

How can you prepare for surgery?



One way to learn more about your surgery is to ask your doctor and care team questions.

Here are some questions you might ask:

- What medical and surgical options are available for me?
- Which is best for my situation?
- If I decide to have surgery, am I a candidate for partial nephrectomy?
- What are the differences between open, laparoscopic, and robotic-assisted surgery?
- Should I get a second opinion?
- What am I likely to experience after surgery?
- What is your surgical training and experience? What is your experience with robotic-assisted surgery?
- What are your patient outcomes?

What is kidney surgery?

Kidney surgery is surgery to remove all or a portion of your kidney. The main types of kidney surgery include:

- Partial nephrectomy (a procedure to remove a portion of the kidney, leaving the rest of the kidney intact)
- Radical nephrectomy (a procedure to remove the entire kidney)

These procedures can be recommended for cancerous and noncancerous (benign) conditions. If you have been diagnosed with kidney cancer, you should discuss all options with your doctor, including surgery.

If you are a candidate for surgery, your surgeon may recommend:



Open surgery

Surgeon makes an incision in your abdomen large enough to see the kidney and performs the procedure using hand-held tools



Laparoscopic surgery

Surgeon makes a few small incisions in the abdomen and operates using special long-handled tools while viewing magnified images from the laparoscope (camera) on a video screen



Robotic-assisted surgery

Surgeon controls the da Vinci system to perform the procedure

References

1. Key Statistics About Kidney Cancer. American Cancer Society. Web. 7 April 2020 <https://www.cancer.org/cancer/kidney-cancer/about/key-statistics.html>

Surgical Risks

Risks associated with nephrectomy (kidney removal) including partial nephrectomy (removing part of the kidney) include poor kidney function often due to limited blood flow, leaking of urine, cut or tear in the spleen, pancreas or liver, bowel injury, trapped air between the chest wall and lung, injury to diaphragm (muscle separating the chest from the abdomen), urinary fistula (abnormal bond of an organ, intestine or vessel to another part of the body), abnormal pooling of urine, limited or cut off blood supply to kidney, abnormal pooling of lymph fluid.

Important Safety Information

Patients should talk to their doctors to decide if da Vinci Surgery 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 important safety information, including surgical risks, indications, and considerations and contraindications for use, please refer to www.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.

Precaution Statement

The demonstration of safety and effectiveness for the representative specific procedures was based on evaluation of the device as a surgical tool and did not include evaluation of outcomes related to the treatment of cancer (overall survival, disease-free survival, local recurrence) or treatment of the patient's underlying disease/condition. Device usage in all surgical procedures should be guided by the clinical judgment of an adequately trained surgeon.

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Navigate your path forward

Your guide to surgical options for kidney cancer.

You have options. Find your way forward.

It can take time to absorb the news that you have kidney cancer. Feelings of shock and fear are to be expected after receiving a diagnosis. Understanding your options can help you navigate your diagnosis and inform your path forward.

If you have received a kidney cancer diagnosis, you are not alone in your journey. Kidney cancer is one of the 10 most common cancers for both men and women.¹

You and your doctor can discuss your options and determine which is right for you. If your doctor suggests robotic-assisted surgery with da Vinci technology, this brochure can help you understand what that means.

What will my surgeon do?



If you and your doctor decide that robotic-assisted surgery is right for you, here is what may happen.

Actual
incision size

During robotic-assisted surgery with the da Vinci system, your surgeon makes a few small incisions or a single small incision, and uses a 3DHD camera for a crystal-clear, magnified view of your kidney and surrounding tissue.



Your surgeon sits at a console next to you and operates through the incision(s) using tiny instruments and the camera.



The da Vinci system translates every hand movement your surgeon makes in real time, bending and rotating the instruments so he or she can remove all or a portion of your kidney.

What is the da Vinci system?

It is a surgical system with three parts:

Surgeon console

Is the control center where your surgeon sits to perform the operation.

Patient cart

Holds the camera and surgical instruments your surgeon controls from the console.

Vision cart

Manages the communication between all the system components and provides a screen for the care team to view the operation.

What are the outcomes?

Be sure to talk with your surgeon about the surgical outcomes he or she delivers by using the da Vinci system, as every surgeon's experience is different. For example, ask about:

- Length of hospital stay
- Chance of switching to an open procedure
- Complication rate
- Length of surgery
- Kidney function

There are additional outcomes of surgery that you may want to talk with your doctor about. Please ask him or her about all important outcomes of surgery.

To find out more about outcomes of surgery with the da Vinci system, as published in clinical studies, visit the Kidney Surgery page on www.davincisurgery.com.



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matters most.

