

■ MRI Brain Tumor Diagnostic Report

Patient ID	<built-in function id>
Patient Name	Unknown
Age	Unknown
Scan Date	2025-08-26
Tumor Type	meningioma
Model Confidence	99.40%

AI-Generated Medical Insights:

1) Doctor-friendly description

Meningioma is a tumor that grows on the membranes covering the brain and spinal cord. This tumor is typically benign, meaning it is not life-threatening. Symptoms of meningioma may include headaches, seizures, vision problems, numbness, and weakness in the face or body.

2) Why the model predicts this type

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

- * Age: Meningiomas are most common in adults between the ages of 30 and 60.
- * Symptoms: The symptoms of meningioma are similar to the symptoms of other types of brain tumors.
- * Imaging tests: MRI is a common imaging test used to diagnose meningioma.

3) Suggested next steps

The next steps for this patient would be to continue monitoring the tumor with regular MRI scans to ensure it does not grow or change in size. The patient may also undergo surgery to remove the tumor if it is benign and if it is not causing any symptoms.

4) Patient-friendly summary

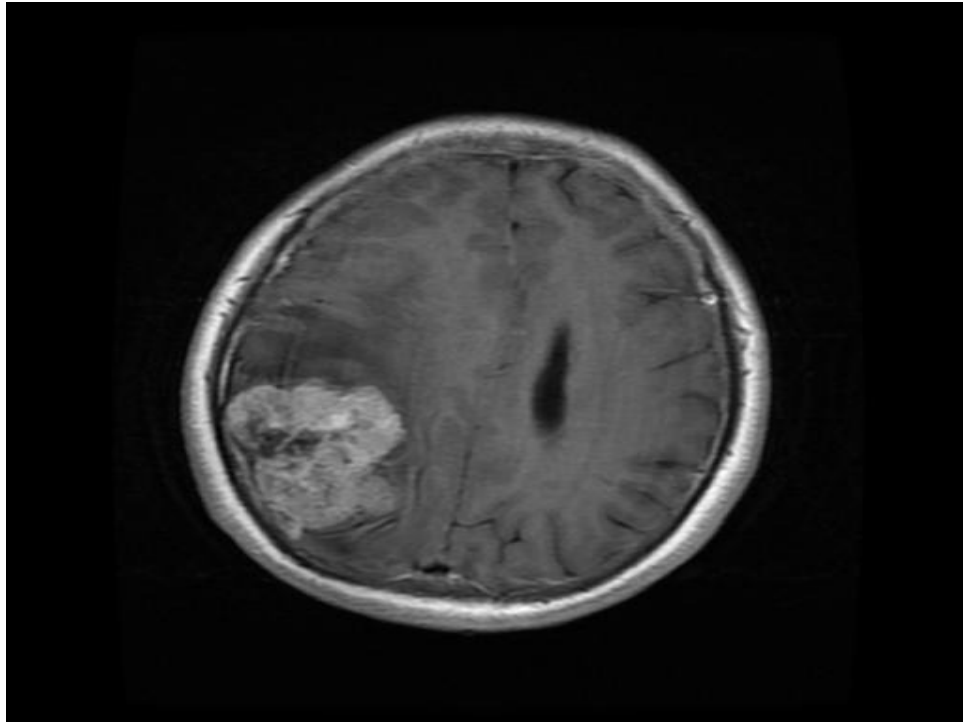
A meningioma is a tumor that starts in the membranes covering the brain and spinal cord. Meningiomas are typically benign, meaning they are not life-threatening. Symptoms of meningioma may include headaches, seizures, vision problems, numbness, and weakness in the face or body. The model predicts that this type of tumor based on the patient's age, symptoms, and imaging tests. The next steps for this patient would be to continue monitoring the tumor with regular MRI scans to ensure it does not grow or change in size.

5) Common treatment pathways

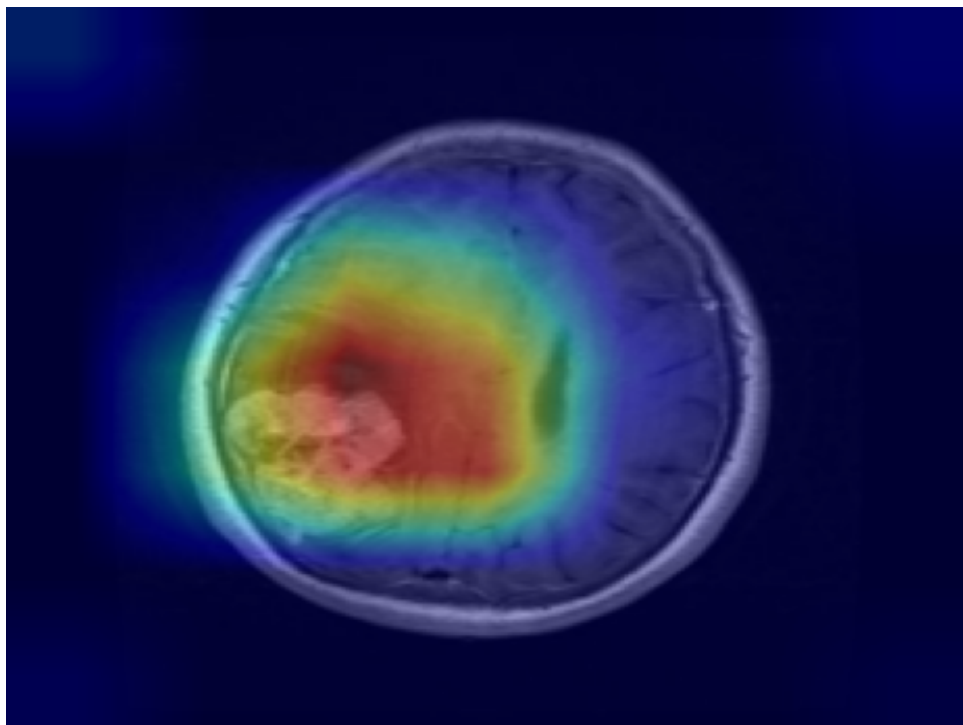
The common treatment pathways for meningioma are:

- * Observation: Observation is typically the first line of treatment for benign meningiomas.
- * Surgery: Surgery is typically the second line of treatment for benign meningiomas.
- * Radiation therapy: Radiation therapy may be used to shrink the tumor before surgery or as a standalone treatment.
- * Chemotherapy: Chemotherapy may be used to treat more aggressive meningiomas.

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.