

Patient Name	: Ms. VARSHA RANI	Visit No	: CHA250044617
Age/Gender	: 32 Y/F	Registration ON	: 12/Mar/2025 01:22PM
Lab No	: 10141912	Sample Collected ON	: 12/Mar/2025 01:22PM
Referred By	: Dr.PANDIT RAM DAYAL TRIVENI HO	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 12/Mar/2025 01:53PM

ULTRASOUND STUDY OF OBSTETRICS

- LMP is 29/07/2024 EGA by LMP is 32 weeks + 2 days.
- Single live intrauterine foetus is seen in longitudinal lie cephalic presentation.
- Foetal heart rate is 153/min.
- Foetal gestation age is
 - BPD 80 mm 32 weeks + 3 days
 - HC 302 mm 33 weeks + 4 days
 - AC 255 mm 29 weeks + 5 days
 - FL 62 mm 32 weeks + 4 days
- Placenta is posterior wall and shows grade II maturity changes.
- Cervical length is normal measures 3.6 cm.
- Amniotic fluid is adequate. AFI = 9-10 cm.
- EFW is approximately 1714 gms (\pm 250 gms).
- EDD is approximately 06/05/2025.
- 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 2.7 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

	MCA	UA	RT UT	LT UT
PS	53cm/ sec	43cm/sec	79 cm/sec	250 cm/sec
ED	9.1cm/sec	21cm/sec	45 cm/sec	144cm/sec
S/D	5.8	2.0	1.7	1.7
RI	0.83	0.51	0.43	0.42
PI	1.92 (Normal < 2)	0.73 (Normal < 1)	0.62	0.58

OPINION:

- **SINGLE LIVE FOETUS OF 32 WEEKS + 1 DAY (± 2.3 WEEKS) & SHOWS NORMAL FLOW CHARACTERISTICS AND WAVEFORMS IN ALL THE EVALUATED VESSELS AS DESCRIBED ABOVE.**
- **LIE – CEPHALIC PRESENTATION**
- **PLACENTA – POSTERIOR WALL GRADE - II**
- **AMNIOTIC FLUID – NORMAL (AFI = 9-10 cm).**

Note:-- I Dr. Nisma Waheed, declare that while conducting ultrasound study of Mrs. Varsha Rani, 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 ***

