

Patient Name	: Ms.PREM PRABHA	Visit No	: CHA250033783
Age/Gender	: 33 Y/F	Registration ON	: 25/Feb/2025 10:27AM
Lab No	: 10131079	Sample Collected ON	: 25/Feb/2025 10:27AM
Referred By	: Dr.ANJANA JAIN	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 25/Feb/2025 01:55PM

ULTRASOUND STUDY OF OBSTETRICS

- LMP is 12/06/2024 EGA by LMP is 36 weeks + 6 days.
- Single live intrauterine foetus is seen in longitudinal lie cephalic presentation.
- Foetal heart rate is 154/min.
- Foetal gestation age is
 - BPD 90 mm 36 weeks + 3 days
 - HC 338 mm 38 weeks + 6 days
 - AC 327 mm 36 weeks + 5 days
 - FL 74 mm 38 weeks + 0 day
- Placenta is posterior wall with left lateral extension and shows grade II maturity changes.
- *Cervical length could not be visualized due to inadequate window (empty bladder).*
- Amniotic fluid is adequate. AFI around 10-11 cm.
- EFW is approximately 3151 gms (\pm 460 gms).
- EDD is approximately 14/03/2025.
- 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.
- **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 1.4 which is within the normal limit (normal > 1). (CPR ratio = MCA PI / UA PI).
- IVC show normal flow and spectral pattern.



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- **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

	<u>MCA</u>	<u>UA</u>	<u>RT UT</u>	<u>LT UT</u>
<u>PS</u>	62cm/ sec	43cm/sec	69 cm/sec	81 cm/sec
<u>ED</u>	16cm/sec	15cm/sec	29 cm/sec	28 cm/sec
<u>S/D</u>	3.9	2.7	2.3	2.8
<u>RI</u>	0.74	0.63	0.58	0.65
<u>PI</u>	1.44 (Normal < 2)	1.02 (Normal < 1)	0.97	1.32

OPINION:

- **SINGLE LIVE FOETUS OF 37 WEEKS + 4 DAYS (± 2.3 WEEKS) & SHOWS NORMAL FLOW CHARACTERISTICS AND WAVEFORMS IN ALL THE EVALUATED VESSELS AS DESCRIBED ABOVE.**
- **CEREBRO PLACENTA RATIO IS 1.4 (25th percentile).**
- **LIE – CEPHALIC PRESENTATION**
- **PLACENTA – POSTERIOR WALL WITH LEFT LATERAL EXTENSION GRADE – II.**
- **AMNIOTIC FLUID – NORMAL (AFI around 10-11 cm).**

ADV : FOLLOW UP WITH OBS DOPPLER.

Note:-- I Dr. Nisma Waheed, declare that while conducting ultrasound study of Mrs. Prem Prabha, 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.

CHARAK

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

(Transcribed by Rachna)

*** End Of Report ***

