

Name of the investigation: Growth scan with Colour doppler  
 Date: 16-11-2023  
 Name of the patient: Mrs. Aanchal Kasana  
 Age: 35yrs  
 Ref by: Dr. Preeti Agarwal (Rampur)  
 Diagnosis: G2P1L1  
 H/o any teratogen exposure: None  
 LMP: 11-04-23  
 Gestational age by LMP: 31wks 2 days  
 Gestational age by current USG: 33wks  
 EDD by dates: 16-01-24  
 EDD by USG: 04-01-24

**REPORT**

Single live intrauterine fetus, with longitudinal lie and cephalic presentation.  
 Placental location: Anterior, Upper.  
 Liquor: Adequate, AFI: 10.6cm.  
 Fetal movements seen.

**Measurements**

Biparietal diameter	34wks 3 days (98 <sup>th</sup> centile)
Head Circumference	34wks 3 days (91 <sup>st</sup> centile)
Abdominal Circumference	31wks 4 days (59 <sup>th</sup> centile)
Femur Length	31wks 5 days (50 <sup>th</sup> centile)
Fetal HR	125/min
Expected Fetal Weight	1935gm (70 <sup>th</sup> centile)

**Biophysical profile**

Gross Fetal Movements	Seen (2)
Fetal tone	Seen (2)
Breathing movements	Seen (2)
AFI	10.6cm (2)
<b>Total score</b>	<b>8/8 (Normal)</b>

**COLOUR DOPPLER**

	Systolic/Diastolic ratio	Resistance index	Pulsatility Index
Umbilical artery	3.2(75 <sup>th</sup> - 95 <sup>th</sup> centile)	0.6(75 <sup>th</sup> - 95 <sup>th</sup> centile)	1(75 <sup>th</sup> - 95 <sup>th</sup> centile)
Middle cerebral artery	8.8(Normal)	0.8(Normal)	2.2(Normal)

Colour doppler study shows normal umbilical and middle cerebral artery doppler indices, with normal cerebroplacental ratio (CPR): 2.1

	Avg	1	2	3	Pt.R
Umbilical A					
PI	1.08	1.23	1.00	1.02	79.59
Acc.T	130	120	167	103	ms
Acc	390.50	349.96	244.64	522.32	cm/s <sup>2</sup>
Dev.T	356	322	364	493	ms
Dev	127.87	136.53	154.23	111.80	cm/s <sup>2</sup>
MRI Cerebr A					
PDI	Avg	1	2	3	Pt.R
	52.76	46.29	59.23		cm/s

**DHANWANTRI**  
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**Impression: Single live intrauterine fetus at 33wks with adequate liquor with normal biophysical profile score with normal doppler indices.**

I, Dr Dipali Verma declare that while conducting ultrasonography on the patient ,  
 I have neither detected nor disclosed the gender of the fetus to anybody in any manner.



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