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DIAGNOSTIC**

PT. NAME :	Mrs. BHARTI LODHI	AGE/SEX :	25 Yrs/ F
REF. BY :	DR. CHHAVI JAIN (MS)	DATE :	09/06/2025

**INVESTIGATION: OBSTETRIC ULTRASOUND (LEVEL II)**

LMP = 10/12/2024    GA (LMP) = 25 weeks 6 days    EDD (LMP) = 16/09/2025

**Findings:-**

- Single live intrauterine fetus with cephalic presentation at the time of scan.
- Fetal spine - variable (anterior and posterior).
- Fetal cardiac activity regular (FHR = 138 b/min). Fetal movements present.
- Placenta: Posterior, grade I maturity.
- Liquor: AFI-9.9 cm. largest vertical pocket measures 3.3 cm.
- Cervical length is normal (~ 3.6 cm). Internal os closed.
- No loop of cord around the neck in current scan.

**Fetal Parameters:**

Parameters	Measurements	GESTATIONAL AGE
BPD	4.6 cm	20 weeks 1 days
HC	16.8 cm	19 weeks 3 days
AC	13.9 cm	19 weeks 3 days
FL	3.3 cm	20 weeks 4 days

➤ Avg. GA By USG: 19 weeks 6 days.  
➤ Estimated Fetal Wt.: 321 gm ± 47 gm. (<3%).

**IMPRESSION:** Single live intrauterine fetus of 19 weeks 6 days with Cephalic Presentation at the time of scan.

- EDD by USG: 28/10/2025.
- Discrepancy between GA by USG and GA by LMP possibly due to wrong LMP date /delayed conception.
- Right uterine artery (RI 0.52, PI 0.84), Left uterine artery (RI 0.53, PI 0.85).
- Ductus venosus shows normal waveform (PI 0.90) without reversal of 'a' wave.

SCAN	USG DATE	EDD
FIRST TRIMESTER	Not available	Not available
SECOND TRIMESTER (CURRENT SCAN)	09/06/2025	28/10/2025

**Declaration of the doctor/person conducting Ultrasound/Image scanning.**

I, Dr. SANJEEV K SHUKLA (Name of the doctor conducting ultrasound) declare that while conducting ultrasound/image scanning on Mrs. BHARTI LODHI (Name of pregnant woman), I have neither detected nor disclosed the sex of the fetus in any manner

Note: Level II scan does not include fetal echocardiography.

Dr. ARVINDRA SINGH (M.D.)

Consultant Radiologist

Reg no. Mp-17148

It is a professional opinion, not valid for medico legal purpose.

Dr. SANJEEV K SHUKLA (M.D.)

Consultant Radiologist

Reg no. Mp-14228

• This is only a professional opinion & not the diagnosis, Findings should be co-related clinically    •Not for Medico legal Purposes.

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**(TARGET SCAN, LEVEL II)**

**2ND TRIMESTER USG MARKERS OF TRISOMY**

Ventricular diameter	5.3 mm.
Choroid plexus cyst	Not seen
Cisterna magna	3.3 mm, normal
NFT	2.7 mm, normal
Interaorbital diameter	14.3 mm, normal
Outerorbital diameter	32.0 mm, normal
Nasal bone length	7.1 mm
Prenasal thickness/ nasal bone length	Less than 0.75, normal
Facial profile	Normal
Echogenic cardiac foci	Seen in left ventricle
Pyelectasis	Not seen
Hyperechoic bowel	Not seen
Femur length or humerus length	Normal for GA
Clenched fist and overlapping digits	Not seen
Three vessel cord	Seen

**(Organ specific evaluation)**

**Skull & Brain**

- Skull bones appear ossified and normal in shape.
- Cavum septum is visualized.
- Ventricle diameter~ 5.3 mm. No evidence of hydrocephalus.
- Cerebellar diameter~ 19.2 mm.
- Cisterna magna measures~3.3 mm normal.
- Nuchal fold thickness measures~ 2.7 mm normal.

**Face:**

- Nasal bone length measures~7.1 mm.
- Inter orbital diameter~ 14.3 mm normal.
- Outerorbital diameter~ 32.0 mm normal.
- Chin & lips view- appears normal.



**Spine:**

- Whole spine is visualized and normal.
- Normal 3 ossification is noted.
- Conus distance measures 2.6 cm is normal.

**CARDIAC SCREENING:**

- An echogenic cardiac focus is seen in left ventricle.
- Cardiac position- levocardia, cardiac apex directed towards left side.
- Four chamber view and outflow tracts (RVOT, LVOT) appear normal.
- Outflow tracts shows normal anatomical relationship and antegrade normal flow.
- AV ratio is normal. No obvious chamber enlargement noted. No obvious ventricular septal defect is seen.

**Skeletal:**

- All 4 limbs visualized. No gross limb abnormality noted.

**Chest:**

- Chest circumference within normal limits. Both the lungs are homogeneous echogenic.
- Both the hemidiaphragm appear normal in shape. No evidence of diaphragmatic hernia seen.
- No pleural effusion is noted.
- No abnormal vascular supply from thoracic/abdominal aorta is seen.

**Abdomen:**

- Stomach bubble is visualized and is normal in position.
- No abnormal defect is seen in anterior abdominal wall.
- No ascites noted. No evidence of omphalocele. No dilated echogenic bowel loops.

**Renal:**

- Bilateral kidneys are visualized and appear normal. Bilateral renal arteries are visualized. Right renal pelvis diameter~ 1.9 mm, left renal pelvis diameter~ 2.2 mm
- Urinary bladder is distended.

**IMPRESSION:**

- Single live intrauterine fetus with gestational age as described.
- An isolated echogenic focus in left ventricle without other cardiac abnormality-Soft marker for trisomy. However, isolated intracardiac echogenic focus has very low likelihood ratio. (Follow up USG is advised).
- No other significant fetal anomaly is seen at 19w6d gestation.

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