



BOTHARA

HI-TECH IMAGING CENTRE

- 1.5 Tesla New Whole Body MRI
- 16 Slice 3D C.T. Scan ■ 5D Sonography
- Whole Body Colour Doppler
- Digital X-Ray ■ Digital OPG
- Digital Mammography

Patient Name: **MANISHA RAMLAL VAIRALKAR**

Patient Id: **125**

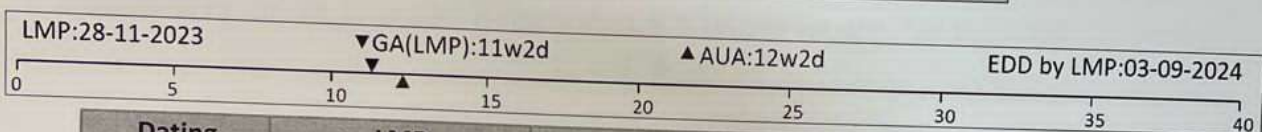
Ref Phy: **DR. PRAMILA R SOLANKI MD**

Date: **15/02/2024**

Age/Sex: **34 Years / FEMALE**

OBSTETRIC NT SCAN

Height : 155	BP	MAP
Weight : 65	Systolic 102	78.67
BMI : 27.06	Diastolic 67	mmHG



Dating	LMP	GA	EDD
		Weeks	Days
By LMP	LMP: 28/11/2023	11	2
By USG		12	2
			03/09/2024
			27/08/2024

AGREED DATING IS (BASED ON LMP)

Embryonal Growth Parameters	mm	Weeks	Days
Crown Rump Length	57.2	12	2
Heart Rate	152 Beats Per Minute.		
The Embryo attains 40 weeks of age on	27/08/2024		
Nuchal Translucency	1.2 mm 25% + ● + + +		
Nasal Bone	3.6 mm 95.2% + + + + 95%		
Hands, Limbs, Nasal Triangle Integrity, Bladder, Stomach & Umbilical Arteries	Seen		
Ductus Venosus Waveform	Normal waveform Pattern		

Vessels	S/D	RI	PI	PI Percentile	Remarks
Right Uterine Artery	3.38	0.7	1.22	6.8% + ● + + +	No early Diastolic notch seen
Left Uterine Artery	3.09	0.68	1.18	5.5% + ● + + +	No early Diastolic notch seen
Mean Uterine Artery			1.2	6% + ● + + +	Normal
Ductus venosus	2.03		1.81		PSV=-13.39 Normal waveform Pattern

	Risk From History Only	Risk From History Plus NT, FHR (Fetal medicine by UK)
Trisomy 21:	1 in 313	1 in 2000
Trisomy 18:	1 in 769	1 in 1111
Trisomy 13:	1 in 2500	1 in 10000

Dr. Sanjay Bothara
M.D. (Radiology)
F.M.S. (Madras)

Behind Shivaji High School, Suvarna Nagar, Buldhana 443 001 Phone 9881243318

PTO

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Preeclampsia risk From (fetalmedicine.org UK)

History only

< 37 weeks: 1 in 81

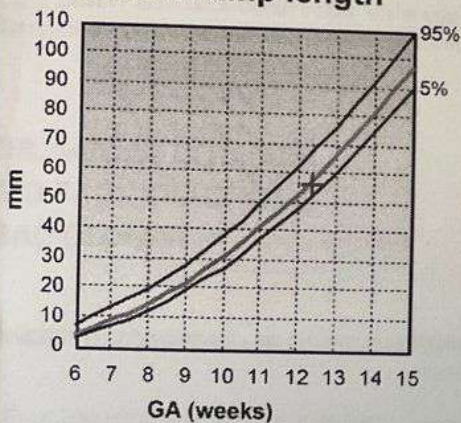
History plus MAP, UTPI

< 37 weeks: 1 in 714

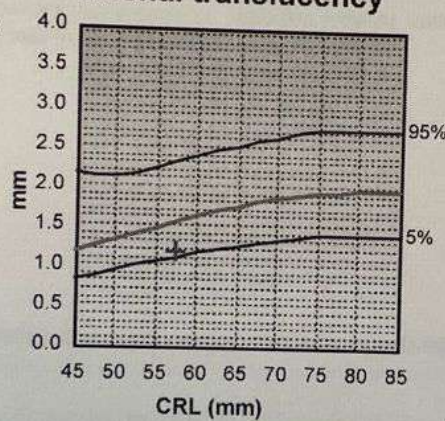
Recommendation

The risk of preeclampsia was assessed by a combination of maternal characteristics and medical history with measurements of blood pressure and blood flow to the uterus. On the basis of this assessment the patient has been classified as being at low risk for developing PE before 37 weeks. Nevertheless, it is recommended that the risk is reassessed at 20 and 36 weeks.

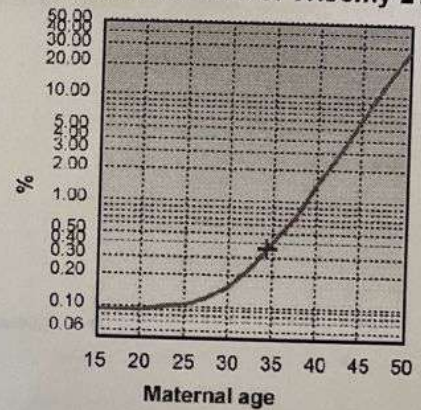
Crown-rump length



Nuchal translucency



1st trimester risk of Trisomy 21



First trimester: Pre Ultrasound Maternal age risk for Trisomy21 is 1 in 312

T21 Risk	
From - NT	1 in 1835
From - NT-NB-DV-FHR	1 in 9392

Dr.Sanjay Bothara

M.D. (Radiology)
F.M.S. (Madras)

Obstetrics Report

BOTHARA

Obstetrics Report

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BOTHARA HI-TECH IMAGING C

Patient / Exam Information

Date of Exam: 15.02.2024

Patient ID E81226-24-02-15-15
 Name MANISHA RAMLAL VAIRALKAR
 DOB, Age 10.09.1989, 34
 Sex Female

Gravida 3
 Para 2
 AB 0
 Ectopic 0
 Fetus 1

IP 28.11.2023 DOC

EDD(LMP) 03.09.2024 GA(LMP) 11w2d

A(AUA) 12w2d
 DD(AUA) 27.08.2024

Ref. Phys. DR. S. U. BOTHARA.SIR.MD

Ref. Phys.

DR. PRAMILA R. SOLANKI.MD

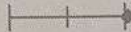
Sonographer

DR. S. U. BOTHARA SIR MD

Comment

Indication

FOR/DEFECT/NT/SCAN

2D Measurements	AUA	Value	m1	m2	m3	Meth.	GP	GA
CRL (Hadlock)	☒	57.17 mm	57.17			last		97.6% 12w2d
NT		1.20 mm	1.20'			last		
NBL (Sonek)		3.57 mm	3.57			last		95.2%

FHR-152

Doppler Measurements	Value	m1	m2	m3	m4	m5	m6	Meth.
Left Uterine								
PS	-71.51 cm/s	-71.51						max
ED	-23.16 cm/s	-23.16						max
TAmx	-41.05 cm/s	-41.05						max
MD	-8.83 cm/s	-8.83						max
RI	0.68	0.68						avg.
PI	1.18	1.18						avg.
S/D	3.09	3.09						avg.
HR	64 bpm	64						max
Right Uterine								
PS	43.67 cm/s	43.67						max
ED	12.92 cm/s	12.92						max
TAmx	25.25 cm/s	25.25						max
MD	12.39 cm/s	12.39						avg.
RI	0.70	0.70						avg.
PI	1.22	1.22						avg.
S/D	3.38	3.38						max
HR	64 bpm	64						max
Ductus Venosus								
S	-13.39 cm/s	-13.39						max
TAmx	-11.05 cm/s	-11.05						max
a	6.61 cm/s	6.61						max
D	-11.23 cm/s	-11.23						avg.
PI	1.81	1.81						1/2

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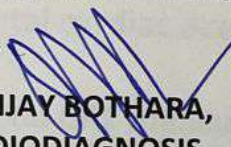
CONCLUSION:

- **SINGLE LIVE INTRAUTERINE FETUS OF 11 - 12 WEEKS OF MATURITY.**
- **PLEASE CORRELATE WITH DUAL/TRIPLE MARKER TEST.**

Suggested Anomaly scan at 19 weeks: 02/04/2024 $\pm$ 2 days

Please note that all anomalies can not be detected all the times due to various technical and circumstantial reasons like gestation period, fetal position, quantity of liquor etc. The present study can not completely confirm presence or absence of any or all the congenital anomalies in the fetus which may be detected on post natal period. Growth parameters mentioned herein are based on International Data and may vary from Indian standards. Date of delivery (at 40 weeks) is calculated as per the present sonographic growth of fetus and may not correspond with period of gestation by L.M.P. or by actual date of delivery. As with any other diagnostic modality, the present study should be correlated with clinical features for proper management. Except in cases of Fetal Demise or Missed Abortion, sonography at 20-22 weeks should always be advised for better fetal evaluation and also for base line study for future reference.

DR. SANJAY BOTHARA declare that while conducting sonography on MANISHA RAMLAL VAIRALKAR (name of pregnant woman), I have neither detected nor disclosed the sex of the fetus to anybody in any manner.


DR. SANJAY BOTHARA,
MD RADIODIAGNOSIS
RADIOLOGIST

REQUEST FOR OBSTETRIC USG ON YOUR LETTER HEAD IS MANDATORY (PCPNDT ACT). PLEASE COMPLY.



Dr. Sanjay Bothara
M.D. (Radiology)
F.M.S. (Madras)

Name:

MANISHA RAMLAL VAIRALKAR

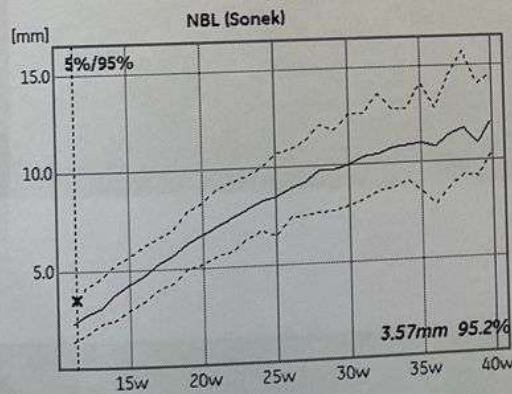
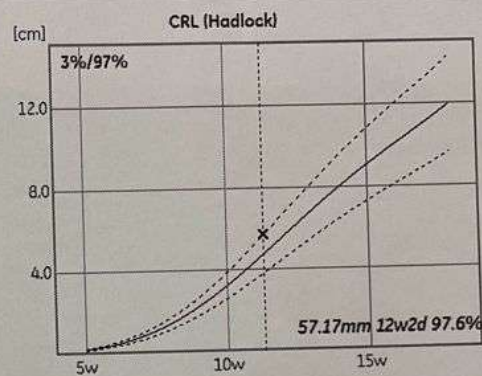
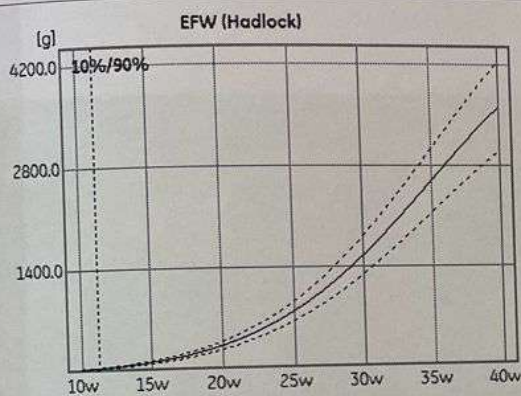
Patient ID:

E81226-24-02-15-15

Doppler Measurements	Value	m1	m2	m3	m4	m5	m6	Meth.
Ductus Venosus								
S/a	-2.03	-2.03						avg.
a/S	-0.49	-0.49						avg.
PVIV	1.78	1.78						avg.
PLI	1.49	1.49						avg.
HR	33 bpm	33						max

Graph

GA Reference: GA(LMP)



2D Generic	Value	m1	m2	m3	m4	m5	m6	Meth.
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Dist.

D

30.53 mm

30.53

avg.

Date: 15.02.2024

Perf. Physician:

DR. S. U.
BOTHARA.SIR.MD

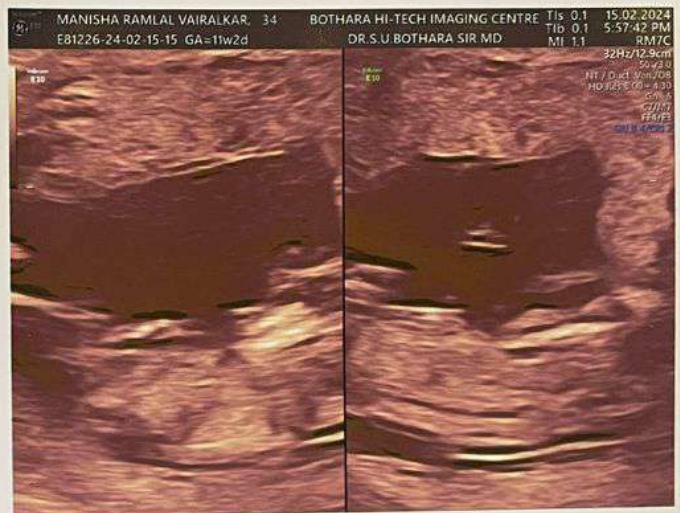
Sonographer:

DR.S.U.BOTHARA
SIR MD2 / 2
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MANISHA RAMLAL VAIRALKAR

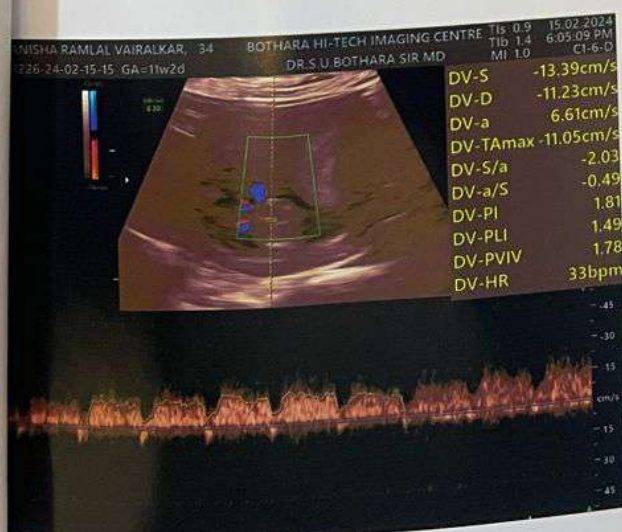
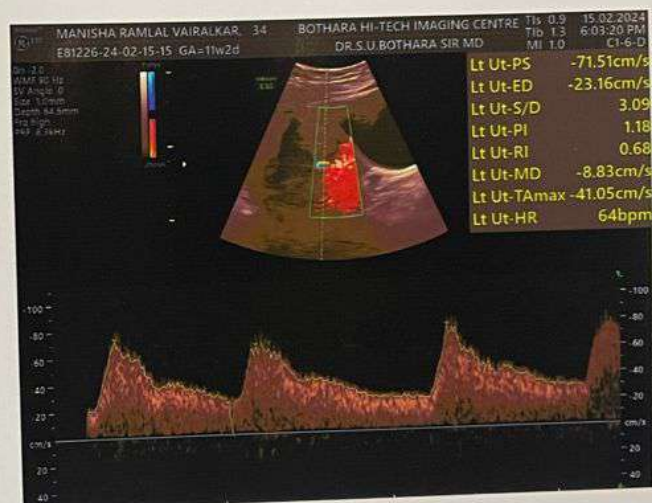
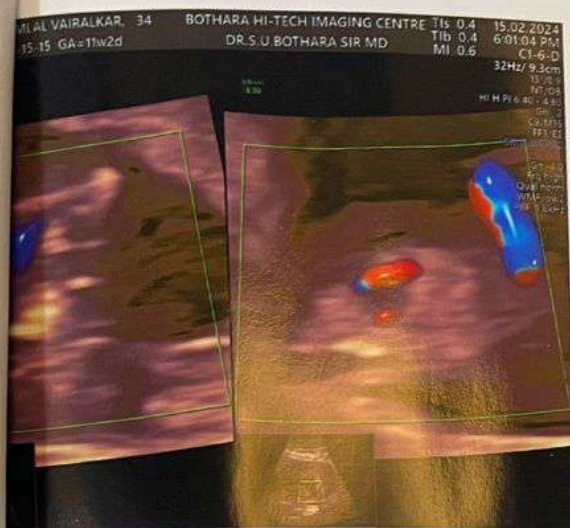
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