

20/1/25

① Mrs. Shikha Khatri

Age - 33 y/f

Quadruple Marker

DOB - 7/1/1991

CMP - 10/9/2024

Height - 4'9"

Weight - 58.0 Kg

विधि डायग्नोस्टिक
एंड रिसर्च सेंटर

Referred by DR. VIDHI TIWARI MODI MBBS, MD

Patient ID 1:
E80580-25-01-20-11
Date 20-01-2025

Second Trimester Ultrasound

Patient: SHIKHA KHATRI

DOB:07-01-1991 (34 years)

Exam date: 20-01-2025

Indication Follow-up evaluation for fetal anomaly

Maternal Physical Exam Height 142 cm, 4 ft 8 in. Weight 58 kg, 128 lb. BMI 28.67 kg/m². Blood pressure 112/66 mmHg

Fetal Growth Overview

Exam date	GA	BPD (mm)	HC (mm)	AC (mm)	FL (mm)	HL (mm)	EFW (g)
20-01-2025	18w 1d	43.1 85%	149.2 35%	118.5 28%	26.7 44%	25.9 58%	218 35%

Method

Transabdominal ultrasound examination, Voluson E10. View: Good view

Pregnancy

Singleton pregnancy. Number of fetuses: 1

Dating

	Date	Details	Gest. age	EDD
LMP	10-09-2024		18 w + 6 d	17-06-2025
U/S	20-01-2025	based upon AC, BPD, EFW, Femur, HC, Humerus, Radius, Tibia, Ulna	18 w + 1 d	22-06-2025
Agreed based on ultrasound (AC, BPD, EFW, Femur, HC, dating Humerus, Radius, Tibia, Ulna)			18 w + 1 d	22-06-2025

General

Cardiac activity present. FHR 141 bpm

Evaluation

Movements visualised

Presentation Cephalic with spine left side.

Placenta Posterior, Grade- I

Umbilical cord 3 vessel cord

Amniotic fluid Liquor is Adequate in amount

Fetal Biometry

BPD	43.1 mm	85%	AC	118.5 mm	28%
HC	149.2 mm	35%	Femur	26.7 mm	44%
Cerebel-lum tr	18.6 mm	79%	Humerus	25.9 mm	58%
Nuchal fold	2.5 mm		HC / AC	1.26	92%

Fetal Weight Calculation:

EFW 218 g 35% EFW by Hadlock (BPD-AC-FL)

EFW (lb,oz) 0 lb 8 oz

Head / Face / Neck Biometry:

CM	2.5 mm	3%
Nasal bone	present	

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5D अल्ट्रासाउंड सेंटर

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Free Ambula

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Extremities / Bony Structures Blometry:

Radius	22.3 mm		48%	Ulna	22.6 mm		37%
FL / BPD	0.62		17%	Tibia	23.5 mm		64%
FL / HC	0.18		67%	Fibula	22.9 mm		
FL / AC	0.23		91%				

Fetal Anatomy Brain:

Midline falx seen.
Both lateral ventricles appear normal.
The cerebellum and cisterna magna are normal.
No intracranial calcification is identified.

Neck: Cord around neck not present.

Face:

Foetal face seen in the coronal and profile views.
Both orbits, nose and mouth appear normal.
No evidence of any facial cleft.
Nasal bone seen normal..

Thorax:

Normal cardiac situs .
Four chamber view normal.
Both lungs seen.
No evidence of pleural or pericardial effusion.
No evidence of SOL in the thorax..
Abdominal wall:
Abdominal situs is normal.
Stomach bubble seen.
Normal bowel pattern appropriate for the gestation seen.
No evidence of ascites.

Abdominal wall intact.

Both kidneys and bladder appear normal.
bladder bubble is seen.

Spine:

Entire spine visualized in longitudinal and tranverse axis.
Vertebrae and spinal canal appear normal.
No evidence of neural tube defect..

Arms:

Both hands and feet appeared grossly normal. Legs:

All foetal long bones visualized and appear normal for the period of gestation..

The following structures appear normal:

Cranium.

Heart.

Echogenic focus: no

Fetal Echo-
cardiography

**Trisomy 21
Screening**

Age: 34 yrs

Echogenic focus: no

Ventriculomegaly: no

Nuchal fold: normal

Background risk at time of screening 1 in 393

Adjusted risk at time of screening 1 in 1,061

The adjusted risk for Down syndrome based on Genetic Ultrasound (Intracardiac echogenic focus, ventriculomegaly, nuchal fold, echogenic bowel, mild hydronephrosis, short femur, ARSA, nasal bone)

Echogenic bowel: no

Mild hydronephrosis: no

Short femur: no

Short humerus: no

ARSA: no

Nasal bone: present

**Maternal
Doppler**

Right uterine artery:

PI 1.13 39%

Left uterine artery:

PI 1.11 36%

Mean PI 1.12 38%

Impression: Normal uteroplacental resistance

**Maternal
Structures**

Cervix Cervical length 34.9 mm

Impression

Single Live Intrauterine fetus.

Presentation Cephalic with spine left side.

Average Ultrasound Age Is 18 weeks 1 days

Expected Date Of Delivery By Ultrasound 22-06-2025

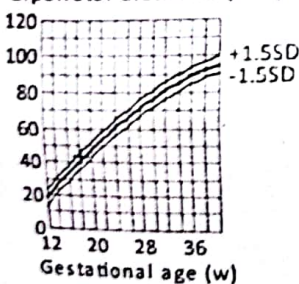
Estimated Foetal Weight Is 218 gms

Liquor Is Adequate In Amount

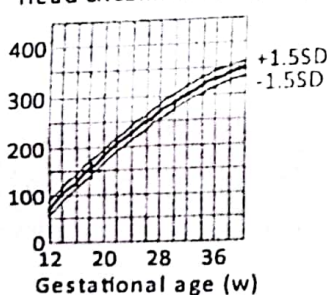
There is no obvious abnormality detected in visualized parts of the fetus in this examination.

Normal uteroplacental resistance

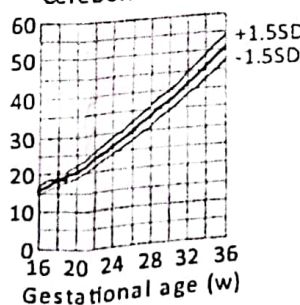
Biparietal diameter (mm)



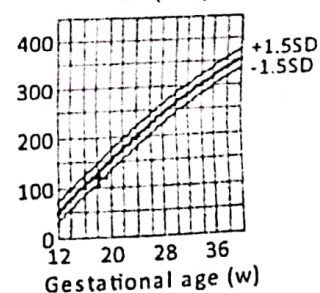
Head circumference (mm)



Cerebellum tr (mm)



AC (mm)



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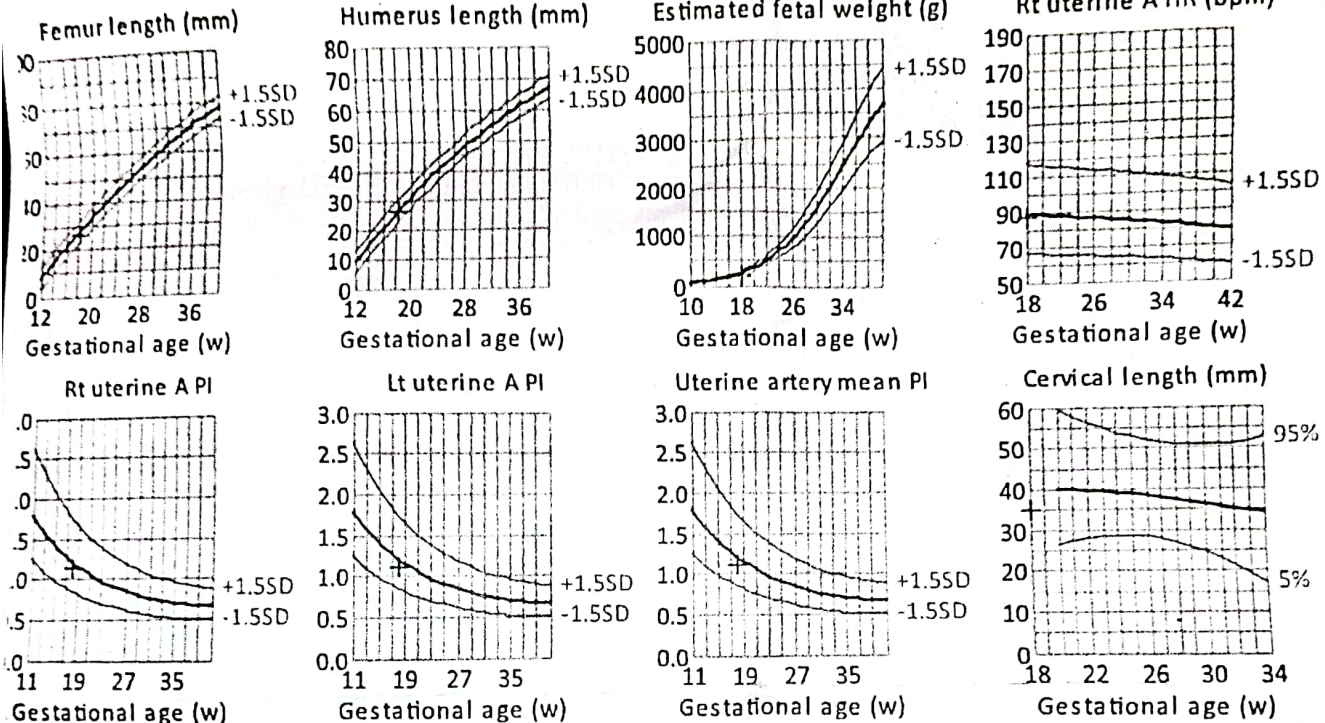
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**DR. AMIT MODI [MBBS/DMRD]**

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typist - Khileshwari

These Reports are for Assisting Doctors, Physicians in Their Treatment and not for Medico Legal Purpose and Should be used Clinically. No Duplicate Reports shall be Issued.

These Reports Are For Assisting Doctors/Physicians in Their Treatment And Not For Medico - Legal Purposes And Should Be used Clinically. To Rule Out Congenital Anomalies Of Foetal Extremities A Level II Ultrasound Scan By 4D Ultrasound Machine is recommended. Not All The Congenital Anomalies Can Be Detected Sonographically.

Quotes For Obstetrics Ultrasound :-

- 1A Normal Ultrasound Is Not A Guarantee Of A Normal Child, Many Conditions Are Missed On Ultrasound.
- On Average One Third To One Half Of Foetal Structural Birth Defects Are Not Detected With Ultrasound.
- Due Dates By Ultrasound Are Not That Exact As Measurement Are Based On Flat Image Of 3D Foetus. Accuracy: 1st Trimester - 1 Week, 2nd Trimester - 2 Weeks, 3rd Trimester - 3 Weeks.
- Sonographic Estimates Are No More Accurate Than Clinical Estimates Of Foetal Weight.
- USG Has Certain Limitations, Some Fetal Anomalies Can Go Unnoticed Depending Upon The Nature Of Anomaly, Gestational Age, Fetal Position, Limitations Of USG Study.
- Advised To Be Reviewed / Repeat Scan SOS, If And When Required As USG Findings Along With The Course Of The Disease.