

Patient Name : Ms.ARADHANA GAUTAM
Age/Gender : 29 Y/F
Lab No : 10134845
Referred By : Dr.ESIC HOSPITAL LUCKNOW
Refer Lab/Hosp : ESIC HOSPITAL LUCKNOW
Doctor Advice : PT/PC/INR,COLOUR DOPPLER OBS

Visit No : CHA250037550
Registration ON : 02/Mar/2025 10:34AM
Sample Collected ON : 02/Mar/2025 10:36AM
Sample Received ON : 02/Mar/2025 10:56AM
Report Generated ON : 02/Mar/2025 12:19PM



Test Name	Result	Unit	Bio. Ref. Range	Method
PT/PC/INR				
PROTHROMBIN TIME	13 Second		13 Second	Clotting Assay
Prothrombin concentration	100 %		100 %	
INR (International Normalized Ratio)	1.00		1.0	

*** End Of Report ***



CHARAK

[Checked By]

Print.Date/Time: 02-03-2025 14:10:08

*Patient Identity Has Not Been Verified. Not For Medicolegal



DR. NISHANT SHARMA
PATHOLOGIST

DR. SHADAB
PATHOLOGIST


DR. ADITI D AGARWAL
PATHOLOGIST

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ULTRASOUND STUDY OF OBSTETRICS

- LMP is 23/06/2024 EGA by LMP is 36 weeks + 0 day.
- Single live intrauterine foetus is seen in longitudinal lie cephalic presentation.
- Foetal heart rate is 154/min.
- Foetal gestation age is
 - BPD 86 mm 34 weeks + 6 days
 - HC 323 mm 36 weeks + 4 days
 - AC 319 mm 35 weeks + 6 days
 - FL 71 mm 36 weeks + 5 days
- Placenta is posterior wall with left lateral extension and shows grade II maturity changes.
- Cervical length is normal measures 4.0 cm.
- **Amniotic fluid is reduced. AFI = 7-8 cm.**
- EFW is approximately 2838 gms (\pm 414 gms).
- EDD is approximately 31/03/2025.
- 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 2.2 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>	46cm/ sec	52cm/sec	76 cm/sec	87 cm/sec
<u>ED</u>	7.2cm/sec	21cm/sec	31 cm/sec	49 cm/sec
<u>S/D</u>	6.4	2.4	2.4	1.7
<u>RI</u>	0.85	0.59	0.59	0.44
<u>PI</u>	2.05 (Normal < 2)	0.91 (Normal < 1)	1.03	0.61

OPINION:

- **SINGLE LIVE FOETUS OF 35 WEEKS + 6 DAYS (± 2.3 WEEKS) & SHOWS NORMAL FLOW CHARACTERISTICS AND WAVEFORMS IN ALL THE EVALUATED VESSELS AS DESCRIBED ABOVE.**
- **LIE – CEPHALIC PRESENTATION**
- **PLACENTA – POSTERIOR WALL WITH LEFT LATERAL EXTENSION GRADE - II**
- **AMNIOTIC FLUID – OLIGOHYDRAMNIOS (AFI = 7-8 cm).**

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

