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IMAGING CENTRE

Dr. Kumar Rakesh

डॉ. कुमार राकेश

MBBS, MD (Radiodiagnosis)

PDCC In Abdominal Imaging, ILBS Hospital, New Delhi

Ex Senior Resident- AIIMS, New Delhi

Ex Senior Resident- Maulana Azad Medical College and GB PANT Hospital, New Delhi

USG PREGNANCY (ANOMALY SCAN/LEVEL II)

Patient's Name: Dolly Kumari

Age/ Sex: 22 Yrs/F

Bill no: 0572

Date: 30/06/2025

Referred by: Delhi Hospital, Narela

Clinical information: Fetal wellbeing.

LMP: 03/02/2025.

Technique: Transabdominal 2D and M-mode sonography of the gravid uterus was performed with static gray-scale and Doppler images obtained for the documentation of images.

Findings:

FETAL WELLBEING:

- Single, viable, intrauterine pregnancy seen.
- Presentation—Cephalic.
- Gross fetal and cardiac movements are present.

FETAL PARAMETERS:

PARAMETERS	MEASUREMENT	GESTATIONAL AGE
Biparietal Diameter (BPD)	50.4 mm	21 W 2 D
Head Circumference (HC)	189.1 mm	21 W 1 D
Abdominal Circumference (AC)	153.1 mm	20 W 4 D
Femur Length (FL)	35.8 mm	21 W 2 D
Humeral Length	35.8 mm	21 W 6 D
Radius	31.4 mm	22 W 5 D
Tibia	33.0 mm	21 W 4 D
Cerebellar Diameter	22.7 mm	
Binocular Distance (BOD)	33.4 mm	
Interocular Distance (IOD)	11.9 mm	
Lateral Ventricle	4.3 mm	
Cisterna Magna	5.8 mm	
Nuchal Fold Thickness	3.2 mm	

This report is perusal of doctor's only, not for medico-legal cases. This is only a professional opinion, it should be correlated clinically.

Pre-Natal sex determination (boy or girl before birth) is not done here. It is a punishable act.

यहाँ प्रसव पूर्व लिंग (पैदा होने से पहले लड़का या लड़की) की पहचान नहीं की जाती। यह दंडनीय अपराध है।

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FETAL ANATOMY:

Ex Senior Resident- Maulana Azad Medical College and GB Pant Hospital, New Delhi

HEAD:

- Head appears normal in shape, size and outline.
- Cranial vault appears intact with no obvious appreciable bony defect.
- Cerebral structures and lateral ventricles appear grossly normal.
- **A small choroid plexus cyst of size 2 mm noted in right lateral ventricle.** The choroid plexus of left lateral ventricle appears normal with no obvious appreciable cystic focal lesion.
- Cavum septum pellucidum is visualized.
- Bilateral thalami are normally seen.
- Posterior fossa structures (Cerebellar hemispheres, cerebellar vermis and Cisterna Magna) appears normal.

NECK:

- No cystic/ solid lesion appreciable around the fetal neck.

SPINE(Axial, Sagittal and Coronal planes):

- Normal alignment of vertebrae is seen with no obvious appreciable defect.
- Overlying skin appears normal.
- The sacral tapering is noted.

FACE(profile and coronal scans):

- Both orbits and eyeballs appear normal. Clear lens seen bilaterally.
- Nasal bone is visualized.
- Retro Nasal triangle (RNT)/ PMT appears intact.
- No obvious appreciable defect seen in lips.

THORAX:

- Shape of the chest appears normal.
- Both lungs were visualized with normal echogenicity. No obvious cystic lucencies seen.
- No free fluid is present.
- Diaphragm visualized in normal location.

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HEART: For further evaluation, Fetal echocardiography suggested.

- It is normal in position with normal chamber size.
- Cardiac axis and cardiac situs appears normal.
- Crux is visualized with normal offsetting of the AV Valves.
- 4- Chamber view, 3V and 3VT view also appears normal with normal directional flow in ductus arteriosus.
- Ductal arch and aortic arch appears normal.

ABDOMEN:

- Abdominal situs is normal.
- Anterior abdominal wall appears intact with normal umbilical cord insertion.
- The stomach bubble is seen below the diaphragm on the left side.
- Both kidneys are visualized. The renal pelvis and pelvi-calyceal system appears normal.
- Urinary bladder is well visualized with normal distension.
- Bowel loops appear normal.
- No ascites is seen.

UMBILICAL CORD:

- Cord appears normal (two arteries and one vein).
- Cord insertion is normal.

LIMBS:

- Four limbs are seen with three bones in each limb.
- Both hands are visualized along with hand opening.
- Both feet are visualized having normal angle with leg.

Composite Gestational age by USG:	21 Weeks	1 Day
Gestational age by LMP:	21 Weeks	0 Day
Expected date of delivery (EDD) by USG:	Date: 09/11/2025	
Expected date of delivery (EDD) By LMP:	Date: 10/11/2025	

Estimated fetal weight (EFW): 388 Grams (Hadlock).**Fetal heart motion: 147 Bpm with regular cardiac activity.**

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Position—Posterior upper uterine segment.

Relation to Internal OS—Clear. Appearance—Normal.

No evidence of placenta previa or retroplacental haemorrhage seen.

Amniotic fluid: Liquor amnii is adequate. Single largest pocket: 5.1 cm.

Cervix: appears normal with closed internal OS. It measures 43 mm in length.

IMPRESSION:

1. Single viable intrauterine pregnancy of gestational age: 21 Weeks 1 Day. Presentation: Cephalic.
2. Fetal Head: A small choroid plexus cyst of size 2 mm noted in right lateral ventricle. The choroid plexus of left lateral ventricle appears normal with no obvious appreciable cystic focal lesion.
Repeat USG after 4 weeks suggested.
*No other gross congenital anomaly detected.
3. Placenta: Posterior upper uterine segment.
4. Fetal heart motion: 147 Bpm.
5. Estimated fetal weight (EFW): 388 Grams (Hadlock).
6. EDD by USG: 09/11/2025.
7. EDD by LMP: 10/11/2025.

Note:

*All measurements are subject to standard statistical variations. All congenital anomalies are not detected on sonography. By 2D- ultrasound, it is very difficult to study the fingers, toes, palate, lips etc. Few developing anomalies may not be detected in second trimester. Some congenital abnormality may be masked/undetected due to relatively large size of foetus, unfavourable foetal position, inadequate liquor and in obese individuals. Report of sonography are interpretations of shadows and images, which depend on various factors, hence clinical and pathological correlation is necessary before coming to a final diagnosis. As per requirements of PC-PNDT Act, consent of the patient is taken and sex of the foetus is neither detected nor disclosed to anybody by me, in any manner.

With regards,

Dr. Kumar Rakesh
MD (Radiodiagnosis), PDCC
Consultant Radiologist

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