

Why CyberKnife®



Proven Outcomes

Excellent long-term cancer control through a non-surgical, non-invasive outpatient procedure.



Minimized Side Effects

Significantly reduce the risk of the side effects that too often disrupt the lives of patients during and after treatment.



Fewer Treatments

A less disruptive option with a faster return to your everyday life. Treatment is typically completed in 1 to 5 sessions.



For more information, please visit [CyberKnife.com](https://www.CyberKnife.com)

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Important Safety Information:

Most side effects of radiotherapy, including radiotherapy delivered with Accuray systems, are mild and temporary, often involving fatigue, nausea, and skin irritation. Side effects can be severe, however, leading to pain, alterations in normal body functions (for example, urinary or salivary function), deterioration of quality of life, permanent injury, and even death. Side effects can occur during or shortly after radiation treatment or in the months and years following radiation. The nature and severity of side effects depend on many factors, including the size and location of the treated tumor, the treatment technique (for example, the radiation dose), and the patient's general medical condition, to name a few. For more details about the side effects of your radiation therapy, and to see if treatment with an Accuray product is right for you, ask your doctor.

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CyberKnife® S7™ Treatment Delivery System

Precise, robotic radiation therapy enabling a faster return to everyday life



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What is CyberKnife®

The CyberKnife® System is a non-invasive treatment for cancerous and non-cancerous tumors and other conditions where radiation therapy is indicated. It is used to treat conditions throughout the body including brain, lung, spine, prostate and abdominal cancers, and may be an alternative to surgery for patients who have inoperable or surgically complex tumors. Often, even patients previously treated with radiation, who have metastatic lesions or with recurrent cancers can receive CyberKnife treatment.

CyberKnife treatments are typically performed in 1 to 5 sessions. Treatment sessions are non-invasive outpatient procedures, and no anesthesia or incisions are required, enabling most patients to continue with daily activities over the course of treatment.

The CyberKnife System has been shown to deliver excellent cancer control with reduced risk of side effects through more than two decades of clinical proof and successful treatment of thousands of cancer patients.



How it Works

The CyberKnife System uses cutting-edge robotics, advanced imaging and sophisticated software to deliver extremely precise, accurate radiation.

The CyberKnife System is the only radiation delivery system which features a radiation delivery device, called a linear accelerator, directly mounted on a robot to deliver the high-energy X-rays or photons used in radiation therapy. It uses real-time image guidance and a robot to deliver dose from thousands of beam angles, setting a new standard for delivery precision anywhere in the body and enabling stereotactic radiosurgery (SRS) and stereotactic body radiation therapy (SBRT) treatments for the full range of indications. The robot moves and bends around the patient, significantly expanding the possible positions to concentrate radiation to the tumor while minimizing damage to surrounding healthy tissue.

The CyberKnife System uses Synchrony® to precisely synchronize and adapt treatment delivery with patient and tumor motion in real time, allowing patients to breathe normally and remain comfortable during treatments. This synchronization can precisely attack tumors while giving your physician the confidence to aggressively attack tumors while minimizing dose to healthy tissue, which may help minimize side effects.

What to Expect



Before Treatment

The treatment process begins with a consultation between the patient, radiation oncologist and medical care team to decide the best treatment option. The CyberKnife System team will conduct a series of scans necessary to build a precise treatment plan. Depending on tumor location, preparation may require additional accessories to make treatment more comfortable. Sometimes treatment may require the placement of fiducials, or markers, to pinpoint the tumor's exact location. The care team will be there to explain each step along the way.



During Treatment

Treatment sessions are outpatient procedures that do not require incisions or general anesthesia. Treatment takes place in a dedicated treatment room with a specially trained team. Treatments can take as little as 15 minutes, depending on the tumor to treat. During treatment, patients breathe normally while the robot moves quietly around the body to deliver radiation precisely to the tumor.



After Treatment

Most patients experience very few side effects and continue normal activity throughout treatment. The care team will schedule a follow-up visit about a month after treatment ends to assess the patient's response and address any side effects, should they occur.

Questions about coverage?

Medicare and private insurance carriers in most states cover CyberKnife treatments. Please contact your health care provider or insurance company for information regarding your eligibility.