Baby of. NEELAM
AMBALA, CHEMBUR
Tel No : 8607344999
PIN No: 133001
PID NO: P542100506309
Age: 1.0 Day(s) Sex: Male

Reference: Dr.VINAY 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: 54213320015796
Registered On:
05/05/2021 09:36 PM
Collected On:
07/05/2021 6:10AM
Reported On:
19/05/2021 04:37 PM

Karyotyping by G-Banding Peripheral Blood

INTERNAL LAB NO.	3281-21-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)	? Down Syndrome
NO.OF CELLS COUNTED	20
NO.OF CELLS ANALYZED	20
NO.OF CELLS KARYOTYPED	10
KARYOTYPE RESULT	46,XY
INTERPRETATION	Normal Karyotype.
COMMENTS	No numerical or structural abnormalities detected at the band resolution achieved.
RECOMMENDATION(S)	Kindly correlate clinically. Chromosomal microarray testing (Test code - C0246) is recommended for detection of micro deletions and Duplications, in cases (showing normal karyotype) with autism spectrum disorders, Dysmorpic features, developmental delay/intellectual impairment, and/or multiple congenital anomalies. Kindly provide referring doctor's contact number for discussion of the case. 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.

Dr. Jaya Vyas
PhD Applied Biology
Sr Consultant, Medical Genetics

Kundanbala Desai
Consultant Analyst - Medical Genetics
Metropolis - Mumbai

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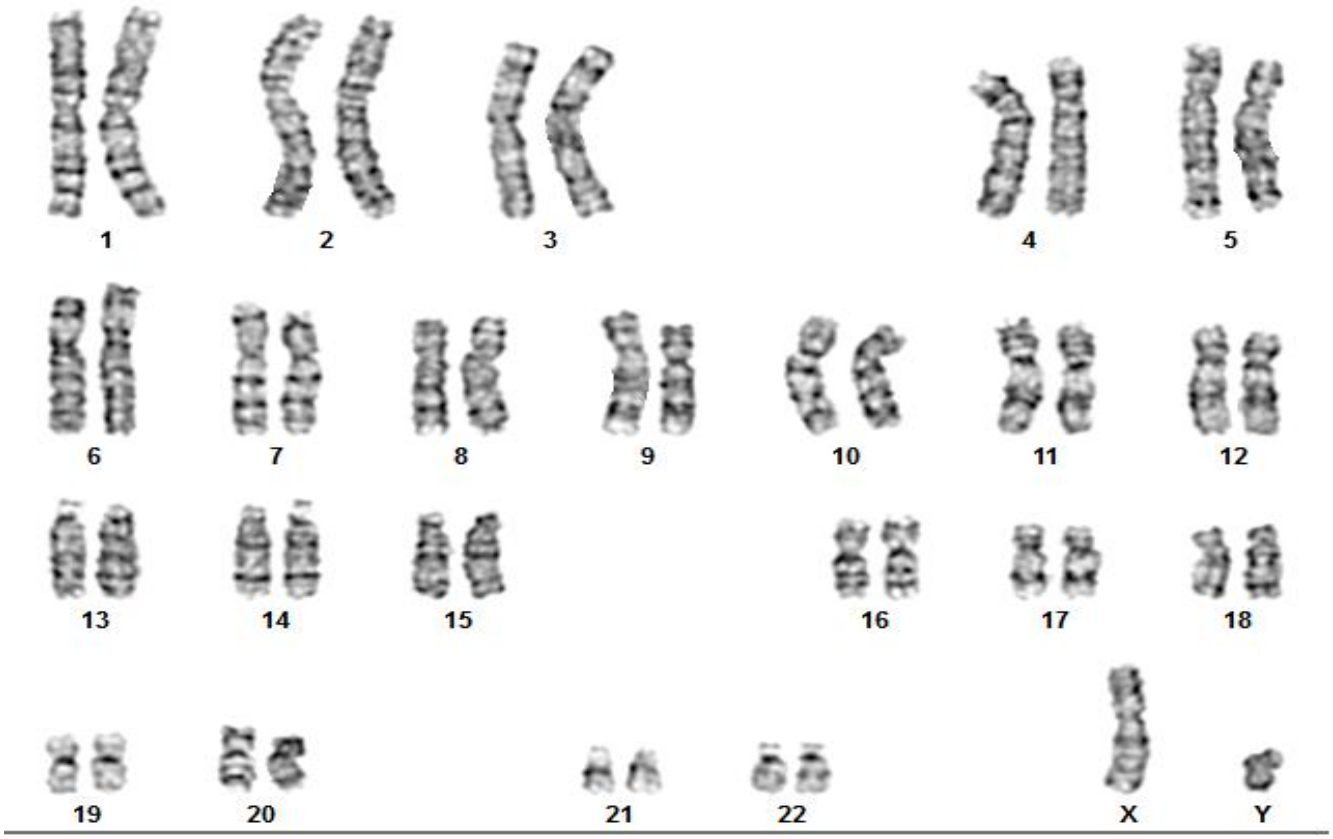
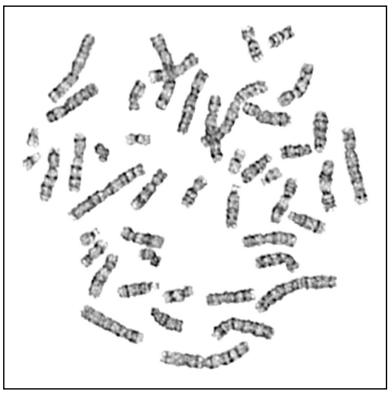
REPORT OF KARYOTYPE ANALYSIS





KARYOTYPE RESULT : 46,XY

BAND RESOLUTION : 550

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

-- End of Report --

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