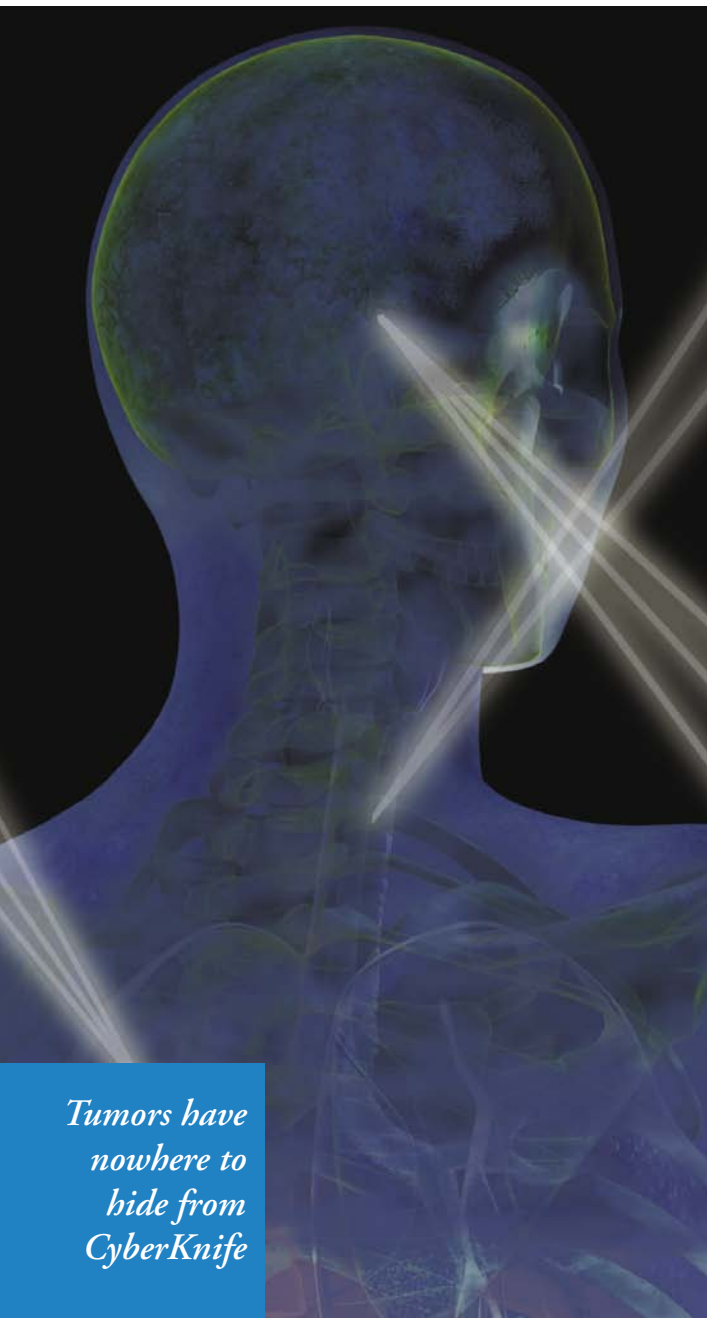




Hospital of Saint Raphael

CyberKnife

Stereotactic Radiosurgery



*Tumors have
nowhere to
hide from
CyberKnife*

Patients have somewhere to turn for new hope and new options with CyberKnife® – revolutionary radiosurgery that destroys operable and inoperable tumors anywhere in the body with pinpoint accuracy.

- No pain
- No recovery time – speedy return to daily activities
- No incisions
- No anesthesia
- Outpatient procedure
- As few as 1– 5 visits
- No invasive head or body frame
- Accurately tracks tumors that move with breathing
- Treats multiple tumors during a single treatment
- Pinpoint accuracy minimizes impact on healthy tissue
- Treatment for otherwise inoperable tumors
- Covered by Medicare and most major insurers

What is CyberKnife radiosurgery?

CyberKnife radiosurgery is a noninvasive radiation treatment that can be an alternative to traditional surgery in many cases. It uses image-guided robotics to destroy tumors with precisely directed beams of radiation.

With CyberKnife, multiple radiation beams enter the body from different targeting positions and angles, and intersect within the tumor or lesion. This focused radiation is high enough to destroy the cancer cells or stop the active growth of tissue, while minimizing damage to the surrounding healthy tissue and nearby critical structures.

The CyberKnife targeting system offers improved tumor control with few side effects and fewer treatments. While conventional radiation therapy may require as many as 30 to 45 sessions, CyberKnife needs as few as one to five sessions (one to two hours each) to do its work.

*For more
information, call
203.789.6639 or
visit www.srhs.org*



How does CyberKnife work?

The CyberKnife Radiosurgery System combines two advanced technologies: 1) an advanced image-guidance system to track and verify tumor location, and 2) a miniature linear accelerator (Linac) mounted on a computer-controlled robotic arm that provides the highest level of maneuverability available today. CyberKnife's flexible arm can deliver high-dose radiation from many angles, making customized treatment plans possible. Additionally, complex-shaped tumors can be treated with an accuracy unmatched by other systems.

The treatment process:

- The first step is a consultation with a radiation oncologist and surgeon.
- Patients with tumors of the spine, lung, GI tract, or prostate will have fiducials (gold markers) placed near the tumor site, generally seven days prior to their treatment planning session.

- The next step is the treatment planning appointment (also called a simulation). At this time, our radiation therapists prepare a custom-fit, flexible mesh face mask (for those with brain/head/neck tumors) or a custom-fit body mold to minimize movement during treatment. The process is simple and painless.

On the day of treatment(s)

- During treatment(s), you will lie on a table, wearing the face mask or secured in the body mold, while CyberKnife delivers radiation. Treatments generally take one to two hours and afterwards, you will go home.

Who will be involved in my treatment?

A specially trained team of highly qualified experts operates the CyberKnife. Team members include a surgeon, radiation oncologist, medical oncologist, physicist, radiation therapists, an oncology nurse practitioner, and other nurses and healthcare professionals.

*Treatment with CyberKnife is covered by
Medicare and most private insurances.*

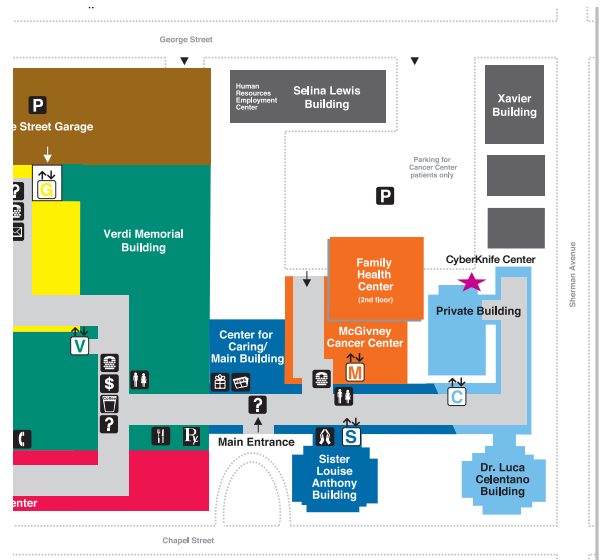
CYBERKNIFE AT THE HOSPITAL OF SAINT RAPHAEL

CyberKnife is a revolutionary system that destroys tumors with pinpoint accuracy anywhere in the body, even those previously considered inoperable.

In the region, this cancer-fighting technology is only available at the Hospital of Saint Raphael.

Thousands of patients have been successfully treated with CyberKnife for tumors of the brain, spine, neck, lung, liver, prostate and pancreas among others. Check with your physician to see if CyberKnife is the right treatment for you.

Welcome to the CyberKnife



Hospital of Saint Raphael

A member of the Saint Raphael Healthcare System

1450 Chapel Street, New Haven CT 06511



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