



ISO 9001 : 2008 CERTIFIED LAB

# KOS Diagnostic Lab

(A Unit of KOS Healthcare)

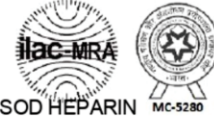


**Dr. Vinay Chopra**  
MD (Pathology & Microbiology)  
Chairman & Consultant Pathologist

**Dr. Yugam Chopra**  
MD (Pathology)  
CEO & Consultant Pathologist

Patient NAME : **Baby DEEPIKA**  
DOB/Age/Gender : 8 Y/Female  
Patient ID / UHID : 10883261/OF10883261  
Referred BY : Self  
Sample Collected : Dec 26, 2024, 08:24 PM.

Report STATUS : Final Report  
Barcode NO : CG010835  
Sample Type : WHOLE BLOOD SOD HEPARIN  
Report Date : Jan 11, 2025, 09:36 AM.



### Karyotyping (KT)- Postnatal

**CLINICAL INDICATION** Short stature

**SUMMARY OF RESULTS** **ABNORMAL FEMALE KARYOTYPE CONSISTENT WITH TURNER SYNDROME.**

**NOMENCLATURE** **45,X**  
*(As per International System for Human Cytogenomic Nomenclature, ISCN,2020)*

#### CLINICAL INTERPRETATION

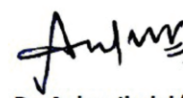
An abnormal chromosome complement with monosomy X chromosome was observed in all the metaphases analyzed. This chromosomal complement confirms variant of Turner syndrome. Early recognition of Turner Syndrome and timely investigations nevertheless should help in improving the quality of life of these individuals by potentially improving the adult height in those who respond to GH therapy and in initiating sex hormone replacement. Within the limits of standard cytogenetic methodologies, the chromosomes of the patient showed Abnormal G-banding patterns with evidence of aneuploidy or without apparent structural abnormality or rearrangement. The following possibilities, although rare, cannot be ruled out: a) low level mosaicism, b) very subtle rearrangements, c) genetic disorders that cannot be detected beyond the resolution of by standard cytogenetic methods. Endocrine and/or genetic consultation is strongly recommended.

**RECOMMENDATION** Genetic Counseling for the family is recommended.

**SAMPLE DESCRIPTION** The sample was of optimal quality for conventional cytogenetics culture techniques. The 72 hours of stimulated peripheral blood sample was initiated in karyotyping medium yielded analyzable metaphases for karyotype.

\*\*\* End Of Report \*\*\*



  
**Dr. Ankur Jindal (Ph.D)**  
Consultant Cytogenomics

**NOTE:**

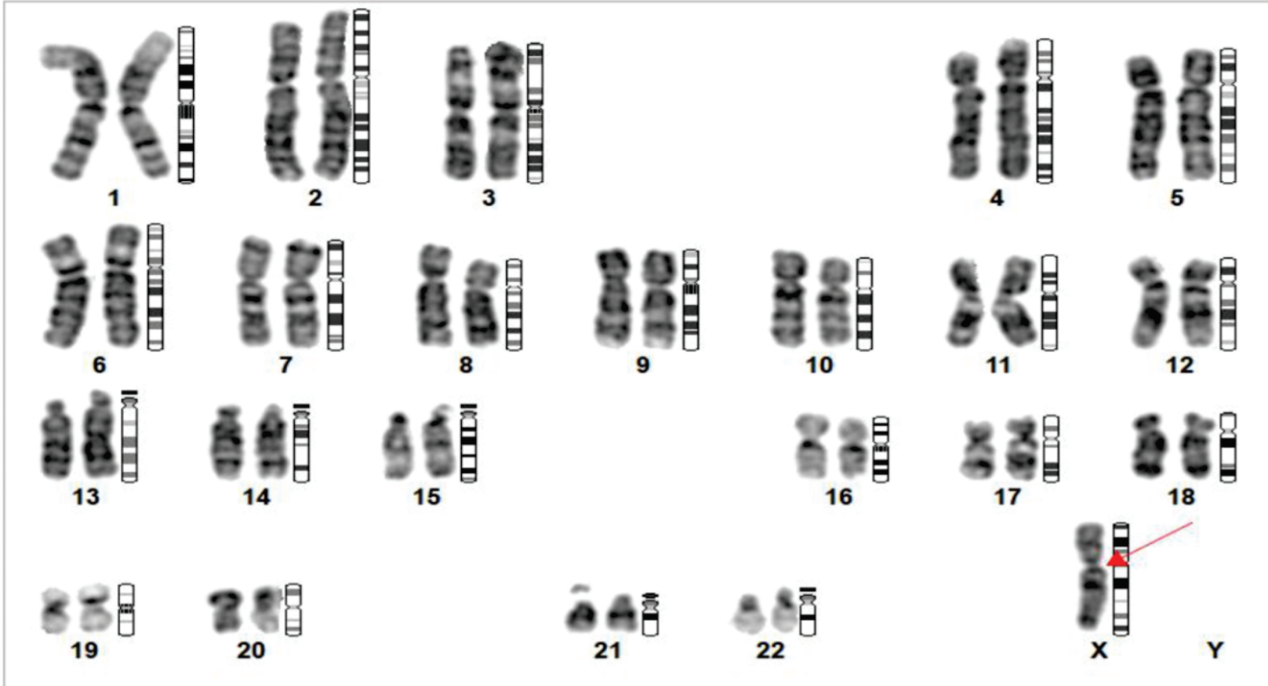
***This Sample was outsourced***



**Dr. Vinay Chopra**  
MD (Pathology & Microbiology)  
Chairman & Consultant Pathologist

**Dr. Yugam Chopra**  
MD (Pathology)  
CEO & Consultant Pathologist

**KARYOTYPE IMAGE:**

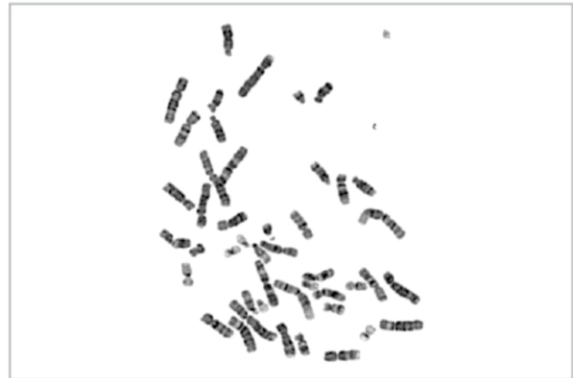


DEEPIKA

Karyotype: 45,X

Barcode No: CG010835

<b>METHOD:</b>	G-BANDING
<b>Metaphase Counted:</b>	10
<b>Metaphase Analyzed:</b>	10
<b>Metaphase Karyotyped:</b>	10
<b>Banding Resolution:</b>	450
<b>Metaphase Quality:</b>	Good



**Ms. Ritu ( Scientist)**  
Cytogenetics

Reviewed and Signed out on: 09-Jan-2025