



PT. NAME :	MRS. KALPANA YADAV	AGE/SEX :	24 Yrs/ F
REF. BY :	DR. SONALI (AIIMS HOSPITAL)	DATE :	08.07.2023

INVESTIGATION: OBSTETRIC ULTRASOUND (LEVEL II)

LMP = 09/03/2023 GA (LMP) = 17 weeks 2 days EDD (LMP) = 14/12/2023

Findings:-

- Single live intrauterine fetus with cephalic presentation at the time of scan.
- Fetal cardiac activity regular (FHR = 142 b/min). Fetal movements present.
- Placenta: Anterior, grade II maturity.
- Liquor: Adequate. Largest vertical pocket measures 3.9 cm.
- Cervical length is normal (~ 4.1 cm). Internal os closed.
- No loop of cord around the neck in the present scan.

Fetal Parameters:

Parameters	Measurements	GESTATIONAL AGE
BPD	4.2 cm	18 weeks 6 days
HC	15.5 cm	18 weeks 3 days
AC	13.2 cm	18 weeks 5 days
FL	2.8 cm	18 weeks 4 days

- Avg. GA By USG: 18 weeks 4 days \pm 1 week 0 day.
- Estimated Fetal Wt.: 249.54 gm \pm 37.43 gm.

IMPRESSION: Single live intrauterine fetus of 18 weeks 4 days \pm 1 week 2 days with Cephalic Presentation.

- EDD by USG: 05/12/2023
- DISTAL FEMORAL EPIPHYSIS has not appeared.

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. Kalpana I have neither detected nor disclosed the sex of the fetus in any manner

Note: Level II scan does not include fetal echocardiography.

Consultant Radiologist
Dr. Arvind Singh (M.D.)
Reg No. MP-17148

Consultant Radiologist
Dr. Sanjeev K Shukla (M.D.)
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Consultant Radiologist
Dr. Shivya Parashar (M.D.)
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(TARGET SCAN, LEVEL II)

2ND TRIMESTER USG MARKERS

Ventricular diameter	6.2 mm.
Choroid plexus cyst	Not seen
Cisterna magna	5.1 mm, normal
NFT	3.9 mm, normal
Interaorbital diameter	11.2 mm, normal
Outerorbital diameter	31.6 mm, normal
Nasal bone length	6.1 mm
Prenasal thickness/ nasal bone length	Less than 0.76, normal
Facial profile	Normal
Echogenic cardiac foci	Not seen
Pyelectasis	Mild bilateral pyelectasis 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~ 6.2 mm. No evidence of hydrocephalus.
- Cerebellar diameter~ 18.8 mm.
- Cisterna magna measures~ 5.1 mm normal.
- Nuchal fold thickness measures~ 3.9 mm normal.

Face:

- Nasal bone length measures~ 6.1 mm.
- Inter orbital diameter~ 11.2 mm normal.
- Outerorbital diameter~ 31.6 mm normal.
- Chin & lips view- appears normal.

P.T.O.



Spine:

- Whole spine is visualized and normal.
- Normal 3 ossification is noted.

Heart:

- 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 mild dilatation of pelvi-calyceal system noted. AP renal pelvic diameter measures 3.5 mm on right side and 3.4 mm on left side.
- Urinary bladder is distended.

IMPRESSION:

- Single live intrauterine fetus with gestational age as described.
- Placental site uterine artery waveform shows normal PI, RI and S/D values.
- Ductus venosus show normal waveform without reversal of 'a' wave.
- Mild bilateral pyelectasis as described above. (Advise-follow up).

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