

Facing Benign Colorectal Surgery?

Learn about minimally invasive
da Vinci Surgery



da Vinci Surgery

The Conditions:

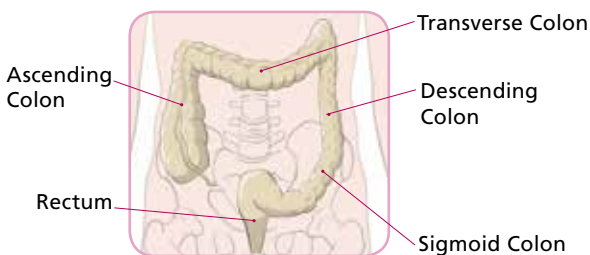
Diverticulitis, Ulcerative Colitis, Crohn's Disease, Rectal Prolapse

The colon and rectum are part of your large intestine. The main purpose of these organs is to process and pass waste from your body. There are many conditions that can affect your colon, such as: diverticulitis, ulcerative colitis, Crohn's disease and rectal prolapse.

Diverticulitis is a condition in which a small pouch forms and inflames inside your colon. The most common symptom is abdominal pain. While diverticulitis has been linked to a low fiber diet, the exact cause is unknown. About 10% of people over the age of 40 have diverticulitis in the U.S. alone.¹

Ulcerative colitis and Crohn's disease are jointly known as inflammatory bowel disease (IBD). IBD causes the digestive tract to inflame. Symptoms may include: diarrhea, rectal bleeding, fever and weight loss. Five million people worldwide have IBD, but the exact cause is unknown.²

Rectal prolapse occurs when tissue lining the rectum falls into the anus. The condition is more common in the elderly, and is often linked to constipation.



The Intestinal Tract

The Surgery:

Colorectal Surgery

Treatment options often depend on your symptoms, how often they occur, your age and overall health. If medicine and lifestyle changes do not ease your symptoms, your doctor may suggest surgery, such as:

Colectomy/Colon Resection: Surgery to remove the diseased part of your colon and connect the healthy bowel that remains.

Right Colectomy: Surgery on the right side of your colon (large intestine).

Left Colectomy: Surgery on your left colon.

Sigmoid Colectomy: Surgery on the sigmoid colon which is the lower left part of your colon before your rectum.

Total Colectomy: Surgery to remove the entire colon.

Rectopexy: Surgery to restore the rectum to its normal position.



Colorectal surgery may be done using open surgery. A large incision is made in the abdomen to allow the surgeon's hands and instruments to reach your organs.

Colorectal procedures can also be done using minimally invasive surgery (laparoscopy). This means your surgeon operates through a few small incisions in the abdomen using long, thin instruments and a tiny camera. The camera sends images to a video monitor in the operating room to guide your surgeon during the operation.

There is another minimally invasive surgical option for patients facing colorectal surgery: *da Vinci* Surgery.



Open Surgery
Incision

da Vinci Surgery/
Laparoscopy Incisions



***da Vinci* Surgery:**

A Minimally Invasive Surgical Option

If your doctor suggests surgery for diverticulitis, ulcerative colitis, Crohn's disease or rectal prolapse, ask about minimally invasive *da Vinci* Surgery.

Using the *da Vinci* System, your surgeon makes a few small incisions - similar to traditional laparoscopy. The *da Vinci* System gives surgeons:

- A 3D HD view inside your body
- Wristed instruments that bend and rotate far greater than the human hand
- Enhanced vision, precision and control

If you are thinking of having minimally invasive surgery, ask your doctor about the potential benefits of *da Vinci* Colorectal Surgery.

Risks and Considerations Related to Bowel Resection and Other Colorectal Procedures

(removal of all/part of the intestine): leaking and/or narrowing at the spot where two sections of bowel were reconnected, colorectal or anal dysfunction (cannot empty bowel, frequent bowel movements, leakage or constipation).

Important Information for Patients:

Serious complications may occur in any surgery, including *da Vinci*[®] Surgery, up to and including death. Examples of serious or life-threatening complications, which may require prolonged and/or unexpected

hospitalization and/or reoperation, include but are not limited to, one or more of the following: injury to tissues/organs, bleeding, infection and internal scarring that can cause long-lasting dysfunction/pain. Risks of surgery also include the potential for equipment failure and/or human error. Individual surgical results may vary.

Risks specific to minimally invasive surgery, including *da Vinci* Surgery, include but are not limited to, one or more of the following: temporary pain/nerve injury associated with positioning; temporary pain/discomfort from the use of air or gas in the procedure; a longer operation and time under anesthesia and conversion to another surgical technique. If your doctor needs to convert the surgery to another surgical technique, this could result in a longer operative time, additional time under anesthesia, additional or larger incisions and/or increased complications.

Patients who are not candidates for non-robotic minimally invasive surgery are also not candidates for *da Vinci*[®] Surgery. Patients should talk to their doctor to decide if *da Vinci* Surgery is right for them. Patients and doctors should review all available information on non-surgical and surgical options in order to make an informed decision. For Important Safety Information, including surgical risks, indications, and considerations and contraindications for use, please also refer to www.davincisurgery.com/safety and www.intuitivesurgical.com/safety.

All people depicted unless otherwise noted are models. © 2015 Intuitive Surgical. All rights reserved. All product names are trademarks or registered trademarks of their respective holders. PN 876712 Rev D 11/2015

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, 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 operate through just a few small openings, similar to traditional laparoscopy.

Over the last decade, the *da Vinci* System has brought minimally invasive surgery to over 3 million patients worldwide. *da Vinci* - changing the experience of surgery for people around the world.

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

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

www.daVinciSurgery.com

¹ National Digestive Diseases Information Clearinghouse; National Institutes of Health; URL: <http://digestive.niddk.nih.gov/ddiseases/pubs/diverticulosis/>

² Crohn's and Colitis Foundation of Canada. Available from: <http://www.cafc.ca/site/c.aJlRK4NLLhJOE/b.7080069/>