

Patient Name	: Ms.AEMAN FATIMA	Visit No	: CHA250047102
Age/Gender	: 34 Y/F	Registration ON	: 17/Mar/2025 01:07PM
Lab No	: 10144397	Sample Collected ON	: 17/Mar/2025 01:07PM
Referred By	: Dr.AKANKSHA RAIKWAR	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 17/Mar/2025 02:15PM

ULTRASOUND STUDY OF OBSTETRICS

- LMP is 01/08/2024 EGA by LMP is 32 weeks + 4 days.
- Single live intrauterine foetus is seen in longitudinal lie cephalic presentation.
- Foetal heart rate is 153/min.
- Foetal gestation age is
 - BPD 79 mm 32 weeks + 0 day
 - HC 303 mm 33 weeks + 5 days
 - AC 287 mm 32 weeks + 5 days
 - FL 60 mm 31 weeks + 4 days
- Placenta is anterior wall and shows grade II maturity changes.
- Cervical length is poorly visualized, however appears grossly normal, measures 3.4 cm.
- Amniotic fluid is adequate. AFI around 8-9 cm.
- EFW is approximately 1967 gms (\pm 287 gms).
- EDD is approximately 08/05/2025.
- 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 2.5 which is within the normal limit (normal > 1). (CPR ratio = MCA PI / UA PI).
- IVC show normal flow and spectral pattern.



Patient Name : Ms.AEMAN FATIMA Visit No : CHA250047102
Age/Gender : 34 Y/F Registration ON : 17/Mar/2025 01:07PM
Lab No : 10144397 Sample Collected ON : 17/Mar/2025 01:07PM
Referred By : Dr.AKANKSHA RAIKWAR Sample Received ON :
Refer Lab/Hosp : CHARAK NA Report Generated ON : 17/Mar/2025 02:15PM

- **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	58cm/ sec	44cm/sec	121 cm/sec	58 cm/sec
ED	8.9cm/sec	18cm/sec	60 cm/sec	32 cm/sec
S/D	6.5	2.3	2.0	1.7
RI	0.85	0.58	0.50	0.44
PI	2.08 (Normal < 2)	0.86 (Normal < 1)	0.78	0.62

OPINION:

- **SINGLE LIVE FOETUS OF 32 WEEKS + 4 DAYS (± 2.3 WEEKS) & SHOWS NORMAL FLOW CHARACTERISTICS AND WAVEFORMS IN ALL THE EVALUATED VESSELS AS DESCRIBED ABOVE.**
- **LIE – CEPHALIC PRESENTATION**
- **PLACENTA – ANTERIOR WALL GRADE - II**
- **AMNIOTIC FLUID – NORMAL (AFI around 8-9 cm).**

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

