

DaVinci Robotic Surgery

Your Surgeon in Control

The da Vinci surgical system gives your surgeon an advanced set of instruments to use in performing robotic-assisted minimally invasive surgery. The term “robotic” often misleads people. Robots don’t perform surgery. Your surgeon performs surgery with da Vinci by using instruments that he or she guides via a console.

The da Vinci system translates your surgeon’s hand movements at the console in real time, bending and rotating the instruments while performing the procedure. The tiny wristed instruments move like a human hand, but with a greater range of motion. The da Vinci vision system also delivers highly magnified, 3D high-definition views of the surgical area. The instrument size makes it possible for surgeons to operate through one or a few small incisions.

Gynecologic Conditions

The gynecology specialty covers conditions of the internal female reproductive system, which includes the uterus (womb), ovaries, fallopian tubes, cervix, and vagina. When your reproductive system develops a problem, it can affect many aspects of your health and quality of life. Gynecologic conditions such as severe pelvic pain, endometriosis, fibroids, abnormal bleeding, pelvic organ prolapse, and cancer are common and may require medical care. When lifestyle changes, medicine, and other options do not ease your symptoms, your doctor may suggest surgery.

Types of Surgery

In the past, surgeons made large incisions in skin and muscle so that they could directly see and work on the area of concern. This is called open surgery. Today doctors still perform open surgery, but they can also perform many gynecologic procedures using minimally invasive laparoscopic or robotic-assisted surgery, possibly with da Vinci technology. Both minimally invasive approaches require one or a few small incisions that doctors use to insert surgical equipment and a camera for viewing. In laparoscopic surgery, doctors use special long-handled tools to perform surgery while viewing magnified images from the laparoscope (camera) on a video screen.

Source: <https://www.intuitive.com/en-us/patients/procedures/gynecology>