

RAJINDER KUMAR

PID NO: P54180165874
Age: 31 Year(s) Sex: Male

Reference:

Sample Collected At:
METROPOLIS HEALTHCARE LTD
DELHI
F-2, Block -B1 (Ground Floor) Mohan
Co-oprative Industrial Estate Mathura
Road, New Delhi -110044
Zone: OUT-01(OS)110044

VID: 54183161541

Registered On:

Collected On:
14/09/2018 5:25PM

Reported On:
02/10/2018 04:28 PM

Karyotyping by G-Banding Peripheral Blood

INTERNAL LAB NO.	6839-18-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).
CLINICAL INDICATION(S)	Not available.
NO.OF CELLS COUNTED	20
NO.OF CELLS ANALYZED	20
NO.OF CELLS KARYOTYPED	10
KARYOTYPE RESULT	46,XY
INTERPRETATION	Apparently Normal Karyotype.
COMMENTS	No numerical or structural abnormalities detected at the band resolution achieved.
RECOMMENDATION(S)	Kindly correlate clinically. Detailed medical history is required to opine on and necessity of other genetic test recommendation if any. For any queries please feel free to contact at Department of Medical Genetics on 022-50560767.

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

Note: Importance of Clinical Indications

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. Shailesh Pande
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Consultant-HOD, Dept. of Medical Genetics,
Metropolis-Mumbai



Ms. Gauri Pradhan
Operation Head-Dept. of Medical Genetics,
Metropolis- Mumbai

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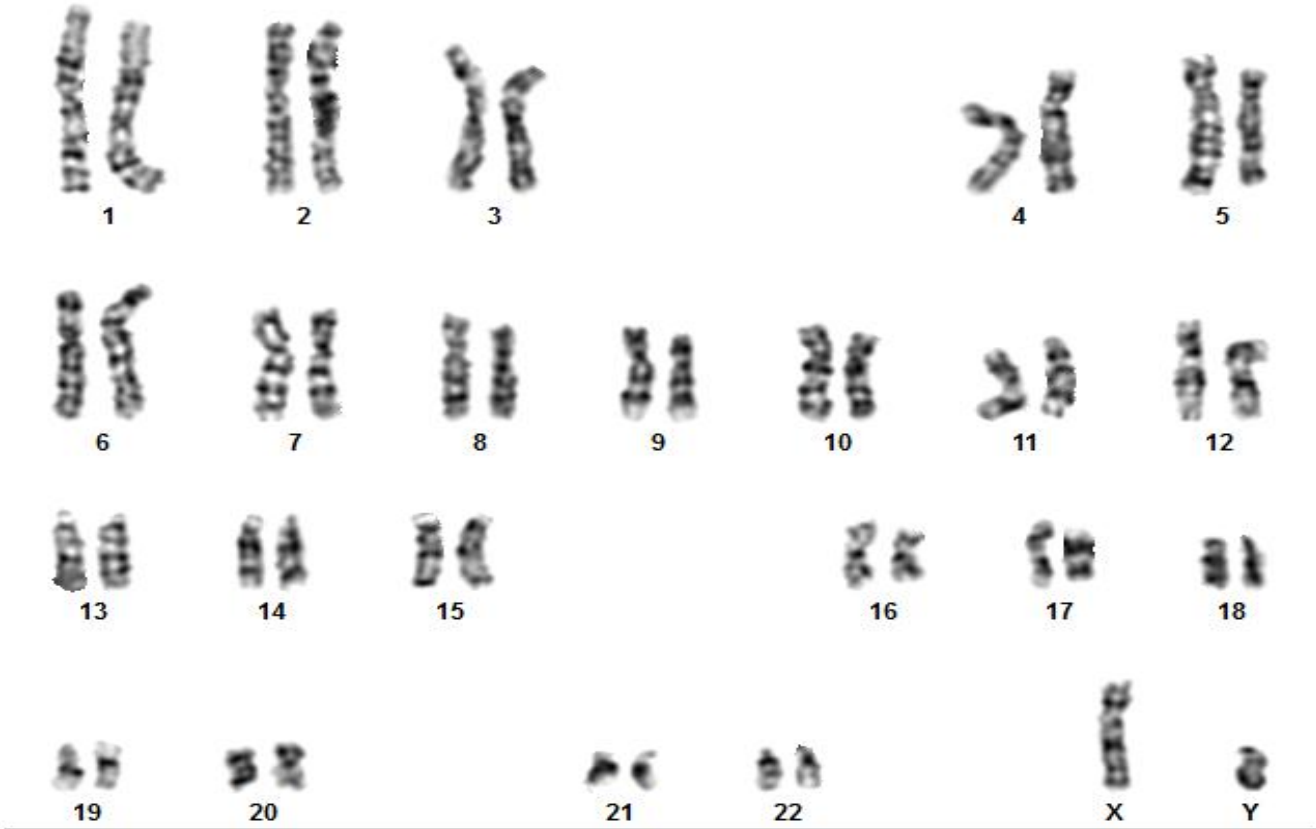
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REPORT OF KARYOTYPE ANALYSIS



KARYOTYPE RESULT : 46,XY

BAND RESOLUTION : 450



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

-- End of Report --

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