



PIYUSH 54171537787

PID NO: P11171421883

Age: 29 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: 11177360473

Registered On:
01/03/2018 04:41 PM
Collected On:
01/03/2018
Reported On:
19/03/2018 08:17 PM

Karyotyping by G-Banding Peripheral Blood

INTERNAL LAB NO.	1508-18-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).
NO.OF CELLS COUNTED	20
NO.OF CELLS ANALYZED	20
NO.OF CELLS KARYOTYPED	05
KARYOTYPE RESULT	47,XXY
INTERPRETATION	Analysis revealed 44 Autosomes and presence of extra sex chromosome.
COMMENTS	Report consistent with Klinefelter Syndrome.
RECOMMENDATION(S)	Kindly correlate clinically. In view of history provided and present findings, genetic Counselling is recommended. The patient can see us for the same with prior appointment. For any queries please feel free to contact at Department of Medical Genetics on 022-30840767.

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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REPORT OF KARYOTYPE ANALYSIS



KARYOTYPE RESULT : 47,XXY

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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