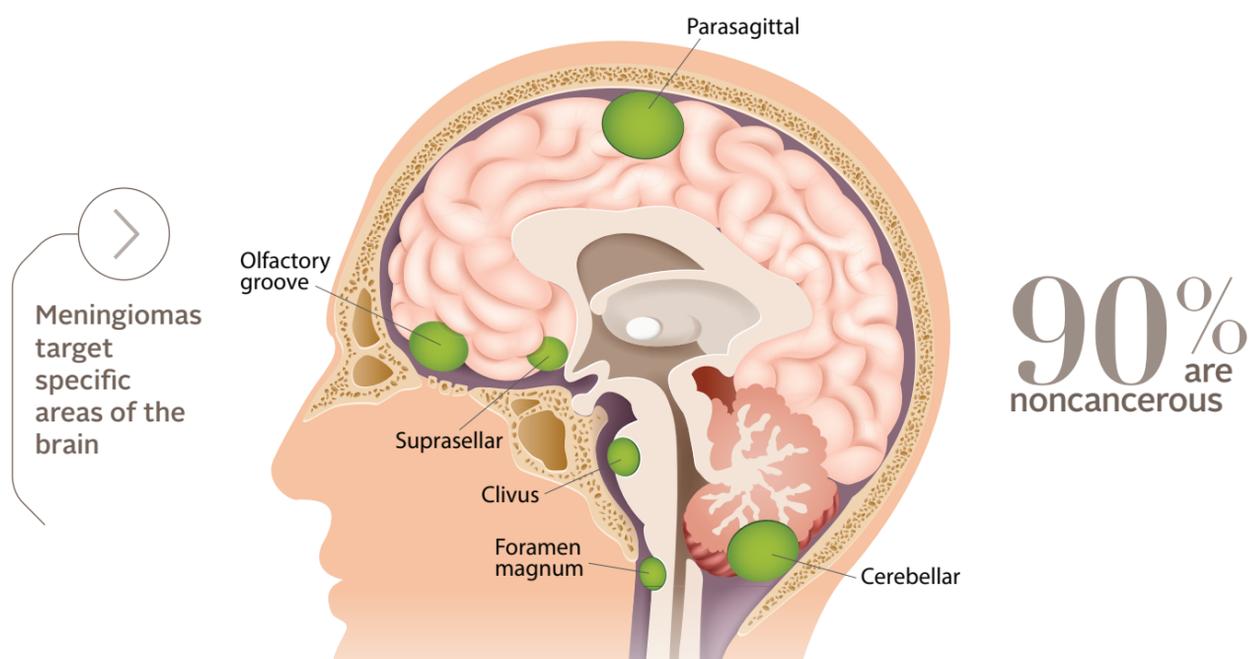


# Meningiomas

are tumors that form on membranes that cover the brain and spinal cord just inside the skull.



  
1/3 of all primary brain tumors

  
2x as common in women as men

 **40-70**  
Age when most meningiomas are diagnosed

## TREATMENT OPTIONS



### Active Surveillance

If your tumor is slow-growing and does not affect your health, your doctor may choose to observe your tumor at scheduled intervals rather than treat it immediately. Your doctor will monitor the tumor's growth with MRI scans.



### Surgery

Traditional surgery is used to remove tumors that are causing symptoms. In certain cases, not all of the tumor will be removed if it risks damage to critical structures. Minimally invasive surgery may be an option.



### Gamma Knife®

Precisely targeted beams of radiation aimed at the tumor create a reaction that decreases the blood supply to the tumor. Without a blood supply, the tumor starves and usually stops growing and sometimes even shrinks. Gamma Knife may be used instead of active surveillance. It also may be used as an alternative to open surgery, especially when the tumor involves critical structures such as the optical area.

#### BENEFITS OF GAMMA KNIFE

- Successfully treats 90-95% of meningiomas
- Noninvasive; no incisions; no downtime
- One-time treatment
- Eliminates follow-up visits and worry about future growth



## LEARN MORE

about the benefits of Gamma Knife from one of our expert neurosurgeons.

**WATCH NOW.**

### Are you a candidate for Gamma Knife treatment?

- Have you been diagnosed with a meningioma?  Yes  No
- Are you free of any symptoms (headaches, blurred vision, etc.)?  Yes  No
- Is your meningioma smaller than 3-4 centimeters?  Yes  No

If you answered **yes** to these questions, you are most likely a candidate for Gamma Knife treatment. Every patient is different, so talk with your physician about your situation.

If your physician has recommended active surveillance because you are not experiencing symptoms, you may want to consider Gamma Knife because:

- You are a younger patient whose meningioma may start to grow. Younger patients may want to consider prophylactic treatment for a meningioma.
- Gamma Knife is a one-time treatment and typically covered by insurance.

If your physician has recommended surgery and your tumor meets certain criteria, you may want to consider Gamma Knife. Gamma Knife treatment offers these benefits over surgery:

- **No incision.** Resulting in fewer complications such as bleeding, infection, or cerebrospinal fluid leakage.
- **Painless.** Requires no general anesthesia, eliminating the related potential side effects.
- **No downtime.** Patients can return to their normal activities almost immediately, with no rehabilitation necessary.

## IF YOU WOULD LIKE TO LEARN MORE

about Gamma Knife treatment and whether you could be a candidate, schedule a free consultation with one of our Gamma Knife nurses by submitting the form below.