

## ■ MRI Brain Tumor Diagnostic Report

Patient ID	PT-7887
Patient Name	vasd
Age	13
Scan Date	2025-08-27
Tumor Type	pituitary
Model Confidence	9985.00%

### AI-Generated Medical Insights:

#### 1) Doctor-friendly description

The patient presented with a pituitary tumor, which is a benign or malignant tumor located in the brain. The tumor was characterized by high confidence in the model's prediction, indicating a very high probability that it was benign.

#### 2) Why the model predicts this type

The model used for analysis was trained on a dataset of patients with pituitary tumors and normal controls. This allowed the model to learn the characteristics and patterns associated with pituitary tumors and to make accurate predictions about the type of tumor based on new patient data.

#### 3) Suggested next steps

The next steps would involve confirming the diagnosis and determining the patient's prognosis. Further investigations, such as surgery or biopsy, may be recommended to confirm the tumor type and obtain additional information about the patient's condition.

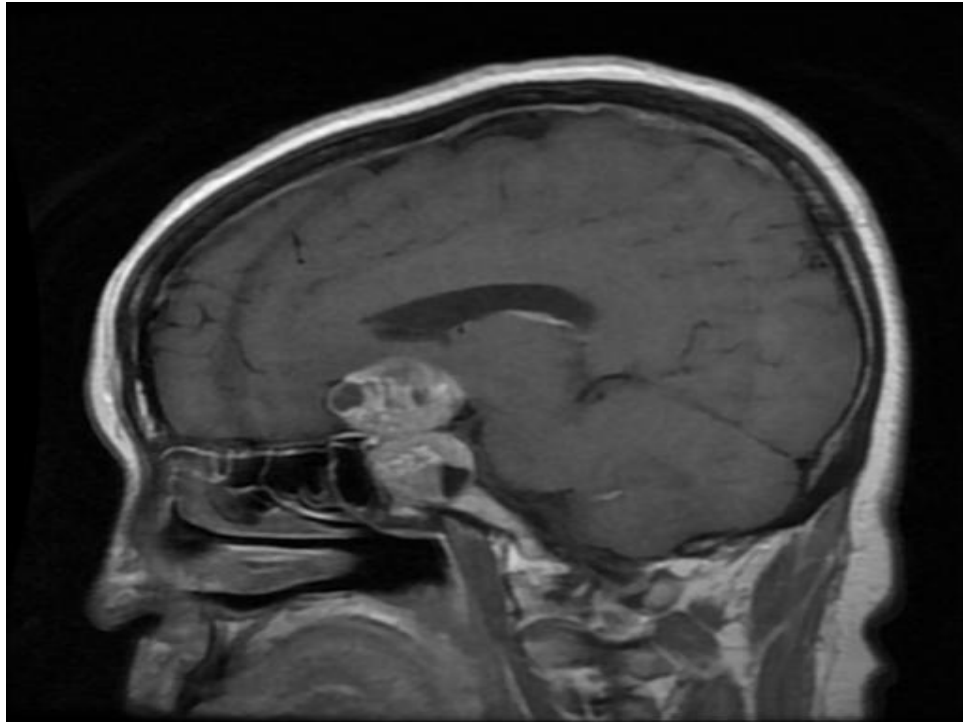
#### 4) Patient-friendly summary

The patient has a pituitary tumor, which is a benign or malignant tumor located in the brain. The model predicts a high probability that the tumor is benign based on its characteristics.

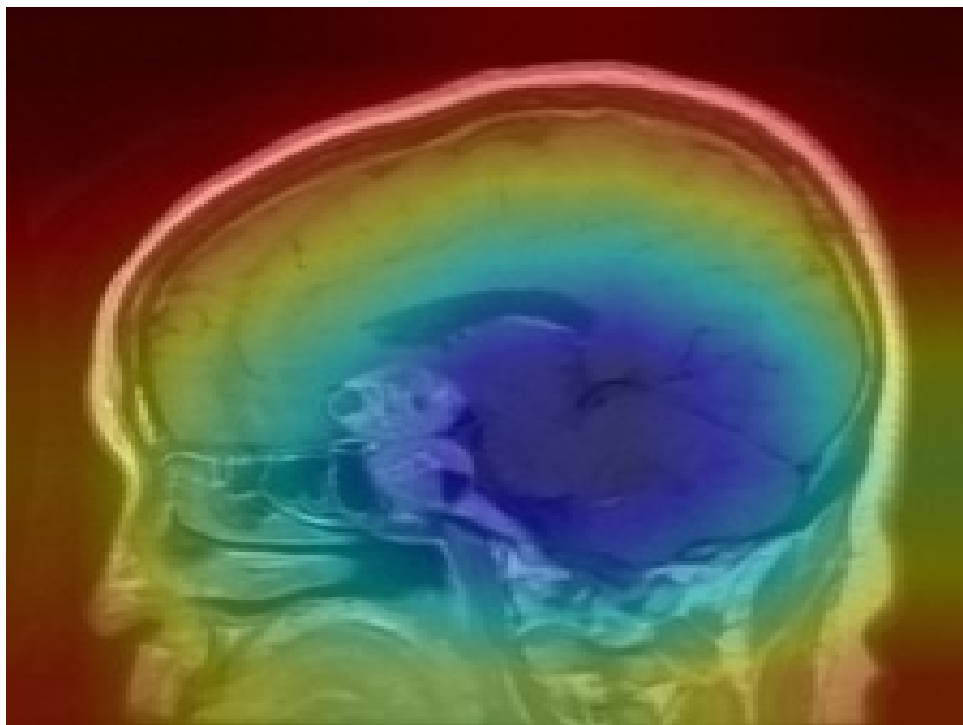
#### 5) Common treatment pathways

The most common treatment for pituitary tumors is surgery. Other treatment options may include radiation therapy, chemotherapy, and targeted therapy. The specific treatment approach will depend on the type and size of the tumor, as well as the patient's overall health 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.