Gamma Knife Radiosurgery Treats a Variety of Lesions Including:

- Metastatic tumors
- Acoustic neuromas, pituitary tumors, certain gliomas and meningiomas
- Trigeminal neuralgia
- Arteriovenous malformations (AVM's)
- Movement Disorders
- Intractable Cluster Headaches
- Epilepsy
- Nasopharyngeal carcinoma

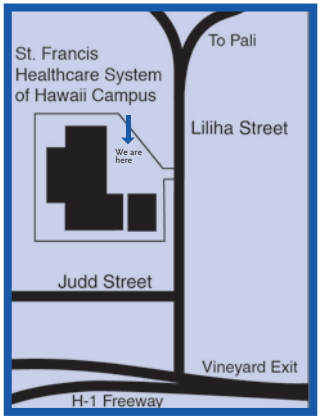
Gamma Knife Radiosurgery Advantages

- Designed exclusively for the treatment of brain disorders
- Performed in a single outpatient session
- Allows treatment of inoperable lesions
- Can be used in conjunction with conventional surgery as a boost
- Treatment area receives a high dose of radiation with minimal risk to surrounding tissue & structures
- Fewer complications than open craniotomy
- Can be used when prior surgery or radiation therapy has failed to control the disease
- Cost effective

Who we are ...Where we are ...

The Gamma Knife Center of the Pacific was opened in 1998 to service the people of Hawaii, Australia, New Zealand, and the Pacific Rim. In the Spirit of Aloha, our professional staff provides the services and personal attention needed to make a patient feel comfortable and welcome in our center.

The Gamma Knife Center of the Pacific is located on the campus of St. Francis Healthcare System of Hawaii, just minutes from downtown Honolulu. If you are coming from the airport, take the H1 Freeway East (toward Diamond Head). Take the Vineyard St. exit, and then turn left onto Liliha Street. St. Francis Healthcare System of Hawaii will be on the left after crossing Judd Street. The Gamma Knife Center of the Pacific is located in the Weinberg Outpatient Building, Level B1.



From the H-1 Freeway, take the Vineyard Boulevard exit. Turn onto Liliha Street and head mauka (toward the Pali). After crossing the Liliha/Judd Street intersection, look for the entrance on the left.

Gamma Knife Center of the Pacific
2226 Liliha St., Level B1
Honolulu, HI 96817
Tel: 808 535-1579
Facsimile: 808 535-1540
Toll Free: 1 888 426-6215
info@gammaknifehawaii.com

Visit us at our website:
www.gammaknifehawaii.com

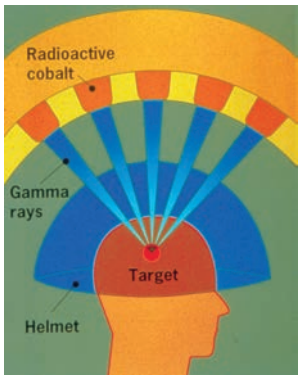
Gamma Knife Center

of the Pacific

Yesterday he had brain surgery, today he had better things to do.

How Gamma Knife Radiosurgery Works

The Gamma Knife is not a knife at all, but a stereotactic radiosurgical device in the form of a large sphere into which the patient's head is inserted. The Gamma Knife enables "surgical" changes to be created deep within the brain without opening the skull or exposing the patient to the potential risks of craniotomy or radiation therapy. The principle of Gamma Knife radiosurgery is simple. In a single treatment session, 192 beams of cobalt-60 radiation are precisely focused to converge onto the brain lesion. The beams are relatively harmless until they converge at the lesion. The lesion is destroyed with minimal risk to healthy surrounding tissue. The Gamma Knife achieves maximum safety and effectiveness through treatment planning and focused delivery of radiation from a fixed source. These factors combine to virtually eliminate risk of damage to healthy brain tissue.

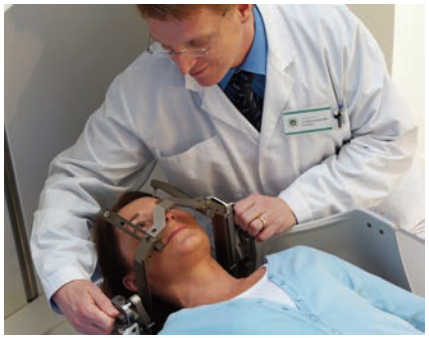


How Conditions Respond

Gamma Knife radiosurgery alters the DNA of the tumor or lesion being treated so that the cells no longer reproduce. This will eventually render the lesion inert. Aggressive tumors respond relatively quickly to treatment. Slower-growing lesions can take longer to demonstrate results. Long-term studies of Gamma Knife radiosurgery for treatment of acoustic neuromas and brain metastases have demonstrated well over a 90 percent success rate.

Stereotactic frame in place and secure on patient's head.

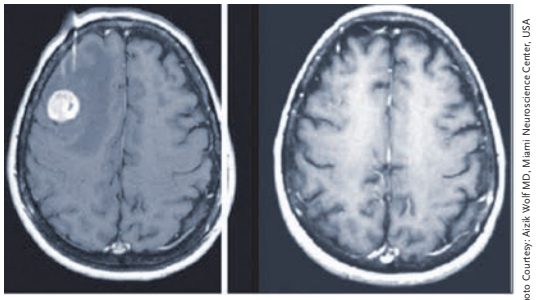
Patient going into MRI.



Patient in the Gamma Knife.

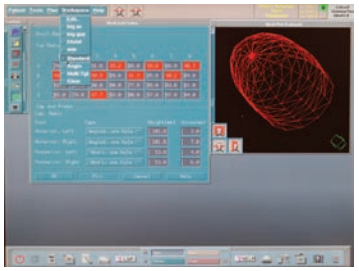
Gamma Knife Surgery Results

The majority of brain tumors selected for treatment will disappear or stop growing over time. Results may vary.

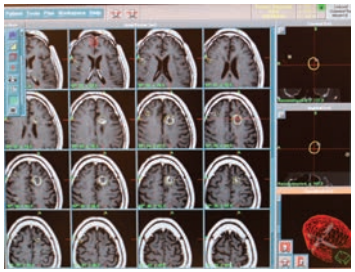


Pre-treatment. *10 months post-treatment.*

Photo Courtesy: Alzik Wolf MD, Miami Neuroscience Center, USA



Advanced treatment planning software shows a metastatic tumor imaged with a 3D MRI scan with size and volume optimized to best picture the target (including skull shape as defined by the Skull Scaling Instrument, indicated by the red wire frame).



The neurosurgeon assures the patient's comfort on the Gamma Knife couch prior to treatment.

Insurance Coverage

Gamma Knife radiosurgery eliminates lengthy hospital stays and costly medication, making the treatment significantly less expensive than traditional invasive surgery. Because of the reduction in cost and documented success rates, Medicare and most insurance providers authorize the procedure.