542133200043341

Mr. RAKESH
AMBALA,AMBALA, AMBALA
Tel No : 9996052899
PIN No: 133001
PID NO: P542100924937
Age: 35.0 Year(s) Sex: Male

Reference: Dr.VINAY KUMAR CHOPRA
Sample Collected At:
Dr Vinay Kumar Chopra
Kos Diagnostic Lab, 6349/i, Nicholson Road, Ambala Cantt, Hry 133001.
Processing Location:- Metropolis Healthcare Ltd, Unit No. 409- 416, 4th Floor, Commercial Building-1, Kohinoor Mall, Mumbai-70

VID: 542133200043341
Registered On:
07/03/2022 04:01 PM
Collected On:
09/03/2022 1:38PM
Reported On:
24/03/2022 08:48 PM

Karyotyping by G-Banding Peripheral Blood

INTERNAL LAB NO.	1960-22-K
CULTURE METHOD	72-hour stimulated cultures were put up with appropriate mitotic agents.
BANDING METHOD(S)	GTG-Banding with Trypsin & Giemsa with 450-550 bands pattern (ISCN-2016).
CLINICAL INDICATION(S)	H/O 3 Abortions in wife
NO.OF CELLS COUNTED	20
NO.OF CELLS ANALYZED	20
NO.OF CELLS KARYOTYPED	10
KARYOTYPE RESULT	**46,XY,21ps+**
INTERPRETATION	Normal Karyotype, however there is slight increase in the length of satellite observed on chromosomes 21.
COMMENTS	Increase in the length of satellite on acrocentric chromosomes is reported to a normal polymorphic variation in general population.
RECOMMENDATION(S)	Kindly correlate clinically. For any queries please feel free to contact at Department of Medical Genetics on 022-43560767.

Karyotype analysis detects all numerical and gross structural anomalies within the limits of the assay procedure. Microdeletions,microduplications, single gene disorders and low grade mosaicismhowever would not be ruled out. FISH/CMA/Molecular studies are recommended for the same.Clinical correlation is advised.

Note: Importance of Clinical Indicatons
1. Clinical details/history findings including age and sex of patient are important for accurate selection of culture method
2. Clinical details to be provided in the form of ultrasound information / phenotypic features / family history, etc.
3. For investigation of mosaicism which requires screening of large number of metaphase cells.
4. To target analysis for a particular chromosome in the form of high resolution banding.
5. For recommendation of further investigation - eg: FISH, Molecular Genetics Studies. Genetics abnormalities like single gene / polygenic disorders, microdeletions, subtle rearrangements, low grade mosaicism may not be detected by G-Band Karyotyping and may require more sensitive testing like FISH and Chromosomal Microarray.

Mr. Dhananjay Pathak
M. Sc.
Analyst, Medical Genetics,
Metropolis - Mumbai

NOTE:
This Sample was outsourced

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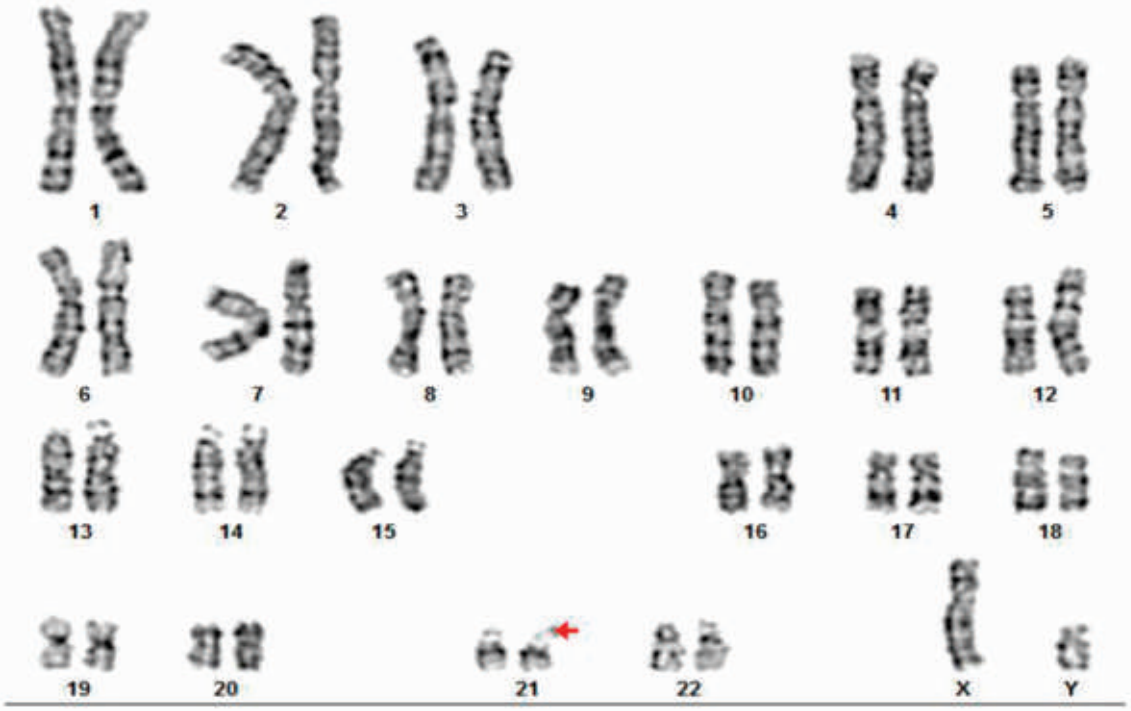
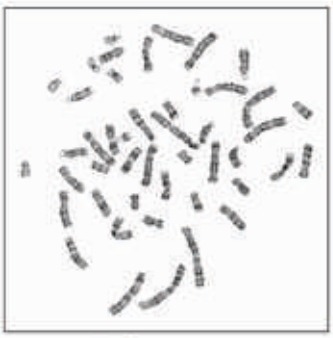
REPORT OF KARYOTYPE ANALYSIS





KARYOTYPE RESULT : 46,XY,21ps+

BAND RESOLUTION : 450

Note:Results are interpreted on basis of all metaphases analyzed.This Karyotype is only a representation

-- End of Report --

Tests marked with NABL symbol are accredited by NABL vide Certificate no MC-2139

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Metropolis - Mumbai

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