

Take your life back from endometriosis.

Endometriosis is a common health condition that affects millions of women.¹⁻² If you’ve received an endometriosis diagnosis and you’re exploring your options, surgery to remove endometriosis may be a possibility. If your doctor suggests da Vinci endometriosis resection (removal), this brochure can help you understand what that means.



What is endometriosis?¹⁻⁴

Endometriosis occurs when tissue that’s similar to the uterus lining grows in other places. Like the uterus lining, these tissue patches thicken and break down with your monthly cycle. Because the blood and tissue have no way to leave the body, they can build up and cause irritation, swelling, and scar tissue.

Endometriosis tissue may grow near your uterus. When it grows on your ovaries, it can create cysts. It can also appear on your bladder and intestines. In rare cases, endometriosis tissue can grow in distant places in your body.

Common endometriosis symptoms include pelvic pain, sometimes severe, and heavy bleeding during or between periods. Endometriosis can also make it hard to get pregnant.

How is endometriosis diagnosed?¹⁻⁴

The only way to confirm endometriosis is through surgery that let’s your doctor look inside your abdomen.



Step 1

During da Vinci surgery, the surgeon can see a highly magnified 3DHD view of the tissue.



Step 2

Your surgeon may then be able to remove it during the same procedure.

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2. U.S. Department of Health and Human Services, Office on Women’s Health. Endometriosis. Women’s Health. <https://womenshealth.gov/a-z-topics/endometriosis>. Published February 22, 2021. Accessed August 2025.

3. The American College of Obstetricians and Gynecologists. Endometriosis. ACOG. <https://www.acog.org/womens-health/faqs/endometriosis>. Published February 2021. Accessed August 2025.

4. Eunice Kennedy Shriver National Institute of Child Health and Human Development. Endometriosis and Women’s Health. NICHD. https://www.nichd.nih.gov/sites/default/files/2024-03/NICHDendometriosis2024_Final508.pdf. Published March 2024. Accessed August 2025.

Surgery to remove endometriosis¹⁻⁴

There is no cure for endometriosis, but surgery that removes endometriosis patches can provide pain relief.

Surgeons can remove endometriosis using a traditional open approach or minimally invasive surgery. Open surgery requires an incision (cut) in your lower abdomen long enough for the surgeon to access the organs and use hand-held instruments.

Minimally invasive surgery allows your surgeon to remove endometriosis tissue through a few small cuts. There are two main types of minimally invasive endometriosis resection (removal) surgeries: laparoscopic and da Vinci surgery. A laparoscopic endometriosis removal requires a few small incisions for surgeons to insert a laparoscope (camera) and long-handled tools. In da Vinci endometriosis removal, surgeons remove endometriosis tissue using a robotic system with highly magnified 3DHD vision that delivers a crystal-clear view of tissue. The surgeon guides small instruments through a console.

This brochure tells you about da Vinci surgery. Your doctor can also explain what to expect and answer your questions about da Vinci surgery.

Patient outcomes with da Vinci endometriosis surgery.

A review of published studies suggests da Vinci endometriosis resection may offer:

-  **More accurate visualization of confirmed endometriosis tissue compared to a 2D laparoscope⁵**
-  **Ability for surgeon to complete complex cases⁶⁻⁷**
-  **Low rate of intraoperative complications⁸**
-  **Low rate of switching to open surgery, which requires a large abdominal incision⁸**



Learn more about da Vinci endometriosis removal.

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5. Mosbrucker C, Somani A, Dulemba J. Visualization of endometriosis: comparative study of 3-dimensional robotic and 2-dimensional laparoscopic endoscopes. *J Robot Surg*. 2018;12(1):59–66. doi:[10.1007/s11701-017-0686-0](https://doi.org/10.1007/s11701-017-0686-0)

6. Ferrier C, Le Gac M, Kolanska K, et al. Comparison of robot-assisted and conventional laparoscopy for colorectal surgery for endometriosis: a prospective cohort study. *Int J Med Robot*. 2022; 18(3):e2382. <https://doi.org/10.1002/rcs.2382>.

7. Legendri S, Carbonnel M, Feki A, et al. Improvement of Post-Operative Quality of Life in Patients 2 Years after Minimally Invasive Surgery for Pain and Deep Infiltrating Endometriosis. *J Clin Med*. 2022;11(20):6132. doi:[10.3390/jcm11206132](https://doi.org/10.3390/jcm11206132)

8. Results are based on an internal meta-analysis of peer-reviewed literature for robotic-assisted endometriosis resection procedures published between January 1, 2010 -September 1, 2023. Data on file at Intuitive.

What is da Vinci surgery?

Surgeons have used da Vinci systems to perform robotic-assisted surgery for over 25 years. Da Vinci surgery is the most common way surgeons perform many operations, including lung and prostate surgeries.⁹ People usually spend less time in the hospital after da Vinci surgery compared to open surgery, which means patients can get back to what matters most.¹⁰

Your surgeon is with you in the operating room, seated at a console. From the console, your surgeon controls the instruments to perform your surgery.

Your surgeon performs the surgery, not a robot.

While da Vinci surgery is called robotic-assisted surgery, robots don't perform surgery. Your surgeon does. The da Vinci system's advanced instruments and technology give your surgeon tools to use during surgery.

Through a 3D high-definition camera, your surgeon can see your anatomy better than with the human eye alone.

Your surgeon uses tiny, wristed instruments that move in more ways than the human hand.

Why surgeons choose da Vinci systems for their surgeries.



Surgeons can perform complex surgeries through a few small incisions.



Surgeons are in control. Their hands move the tiny instruments in real time.



Surgeons have a 10x magnified 3D view of where they're operating and the instruments they're using.



Da Vinci systems allow your surgeon to operate with smooth precision.

Important safety information
Patients should talk to their doctor to decide if surgery with a da Vinci system is right for them. Patients and doctors should review all available information on nonsurgical and surgical options and associated risks in order to make an informed decision.

Serious complications may occur in any surgery, including da Vinci surgery, up to and including death. Serious risks include, but are not limited to, injury to tissues and organs and conversion to other surgical techniques which could result in a longer operative time and/or increased complications. For summary of the risks associated with surgery refer to www.intuitive.com/safety.

For important safety information, including surgical risks and considerations, please refer to intuitive.com/safety.

Individuals' outcomes may depend on a number of factors—including but not limited to—patient characteristics, disease characteristics, and/or surgeon experience.



Empowered choices for endometriosis care

Ask your doctor about removing endometriosis with da Vinci.



9. Data on file at Intuitive, August 2024.
10. Ricciardi R, Seshadri-Kreaden U, Yankovsky A, et al. The COMPARE Study: Comparing Perioperative Outcomes of Oncologic Minimally Invasive Laparoscopic, da Vinci Robotic, and Open Procedures: A Systematic Review and Meta-analysis of the Evidence. Ann Surg. 2025;281(5):748-763. doi:10.1097/SLA.0000000000006572