

Patient Name	: Mrs. ANURADHA DUBEY	Visit No	: CHA250045676
Age/Gender	: 27 Y 6 M 12 D/F	Registration ON	: 15/Mar/2025 10:53AM
Lab No	: <b>10142971</b>	Sample Collected ON	: 15/Mar/2025 10:53AM
Referred By	: Dr. RDSO LUCKNOW	Sample Received ON	:
Refer Lab/Hosp	: RDSO LUCKNOW	Report Generated ON	: 15/Mar/2025 11:24AM

## **ULTRASOUND STUDY OF OBSTETRICS**

- LMP is 10/07/2024 EGA by LMP is 35 weeks + 3 days.
- Single live intrauterine foetus is seen in longitudinal lie cephalic presentation.
- Foetal heart rate is 151/min.
- Foetal gestation age is
  - BPD 90 mm 36 weeks + 4 days
  - HC 324 mm 36 weeks + 5 days
  - AC 322 mm 36 weeks + 1 day
  - FL 69 mm 35 weeks + 4 days
- Placenta is posterior wall and shows grade-II maturity changes.
- *Cervical length is not visualized due to inadequate bladder (Empty urinary bladder).*
- Amniotic fluid is adequate. AFI = 12-13 cm.
- EFW is approximately 2851 gms ( $\pm$  416 gms).
- EDD is approximately 10/04/2025.
- No evidence of cord is seen around fetal neck at the time of examination.

## **COLOUR & PULSED DOPPLER STUDY**

- **Scanning of maternal & fetal vascular structures was done evaluating gray scale, colour Doppler, power Doppler high performance and high-resolution system.**
- **Uterine arteries:** on either side evaluated. They show normal caliber with complete colour fill. The flow in maternal bilateral uterine artery is normal. No evidence of notching is noted.
- **Umbilical artery:** Three-vessel umbilical cord is seen. They show normal caliber with complete colour fill-in.



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- **Fetal middle cerebral artery:** On either side are normal in course. They show normal caliber with complete colour fill-in.  
**The cerebro-placenta ratio is normal limits (>1). Fetal MCA cerebro-placental ratio is 2 which is within the normal limit (normal > 1). (CPR ratio = MCA PI / UA PI).**
- IVC show normal flow and spectral pattern.
- **Ductus venosus:** Shows normal caliber and adequate colour fill in. D, S and a wave are well visualized. Traces obtained show normal M shaped flow.

**Doppler parameters are as follows:-**

**COLOUR & PULSED DOPPLER STUDY**

	<b>MCA</b>	<b>UA</b>	<b>RT UT</b>	<b>LT UT</b>
<b>PS</b>	66cm/ sec	50cm/sec	106cm/sec	88 cm/sec
<b>ED</b>	4.8cm/sec	17cm/sec	50 cm/sec	50 cm/sec
<b>S/D</b>	13.6	2.9	2.1	1.7
<b>RI</b>	0.9	0.6	0.5	0.4
<b>PI</b>	2.2 (Normal < 2)	1.1 (Normal < 1)	0.7	0.6

**OPINION:**

- **SINGLE LIVE FOETUS OF 36 WEEKS + 02 DAYS (± 2.3 WEEKS) & SHOWS NORMAL FLOW CHARACTERISTICS AND WAVEFORMS IN ALL THE EVALUATED VESSELS AS DESCRIBED ABOVE.**
- **LIE – CEPHALIC PRESENTATION**
- **PLACENTA – POSTERIOR GRADE - II**
- **AMNIOTIC FLUID – NORMAL (AFI = 12-13cm).**

Note:-- I Dr. Nisma Waheed, declare that while conducting ultrasound study of Mrs, Anuradha Dubey I have neither detected nor disclosed the sex of her foetus to any body in any manner. All congenital anomalies can't be excluded on ultrasound.

**Clinical correlation is necessary.**

**[DR. NISMA WAHEED]  
[MD RADIODIAGNOSIS]**

Transcribed By: Gausiya

\*\*\* End Of Report \*\*\*



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