

Patient Name	: Ms. ANJALI SONI	Visit No	: CHA250033854
Age/Gender	: 25 Y O M O D /F	Registration ON	: 25/Feb/2025 11:12AM
<b>Lab No</b>	<b>: 10131150</b>	Sample Collected ON	: 25/Feb/2025 11:12AM
Referred By	: Dr.VEERANGANA AWANTIKA BAI	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 25/Feb/2025 11:56AM

## **ULTRASOUND STUDY OF OBSTETRICS**

- LMP is 07/06/2024 EGA by LMP is 37 weeks + 4 days.
- Single live intrauterine foetus is seen in longitudinal lie cephalic presentation.
- Foetal heart rate is 152/min.
- Foetal gestation age is
  - BPD 78 mm 31 weeks + 2 days
  - HC 301 mm 33 weeks + 3 days
  - AC 281 mm 32 weeks + 1 day
  - FL 64 mm 33 weeks + 1 day
- Placenta is posterior wall and shows grade II maturity changes.
- Cervical length is normal measures 2.9 cm.
- Amniotic fluid is adequate. AFI = 10 cm.
- EFW is approximately 1997 gms ( $\pm$  292 gms).
- EDD is approximately 19/04/2025.
- No evidence of cord is seen around fetal neck at the time of examination.
- **Fetal age parameters corresponding to 32 weeks and 3 days. There is discrepancy of 5 weeks from the date of L.M.P - ? Wrong dates - ?? 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.
- **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).**



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- 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>	37cm/ sec	32cm/sec	147 cm/sec	68 cm/sec
<b>ED</b>	8.8cm/sec	11cm/sec	78 cm/sec	41 cm/sec
<b>S/D</b>	4.2	2.9	1.8	1.6
<b>RI</b>	0.76	0.66	0.47	0.39
<b>PI</b>	1.44 (Normal < 2)	1.08 (Normal < 1)	0.69	0.52

**OPINION:**

- **SINGLE LIVE FOETUS OF 32 WEEKS + 3 DAYS (± 2.3 WEEKS) & SHOWS NORMAL FLOW CHARACTERISTICS AND WAVEFORMS IN ALL THE EVALUATED VESSELS AS DESCRIBED ABOVE.**
- **DISCREPANCY OF 5 WEEKS FROM THE DATE OF L.M.P - ? WRONG DATES - ?? IUGR.**
- **LIE – CEPHALIC PRESENTATION**
- **PLACENTA – POSTERIOR WALL GRADE - II**
- **AMNIOTIC FLUID – NORMAL (AFI = 11-12cm).**

Note:-- I Dr. Nisma Waheed, declare that while conducting ultrasound study of Mrs. Anjali Soni, 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 \*\*\*

