow the surgery. The procedure is irreversible, though in some uncommon cases, patients can regain the lost weight, via resumption of poor dietary habits, or dilation of the stomach over time, which can require gastric sleeve revision surgery to either repair the sleeve or convert it to another type of weight loss method that may produce better results, such as a gastric bypass or duodenal switch. Weight loss is affected not only through the reduction of the organ's size, but also by the removal of the portion of it that produces ghrelin, the hormone that stimulates appetite 96c635d7d9

== How it works == 96c635d7d9 An adjustable gastric band is an inflatable silicone prosthetic device that is placed around the top portion of the stomach. This procedure can be performed as a revision procedure for many patients who have had a previous stomach stapling, gastroplasty procedure, or Roux-en-Y gastric bypass surgery but have regained weight. The procedure is normally performed laparoscopically, though in a small minority of instances prior surgery may have resulted... 96c635d7d9 == Working principle == 96c635d7d9 With the increase in the number of weight loss surgeries performed every year, there are growing numbers of individuals who have experienced an unsatisfactory result from their bariatric procedures. There are several weight loss surgery options, some of which may limit later options for revision weight loss surgery. 96c635d7d9

Vertical banded gastroplasty surgery In this technique, staples are used Vertical banded gastroplasty (VBG), also known as stomach stapling, is a form of bariatric surgery for weight control. In the bottom of the pouch is an approximate one-centimeter hole through which the pouch contents can flow into the remainder of the stomach and hence on to the remainder of the gastrointestinal tract. techniques are called gastric bypass techniques, of which Roux-en-Y gastric bypass surgery (RGB) is the most common. The VBG procedure involves using a band and staples to create a small stomach pouch 96c635d7d9

In on-pump bypass surgery, a heart-lung machine is used; in off-pump bypass surgery, the surgeon stabilizes the heart without use of the machine. 96c635d7d9 Types include: 96c635d7d9 Popliteal bypass surgery, to treat diseased leg arteries above or below the knee 96c635d7d9 The operation is prescribed to treat severe obesity (defined as a body mass index greater than 40), type 2 diabetes, hypertension, obstructive sleep apnea and other comorbid conditions. Bariatric surgery is the term encompassing all of the surgical treatments for severe obesity, not just gastric bypasses, which make up only one class of such operations. The resulting weight loss, typically dramatic, markedly reduces comorbidities. The long-term mortality rate of gastric bypass patients has been shown to be reduced by up to 40%. As

with all surgery, complications may occur. A study from 2005 to 2006 revealed that 15% of patients experienced complications as a result of gastric bypass, and 0.5% of patients... 96c635d7d9 Ileojejunal bypass, surgery... 96c635d7d9 StomaphyX has been used by bariatric surgeons to further reduce the volume of the small stomach pouch created by gastric bypass procedures. Many patients experience weight regain due to the small stomach pouch stretching over time. The use of an endoscopic procedure to correct this problem is appealing because, if successful, it could reduce risk to the patient that can be associated with more invasive surgical procedures. 96c635d7d9 Vascular bypass surgery such as coronary artery bypass surgery, a heart operation, in which the internal thoracic artery and great saphenous vein are used to bypass the coronary artery. 96c635d7d9

Adjustable gastric band Roux-en-Y gastric bypass surgery (RNY), Biliopancreatic diversion (BPD) and Duodenal Switch (DS)), gastric banding does not A laparoscopic adjustable gastric band, commonly called a lap-band, A band, or LAGB, is an inflatable silicone device placed around the top portion of the stomach to treat obesity, intended to decrease food consumption. g. of weight loss surgery (e 96c635d7d9

A meta-analysis of 174,772 participants published in The Lancet in 2021 found that bariatric surgery was associated with 59% and 30% reduction in all-cause mortality among obese adults with and without type 2 diabetes, respectively. This... 96c635d7d9 Typically, the two upper limbs of the Y represent (1) the proximal segment of stomach and the distal small bowel it joins with and (2) the blind end that is surgically divided off, and the lower part of the Y is formed by the distal small bowel beyond the anastomosis. 96c635d7d9

StomaphyX Following this surgery, the stomach pouch and stomach outlet (stoma) becomes StomaphyX is an endoscopic suturing system designed to treat patients who have had previous Roux-en-Y gastric bypass surgery. Following this surgery, the stomach pouch and stomach outlet (stoma) becomes enlarged in some patients. The StomaphyX device can be used to restrict the size of the stoma without exposing the patient to further surgical risk. designed to treat patients who have had previous Roux-en-Y gastric bypass surgery 96c635d7d9

The name is derived from the surgeon who first described it (César Roux) and the stick-figure representation. Diagrammatically, the Roux-en-Y anastomosis looks a little like the letter Y. 96c635d7d9

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