



Giving New Hope to Patients with Cancer  
*"Yes" is now an option*



CyberKnife®  
Robotic Radiosurgery System

*is now an option*



# What is the CyberKnife® System?

The CyberKnife® Robotic Radiosurgery System is a non-invasive alternative to surgery for the treatment of both cancerous and non-cancerous tumors anywhere in the body, including the head, spine, lung, prostate, liver and pancreas. The treatment – which delivers beams of high dose radiation to tumors with extreme accuracy – offers new hope to patients worldwide.

Though its name may conjure images of scalpels and surgery, the CyberKnife treatment involves no cutting. In fact, the CyberKnife System is the world's first and only robotic radiosurgery system designed to treat tumors throughout the body non-invasively. It provides a pain-free, non-surgical option for patients who have inoperable or surgically complex tumors, or who may be looking for an alternative to surgery.

## Some of the Patient Benefits

- Pain-free
- Non-invasive
- No anesthesia required
- Outpatient procedure
- No recovery time
- Immediate return to normal activity
- No invasive head or body frame
- No breath holding during treatment
- Fiducial free\* – no implanted markers

\*for most procedures



"When I learned I had a tumor on my spinal cord, doctors told me that without surgery I would be paraplegic and that the extremely delicate and risky surgery would involve removing ribs and intestines. I opted for treatment with the CyberKnife System and with just three, pain-free outpatient visits, I had my life back."

**Carol**  
*spine tumor patient*



"I was terrified about having surgery to remove my brain tumor. The doctors told me that I would likely lose hearing in my left ear, plus I could have facial paralysis and balance problems for the rest of my life. My first thought was of my young kids, and how their lives would be affected by my long recovery and the possibility that something could go permanently wrong. But with the CyberKnife, the journey to remove my tumor was very easy. I didn't have any side effects and my quality of life never changed."

**Suzanne**  
*acoustic neuroma/brain tumor patient*

# How is the CyberKnife System Unique?

The CyberKnife® System is a one-of-a-kind device for several reasons.

■ *First*, the CyberKnife System uses image guidance software to track and continually adjust treatment for any patient or tumor movement. This sets it far ahead of other similar treatments. It allows patients to breathe normally and relax comfortably during treatment.

■ *Second*, some forms of radiosurgery require rigid head-frames that are screwed into the patient's skull to minimize any movement. The CyberKnife System does not require such extreme procedures to keep patients in place, and instead relies on sophisticated tracking software, allowing for a much more comfortable and non-invasive treatment.

■ *Third*, unlike some radiosurgery systems, which can only treat tumors in the head, the CyberKnife System has unlimited reach to treat a broad range of tumors throughout the body, including the head, spine, liver, prostate, and lungs.

■ *And finally*, the CyberKnife System's treatment accuracy is unrivaled. Its ability to treat tumors with pin-point accuracy is unmatched by other radiation therapy and radiosurgery systems. The CyberKnife System can essentially "paint" the tumor with radiation allowing it to precisely deliver treatment to the tumor alone, sparing surrounding healthy tissue.



"When I was diagnosed with prostate cancer and I researched my treatment options, I was worried about the possible risks and side effects of other more invasive procedures. The CyberKnife, in my experience, allowed me to avoid these potentially devastating complications and get back to my normal life with little to no side effects."

**Scott**  
*prostate cancer patient*



"After a long, painful recovery from the surgery that removed my first lung tumor, I elected to have the second tumor removed non-invasively using the CyberKnife System. The CyberKnife treatment was very easy. I relaxed and slept during the treatment and was able to return to work immediately. I had no side effects and am grateful for the CyberKnife."

**Joan**  
*lung cancer patient*

*"Yes" is now an option*

# What is the CyberKnife Treatment Process?

**CyberKnife® treatments involve a team approach in which several specialists participate.**

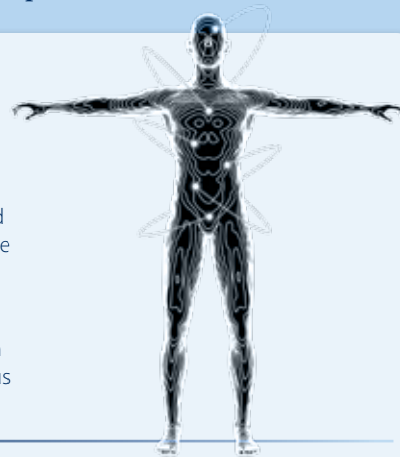
Prior to the procedure, the patient is imaged using a high-resolution CT scan, to determine the size, shape and location of the tumor.

Following scanning, the image data is digitally transferred to the CyberKnife System's workstation, where the treatment planning begins.

A qualified clinician then uses the CyberKnife software to generate a treatment plan. The plan is used to match the desired radiation dose to the identified tumor location while limiting radiation exposure to the surrounding healthy tissue.

Once the treatment plan has been developed, the patient is ready to undergo the CyberKnife procedure. After arriving at the CyberKnife Center, patients are comfortably positioned on the treatment table. Then the CyberKnife System's computer-controlled robot will slowly move around the patient to the various locations from which it will deliver radiation to the tumor.

Each treatment session will last between 30 and 90 minutes, depending on the type of tumor being treated. If treatment is being delivered in stages, patients will need to return for additional treatments over several days (typically no more than 5), as determined by the patients doctor. Patients may experience some minimal side effects, but those often go away within the first week or two after treatment.



**Consult with your physician to see if the CyberKnife System is a viable alternative for you.**

## Where to find additional information on the CyberKnife® System:



### **CyberKnife Society**

[www.cksociety.org](http://www.cksociety.org)

The CyberKnife Society is a group of physicians and affiliated healthcare professionals specializing in CyberKnife radiosurgery.



### **Accuray Incorporated**

[www accuray.com](http://www accuray.com)

Accuray develops and markets the CyberKnife® System, the world's first and only robotic radiosurgery system designed to treat tumors anywhere in the body with pinpoint accuracy.



### **CyberKnife Patient Education Website**

[www.cyberknife.com](http://www.cyberknife.com)

The CyberKnife Patient Education Website is dedicated to educating patients on the CyberKnife System's ability to treat tumors anywhere in the body.

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