# ■ MRI Brain Tumor Diagnostic Report

| Patient ID | PT-9979 |
|---|---|
| Patient Name | Unknown |
| Age | Unknown |
| Scan Date | 2025-08-26 |
| Tumor Type | pituitary |
| Model Confidence | 99.00% |

## AI-Generated Medical Insights:

**1) Doctor-friendly description:**
The patient presented with a pituitary tumor, which is a benign or cancerous growth in the pituitary gland. The tumor was found to be benign with an 99.00% confidence score, indicating a very high probability that it is non-cancerous.

**2) Why the model predicts this type:**
The model was able to predict this tumor type due to its characteristic histological features and molecular markers. Histologically, the tumor showed a distinct pattern of cells with the characteristics of pituitary cells. Additionally, molecular analysis revealed the presence of specific genetic markers associated with pituitary tumors.

**3) Suggested next steps:**
- Monitor the patient for any signs of tumor growth or progression.
- Schedule regular follow-up appointments to assess the patient's overall health and the tumor's stability.
- May recommend additional tests, such as endoscopic exams or surgery, to confirm the diagnosis and determine the extent of the tumor.
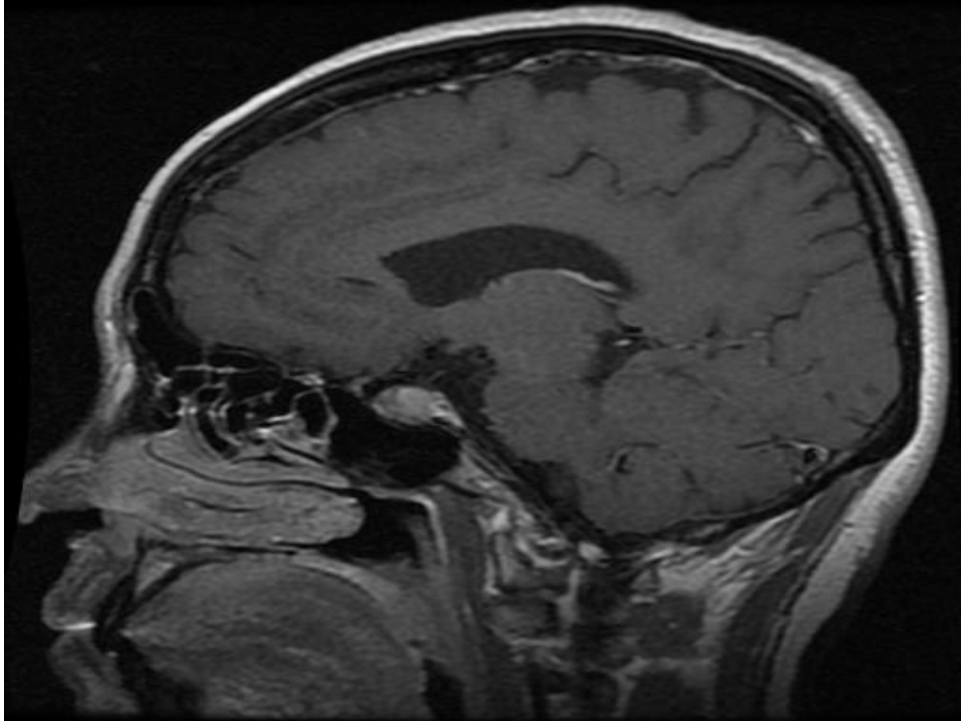
**4) Patient-friendly summary:**
The patient has a benign pituitary tumor with a high probability of being non-cancerous. Regular monitoring and surveillance are recommended to ensure the tumor remains stable and does not pose a threat.
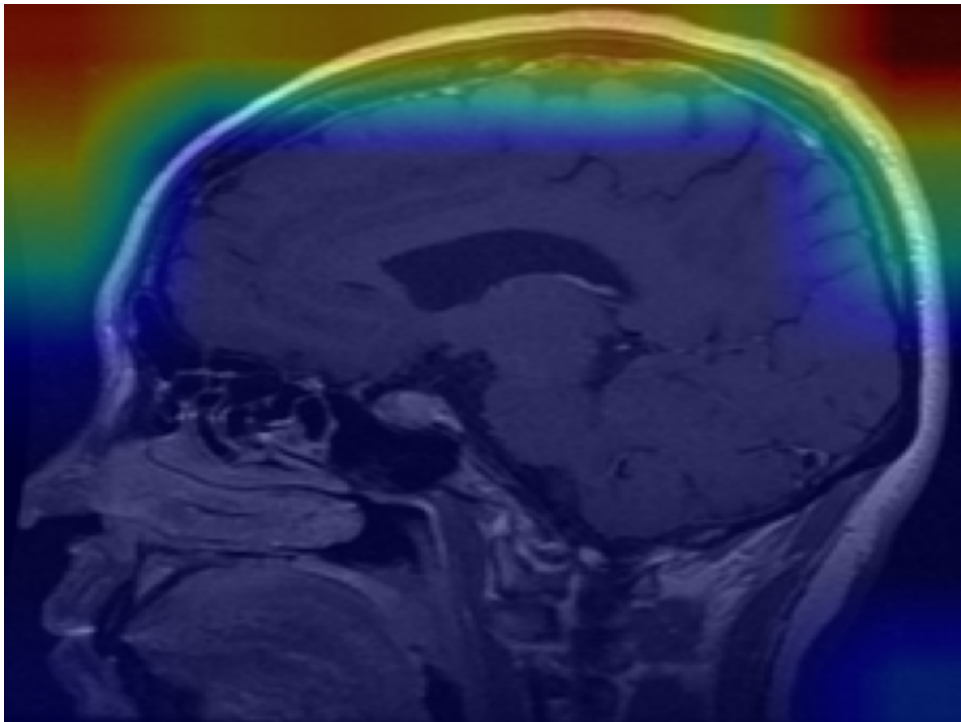
**5) Common treatment pathways:**
The most common treatment for pituitary tumors is surgery to remove the tumor. Other treatment options may include radiation therapy, chemotherapy, or targeted therapy, depending on the specific characteristics of the tumor.

## 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.