

292/05, Tulsidas Marg, Basement Chowk, Lucknow-226 003 Phone: 0522-406223, 9305548277, 8400888844

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CMO Reg. No. RMEE 2445133 NABL Reg. No. MC-2491 Certificate No. MIS-2023-0218

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 (± 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.
- <u>Uterine arteries</u>: 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.
- <u>Umbilical artery</u>: Three-vessel umbilical cord is seen. They show normal caliber with complete colour fill-in.





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• <u>Fetal middle cerebral artery</u>: 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

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

OPINION:

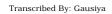
- SINGLE LIVE FOETUS OF 32 WEEKS + 05 DAYS (± 2.3 WEEKS) & SHOWS NORMAL FLOW CHARACTERISTICS AND WAVEFORMS IN ALL THE EVALUATED VESSELS AS DESCRIBED ABOVE.
- DISCREPANCY OF 4 WEEK FROM DATE OF LMP AND DISPROPORTIONATELY SMALL AC—? IUGR.
- LIE CEPHALIC PRESENTATION
- PLACENTA POSTERIOR GRADE II.
- AMNIOTIC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







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