

Considering Weight Loss Surgery?

Learn why **da Vinci® Surgery** may
be your best treatment option



da Vinci.  **Surgery**

The Condition:

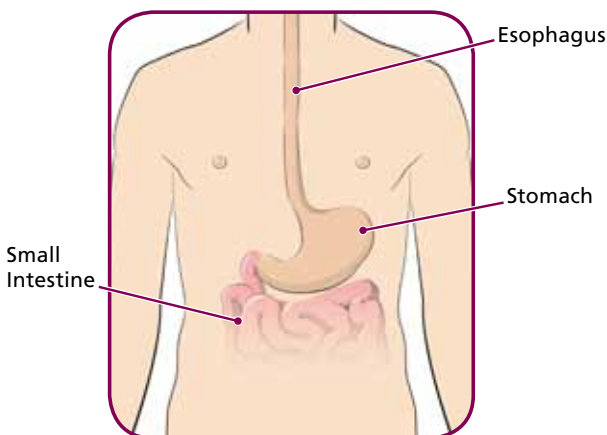
Obesity

Obesity is defined as having excess body fat (a BMI of 30+). While preventable, obesity is a serious medical condition that can negatively affect your health.

Obesity rates have more than doubled since 1980 and now affect 500 million adults worldwide.¹ In the United States, obesity affects 1 in 3 adults and is the second leading cause of preventable death.²

Obesity often leads to other serious health problems such as heart disease, stroke, cancer, arthritis, high blood pressure, sleep apnea, and diabetes – conditions that can cause premature death or disabilities.²

The good news is even modest weight loss can reduce your risk for these diseases or outcomes.²



The Digestive Tract

The Treatment:

Weight Loss Surgery

Weight loss (bariatric) surgery has become an increasingly common treatment choice. Mounting evidence suggests surgery may be among the most effective treatments for obesity and its related diseases.³

The most common procedures are Roux-en-Y gastric bypass, gastric banding, and gastric sleeve surgery.

Gastric bypass surgery permanently reduces your stomach size and reroutes your digestive track - limiting food intake and calorie absorption. During surgery, your stomach is divided to create a small pouch ("new stomach"). The new stomach is connected directly to the small intestine - bypassing the larger part of your original stomach and the first part of your small intestines. Because your new stomach is much smaller, so is the amount of food it can hold.⁴

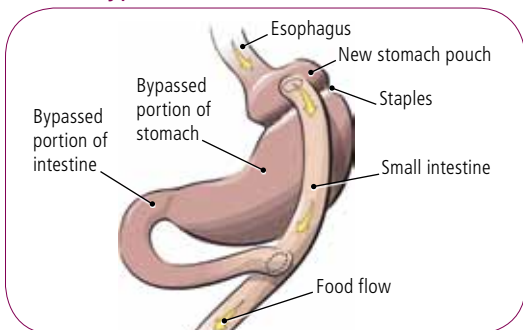
Gastric band surgery reduces stomach size using an adjustable band wrapped around the upper part of the stomach. It is reversible, but the long-term complication rates, band removal, and failure to achieve a healthy weight are fairly high.⁵

During gastric sleeve surgery, also known as sleeve gastrectomy, the majority of the stomach is



While clinical studies support the effectiveness of the *da Vinci* Surgical System when used in minimally invasive situations. **Before you decide on surgery, discuss treatment options with your doctor. Understanding** with the *da Vinci* Surgical System may not be appropriate for every individual; it may not be applicable to your situation. Determine whether *da Vinci* Surgery is appropriate for your situation. All people depicted unless otherwise noted are models. *Single-Site*, *InSite*, *TilePro* and *EndoWrist* are trademarks or registered trademarks of Intuitive Surgical. All other trademarks are the property of their respective owners.

Gastric Bypass



removed. The smaller, sleeve-shaped stomach that remains is sealed with staples. Talk to your doctor about the risks of this surgery, and all weight loss procedures, which can be high.

However, long-term data suggests that compared to gastric banding, gastric bypass may be a more effective solution for weight loss and its related conditions.⁶

Minimally invasive surgery - laparoscopy - using small incisions is usually how surgeons perform gastric bypass. However, traditional laparoscopy can be technically challenging due to the instruments used and limitations of traditional laparoscopic technology.



da Vinci Surgery Incisions

da Vinci Gastric Bypass: An Effective, Minimally Invasive Surgical Procedure

If your doctor recommends gastric bypass to treat obesity, ask about minimally invasive *da Vinci* Surgery. State-of-the-art *da Vinci* Surgery requires just a few tiny incisions and provides surgeons with enhanced vision, precision, dexterity and control.

da Vinci Surgery offers many potential benefits over traditional laparoscopic gastric bypass, including:

- › Low rate of major complications^{7,8}
- › Much lower rate of gastrointestinal leaks^{7,8}
- › Low rate of wound infection⁸
- › Short hospital stay^{7,8}
- › Lower risk of follow-up surgery⁸
- › Lower risk of converting to traditional open surgery⁸

Studies show *da Vinci* reduces surgeon fatigue compared to conventional laparoscopy; as a result, surgeons can focus more on the procedure instead of the physical stress often associated with bariatric surgery.⁹ Also, research shows there is a low rate of physical trauma to patients who undergo *da Vinci* Gastric Bypass.¹⁰



¹ <http://www.who.int/mediacentre/factsheets/fs311/en/> ²

<http://www.ahrq.gov/research/obesitybrf.pdf>. ³ www.asmb.org/Newsite07/patients/benefits.htm.

⁴ www.win.niddk.nih.gov/publications/health_risks.htm. ⁵ www.ncbi.nlm.nih.gov/pmc/articles/PMC2698858/ Taylor XM, Hartman JS, Hoyt DB. A Prospective Randomized Trial of Laparoscopic Gastric Bypass Versus Laparoscopic Adjustable Gastric Banding: Effect on Weight, Quality of Life, and Costs. *Ann Surg*. 2009 Aug 27. ⁷ Snyder B, Wilson T, Scarborough T, Yu S, Wilson E. Lowering gastrointestinal complications with robotic-assisted laparoscopic gastric bypass. *Obesity* online November 3, 2009. ⁸ Hagen ME, Pugin F, Chassot G, Huber O, Buchs N, Iranmanesh P, Morel P. Reducing conversion to open surgery with robotic-assisted laparoscopic gastric bypass. *Obesity* May 3. [Epub ahead of print] ⁹ Yu SC, Clapp BL, Lee MJ, Albrecht WC, Scarborough TK, Wilson EB. Robotic assistance reduces conversion to open surgery in laparoscopic gastric bypass. *Am J Surg*. 2006 Dec;192(6):746-9. ¹⁰ Jacobsen G, Berger R, Horgan J.

The Enabling Technology: *da Vinci* Surgical System

The *da Vinci* Surgical System is designed to provide surgeons with enhanced capabilities, including high-definition 3D vision and a magnified view. Your doctor controls the *da Vinci* System, which translates his or her hand movements into smaller, more precise movements of tiny instruments inside your body.



Though it is often called a "robot," *da Vinci* cannot act on its own. Surgery is performed entirely by your doctor. Together, *da Vinci* technology allows your doctor to perform complex procedures through just a few tiny openings. As a result, you may be able to get back to your life without the usual recovery following major surgery.

The *da Vinci* System has been used successfully worldwide in hundreds of thousands of procedures to date.

Your doctor is one of a growing number of surgeons offering ***da Vinci*[®] Surgery** to treat obesity.

All surgeries, including *da Vinci* Surgery, involve risk of major complications. Before you decide on surgery, discuss treatment options with your doctor. Understanding the risks of each treatment can help you make the best decision for your situation.

For more information and to find a *da Vinci* Surgeon near you, visit:

www.daVinciSurgery.com