



KALPATARU DIAGNOSTIC CENTRE

Dr. Apeksha Rathod
MBBS (MUHS Gold Medal)
MD Radiology (MUHS Silver Medal), DNB Radiology
TMF UK Certified for First Trimester Screening
Foetal Medicine Expert
(TMF Id:250746)

**Sonography, Colour Doppler
& Digital X-Ray**

Name of Pt : Mrs. Chitra Santosh Mandad

Ref BY : Dr Manisha Rajgure madam

Dated : June 13, 2025

SONOGRAPHY OF GRAVID UTERUS

LMP:16/03/2025

GA(LMP): 12 wks 5 days

EDD by LMP: 21/12/2025

Single viable intrauterine fetus is seen with changing presentation at the time of examination.

Fetal movements and cardiac pulsation are well appreciated. FHR: 166 bpm.

Placenta is posterior. Grade I maturity. Low lying reaching 1.0 cm from os.

Liquor is adequate for gestational age.

Cervical length: 3.56 cm

FOETAL BIOMETRY:-

CRL: 7.53 cm corresponding to 13 wks 4 days

BPD: 2.26 cm corresponding to 13 wks 5 days

HC: 8.80 cm corresponding to 13 wks 6 days

AC: 6.64 cm corresponding to 13 wks 2 days

FML: 1.22 cm corresponding to 13 wks 4 days

These parameters correspond with sonic maturity of around 13 wks 4 day.

EFW is 77 gms.

A. NT : well demonstrated. Thickness - 0.13 cm.

B. Other markers : 1. Nasal bones seen.

2. Limb buds normal.

C. Doppler : Ductus venosus flow normal.

D. No e/o tricuspid regurgitation.

PTO



Dr. Apeksha Rathod
MD DNB Radiology



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Medicine Expert

250746

**Sonography, Colour Doppler
& Digital X-Ray**

Fetal survey:

Head: cranial vault – normal. Midline Falx seen.

Choroid plexuses seen filling the ventricular cavity (butterfly sign)

Intracranial translucency – normal.

Facial profile : PMT seen.

Spine : intact overlying skin.

Chest: Symmetrical lung fields noted . No e/o effusion or masses.

Heart :cardiac activity regular. Four symmetrical chambers seen.

On color flow : two ventricular inflow s and two outflows tracts seen.

Abdomen : normal cord insertion. Stomach in left upper quadrant , bladder seen.

Extremities : four limbs each with three segments seen.

Uterine arteries :

Right : PI: 1.15

Left : PI: 0.96

Mean PI : 1.05— (6th percentile) normal for gestational age.

Both uterine arteries show normal color flow and spectral waveform

No early diastolic notch seen.

OPINION : Single live intrauterine gestation with average sonic maturity of around

13 wks 4 day. EDD by USG: 15/12/2025

GA assigned as per biometry.

CRL measures 7.53 cm .NT measures 0.13 cm (16th percentile for this CRL) .

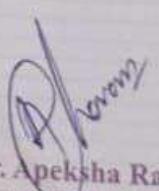
Suggested follow up anomaly scan at 20 – 22 weeks

Thanks for referral

All measurements including estimated fetal weight, are subject to statistical variations.
Not all anomalies can be detected on sonography.

First trimester screening and preeclampsia report attached -----PTO




Dr. Apeksha Rathod
MD DNB Radiology

First Trimester Screening Report

Mandad Chitra Santosh

Date of birth : 15 May 2000, Examination date: 13 June 2025

Address: At.Ladsawangi,csn.
AURANGABAD 431001
INDIA

Mobile phone: 9657769420

Referring doctor: DR DR. RAJGURE MADAM GURUKRUPA NURSING HOME
Address: PLOT NO 24, KALPATARU
HOUSING SOCIETY , PUNDALIK
NAGAR ROAD AURANGABAD
AURANGABAD

Maternal / Pregnancy Characteristics:

Racial origin: South Asian (Indian, Pakistani, Bangladeshi).
Parity: 0; Spontaneous deliveries between 16-30 weeks: 0.
Maternal weight: 43.0 kg; Height: 150.0 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: 16 March 2025 EDD by dates: 21 December 2025

First Trimester Ultrasound:

US machine: VINNO G 65. Visualisation: good.

Gestational age: 13 weeks + 4 days from CRL

EDD by scan: 15 December 2025

Findings	Alive fetus
Fetal heart activity	visualised
Fetal heart rate	166 bpm
Crown-rump length (CRL)	75.3 mm
Nuchal translucency (NT)	1.4 mm
Biparietal diameter (BPD)	22.6 mm
Ductus Venosus PI	1.030
Placenta	posterior low
Amniotic fluid	normal

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.

Uterine artery PI:	1.06	equivalent to 0.670 MoM
Mean Arterial Pressure:	74.2 mmHg	equivalent to 0.940 MoM
Endocervical length:	35.6 mm	

Risks / Counselling:

Patient counselled and consent given.

Operator: apeksha chavan, FMF Id: 250746

Condition	Background risk	Adjusted risk
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KALPATARU DIAGNOSTIC CENTRE

D: CHITRA SANTOSH MANDAD

Patient: DR RAJGURE MADAM

Exam Date: 13-06-2025

Operator: DR APEKSHA CHAVAN

