

Visit ID	: YOD650017	UHID/MR No	: YOD.0000627191
Patient Name	: Mr. ZAKER	Client Code	: YOD-TS-0129
Age/Gender	: 23 Y 0 M 0 D /M	Barcode No	: 10963475
DOB	:	Registration	: 07/Mar/2024 05:19PM
Ref Doctor	: SELF	Collected	: 07/Mar/2024 01:00PM
Client Name	: LAKSHANA MEDICAL DIAGNOST	Received	: 07/Mar/2024 05:53PM
Client Add	: HYDERABAD	Reported	: 15/Mar/2024 12:29PM
Hospital Name	:		

DEPARTMENT OF CYTOGENETICS

G BANDED CHROMOSOME (BONE MARROW) - KARYOTYPING

DeptRef ID: CYG-24-BM-05SAMPLE TYPE: Bone Marrow

CHROMOSOMAL ANALYSIS OF BONE MARROW

Referral reason: ?CML

Culture Type	Bone Marrow	Technique	GTG Banding
Slide Number	ONC-2-2 CELL- 12	Coordinates of Metaphase	123.2/14
Metaphase Counted	20	Metaphase Analysed	20
Metaphase Karyotyped	10	Band Resolution	450bp (ISCN 2020)

RESULTS & INTERPRETATIONS

Karyotype Result	46,XY,t(9;22)(q34.1;q11.2)
Interpretation	Conventional Karyotype analysis revealed an abnormal pseudodiploid male karyotype with translocation(9;22)(q34.1;q11.2) as a clonal abnormality in all 20 cells. BCR-ABL1 is a result of the fusion of ABL1gene at 9q34 with the BCR gene at 22q11.2, is a hallmark of CML and shows good response to targeted therapy Imatinib as per reported studies.
Note	* Interpretation according to ISCN 2020 Guidelines. * This analysis may not necessarily include minor/subtle chromosomal abnormalities(microdeletions), low level mosaicism and single gene disorders.
Recommendations if any	• Genetic counselling

Note:

- It is presumed that the specimen used to perform the test belongs to the individual specified above, such verification having been carried out at the collection level of sample
- Variants with unknown clinical significance are not reported.

Verified By :  
A. Sri Sharanam Akhila



Approved By :

  
Dr SURYA PRAKASH  
HOD Cytogenetics (PhD)



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