

# Leksell Gamma Knife Perfexion

Treats brain disorders with a high dose of radiation delivered with surgical precision.

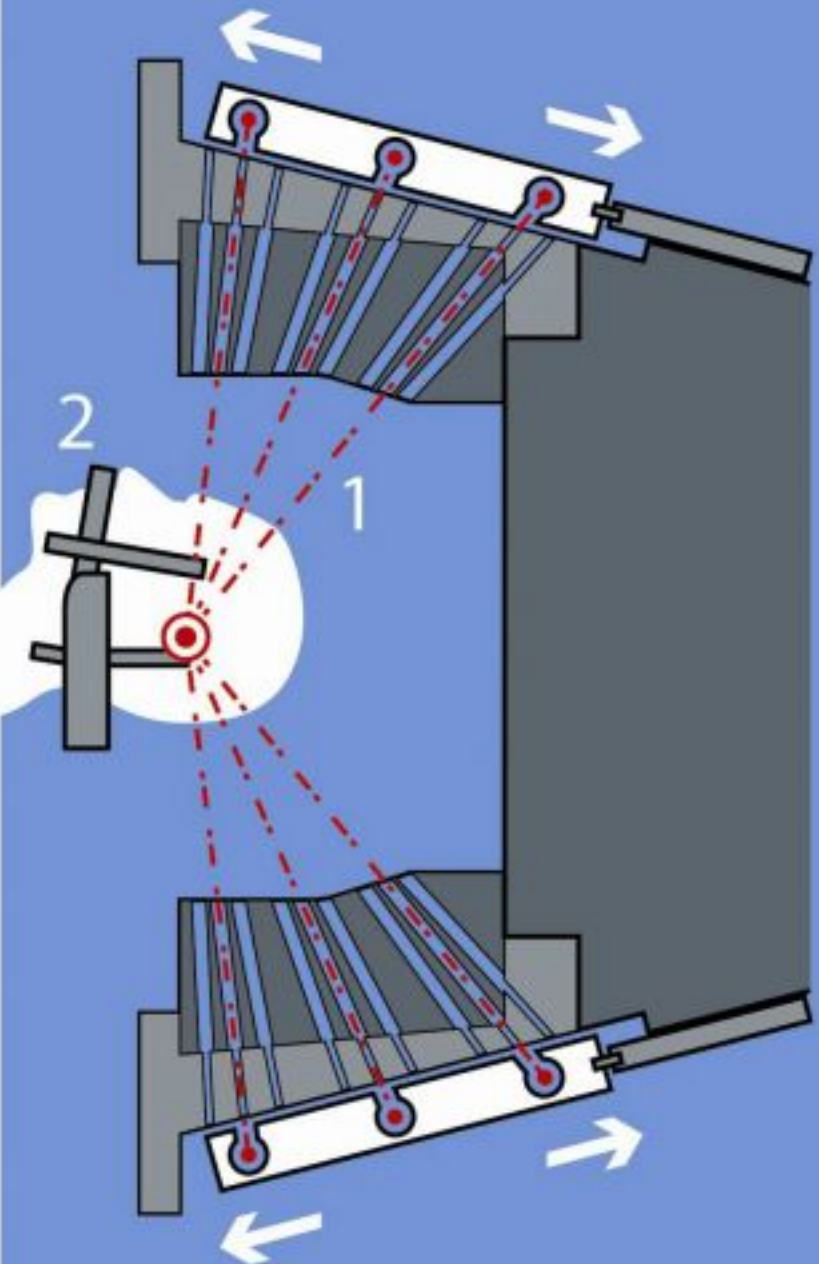
The patient can communicate via video camera and an intercom at all times. The treatment time varies between 20 minutes and several hours depending on the complexity of the treatment.

With the treatment planning software, Leksell GammaPlan, the shape and amount of radiation is decided to give an optimal treatment.

Perfexion is designed to treat patients with different types of brain disorders, for example benign and malignant tumors.

## Radiation unit

1 Ionizing gamma radiation is emitted from 192 cobalt-60 sources whose beams converge on a precise selected area of the brain. The accuracy is about 0.5 mm. There is minimal effect on the surrounding healthy tissue.



2 A stereotactic frame is attached to the patients head and interlocked to the Gamma Knife unit. This to ensure maximum precision.

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Leksell Gamma Knife Perfexion is fully automated. The radiation unit is housed inside of the machine itself. The radiation beams are shaped exactly around the tumor. Several tumors can be treated in one session.