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“Imagine brain surgery...without a knife  
...without even breaking the skin.”

## LOYOLA'S SHAPED-BEAM COMPUTER-ASSISTED SURGICAL THERAPY

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### RECENT BREAKTHROUGHS

Your health and quality of life are our greatest concern. Due to incredible advances in the delivery of radiation therapy, we can provide you with new options for minimally invasive brain surgery to address tumors and vascular malformations. At Loyola University Health System you have access to the most advanced shaped-beam®, computer-assisted surgical therapy. With our nationally recognized team of neurosurgeons, radiation oncologists, physicists, therapists and nurses by your side, you truly benefit from a unique combination of exceptional expertise, technology and care.

### ENHANCED PATIENT OUTCOMES

In some cases, traditional brain surgery is too risky. Gamma technology, circular-profile beams, emitted by most of today's radiosurgery devices, are unable to precisely target tumors. Loyola has changed that with the acquisition of the latest in shaped-beam®, computer-assisted surgical therapy.

### HOW DOES IT WORK?

This new system — shaped-beam® radiosurgery with pinpoint accuracy — shapes the beam to match the structure of the tumor, leaving as much healthy tissue as possible. The system allows our physicians to treat brain tumors within a millimeter range and perform non-invasive brain and skull-based surgery. The procedure eliminates lengthy hospital stays, speeds recovery and gets you back into daily life.

### WHAT TO EXPECT

A typical treatment day begins in the morning. You are fitted with a removable head frame, and then diagnostic images are taken to define the tumor location and to determine the dose of radiation. Your medical team will then plan your course of treatment.

During the treatment, you'll be comfortable. Your team will talk to you throughout the process, which takes about 30 minutes. Afterward, you may return home and resume your normal activities.

### HOW TO WORK WITH US

We have the only shaped-beam, computer-assisted surgical therapy system within a 150-mile radius. For the most advanced treatment and truly compassionate care, turn to Loyola.

**Contact the Loyola Healthcare Access Call Center at (708) 216-8563 to schedule an appointment.**



LOYOLA  
UNIVERSITY  
HEALTH SYSTEM

Loyola University Chicago

*We also treat the human spirit.™*