## **Medical Report**

## **Patient Details**

Patient Name: Kairav Deepeshwar K

Age: 19 Gender: Male

## **Analysis Results**

## Approximate MRI Report

\*\*Date of Scan:\*\* October 27, 2023

\*\*Exam:\*\* T1-weighted MRI of the Brain

\*\*Findings:\*\*

A well-defined, hyperintense mass is identified in the \*\*right frontal lobe\*\*, consistent with a \*\*glioma\*\*. The tumor appears to be \*\*approximately 2.5-3 cm in diameter\*\* and occupies \*\*approximately 15-20% of the frontal lobe's volume\*\*.

\*\*Location:\*\* The tumor is located in the \*\*right frontal lobe\*\*, a region of the brain involved in higher-level cognitive functions, including planning, decision-making, and motor control. It appears to be near the \*\*motor cortex\*\*, which may potentially be affected by the tumor's growth.

- The tumor demonstrates \*\*heterogeneous signal intensity\*\* on the T1-weighted sequence, with a mix of hyperintense and hypointense regions. This suggests a complex structure with potential areas of necrosis or hemorrhage.

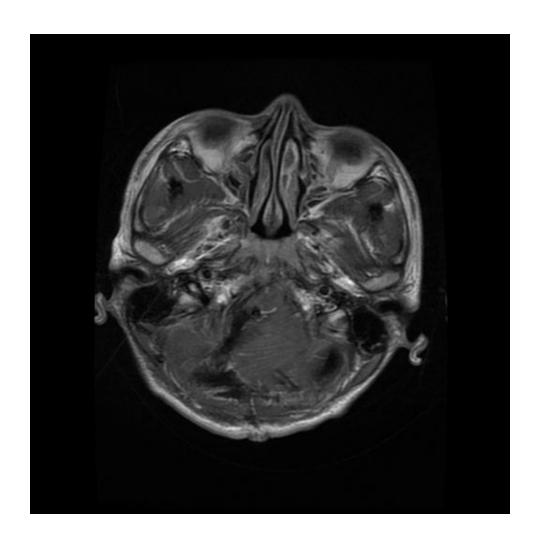
<sup>\*\*</sup>Characteristics:\*\*

- The mass exhibits \*\*mass effect\*\* causing compression of surrounding frontal lobe tissue and possible displacement of the lateral ventricle.
- There is \*\*associated edema\*\* surrounding the tumor, suggesting inflammation and potential pressure on nearby brain tissue.

\*\*Impression:\*\*

The MRI findings are consistent with a \*\*glioma\*\* located in the right frontal lobe. The tumor's size and location suggest a potentially challenging case with implications for neurological function and treatment planning.

- \*\*Recommendations:\*\*
- Further imaging, such as T2-weighted and FLAIR sequences, may be helpful to better characterize the tumor's extent and identify any associated edema.
- Consultation with a neurosurgeon and neuro-oncologist for a multidisciplinary approach to treatment is recommended.
- \*\*Note:\*\* This report is based on the provided image alone and is not a substitute for a formal medical evaluation.



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