

Case ID : 24010022469
 Patient Name : Mr. JANAKA KODIKARA
 Age/DOB/Sex : 56 Years / / Male
 Hospital Name : Aegle Omics (Private) Limited, Colombo
 Physician Name : Dr. Mahendra Perera
 Registration On : 02-Aug-2024 17:41
 Collection On : 01-Aug-2024 00:00
 Reported On : 07-Aug-2024 21:23
 Process AT : CORE-Gurugram
 Ref ID :
 Sample Type : Whole Blood
 Report Status : Final



UNIQUE PATIENT ID : 135547

TEST NAME

EGFR T790M

SPECIMEN INFORMATION

Received peripheral blood in streck tube

CLINICAL HISTORY

Favour of deposits of primary Lung adenocarcinoma.

METHODOLOGY

Droplet Digital Polymerase Chain Reaction

RESULTS

EGFR Gene	Mutation Status	Copies/ul	Ratio
T790M	Not Detected	-	-

COMMENTS

- EGFR c.2369C>T (T790M) Mutation is located in the kinase domain (exon 20) of the EGFR gene.
- It results into an amino acid substitution at position 790 in EGFR, from a threonine (T) to a methionine (M).
- This mutation is rarely (<5%) found in untreated EGFR-mutated tumors. It is mostly associated with acquired resistance to EGFR tyrosine kinase inhibitor (TKIs) therapy.
- It confers decreased sensitivity to first generation EGFR TKIs (erlotinib, gefitinib), second generation EGFR TKIs (afatinib, dacomitinib, neratinib), and increased sensitivity to third generation (mutant specific) EGFR TKIs (osimertinib).

Dr. Shivani Sharma
 DCP, DNB, DipRCPATH.
 Reg. No. 1906
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Dr. Rahul Katara
 Ph.D.

Dr. Sanjay Kumar
 Ph.D



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3. The reported results are for information and are subject to confirmation and interpretation by the referring doctor.
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