

**Diagnostic**  
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Dr. Arun Kedia's 5D World

**अनुपम डायग्नोस्टिक**  
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डॉ. अरुण केडिया

M.B.B.S., D.M.R.D.

Reg. No.: CGMC 3037/2010

Consultant Radiologist

Ex. Registrar : इन्दिरा अपोलो हॉस्पिटल, दिल्ली

Ex. Consultant : एम.एम.आई. हॉस्पिटल, रायपुर

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Consultant Pathologist

Sp. Trained From : एंटी केरोसिनल हॉस्पिटल मुंबई

कनेक्शन हेतु : 62327 21021

विम घंजीवन हेतु : 72250 20102, 93010 10729

आपका एकीकृत एवं तेज दृक्कान के सामने, सिटी हॉस्पिटल  
आगे, कोतरा रोड, सलीमुद्दी चौक, रायगढ़ (छ.ग.) - 496001



इस जिले का एकमात्र आधुनिकतम 1.5 Tesla MRI, 96 Slice CT Scan and 5D सोनोग्राफी सेंटर

NAME : MRS. SUNITA PRADHAN

AGE/SEX: 36 Y/FEMALE

REF. BY: DR. MALTI KUMARI

DATE: 07/12/2024

**IMPRESSION:**

- Single live, intrauterine fetus of 20 wks.1 days.
- EDD by USG :25/04/2025
- Fetal biometry s/o normal fetal growth as per gestation.
- No Evidence of Loop of Cord around Neck.
- Liquor - Adequate.
- No obvious anomaly seen at the time of scan .
- Low risk for trisomy as mentioned above
- Uterine artery Doppler S/o normal placental blood flow.
- Adv-Fetal echo at 24-28 wks.
- Triple/quadruple marker/NIPT/Amniocentesis should be offered whenever clinically indicated.
- Follow up routine scan at 28 - 30 weeks
- and Growth OBS scan at 34 - 36 weeks

however all congenital anomalies can not be detected sonographically & detection of abnormality may be dependent on the position of fetus at the time of scan | .  
Fetal echo is not included in this study.

Counting of fingers and toes are usually not possible due to crowding of limbs.]

**Declaration** :- Myself, DR ARUN KEDIA, declare that while conducting ultrasonography /image scanning on SUNITA PRADHAN, I have neither detected nor disclosed the sex of her foetus to any body in any manner.

Dr. Arun Kedia  
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CGMC 3037/2010  
CONSULTANT RADILOGIST

DR ARUN KEDIA  
CONSULTANT RADILOGIST

COMPLAIN & SUGGESTION  
TIMING: EVERYDAY MORNING  
M.

## EXTREMITIES –

all long bones visualised and appears normal .

## 2<sup>nd</sup> TRIMESTER RISK ASSESSMENT OF TRISOMY 21 .

| Sr. No. | 2 <sup>nd</sup> Trimester Aneuploidy Markers |                  |
|---------|----------------------------------------------|------------------|
| 1       | Intracardiac Echogenic Focus                 | Absent           |
| 2       | Ventriculomegaly                             | Absent           |
| 3       | Increased Nuchal Fold                        | Absent           |
| 4       | Echogenic Bowel                              | Absent           |
| 5       | Mild Hydronephrosis                          | Absent           |
| 6       | Short Humerus                                | Absent           |
| 7       | Short Femur                                  | Absent           |
| 8       | Aberrant Right Subclavian Artery             | Absent           |
| 9       | Absent or Hypoplastic Nasal Bone             | Normal size      |
|         | <b>Apriori Risk (From Maternal Age):</b>     | <b>1 in</b>      |
|         | <b>LR Ratio:</b>                             | <b>0.13</b>      |
|         | <b>Trisomy21 Risk:</b>                       | <b>1 in 1506</b> |



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ग्रिम पंजीयन हेतु : 72250 20102, 93010 10729

ब्याल एग्जीक्यूटिव एवं टेल दुकान के सामने, सिटी हॉस्पिटल  
आगे, कोतवा रोड, सलीगढ़ी चौक, रायगढ़ (छ.ग.) - 496001



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|                            |                      |
|----------------------------|----------------------|
| NAME : MRS. SUNITA PRADHAN | AGE/SEX: 36 Y/FEMALE |
| BY: DR. MALTI KUMARI       | DATE: 07/12/2024     |

#### NECK -

No abnormality is seen.

#### THYROID -

Appears normal.

#### FACE -

Both orbits, nose and mouth appears normal.

#### THORAX -

Thorax & lungs appears normal.

#### HEART -

Situs solitus.

Cardiac axis & position appears normal

Four chambers view appears normal

(Anomaly scan is just screening of heart for detail assessment please prefer fetal echo)

#### ABDOMEN -

Stomach & GIT appears normal.

Kidney and Bladder appears Normal

No evidence of fetal ascites.

No abdominal wall defect seen.

3 vessel cord seen

Central cord insertion.



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के आगे, कोतरा रोड, सतीगुडी चौक, रायगढ़ (छ.ग.) - 496001



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|                            |                      |
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| REF. BY: DR. MALTI KUMARI  | DATE: 07/12/2024     |

### OBSTETRIC SONOGRAPHY (ADVANCE ANOMALY) (5D)

(This ultrasound is done by most advanced 5D ultrasound of the entire chhattisgarh's voluson E 8 with AI, Ultra HD LIVE 5D studio, radiant flow & shear wave elastography features.)

|                |                |            |                       |    |    |    |    |    |
|----------------|----------------|------------|-----------------------|----|----|----|----|----|
| LMP:23-07-2024 | ▼GA(LMP):19w4d | ▲AUA:20w1d | EDD by LMP:29-04-2025 |    |    |    |    |    |
| 0              | 5              | 10         | 15                    | 20 | 25 | 30 | 35 | 40 |

| Dating                          | LMP             | GA    |      | EDD        |
|---------------------------------|-----------------|-------|------|------------|
|                                 |                 | Weeks | Days |            |
| By LMP                          | LMP: 23/07/2024 | 19    | 4    | 29/04/2025 |
| By USG                          |                 | 20    | 1    | 25/04/2025 |
| AGREED DATING IS (BASED ON LMP) |                 |       |      |            |

### OBSERVATIONS:

There is single live, normal intrauterine gestation.

Foetal Movements : (++) Visualised normal

Foetal Cardiac Pulsation's: (++) Visualised normal

Attitude : Flexion

### FETAL PARAMETERS:

| Fetal growth parameters | mm    | Weeks | Days | Percentile      |
|-------------------------|-------|-------|------|-----------------|
| Biparietal Diameter     | 47.4  | 20    | 2    | 80% + + + + +   |
| Head circumference      | 177.9 | 20    | 2    | 74.2% + + + + + |
| Abdominal Circumference | 145.1 | 19    | 6    | 53.6% + + + + + |
| Humerus Length          | 32.1  | 20    | 5    | 88.8% + + + + + |
| Radial Length           | 27.8  | 20    | 3    | 64.8% + + + + + |
| Ulnar Length            | 29.2  | 20    | 6    | 77.1% + + + + + |
| Femoral Length          | 33.2  | 20    | 3    | 72.1% + + + + + |



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|                 |                           |    |   |                 |
|-----------------|---------------------------|----|---|-----------------|
| Tibial Length   | 30.7                      | 21 | 2 | 95% + — + — +   |
| Fibula Length   | 30                        | 20 | 5 | 73.3% + — + — + |
| Fetal Weight    | 333 Grams + 49 Grams.     |    |   | 74.7% + — + — + |
| Heart Rate      | 169 Beats Per Minute.     |    |   |                 |
| * Presentation  | Variable                  |    |   |                 |
| * AFI           | Adequate. A.F.I.- 11.2 cm |    |   |                 |
| Cervical length | 3.6 cm                    |    |   |                 |
| FL/AC = 22.88%  | HC/AC = 1.23              |    |   |                 |
| FL/BPD = 70.04% | BPD/OFD = 75.6%           |    |   |                 |

**Placenta** : It is in upper segment located in posterior Position  
& shows grade 0 Maturity with distance of 3.6 cm  
from internal os. Normal retro placental hypoechoic  
zone and no evidence of retro placental hematoma.

## ARGETED SCAN REVEALS -

|                             | mm      | Weeks | Days | Percentile      |
|-----------------------------|---------|-------|------|-----------------|
| nsverse Cerebellar Distance | 20.2 mm | 19    | 3    | 56.2% + — + — + |
| ern magna                   | 6.3 mm  |       |      |                 |
| eral Ventricles             | 4.3 mm  |       |      |                 |
| r Orbital Distance          | 12.5 mm |       |      |                 |
| al bone                     | 5.8 mm  |       |      |                 |

## HEAD -

mal skull shape. sfaix in mid line  
lateral ventricles normal in size & measures 4.3mm at the level of atria  
fossa appears normal  
identifiable intracranial lesion seen.