

(4) Mrs. Deepthi Verma

Age - 32 y/f

Double Marker

DOB — 22/10/1991

LMP — 18/4/2024

Height — 5'6"

Weight — 63.3 Kg

VISION DIAGNOSTIC

First Trimester Screening Report
ED/4D COLOR SONOGRAPHY DIGITAL X-RAY

Dr. Dilip Soni

MBBS, DMRD
FIMF & Scholar MD Certification in Fetal Imaging
Consultant Radiologist

MRS DEEPTI SAHU MRS DEEPTI SAHU

Date of birth : 21 October 1991, Examination date: 10 July 2024

Address: RISALI
DURG
INDIAN

Referring doctor: MANASI GULATI

Maternal / Pregnancy Characteristics:

Racial origin: South Asian (Indian, Pakistani, Bangladeshi).

Maternal weight: 63.0 kg; Height: 158.0 cm.

Smoking in this pregnancy: no; Diabetes Mellitus: no; Chronic hypertension: no; Systemic lupus erythematosus: no; Antiphospholipid syndrome: no; Patient's mother had preeclampsia: no.

Method of conception: Spontaneous;

Last period: 18 April 2024

EDD by dates: 23 January 2025

First Trimester Ultrasound:

US machine: VOLUSON E6. Probe: C2-9. Visualisation: good.

Gestational age: 12 weeks + 4 days from CRL

EDD by scan: 18 January 2025

Findings	Alive fetus
Fetal heart activity	visualised
Fetal heart rate	167 bpm
Crown-rump length (CRL)	61.0 mm
Nuchal translucency (NT)	1.4 mm
Biparietal diameter (BPD)	19.0 mm
Placenta	Anterior mid grade 0
Amniotic fluid	normal
Cord	3 vessels

Chromosomal markers:

Nasal bone: abnormal (absent / hypoplastic); Tricuspid Doppler: normal.

Fetal anatomy:

Skull/brain: appears normal; Spine: appears normal; Heart: appears normal; Abdominal wall: appears normal; Stomach: visible; Bladder / Kidneys: visible; Hands: both visible; Feet: both visible; NORMAL.

Uterine artery PI: 2.25
Endocervical length: 39.0 mm

Risks / Counselling:

Patient counselled and consent given.

Operator: Dr Dilip Soni, FMF Id: 208995

Condition	Background risk	Adjusted risk
Trisomy 21	1: 429	1: 154
Trisomy 18	1: 1034	1: 234
Trisomy 13	1: 3248	1: 1340

The adjusted risk for aneuploidies is based on maternal age (32 years). The adjusted risk is the background risk, calculated on the basis of the background risk and ultrasound findings.

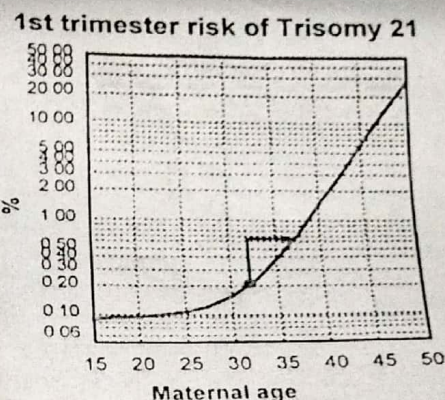
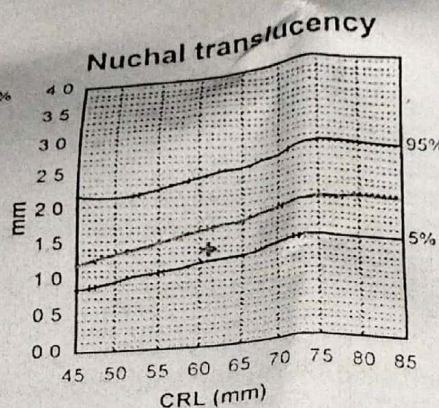
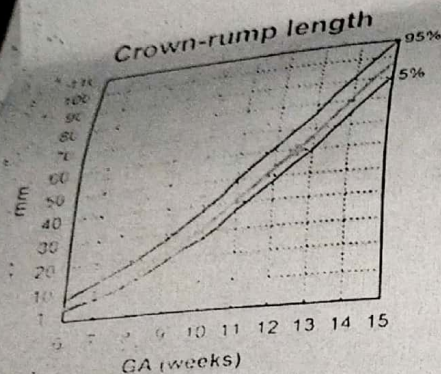
VISION DIAGNOSTIC

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The estimated risk is calculated by the FMF-2012 software (version 2.81) and is based on findings from extensive research coordinated by the Fetal Medicine Foundation (UK Registered charity 1037116). The risk is only valid if the ultrasound scan was performed by a sonographer who has been accredited by the Fetal Medicine Foundation and has submitted results for regular audit (see www.fetalmedicine.com).



-G. A. assigned as per CRL 12.4 weeks (CRL 61.0 mm)
-Estimated foetal weight is 64 +/- 9 gms.

-Discrepancy of 5 days between LMP & CRL GA, hence assigned EDD is same as LMP EDD is (25/01/2025)

Aneuploidy Markers :

- Ductus venosus flow is normal. no 'a' wave reversal is seen
- Nasal bone absent.
- Nuchal thickness is (1.4 mm) corresponding to 10 centile
- Tricuspid regurgitation absent.

-Cervical length is 3.9 cm. No obvious funneling seen.

-Anatomy survey is negative for any congenital defect (subjected to variation)

-Isolated ultrasound calculation is at moderate risk (refer 1st page) of trisomy 21, 18, 13 (FMF software calculation)

-Screen positive for PIH (High PI).

-Suspicious single umbilical artery.

Advice **PAPP-A & B.H.C.G & follow up at 18-20 weeks.**

I Dr. Dilip Soni declared that while conducting ultrasound examination on this patient, I have neither detected sex of fetus nor disclose sex of her fetus to any body in any manner.

Dr. Dilip Soni (D.M.R.D.)
Consultant Radiologist

Review after 3-4 weeks.