



VISION DIAGNOSTIC

First Trimester Screening Report

3D/4D COLOR SONOGRAPHY DIGITAL X-RAY

Dr. Dilip Soni

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

MRS SONALI SONI MRS SONALI SONI

Date of birth : 20 July 2000, Examination date: 01 December 2023

Address: DURG

Referring doctor: DR MANASI GULATI

Maternal / Pregnancy Characteristics:

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

Maternal weight: 90.0 kg; Height: 170.0 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: 31 August 2023

EDD by dates: 06 June 2024

First Trimester Ultrasound:

US machine: VOLUSON E6. Probe: C2-9. Visualisation: restricted by fetal movements.

Gestational age: 12 weeks + 1 days from CRL

EDD by scan: 13 June 2024

Findings	Alive fetus
Fetal heart activity	visualised
Fetal heart rate	166 bpm
Crown-rump length (CRL)	56.0 mm
Nuchal translucency (NT)	1.1 mm
Biparietal diameter (BPD)	18.0 mm
Placenta	Posterior mid grade 0
Amniotic fluid	normal
Cord	3 vessels

Chromosomal markers:

Nasal bone: present; 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: 2.00

Endocervical length: 46.0 mm

Risks / Counselling:

Patient counselled and consent given.

Operator: Dr Dilip Soni, FMF Id: 208995

Condition	Background risk	Adjusted risk
Trisomy 21	1:1008	<1: 20000
Trisomy 18	1:2367	1: 18556
Trisomy 13	1:7450	<1: 20000

The background risk for aneuploidies is based on maternal age (23 years). The adjusted risk is the risk after taking into account the results of the first trimester screening (nuchal translucency thickness, nasal bone, tricuspid Doppler, fetal heart rate).

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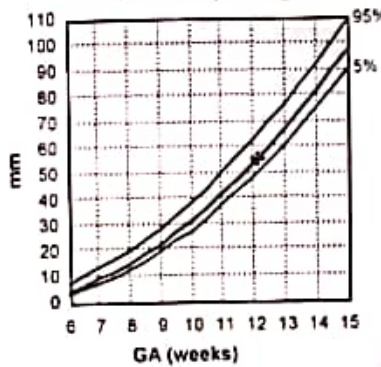
Dr. Dilip Soni

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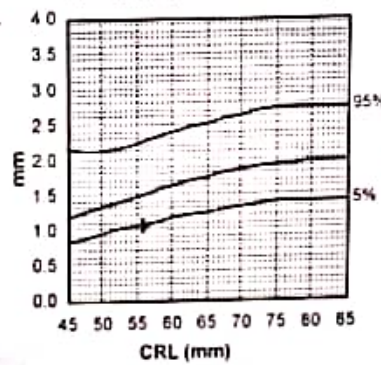
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The estimated risk is calculated by the FMF-2012 software (version 2.81) and is based on findings from extensive research coordinated by the Fetal Medicine Foundation (UK Registered charity 1037116). The risk is only valid if the ultrasound scan was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

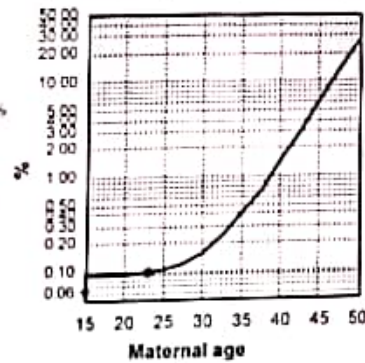
Crown-rump length



Nuchal translucency



1st trimester risk of Trisomy 21



Comments

-G. A. assigned as per CRL 12.1 weeks (CRL 56 mm)

-Estimated foetal weight is 52 +/-08 gms.

-Discrepancy of 5 days between LMP & CRL GA, hence assigned EDD is same as LMP EDD is (06/06/2024)

-Aneuploidy Markers :

-Ductus venosus flow is normal. no 'a' wave reversal is seen

-Nasal bone present (2.4 mm) corresponding to 7.1 centile

-Nuchal thickness is (1.1 mm) corresponding to 5 centile

-Tricuspid regurgitation absent.

-Cervical length is 4.6 cm. No obvious funneling seen.

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

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

-Screen negative for PIH.

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 of 1st 2nd



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