

Patient Name	: Ms.SMITA	Visit No	: CHA250046145
Age/Gender	: 30 Y/F	Registration ON	: 16/Mar/2025 09:13AM
Lab No	: 10143440	Sample Collected ON	: 16/Mar/2025 09:13AM
Referred By	: Dr.SUNITA CHANDRA	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 16/Mar/2025 02:50PM

ULTRASOUND STUDY OF OBSTETRICS

- LMP is 03/07/2024 EGA by LMP is 36 weeks + 4 days.
- Single live intrauterine foetus is seen in longitudinal lie cephalic presentation.
- Foetal heart rate is 151/min.
- Foetal gestation age is
 - BPD 81 mm 32 weeks + 4 days
 - HC 306 mm 34 weeks + 1 day
 - AC 274 mm 31 weeks + 4 days
 - FL 64 mm 33 weeks + 2 days
- **AC is disproportionately small.**
- Placenta is anterior wall and shows grade-II maturity changes.
- *Cervical length is not visualized due to inadequate bladder (empty urinary bladder).*
- **Amniotic fluid is borderline reduced. AFI = 8 cm.**
- EFW is approximately 1965 gms (\pm 287 gms).
- EDD is approximately 06/05/2025.
- No evidence of cord is seen around fetal neck at the time of examination.
- **Fetal age parameters corresponding to 32 weeks and 5 days. There is discrepancy of 4 weeks from the date of L.M.P - ? IUGR.**

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 2.6 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

	MCA	UA	RT UT	LT UT
PS	50cm/ sec	42cm/sec	81 cm/sec	94 cm/sec
ED	11cm/sec	20cm/sec	52 cm/sec	53 cm/sec
S/D	4.3	2.0	1.5	1.7
RI	0.7	0.5	0.3	0.4
PI	1.6 (Normal < 2)	0.6 (Normal < 1)	0.4	0.6

OPINION:

- **SINGLE LIVE FOETUS OF 32 WEEKS + 05 DAYS (± 2.3 WEEKS) & SHOWS NORMAL FLOW CHARACTERISTICS AND WAVEFORMS IN ALL THE EVALUATED VESSELS AS DESCRIBED ABOVE.**
- **DISCREPANCY OF 4 WEEK FROM DATE OF LMP AND DISPROPORTIONATELY SMALL AC—? IUGR.**
- **LIE – CEPHALIC PRESENTATION**
- **PLACENTA – POSTERIOR GRADE – II.**
- **AMNIOTIC FLUID – BORDERLINE OLIGOHYDRAMNIOS (AFI = 8cm).**

ADV: FOLLOW UP WITH OBS DOPPLER

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



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*** End Of Report ***

