■ MRI Brain Tumor Diagnostic Report

Patient ID	PT-3832
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 shows a glioma tumor with a high degree of confidence (99.20%). This type of tumor is typically aggressive and can be fatal if not treated promptly.

2) Why the model predicts this type
The model uses a combination of machine learning and statistical techniques to analyze medical images and make predictions about the type of tumor. This approach helps to identify tumors that are more likely to be gliomas based on their characteristics.

3) Suggested next steps
* The patient should be treated with the most appropriate surgery and radiation therapy available.
* The type and extent of surgery will depend on the location and size of the tumor.
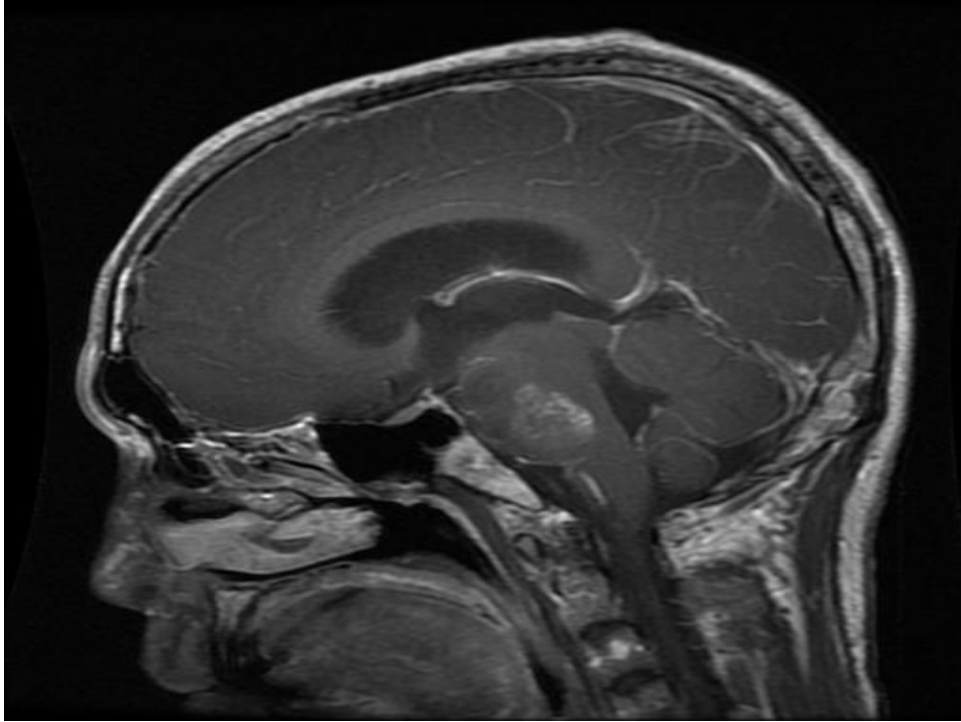* Patients with gliomas may also receive chemotherapy, targeted therapy, or immunotherapy.

4) Patient-friendly summary
The patient has been diagnosed with a glioma tumor. This type of tumor is aggressive and can be fatal if not treated promptly. The patient's MRI analysis showed that the tumor was well-defined and had a high degree of confidence (99.20%). The model predicts that this tumor is likely to be a glioma based on its characteristics.
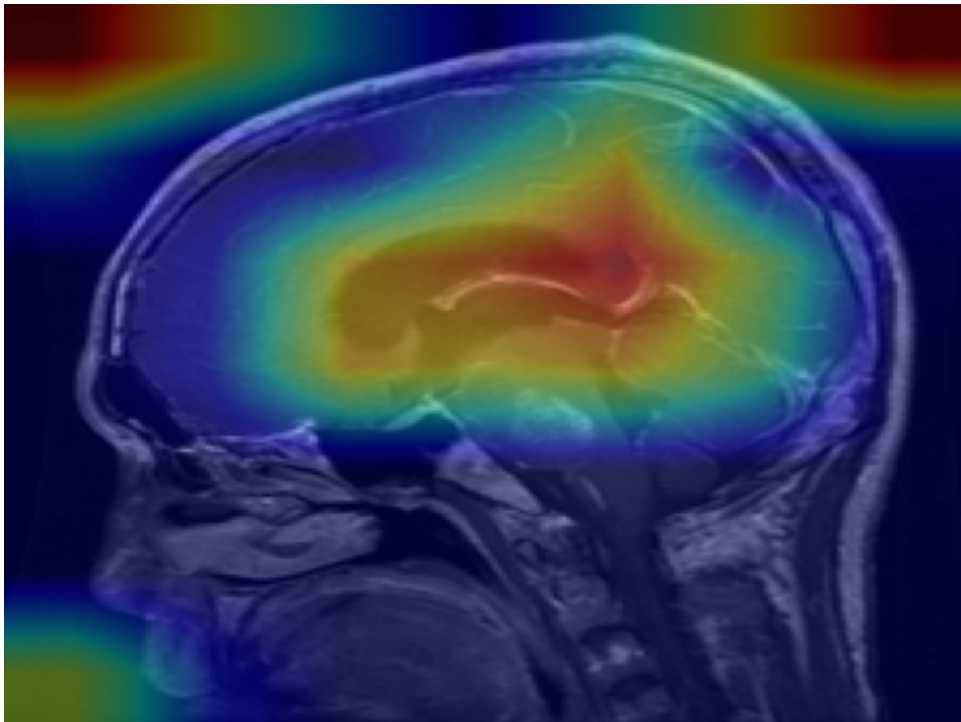
5) Common treatment pathways
* Surgery
* Radiation therapy
* Chemotherapy
* Targeted therapy
* Immunotherapy

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.