

Brain Tumor Classification Report

Name: Bahubali

Age: 46

Gender: Male

Symptoms: Headache

Prediction: No Tumor

Description:

Upon examining the MRI scan, there is a significant abnormality visible. The scan shows a large area of hypodensity (dark area) in the left hemisphere of the brain, which is consistent with a large ischemic stroke or cerebral infarction rather than a tumor. This area suggests loss of brain tissue or edema, likely due to a vascular event causing brain damage.

Impact Analysis:

- The large ischemic area can cause increased intracranial pressure, leading to headaches and possible neurological deficits.
- The stroke can impair blood flow and oxygen delivery to the brain, causing clinical deterioration.
- The symptoms such as headache could be related to this ischemic event rather than a tumor.

Final Diagnosis:

The clinical deterioration and headache are most likely caused by a large ischemic stroke (cerebral infarction) rather than a tumor, consistent with the CNN model's prediction of "No Tumor."

No Tumor indicates the absence of neoplastic growth in the brain. The patient's symptoms and imaging

findings suggest a cerebrovascular event (stroke) rather than a tumor. Stroke is caused by interruption of blood supply to the brain, leading to tissue damage and neurological symptoms.

Precautions:

- Immediate medical evaluation and management for stroke are critical.
- Control risk factors such as hypertension, diabetes, and smoking.
- Follow prescribed medications like antiplatelets or anticoagulants.
- Maintain a healthy diet and regular exercise.
- Monitor for any new neurological symptoms and seek emergency care if symptoms worsen.
- Regular follow-up with a neurologist is recommended.

This patient should be urgently referred for stroke management to prevent further brain damage and complications.



Grad-CAM Image

