



# KALPATARU DIAGNOSTIC CENTRE

**Dr. Apeksha Rathod**

MBBS (MJHS Gold Medal)  
MD Radiology (MJHS Silver Medal), DNB Radiology  
FIMF UK Certified for First Trimester Screening  
Foetal Medicine Expert  
(FIMF 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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ology (MUHS Silver Medal), DNB Radiology

Certified for First Trimester Screening

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— ( 6<sup>th</sup> 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 ( 16<sup>th</sup> percentile for this CRL) .

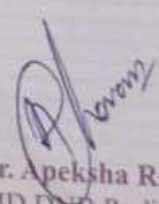
Suggested follow up anomaly scan at 20 – 22 weeks

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

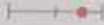


EDD by dates: 21 December 2025

### 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.

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

### Risks / Counselling:

Patient counselled and consent given.

Operator: apeksha chavan, FMF Id: 250746

Condition

Background risk

Adjusted risk

# KALPATARU DIAGNOSTIC CENTRE

D: CHITRA SANTOSH MANDAD

Exam Date: 13-06-2025

Ref: DR RAJGURE MADAM

Operator: DR APEKSHA CHAVAN

