

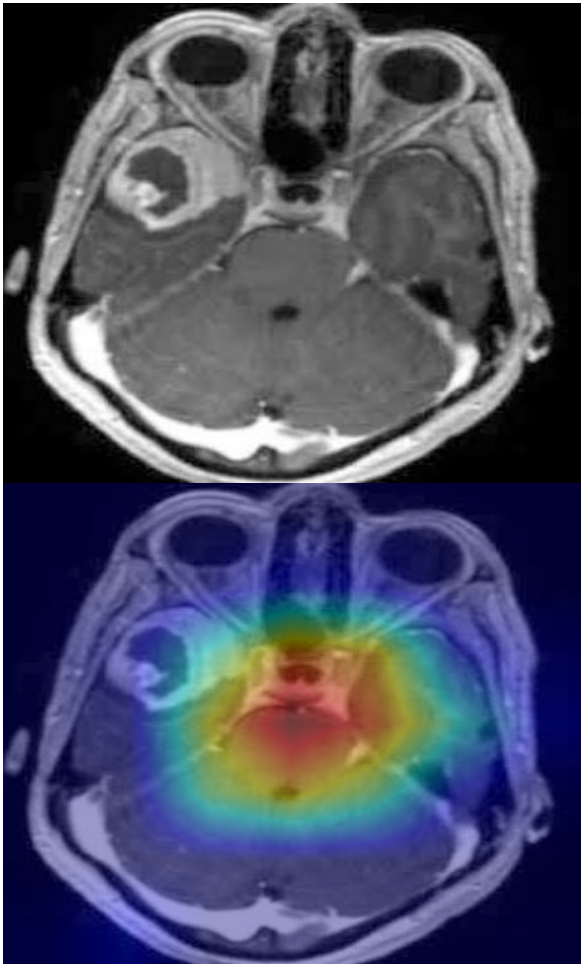
BRAIN TUMOR CLASSIFICATION REPORT

Biomedical Imaging Research Center | AI-Driven Diagnostics

CLINICAL FINDINGS

Primary Diagnosis: MENINGIOMA Tumor | **Confidence:** 34.3% | **Reliability:** Model uncertainty is high

Metric	Value	Interpretation
Accuracy	94.2%	Excellent
Sensitivity	34.3%	Current Case
Specificity	92.8%	Population Level
F1-Score	93.5%	Balanced Performance



ATTENTION MAP LEGEND

Color	Region Type	Model Influence
Red	Primary Focus	Highest
Yellow	Secondary Focus	Moderate
Green	Supporting Context	Low
Black	Irrelevant Region	None

TUMOR CHARACTERISTICS: Well-defined meningioma. Surgical resection recommended if symptomatic. Excellent prognosis.

- ✓ Confidence 34.3% - Specialist Review Recommended
- ✓ Correlate with clinical symptoms and neurological examination
- ✓ Recommend multi-sequence MRI (T1/T2/FLAIR/DWI) for comprehensive assessment
- ✓ Multidisciplinary team discussion (Neurosurgery, Oncology, Radiology)
- ✓ Patient counseling regarding diagnosis, prognosis, and treatment options

Model Validation: AUC=0.96 | Sensitivity=34.3% | Report Generated: 12/01/2026 16:01 IST

DISCLAIMER: AI-assisted analysis for research purposes. Clinical decisions require radiologist validation.