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## If You Have Kidney Cancer

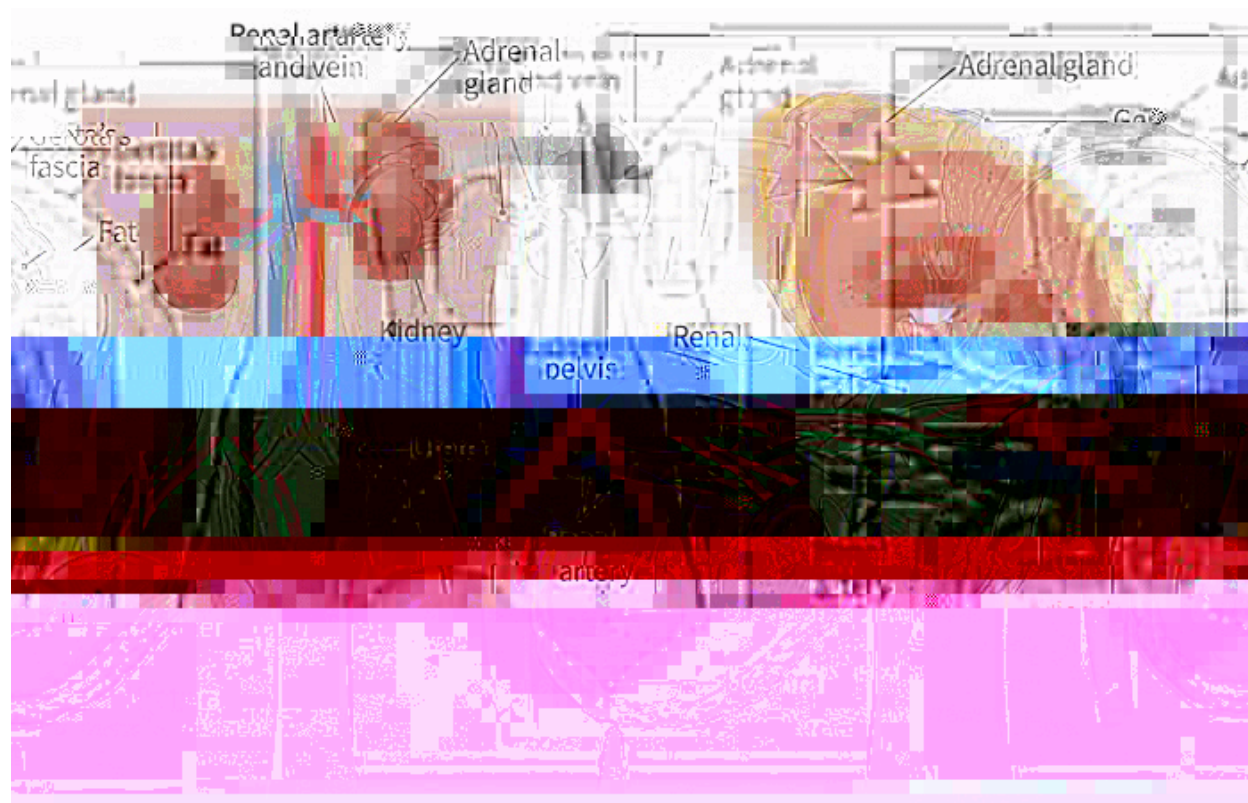
If you or someone you know has just been diagnosed with **kidney cancer**, this short, simple guide can help. Find information on **kidney cancer** here.

- [What is kidney cancer?](#)
- [Types of kidney cancer](#)
- [How does the doctor know I have kidney cancer?](#)
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### What is kidney cancer?

Cancer can start any place in the body. Kidney cancer starts in the kidney. It starts when cells in the kidney grow out of control and crowd out normal cells. This makes it hard for the body to work the way it should.

Kidney cancer cells can sometimes spread to other parts of the body, such as the lungs or bones, and grow there. When cancer cells do this, it's called **metastasis**. Even if kidney cancer spreads to the bones (or any other place), the cancer cells there are still kidney cancer cells.



## The kidneys

**Ask your doctor to use this picture to show you where the cancer is.**

## The kidneys

You have 2 kidneys. They are bean-shaped and about the size of a fist. They clean waste out of your blood and make it into urine. They also help control your blood pressure and help make sure you have enough red cells in your blood.

## Types of kidney cancer

There are many types of kidney cancer. Some are very rare. The most common kind is called **renal cell cancer (RCC)**. There are also different types of RCC and knowing what type you have helps your doctor know what treatment you need. Your doctor can tell you more about the type you have.

## Questions to ask about your diagnosis

- Why do you think I have cancer?

- Is there a chance I don't have cancer?
- Would you please write down the kind of cancer you think I might have?
- What will happen next?

## How does the doctor know I have kidney cancer?

Kidney cancers usually don't cause any signs or symptoms, but sometimes they might. Symptoms of kidney cancer may be:

- Blood in the urine
- Low back pain on one side (not from a hit or fall)
- A lump on the side or lower back
- Feeling tired
- Losing weight, if you're not trying to lose weight
- Fever that's not from a cold and that doesn't go away

If your doctor thinks you might have kidney cancer, they will ask you questions about your health and examine you. More tests might be done as well. Here are some of the tests you may need:

**Urine tests:** Your urine will probably be checked in the lab to see if there are blood or cancer cells in it.

inside of the body. This test can help show if a kidney growth is solid or filled with fluid. (Kidney cancers are more likely to be solid.) If a kidney biopsy is needed, ultrasound can be used to guide a needle into the lump to take out some cells for testing.

**Chest x-ray:** X-rays may be done to see if the cancer has spread to your lungs. But more often this can be seen on a CT scan instead.

**Bone scan:** A bone scan can help show if the cancer has spread to your bones. This test isn't done unless there's a reason to think the cancer might have spread, such as if you're having bone pain.

**Kidney biopsy:** In a biopsy, the doctor takes out a small piece of an abnormal area to check it for cancer cells. For most cancers, a biopsy is the only way to tell for sure if you have cancer. But a biopsy isn't always needed to tell if you have kidney cancer. X-rays or scans are sometimes enough.

In the most common type of biopsy, known as a **needle biopsy**, the doctor inserts a thin, hollow needle into the tumor to remove a piece of it. There are other types of biopsies as well. Ask your doctor what kind you might need. Each type has risks and benefits. The choice of which type to use depends on your own case.

### Grading kidney cancer

The cancer cells in the biopsy sample will be graded, based on how abnormal they look. Kidney cancers are graded 1 through 4. Grade 1 kidney cancers look a lot like normal kidney cells, and they tend to grow slowly. Cancer cells that look very different from normal cells are given a higher grade (up to 4) and tend to grow faster. Ask the doctor to explain the grade of your cancer and if it might affect which treatment is best for you.

### Questions to ask about tests for kidney cancer

- What tests will I need to have?

## How advanced is my cancer? er?

Any type of surgery can have risks and side effects. Be sure to ask the doctor what you can expect. If you have side effects after your surgery, let your cancer care team know. They should be able to help you with any problems that come up.

### **Tumor ablation for kidney cancer**

[Tumor ablation](#)<sup>2</sup> destroys the tumor without taking it out by surgery. It might be an option for some people, such as those who aren't healthy enough to have surgery.

There are many ways to do this, such as heating the tumor with radio waves or microwaves, freezing the tumor, or creating an electric field inside the tumor. Talk to your cancer care team about the planned treatment and what you can expect.

### **Radiation treatments for kidney cancer**

[Radiation](#)<sup>3</sup> uses high-energy rays (like x-rays) to kill cancer cells. It's sometimes used to treat kidney cancer in people who can't have surgery, but other treatments might be tried first. It can also be used to treat small tumors in other parts of the body.

Radiation is aimed at the kidney from a machine outside the body. This is called external beam radiation. The treatment is a lot like getting an x-ray.

### ***Side effects of radiation treatments***

Side effects depend on the type of radiation that's used and where it's aimed. The most common side effects of radiation are:

- Skin changes and hair loss where the radiation is given (redness or skin peeling like a sunburn)
- Feeling sick to your stomach or having diarrhea, if the radiation is aimed at your belly
- Feeling very tired

Most side effects get better after treatment ends. Some might last longer. Talk to your cancer care team about what you can expect.

### **Immunotherapy for kidney cancer**

[Immunotherapy](#)<sup>4</sup> is treatment that boosts your own immune system to help attack cancer cells. Some types of immunotherapy can be used to treat kidney cancer. These

drugs are given into a vein.

### ***Side effects of immunotherapy***

Immunotherapy can cause different side effects, depending on which drug is used. These drugs might make you feel tired, sick to your stomach, or cause fever, chills, and rashes. Most of these problems go away after treatment ends. Some less common side effects can be more serious.

There are ways to treat most of the side effects from immunotherapy. If you have side effects, tell your cancer care team so they can help.

### **Targeted drugs for kidney cancer**

[These drugs](#)<sup>5</sup> target some of the gene or protein changes inside cancer cells. These drugs are often part of the treatment for more advanced kidney cancers. Some come as pills that you take at home, while others are given through a vein.

### ***Side effects of targeted drugs***

Side effects of these drugs depend on which one is used. Many of these drugs can make you feel sick to your stomach and cause low blood counts. They can also cause high blood pressure and skin changes of the hands and feet. These side effects usually go away after treatment ends.

There are ways to treat most of the side effects caused by targeted drugs. If you have side effects, talk to your cancer care team so they can help.

### **Chemo for kidney cancer**

[Chemotherapy](#)<sup>6</sup> (chemo) is the use of drugs to fight cancer. The drugs may be given into a vein or taken as pills. Chemo doesn't tend to work well for kidney cancer, but it may be tried if other treatments don't work.

### ***Side effects of chemo***

Chemo can make you feel tired, sick to your stomach, or cause your hair to fall out. But these problems tend to go away after treatment ends.

There are ways to treat most chemo side effects. If you have side effects, be sure to tell your cancer care team so they can help.





- What about special vitamins or diets that friends tell me about? How will I know if they are safe?
- What's the next step?

## What will happen after treatment?

You'll be glad when treatment is over. But can be hard not to worry about the cancer coming back. Even when cancer never comes back, it's normal to worry about this.

For years after treatment ends, you will see your cancer doctor. Be sure to go to all of these follow-up visits. You will have [exams, blood tests](#)<sup>8</sup>, and maybe other tests to see if the cancer has come back. At first, your visits may be every few months. Then, the longer you're cancer-free, the less often you will need to go.

Having cancer and dealing with treatment can be hard, but it can also be a time to look at your life in new ways. You might be thinking about how to improve your health. Call us at 1-800-227-2345 or talk to your cancer care team to find out what you can do to feel better.

You can't change the fact that you have cancer. What you can change is how you live the rest of your life – making healthy choices and feeling as good as you can.

### [For connecting and sharing during a cancer journey](#)

Anyone with cancer, their caregivers, families, and friends, can benefit from help and support. The American Cancer Society offers the Cancer Survivors Network (CSN), a safe place to connect with others who share similar interests and experiences. We also partner with CaringBridge, a free online tool that helps people dealing with illnesses like cancer stay in touch with their friends, family members, and support network by creating their own personal page where they share their journey and health updates.

## Hyperlinks

1. [www.cancer.org/cancer/types/kidney-cancer/treating/surgery.html](http://www.cancer.org/cancer/types/kidney-cancer/treating/surgery.html)
2. [www.cancer.org/cancer/types/kidney-cancer/treating/ablation.html](http://www.cancer.org/cancer/types/kidney-cancer/treating/ablation.html)
3. [www.cancer.org/cancer/types/kidney-cancer/treating/radiation.html](http://www.cancer.org/cancer/types/kidney-cancer/treating/radiation.html)
4. [www.cancer.org/cancer/types/kidney-cancer/treating/immunotherapy.html](http://www.cancer.org/cancer/types/kidney-cancer/treating/immunotherapy.html)
5. [www.cancer.org/cancer/types/kidney-cancer/treating/targeted-therapy.html](http://www.cancer.org/cancer/types/kidney-cancer/treating/targeted-therapy.html)

6. [www.cancer.org/cancer/types/kidney-cancer/treating/chemotherapy.html](http://www.cancer.org/cancer/types/kidney-cancer/treating/chemotherapy.html)
7. [www.cancer.org/cancer/managing-cancer/making-treatment-decisions/clinical-trials.html](http://www.cancer.org/cancer/managing-cancer/making-treatment-decisions/clinical-trials.html)
8. [www.cancer.org/cancer/diagnosis-staging/tests.html](http://www.cancer.org/cancer/diagnosis-staging/tests.html)
9. [www.cancer.org](http://www.cancer.org)

## Words to know

**Adrenal** (uh-DREE-nul) **glands**: Small glands that sit on top of each kidney. The adrenals make hormones that help control certain processes in the body.

**Biopsy** (BY-op-see): Taking out small pieces of tissue to see if they contain cancer cells.

**Immunotherapy** (IM-yoo-no-**THAIR**-uh-pee): Treatment that uses the body's immune system to fight cancer.

**Metastasis** (muh-TAS-tuh-sis): The spread of cancer cells from where they started to other places in the body.

**Renal** (REE-nul): Having to do with the kidneys.

**Renal cell carcinoma** (REE-nul sell CAR-sin-**O**-muh): The most common type of kidney cancer.

**Ureter** (YUR-uh-tur): a tube that carries urine from each kidney to the bladder.

**Urologist** (yur-OL-uh-jist): a doctor who's an expert in treating problems of the urinary tract, as well as the genital area in men.

## How can I learn more?

We have a lot more information for you. You can find it online at [www.cancer.org](http://www.cancer.org)<sup>9</sup>. Or, you can call our toll-free number at 1-800-227-2345 to talk to one of our cancer information specialists.

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The American Cancer Society medical and editorial content team  
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