

Laboratory Investigation Report

Patient Name : xxxxxxxxxxxx	Centre : xxxxxxxx
Age/Gender : xxxxxx	OP/IP No/UHID : xxxxxxxxxxxxxxxxxxxxxx
MaxID/Lab ID : xxxxx	Collection Date/Time : xxxxx
Ref Doctor : xxxxxx	Reporting Date/Time : xxxxx

Test Name	Molecular Diagnostics Result	Unit	Bio Ref Interval
MGMT - PCR			
RT PCR			
Specimen Type:	M-2861/23-E		
Methylation	Detected		
Interpretation	Positive		

Comment 1. This PCR is performed to detect O6 - Methylguanine -DNA Methyltransferase (MGMT) Gene Promoter Methylation in Gliomas patients.

2. The coupling of MGMT promoter methylation with radiotherapy and alkylating chemotherapy drugs such as carmustine or temozolomide, has been shown to increase mean patient survival. Therefore, this test is used as a prognostic indicator to treatment with alkylating agents.

3. The assay determines the methylation status of 6 CpG dinucleotides in a critical region of the MGMT promoter that contains Sp1 transcription factor binding sites. The result is reported as methylation detected.

Kindly correlate with clinical findings

*** End Of Report ***

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