

Patient Name	: Ms.GULNAAZ	Visit No	: CHA250044428
Age/Gender	: 25 Y/F	Registration ON	: 12/Mar/2025 10:16AM
<b>Lab No</b>	<b>: 10141723</b>	Sample Collected ON	: 12/Mar/2025 10:16AM
Referred By	: Dr.WE CARE HOSPITAL	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 12/Mar/2025 12:40PM

## **ULTRASOUND STUDY OF OBSTETRICS**

- LMP is 06/07/2024 EGA by LMP is 35 weeks + 4 days.
- Single live intrauterine foetus is seen in longitudinal lie cephalic presentation.
- Foetal heart rate is 157/min.
- Foetal gestation age is
  - BPD 90 mm 36 weeks + 6 days
  - HC 330 mm 37 weeks + 5 days
  - AC 325 mm 36 weeks + 3 days
  - FL 68 mm 35 weeks + 2 days
- Placenta is posterior wall and shows grade II maturity changes.
- Cervical length is normal measures 3.2 cm.
- Amniotic fluid is adequate. AFI = 13 cm.
- EFW is approximately 2904 gms ( $\pm$  424 gms).
- EDD is approximately 04/04/2025.
- 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 2.4 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**

	<b>MCA</b>	<b>UA</b>	<b>RT UT</b>	<b>LT UT</b>
<b>PS</b>	52cm/ sec	47cm/sec	46 cm/sec	122 cm/sec
<b>ED</b>	10cm/sec	22cm/sec	29 cm/sec	90 cm/sec
<b>S/D</b>	5.1	2.1	1.5	1.3
<b>RI</b>	0.81	0.52	0.37	0.26
<b>PI</b>	1.73 (Normal < 2)	0.73 (Normal < 1)	0.49	0.32

**OPINION:**

- **SINGLE LIVE FOETUS OF 36 WEEKS + 5 DAYS (± 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 = 13 cm).**

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

\*\*\* End Of Report \*\*\*

