



VINOD KUMAR 54173162335

PID NO: P11170682094

Age: 38 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: 11177326281**

Registered On:  
09/09/2017 04:42 PM  
Collected On:  
09/09/2017  
Reported On:  
23/09/2017 06:58 PM

**Karyotyping by G-Banding Peripheral Blood**

<b>INTERNAL LAB NO.</b>	5555-17-K
<b>CULTURE METHOD</b>	72-hour stimulated cultures were put up with appropriate mitotic agents.
<b>BANDING METHOD(S)</b>	GTG-Banding with Trypsin & Giemsa with 450-550 bands pattern (ISCN).
<b>CLINICAL INDICATION(S)</b>	Infertility.
<b>NO.OF CELLS COUNTED</b>	20
<b>NO.OF CELLS ANALYZED</b>	20
<b>NO.OF CELLS KARYOTYPED</b>	05
<b>KARYOTYPE RESULT</b>	46,XY
<b>INTERPRETATION</b>	Apparently Normal Karyotype.
<b>COMMENTS</b>	No numerical or structural abnormalities detected at the band resolution achieved.
<b>RECOMMENDATION(S)</b>	Kindly correlate clinically. For any queries please feel free to contact at genetics department-02230840767.

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. Anurita Pais**  
CYTOGENETICIST, Metropolis-Mumbai

**Ms. Gauri Pradhan**  
SECTION HEAD-GENETICS, Metropolis-Mumbai



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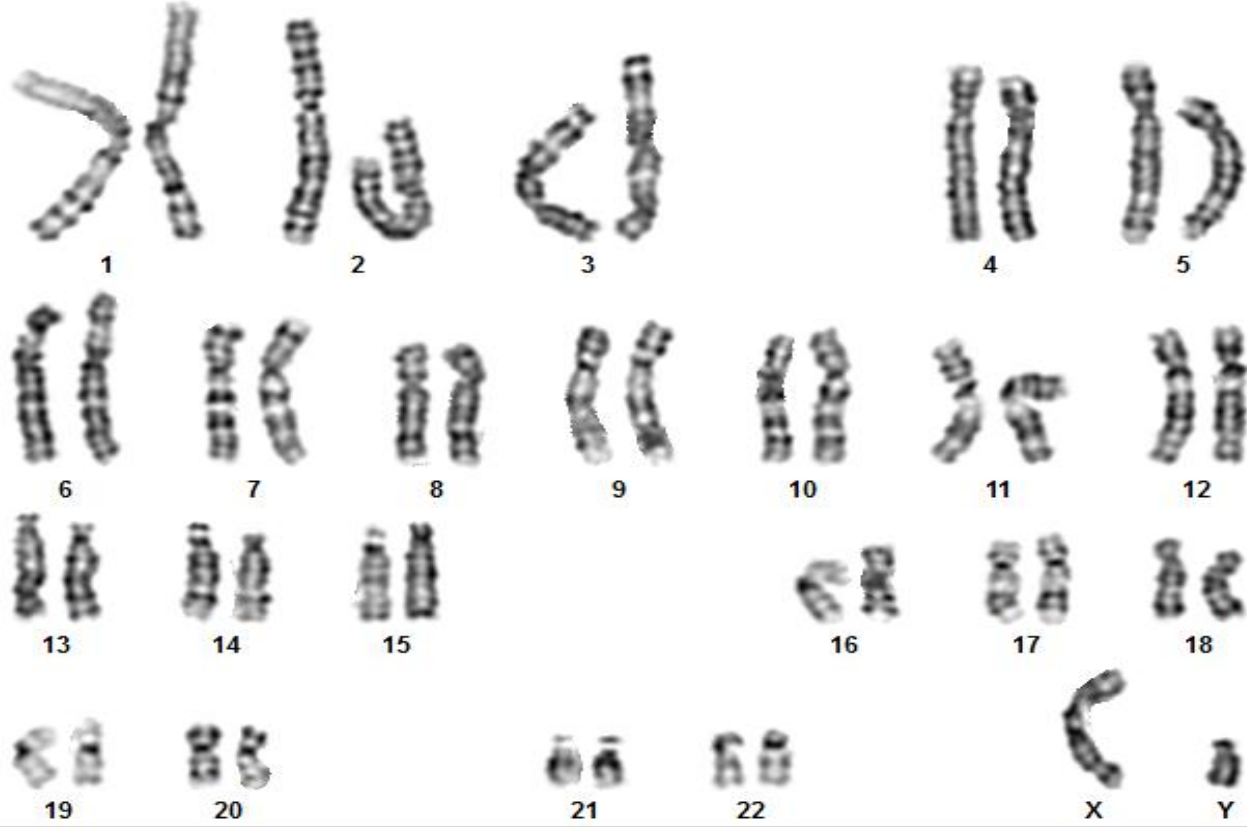
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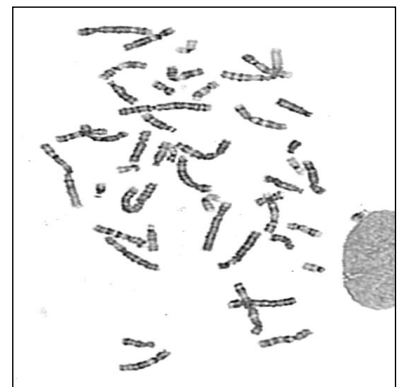
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REPORT OF KARYOTYPE ANALYSIS



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 --

Dr. Anurita Pais  
CYTOGENETICIST, Metropolis-Mumbai

Ms. Gauri Pradhan  
SECTION HEAD-GENETICS, Metropolis-  
Mumbai