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|----------------|--------------------------|---------------------|-----------------------|
| Patient Name | : Ms.RAIDA MARIYAM | Visit No | : CHA250045288 |
| Age/Gender | : 27 Y/F | Registration ON | : 13/Mar/2025 02:30PM |
| Lab No | : 10142583 | Sample Collected ON | : 13/Mar/2025 02:30PM |
| Referred By | : Dr.ERA MEDICAL COLLEGE | Sample Received ON | : |
| Refer Lab/Hosp | : CHARAK NA | Report Generated ON | : 13/Mar/2025 02:43PM |

ULTRASOUND STUDY OF OBSTETRICS

- LMP is 23/06/2024 EGA by LMP is 37 weeks + 4 days.
- Single live intrauterine foetus is seen in longitudinal lie cephalic presentation.
- Foetal heart rate is 155/min.
- Foetal gestation age is
 - BPD 92 mm 37 weeks + 4 days
 - HC 331 mm 37 weeks + 6 days
 - AC 312 mm 35 weeks + 1 day
 - FL 70 mm 36 weeks + 0 day
- **AC is disproportionately small.**
- Placenta is posterior wall and shows grade II maturity changes.
- *Cervical length could not be visualized due to inadequate window (empty bladder).*
- Amniotic fluid is adequate. AFI = 10-11 cm.
- EFW is approximately 2808 gms (\pm 410 gms).
- EDD is approximately 06/04/2025.
- No evidence of cord is seen around fetal neck at the time of examination.
- **Fetal age parameters corresponding to 36 weeks and 4 days. There is discrepancy of 1 week 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.**
- **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.



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The cerebro-placenta ratio is normal limits (>1). Fetal MCA cerebro-placental ratio is 1.8 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

| | MCA | UA | RT UT | LT UT |
|------------|----------------------|----------------------|--------------|--------------|
| PS | 68cm/ sec | 44cm/sec | 61 cm/sec | 36 cm/sec |
| ED | 13cm/sec | 16cm/sec | 37 cm/sec | 21 cm/sec |
| S/D | 4.9 | 2.6 | 1.6 | 1.6 |
| RI | 0.80 | 0.62 | 0.38 | 0.41 |
| PI | 1.71 (Normal < 2) | 0.96 (Normal < 1) | 0.51 | 0.58 |

OPINION:

- **SINGLE LIVE FOETUS OF 36 WEEKS + 4 DAYS (± 2.3 WEEKS) WITH DISPROPORTIONATELY SMALL AC.**
- **NORMAL FLOW CHARACTERISTICS AND WAVEFORMS IN ALL THE EVALUATED VESSELS AS DESCRIBED ABOVE.**
- **DISCREPANCY OF 1 WEEK FROM THE DATE OF L.M.P - ? IUGR.**
- **LIE – CEPHALIC PRESENTATION**
- **PLACENTA – POSTERIOR WALL GRADE - II**
- **AMNIOTIC FLUID – NORMAL (AFI = 10-11 cm).**

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

