

## **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

: Self Referred BY

Sample Collected: Dec 26, 2024, 08:24 PM.

Report STATUS: Final Report

: CG010835 Barcode NO

Report Date

Sample Type

: Jan 11, 2025, 09:36 AM.

: WHOLE BLOOD SOD HEPARIN

Karyotyping (KT)- Postnatal

**CLINICAL INDICATION** Short stature

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

SYNDROME.

45,X **NOMENCLATURE** 

(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 \*\*\*



NOTE: This Sample was outsourced

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



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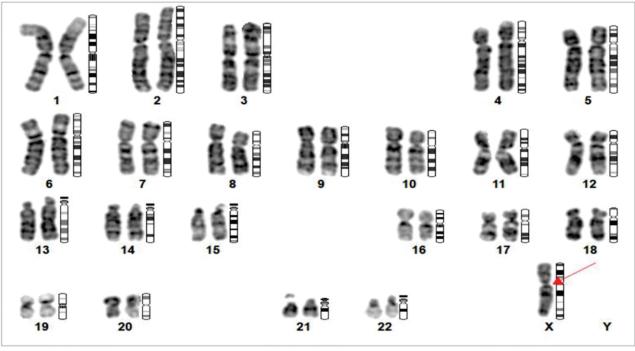
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MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

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

## **KARYOTYPE IMAGE:**

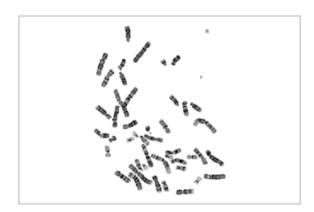


DEEPIKA Karyotype: 45,X Barcode No: CG010835

METHOD: G-BANDING

Metaphase Counted: 10
Metaphase Analyzed: 10
Metaphase Karyotyped: 10
Banding Resolution: 450
Metaphase Quality: Good

Ms. Ritu ( Scientist)
Cytogenetics



Reviewed and Signed out on: 09-Jan-2025