



Patient ID:	53182	Patient Name:	MOHAMMED HASAN MOUSA BANAT
Age:	45 Years	Sex:	M
Birth Date:	27-Jan-1978	Modality:	MR
Ref. Physician:	SERVICE HUB	Study:	BRAIN
		Study Date:	06-Dec-2023

RADIOLOGY REPORT

MRI BRAIN, PLAIN STUDY FOR FOLLOW-UP

CLINICAL DETAILS: History of left temporal oligodendroglioma, operated, with MRI imaging documents is available for compression.

SEQUENCES:

- Axial (T1-W, T1-fs, T2-W and FLAIR sequences) in addition to coronal and sagittal (T2W and FLAIR) planes are done for the brain using open MRI machine.

FINDINGS:

- Status of left temporal post-operative oligodendroglioma with post-surgical CSF fluid-filled resection cavity measuring 4.5 x 4.4 x 3.1 cm in anteroposterior, transverse and superoinferior diameters respectively.
- There is a site of left temporal craniotomy is seen and low T1W surgical bed encephalomalacia with surrounding irregular margin low signal on T1W and high signal on T2W and FLAIR sequences, keeping with parenchymal gliosis with surrounding brain edema, finding with no significant interval change as compared to the previous MRI dated 07/09/2023.
- The medial aspect of the posterior margin of the lesion shows thickening electing low signal on T1W, high signal on T2W and FLAIR and show restricted diffusion in DW/ADC map. It creating mass effect on the posterior aspect of left thalamus and left side of mid-brain, shifting the midline to the contralateral side by approximately 8 mm which slightly increase as compared to the previous MRI dated 7/09/2023 (previous measuring for mid-line shift = 7.5 mm).
- Remainder of brain parenchymal tissue signal intensity and gray-white matter differentiation is normal with no mass occupying lesion, mass effect or midline shift could be detected.
- Normal brainstem signal intensity with no abnormality.
- Normal sella and suprasellar region.
- Normal size and configuration of the ventricular system.
- Normal basal ganglia, internal capsule and thalamus on either side with no abnormal signal.
- Normal cortical sulci, sylvian fissures and basal cisterns.
- Normal posterior fossa structures.
- CPA and IAM are unremarkable bilaterally.

IMPRESSION:

- * Post-operative left temporal oligodendroglioma with surgical bed encephalomalacia and surrounding parenchymal gliosis with regional edema.
- * Medial aspect of the posterior margin soft tissue creating mass effect on the posterior aspect of left thalamus and left side of mid-brain, shifting the midline to the contralateral side by approximately 8 mm, which is slight increase as compared to the previous MRI dated 07/09/2023 (7.5 mm). For clinical correlation and neurosurgical consultation.
- * Normal rest of brain MRI with no another brain lesion.


Dr. Hosameidin Ahmed

Specialist – Diagnostic Radiology

Dr. Hosameidin Ahmed
Specialist Diagnostic Radiology
License No. 00172200-002
Doctors Clinic Diagnostic Center
Dubai Healthcare City

