Facing a Hernia Repair?

Learn about minimally invasive da Vinci® Surgery
The Condition:

Hernia

A hernia happens when part of an internal organ or tissue bulges through a hole or weak area in the belly wall (fascia).

The type of hernia you have depends on where it is located and how it occurred:

- Incisional hernias: through a scar
- Umbilical hernia: around the belly button
- Inguinal hernia: in the groin (more common in men)

Hernias are common and can affect men, women and children. Sometimes, there is no obvious cause for a hernia. A combination of muscle weakness and straining may contribute to a hernia.

Physical activities and medical problems that increase pressure on the belly may lead to a hernia, including: constipation, chronic cough, enlarged prostate, extra weight, fluid in the abdomen, heavy lifting, poor nutrition, smoking, and physical exertion, like running and biking.

There are usually no symptoms for a hernia, but you may feel pain while standing, straining when using the bathroom, or lifting heavy objects.
Your doctor may suggest lifestyle changes to ease your symptoms, but surgery is considered the only way to permanently fix a hernia. If a child has an umbilical hernia that does not heal on its own by age 5, his/her doctor may recommend surgery. Keep in mind, all surgeries have risks and surgery may be more risky for patients with serious medical problems.

During hernia repair surgery, any holes are closed. Hernia repair can be performed using traditional...
open surgery or minimally invasive surgery. With open surgery, an incision is made in your abdomen which must be large enough for your surgeon to fit his or her hands inside your body to access your organs. Minimally invasive surgery (laparoscopy) is done through a few small incisions using long, thin surgical instruments and a small camera. The camera takes images inside your body and sends them to a video monitor in the operating room to guide doctors during surgery.
**da Vinci Surgery:**
A Minimally Invasive Surgical Option

*da Vinci* Surgery is another minimally invasive surgical option for adult patients facing abdominal hernia surgery. The *da Vinci* System features a magnified 3D HD vision system and special wristed instruments that bend and rotate far greater than the human hand.

*da Vinci* technology enables your surgeon to operate with enhanced vision, precision, and control.

As a result of this technology, *da Vinci* Surgery offers the following potential benefits:

- Low rate of hernia returning
- Low rate of pain
- Low conversion rate to open surgery
- Short hospital stay

**Risks & Considerations Related to Hernia Repair**

(ventral, incisional, umbilical, inguinal): recurrence, bowel injury, infection of mesh, urinary retention. For inguinal hernia repair: testicular injury.
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.

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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 routine and complex procedures 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 2 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 nearest you, visit: www.daVinciSurgery.com

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