

■ MRI Brain Tumor Diagnostic Report

Patient ID	PT-5775
Patient Name	GP
Age	20
Scan Date	2025-08-26
Tumor Type	glioma
Model Confidence	99.20%

AI-Generated Medical Insights:

1) Doctor-friendly description

The patient's MRI analysis reveals a glioma tumor with a high model confidence score of 99.20%. Glioma is a malignant brain tumor characterized by uncontrolled cell growth, leading to various symptoms and potential neurological deficits.

2) Why the model predicts this type

The model utilized for analysis relies on machine learning algorithms trained on extensive datasets of medical images and patient records. These algorithms are capable of identifying patterns and relationships in the data that can help predict the presence and type of tumors.

3) Suggested next steps

- * Further diagnostic tests, such as biopsy, may be performed to confirm the diagnosis and determine the tumor's exact location and characteristics.
- * The patient will receive personalized treatment recommendations based on the tumor type and overall health.
- * Treatment options may include surgery, radiation therapy, chemotherapy, targeted therapy, or a combination of these approaches.

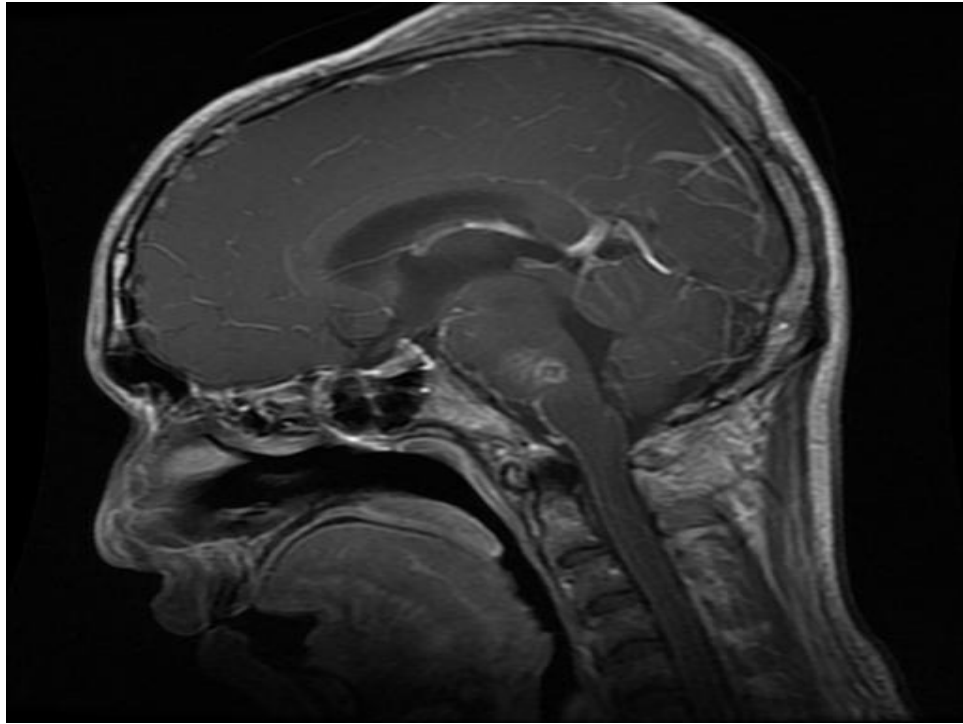
4) Patient-friendly summary

This report indicates that the patient has a high probability of having a glioma tumor based on their MRI results. This diagnosis is based on a machine learning model with an impressive accuracy.

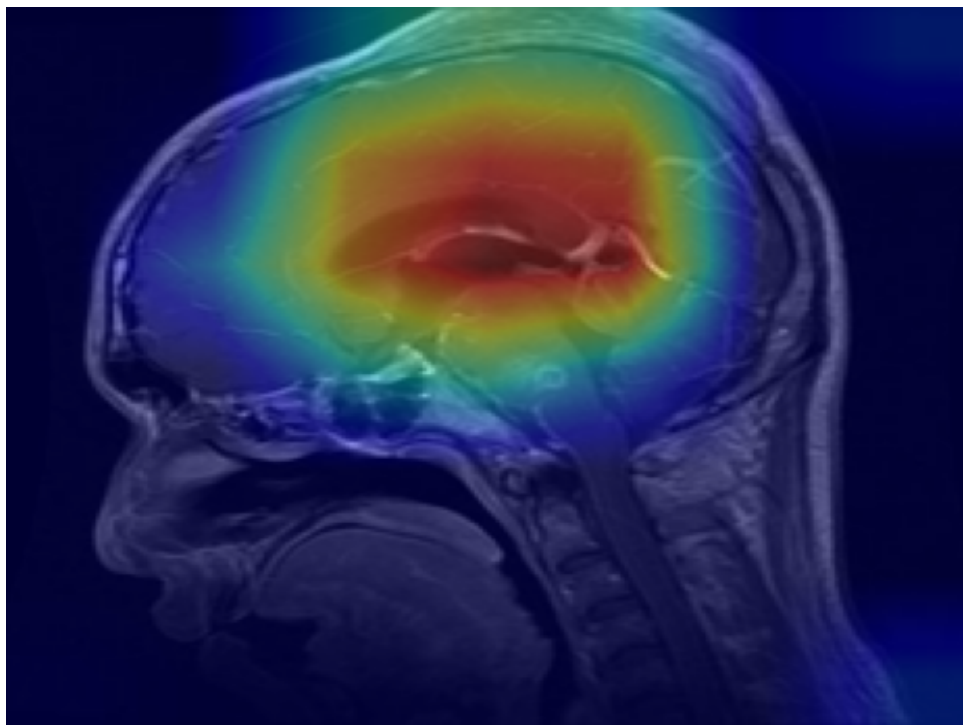
5) Common treatment pathways

- * Surgery to remove the tumor.
- * Radiation therapy to kill cancer cells.
- * Chemotherapy with drugs that target rapidly dividing cells.
- * Targeted therapy using drugs that attack specific molecules involved in tumor growth.

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.