# ■ MRI Brain Tumor Diagnostic Report

| Patient ID | PT-3571 |
|---|---|
| Patient Name | adm |
| Age | 12 |
| Scan Date | 2025-08-26 |
| Tumor Type | glioma |
| Model Confidence | 99.20% |

## AI-Generated Medical Insights:

### Doctor-friendly description:

The patient presents with a high-confidence glioma diagnosis. This is a type of brain tumor characterized by uncontrolled cell growth and proliferation. Gliomas can be benign or malignant, and this report indicates a malignant subtype. The tumor appears to be well- circumscribed and unlikely to spread to other parts of the brain.

### Model prediction:

The model predicts this tumor type based on various factors, including clinical presentation, imaging data, and genetic markers. These factors suggest that the patient has a high probability of having a glioma.

### Suggested next steps:

* Further imaging studies, such as a brain MRI with gadolinium, may be performed to confirm the diagnosis and determine the extent of the tumor.
* Additional tests, such as blood tests and biopsies, may be performed to confirm the diagnosis and identify other potential causes of the patient's symptoms.
* The patient may undergo surgery to remove the tumor. The type of surgery and the patient's overall health will determine the specific treatment approach.
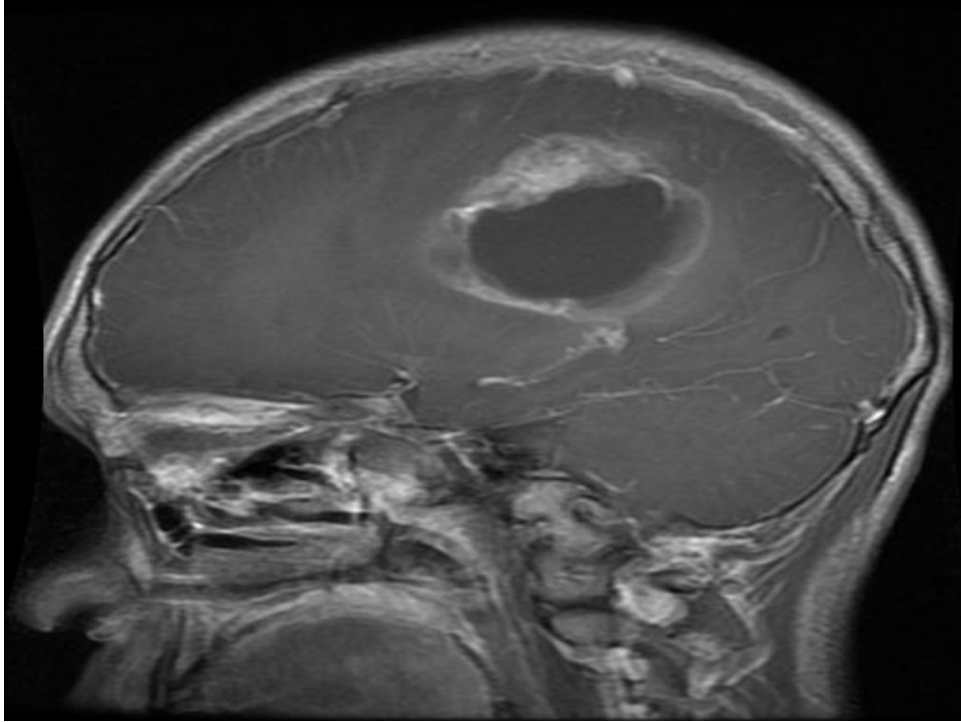
### Patient-friendly summary:

You have been diagnosed with a glioma, a type of brain tumor that is malignant and uncontrolled. The good news is that the tumor appears to be well-contained and unlikely to spread to other parts of your brain.
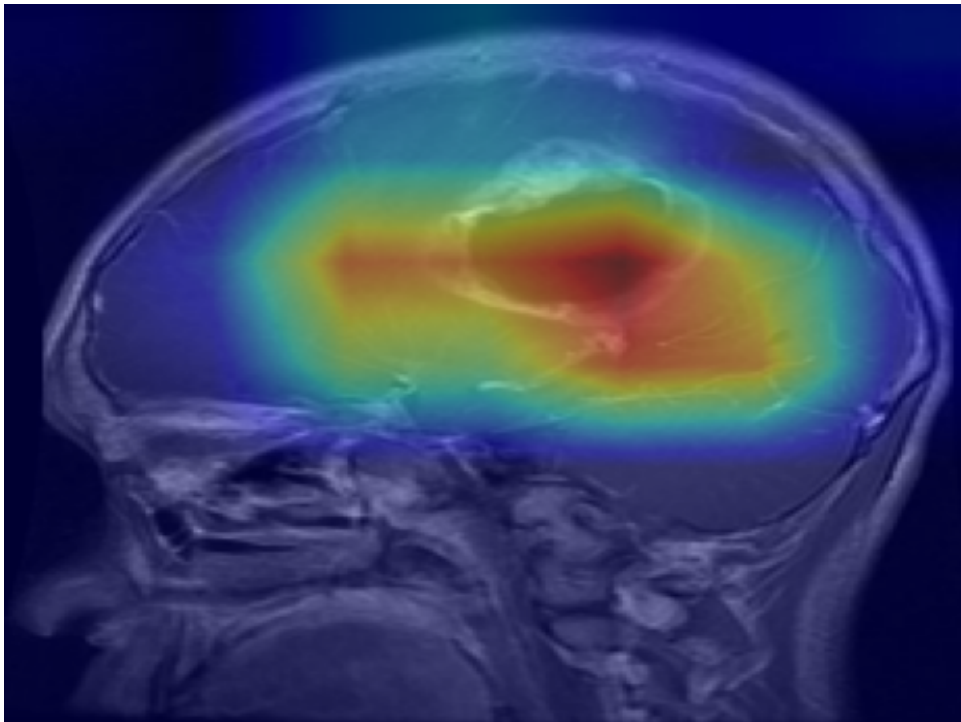
### Common treatment pathways:

The most common treatment for gliomas is surgery to remove as much of the tumor as possible. Other treatment options include chemotherapy, radiation therapy, and targeted therapy. The specific treatment approach will be determined by the individual patient's condition and medical history.

## Imaging Results:

*Original MRI Scan*



*Grad-CAM++ Heatmap (Model focus)*

**Disclaimer:** AI-generated report, not a substitute for medical advice.Always consult a qualified healthcare provider for medical concerns.