



PT. NAME :	Mrs. REENA LODHI	AGE/SEX :	27 Yrs/ F
REF. BY :	DR. RENU SONKAR	DATE :	29/12/2023

INVESTIGATION: OBSTETRIC ULTRASOUND (LEVEL II)

LMP = UNKNOWN.

Findings:-

- Single live intrauterine fetus with cephalic presentation at the time of scan.
- Fetal spine - variable (anterior and posterior).
- Fetal cardiac activity regular (FHR = 161 b/min). Fetal movements present.
- Placenta: Right lateral, (upper & mid segment) grade I maturity.
- Liquor: Less for the gestational age, AFI - 5.9 cm (Mild Oligohydramnios).
- Cervical length is normal (~ 3.4 cm). Internal os closed.
- No loop of cord around the neck in the present scan.

Fetal Parameters:

Parameters	Measurements	GESTATIONAL AGE
BPD	6.2 cm	25 weeks 3 days
HC	22.6 cm	24 weeks 5 days
AC	19.3 cm	24 weeks 0 days
FL	4.5 cm	25 weeks 0 days

➤ Avg. GA By USG: 24 weeks 2 days $\pm$ 1 week 5 days.

➤ Estimated Fetal Wt.: 707.57 gm $\pm$ 106.14 gm.

IMPRESSION: Single live intrauterine fetus of 24 weeks 2 days $\pm$ 1 week 5 days with Cephalic Presentation.

- EDD by USG: 17/04/2024.
- Liquor: Less for the gestational age, AFI - 5.9 cm (Mild Oligohydramnios).
- Mean Uterine artery PI is normal for gestational age. Right uterine artery (RI 0.40, PI 0.55), Left uterine artery (RI 0.52, PI 0.81).
- Ductus venosus shows normal waveform (PI 0.22) without reversal of 'a' wave.

SCAN	USG DATE	EDD
FIRST TRIMESTER	Not available	Not available
SECOND TRIMESTER (CURRENT SCAN)	29/12/2023	17/04/2024
THIRD TRIMESTER	-	-

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. REENA 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. (N)

Dr. SANJEEV K SHUKLA (M.D.)

Consultant Radiologist

Reg no. Mp-14228

Dr. Sanjeev Kumar Shukla

M.D. (Radio Diagnosis)

Reg. No. MP-14228

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



Spine:

- Whole spine is visualized and normal.
- Normal 3 ossification is noted.
- Conus distance measures 4.1 cm is normal.

CARDIAC SCREENING:

- Cardiac position- levocardia, cardiac apex directed towards left side.
- Four chamber view and outflow tracts (RVOT, LVOT) appear normal.
- 3 vessel view is seen.
- 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 ~ 1.4 mm, left renal pelvis diameter ~ 1.5 mm
- Urinary bladder is distended.

IMPRESSION:

- Single live intrauterine fetus with gestational age as described.
- Ossified nasal bone is not visualized s/o absent nasal bone. (Strong soft tissue marker for trisomy; however, isolated finding has low likelihood ratio for trisomy). Correlation with quadruple marker and further evaluation with cytogenetic is advised.
- No other significant fetal anomaly is seen

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[TARGET SCAN, LEVEL II]

2ND TRIMESTER USG MARKERS OF TRISOMY

Ventricular diameter	4.1 mm.
Choroid plexus cyst	Not seen
Cisterna magna	7.3 mm, normal
NFT	4.9 mm, normal
Interaorbital diameter	15.6 mm, normal
Outerorbital diameter	40.5 mm, normal
Nasal bone length	Not seen ossified.
Prenasal thickness/ nasal bone length	Less than 0.75, normal
Facial profile	Normal
Echogenic cardiac foci	Not seen
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~ 4.1 mm. No evidence of hydrocephalus.
- Cerebellar diameter~ 24.6 mm.
- Cisterna magna measures~7.3 mm normal.
- Nuchal fold thickness measures~ 4.9 mm normal.

Face:

- Nasal bone is not seen ossified.
- Inter orbital diameter~ 15.6 mm normal.
- Outer orbital diameter~ 40.5 mm normal.
- Chin & lips view- appears normal.