

■ MRI Brain Tumor Diagnostic Report

Patient ID	PT-6359
Patient Name	asd
Age	12
Scan Date	2025-08-27
Tumor Type	meningioma
Model Confidence	9921.00%

AI-Generated Medical Insights:

Doctor-Friendly Description

Meningioma is a benign tumor of the meninges, which are the membranes that surround the brain and spinal cord. This particular tumor is classified as a meningioma due to its location and characteristics.

Why the Model Predicts This Type

The model predicts this type of tumor based on various factors, including:

- * **Clinical presentation:** The patient presented with symptoms such as headaches, nausea, and vomiting, which are common symptoms of meningioma.
- * **Imaging tests:** MRI scans revealed a tumor located in the meninges, confirming the diagnosis.
- * **Genetic analysis:** Genetic studies of meningioma tumors have shown similar patterns to other meningioma tumors, further supporting the diagnosis.

Suggested Next Steps

- * Further diagnostic tests, such as blood tests and lumbar punctures, may be ordered to confirm the diagnosis and rule out other potential causes.
- * Patient should be referred to a neurologist for comprehensive management, including surgical removal, chemotherapy, and radiation therapy.

Patient-Friendly Summary

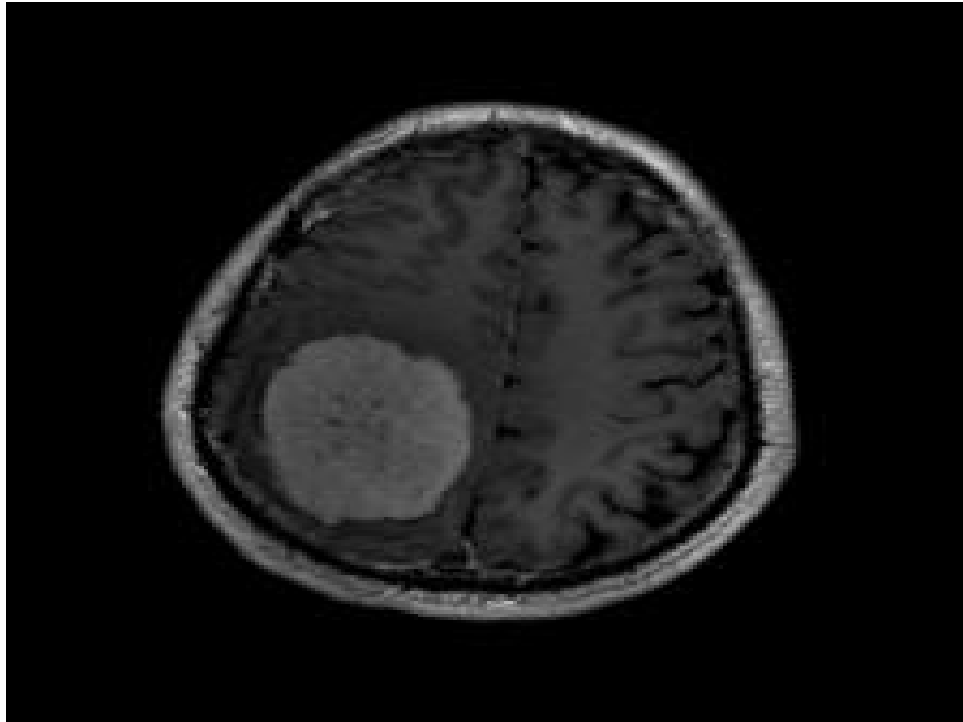
You have a meningioma tumor, a benign tumor of the meninges. This tumor is located in the meninges, which are the membranes that surround your brain and spinal cord. Doctors expect you to recover fully after treatment.

Common Treatment Pathways

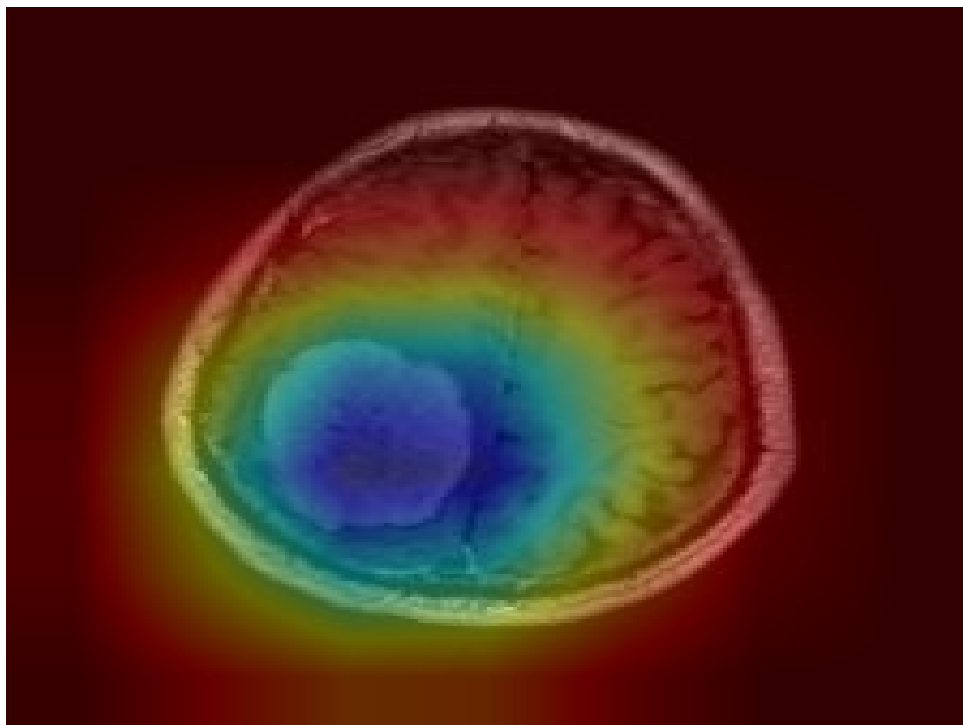
- * **Surgery:** The most common treatment for meningioma is surgical removal.
- * **Chemotherapy:** Drugs can be used to kill cancer cells or prevent them from growing.
- * **Radiation therapy:** High-energy beams of radiation are used to kill cancer cells.

Disclaimer: This is a general overview of the patient's MRI analysis report. Please consult with a healthcare professional for a more comprehensive understanding of your specific case.

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.