



CyberKnife® is located in the Radiation Oncology Department, which has its own entrance in the southeast corner of the hospital.



WWW.MMCCYBER.COM

1-877-MMC-CYBER



CYBERKNIFE®

Center of Menorah

New *hope* for the toughest tumors.

No anesthesia. No pain.

No incision. No recovery time.



**MENORAH MEDICAL CENTER IS THE ONLY HOSPITAL
IN THE REGION TO OFFER THIS REVOLUTIONARY
NEW TREATMENT FOR DESTROYING HARMFUL
TUMORS THAT DOES NOT REQUIRE SURGERY OR
ANESTHESIA, AND LETS THE PATIENT GO HOME
IMMEDIATELY AFTERWARD.**

**WWW.MMCCYBER.COM
1-877-MMC-CYBER**



INSURANCE CONSIDERATIONS

The CyberKnife® Center of Menorah is usually covered by Medicare and by most private insurance providers. Our staff will contact insurance providers to assist with pre-authorization requirements before treatment.

CyberKnife® is a part of the Radiation Oncology Department at Menorah Medical Center. Our team strives to provide high quality, radiation oncology care in an interdisciplinary setting and to provide state-of-the-art care in selected clinical areas.





WHAT MAKES CYBERKNIFE® UNIQUE?

The revolutionary CyberKnife® safely and painlessly treats tumors with pinpoint accuracy. It is so precise that radiation can be matched to the shape of small, complex tumors located near critical structures. CyberKnife® does not require invasive head or body frames to stabilize patient movement, because it continuously tracks, detects and corrects whenever the patient moves during treatment. CyberKnife® also treats many lesions that may be considered inoperable or untreatable with other radiosurgery systems – giving many patients new hope.

CyberKnife® is completed in one to five treatments. This is a significant advantage over conventional radiation therapy, which can require up to eight weeks of daily treatments.

WHAT TYPES OF TUMORS CAN BE TREATED?

With CyberKnife®, physicians can treat tumors anywhere in the body without making a single incision. The most commonly treated sites are as follows.

- Brain
- Head and Neck
- Spine and Bone
- Lung
- Liver
- Kidney
- Pancreas
- Prostate
- Sites that have already been treated with conventional radiation may be eligible for re-treatment with CyberKnife®.
- Many tumors that have previously been diagnosed as inoperable or untreatable.

WILL IT HURT?

No. CyberKnife® allows patients to be comfortably treated in a unique radiosurgery suite where painless treatment is performed with no incisions, no blood, no anesthesia and no recovery time.

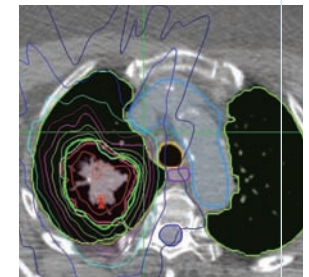
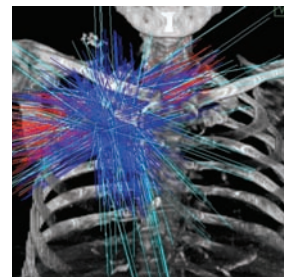
IS CYBERKNIFE® SAFE?

The CyberKnife® is cleared by the FDA to treat tumors anywhere in the body. And because of its precision, CyberKnife® spares healthy tissue surrounding the targeted area in a manner not achievable with traditional radiation therapy.

CYBERKNIFE® BENEFITS

CyberKnife® gives new hope to patients, especially patients with lesions diagnosed as inoperable and otherwise untreatable. CyberKnife® results in potentially fewer complications than open surgery and allows patients to have a better quality of life during and after treatment.

- No pain
- Non-invasive
- No anesthesia
- No recovery or rehabilitation time
- No head or body frame
- No breath holding during treatment
- Immediate return to normal activity



THE SIMPLE OUTPATIENT TREATMENT PROCESS INCLUDES:

Step #1 – Consultation

The patient is seen by both a radiation oncologist and a surgeon.

Step #2 – Conference

Every case is presented and reviewed by a panel of physician specialists during a weekly CyberKnife® multi-specialty conference.

Step #3 – Imaging (Simulation)

Each patient will be placed in a unique treatment position and will undergo a CT scan in that position. This scan will offer a three-dimensional reproduction of the patient's body so that the treating physicians can identify the exact size, shape, and location of the tumor and the surrounding vital structures. MRI and/or PET-CT scans may also be required.

Step #4 – Treatment planning

The radiation oncologist will work with a certified physicist to generate a computerized treatment plan. Advanced software will help the CyberKnife® team determine the number, intensity and direction of the radiation beams to be delivered by the robotic arm. This plan will typically utilize one to two hundred radiation beams to provide the desired radiation dose to the tumor while avoiding damage to the adjacent healthy tissues.

Step #5 – Painless treatment

The patient is asked to relax and lay still during the CyberKnife® procedure. No anesthesia is necessary because the treatment is painless. The CyberKnife® robot will move slowly around the patient to deliver the radiation. The imaging system regularly verifies target position to ensure the radiation is being accurately delivered. The entire procedure typically lasts 45-90 minutes. Following treatment, the patient may immediately return to normal activities.

WHAT IS CYBERKNIFE®?

CyberKnife® is a painless radiation treatment that can be an alternative to open surgery in many cases. Because CyberKnife® is non-invasive, physicians can treat tumors anywhere in the body without making a single incision. The CyberKnife® uses image guidance technology and computer-controlled robotics to deliver extremely precise doses of radiation to the tumor, avoiding damage to nearby healthy tissue. CyberKnife® delivers focused beams of high-energy radiation from virtually any angle so that multiple tumors in different locations can be treated at the same time. Because there is no recovery time, patients can enjoy an immediate return to normal, everyday activity immediately following the treatment.



“ONE THING I HAVE TO SAY ABOUT MENORAH IS THAT I’VE NEVER SEEN PEOPLE SO KIND AND GENTLE. CYBERKNIFE® IS A VERY IMPORTANT PROCESS WITHOUT WHICH I WOULDN’T BE HERE.”

- CyberKnife® Patient