



Critical Ultrasonography Clinic

Weekdays: 9.00 a.m. To 6.00 p.m. Saturday: 9.00 am. To 1.00 p.m.
1731, Sadashiv Peth, Near Swami Math, Off Tilak Road, Pune 411030. INDIA

PG-PNDT Regd. 40/2002

Dr. Manoj
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MBBS DMRD

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Patient:	Date:	Region:	Tech.:
Mrs. Bhagyashree Sirsat ID: 224968-136931-1	14 August 2024	Obstetric	2D, Doppler, Anomaly scan
Ref.: Dr. Manisha Y. Machave			

Clinical Background

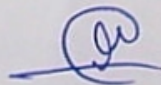
- She has 19 weeks 4 days amenorrhoea by LMP date on 30-03-24.
- Gestational age is expected to be 18 weeks 5 days \pm 7 days. Gestational age is based on Biometry at 12 weeks 1 day.
- Expected Due Date is Friday 10-01-2025.

Obstetric ultrasound examination Report

- 18 weeks 5 days \pm 7 days maturity single live intrauterine fetus is seen.
- Visualised fetal appearances are normal at this stage.
- Slight increased bowel echogenicity is seen in the fetus. It is seen as an isolated finding. It is probably not significant.
- There is adequate fetal growth.
- Doppler indices are normal.

Please find detailed description of findings on following pages ...

I, Dr. Manoj Chinchwadkar, declare that while conducting ultrasonography on Mrs. Bhagyashree Sirsat, I have neither detected nor disclosed the sex of the fetus to any body in any manner.


Dr. Manoj Chinchwadkar,
MBBS, DMRD,
MMC Regd. No. 65306

DR. MANOJ CHINCHWADKAR
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Description of Ultrasound findings

Fetus

- | The single live intrauterine fetus shows cardiac activity.
- | Fetal heart rate measures 159 beats/min.
- | Fetus has size corresponding to the size of fetus at 18 weeks 5 days.
- | There is adequate fetal growth.
- | Estimated fetal weight is $258 \text{ g} \pm 39 \text{ g}$.

Liquor

- | Liquor is adequate in amount.

Placenta

- | Placenta is anterior.
- | Placenta shows normal appearances.
- | Placenta is not low placed.

Cervix

- | Endocervical length measures 34.8 mm.
- | Internal os is closed and does not show funneling.

Doppler - Uterine arteries

- | On Doppler interrogation, right uterine artery shows pulsatility index of 0.63.
- | On Doppler interrogation, left uterine artery shows pulsatility index of 0.7.
- | Average pulsatility index is 0.665, which is below the 95th centile values.

Doppler - Umbilical artery

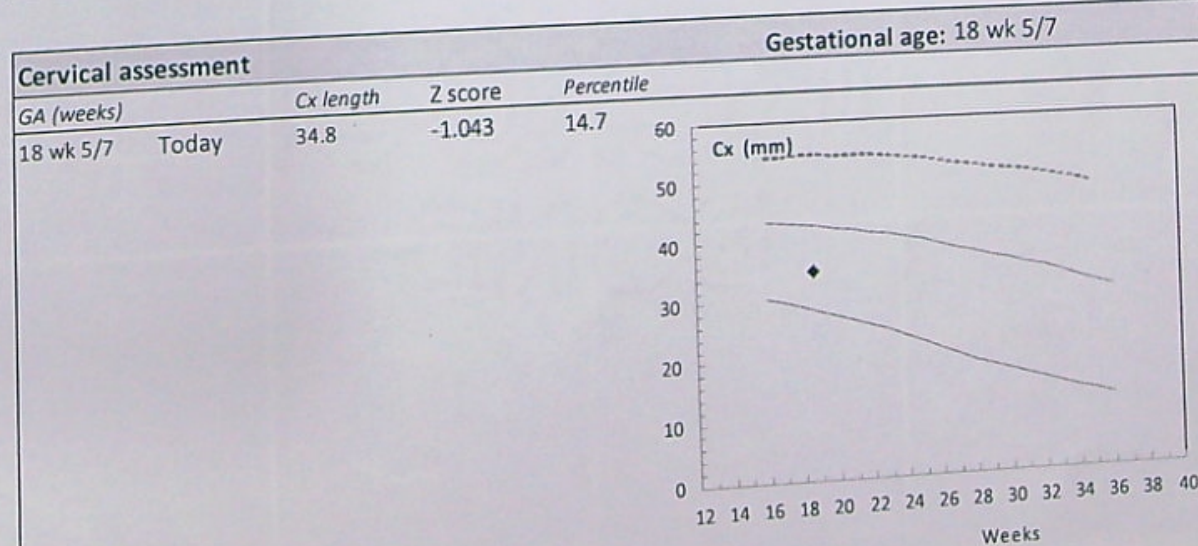
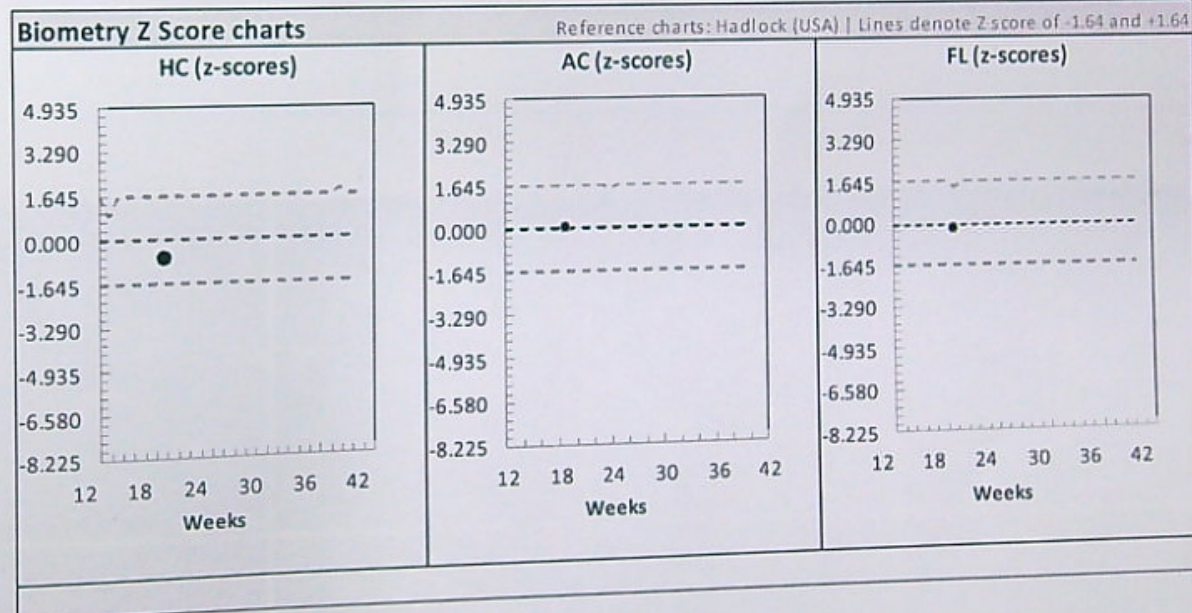
- | On Doppler interrogation, umbilical artery shows pulsatility index of 1.08 which is below the 95th centile values.
- | Diastolic component in the umbilical artery flow is not absent.

Continued:

Region	Findings	Remarks
Cardiac structures	Normal	Normal situs is seen. Cardiac chamber sizes are normal. No evidence of large VSD is seen, though some VSD will not get detected on ultrasound. Atrioventricular and ventriculoarterial connections are normal.
Abdominal structures	Normal	No evidence of diaphragmatic hernia is seen. No evidence of omphalocele is seen.
KUB	Normal	No significant pyelectasis or hydronephrosis is seen on either sides. Both the kidneys normal appearances. Urinary bladder is seen.
Limbs	Normal	Visualised parts of the limbs show normal appearances. No evidence of overlapping fingers are seen. No evidence of club foot is seen.
Miscellaneous structures	Normal	Nuchal pad is not thickened. Nasal bone has formed. No evidence of cleft lip is seen (An isolated cleft palate deformity can get undetected on ultrasound). Three vessel cord is seen.

Gestational age		As on Date 14-Aug-24
By Biometry at 12 weeks 1 day		18 weeks 5 days \pm 7 days
Best estimate of gestational age (GA)		18 weeks 5 days \pm 7 days
Best estimate of Expected Due Date (EDD)		Friday 10-Jan-2025
Gestational age is based on Biometry at 12 weeks 1 day.		
Adjusted LMP 05-Apr-24		

Fetal growth				
Biometry date : 14-Aug-24			Gestational age: 18 wk 5/7	
Fetal biometry	Measurement (mm)	Size at weeks	Percentile	Z-score #
BPD (Outer-Inner Biparietal diameter)	43	19	56	+ 0.190
HC (Head circumference)	154	18 wk 3/7	26	- 0.624
AC (Abdominal circumference)	135	18 wk 6/7	52	+ 0.086
FL (femur diaphysial length)	29	18 wk 5/7	44	- 0.134
Corresponds to the size of fetus at : 18 wk 5/7				
Estimated fetal weight: 258 g ± 39 g				
Reference charts: Hadlock (USA)				
Normal range for Z score: -1.64 to +1.64 for biometry & -1.28 to +1.28 for fetal weight				



L. J. Salomon et al Reference range for cervical length throughout pregnancy:
Non-parametric LMS-based model applied to a large sample. Ultrasound Obstet Gynecol 2009; 33: 459-464.

Placental Doppler charts

