

Patient Name	: Ms.NEHA KHAN	Visit No	: CHA250034834
Age/Gender	: 36 Y/F	Registration ON	: 26/Feb/2025 02:01PM
<b>Lab No</b>	<b>: 10132130</b>	Sample Collected ON	: 26/Feb/2025 02:01PM
Referred By	: Dr.SHALINI RAMAN	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 26/Feb/2025 02:46PM

## **ULTRASOUND STUDY OF OBSTETRICS**

- LMP is 26/08/2024 EGA by LMP is 26 weeks + 2 days.
- Single live intrauterine foetus is seen in longitudinal lie **breech presentation at the time of scan.**
- Foetal heart rate is 153/min.
- Foetal gestation age is
  - BPD 74 mm 29 weeks + 5 days
  - HC 266 mm 29 weeks + 0 day
  - AC 240 mm 28 weeks + 2 days
  - FL 55 mm 29 weeks + 2 days
- Placenta is anterior wall and shows grade II maturity changes. **Few placental lakes are noted.**
- Cervical length is normal measures 3.3 cm.
- Amniotic fluid is adequate. AFI = 12 cm.
- EFW is approximately 1293 gms ( $\pm$  189 gms).
- EDD is approximately 14/05/2025.
- 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 1.4 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**

	<u>MCA</u>	<u>UA</u>	<u>RT UT</u>	<u>LT UT</u>
<u>PS</u>	37cm/ sec	49cm/sec	106cm/sec	67 cm/sec
<u>ED</u>	7.5cm/sec	12cm/sec	61 cm/sec	41 cm/sec
<u>S/D</u>	5.0	3.8	1.7	1.6
<u>RI</u>	0.80	0.74	0.42	0.39
<u>PI</u>	1.71 (Normal < 2)	1.23 (Normal < 1)	0.56	0.49

**OPINION:**

- **SINGLE LIVE FOETUS OF 29 WEEKS + 0 DAY (± 2.3 WEEKS) & SHOWS NORMAL FLOW CHARACTERISTICS AND WAVEFORMS IN ALL THE EVALUATED VESSELS AS DESCRIBED ABOVE.**
- **LIE – BREECH PRESENTATION AT THE TIME OF SCAN.**
- **PLACENTA – ANTERIOR WALL GRADE - II**
- **AMNIOTIC FLUID – NORMAL (AFI = 12 cm).**

Note:-- I Dr. Nisma Waheed, declare that while conducting ultrasound study of Mrs. Neha Khan, 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]**

**CHARAK**

(Transcribed by Rachna)

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

