



Name Jain, Jyoti Hukmichand

DOB 21.11.1988

Sex Female

Pat. ID 21092024-04

Perf. Phys. Dr. Yankit Jain

Ref. Phys. Dr. MANASI GULATI

Indication

Sonogr.

LMP	22.06.2024	GA(LMP)	21w5d	EDD(LMP)	29.03.2025	G		Ab
DOC		GA(AUA)	21w5d	EDD(AUA)	29.03.2025	P		Ec

EFW (Hadlock)	Value	Range	Age	Range	GP	Hadlock
AC/BPD/FL/HC	469g	± 68g	21w6d			58.9%

2D Measurements	AUA	Value	m1	m2	m3	Meth.	GP	Age
BPD (Hadlock)	✓	5.41 cm	5.41			avg.	76.0%	22w3d
OFD (HC)		6.71 cm	6.71			avg.		
HC (Hadlock)	✓	19.06 cm	19.06			avg.	23.4%	21w2d
HC* (Hadlock)	■	19.09 cm	19.09				24.3%	21w2d
AC (Hadlock)	✓	17.33 cm	17.33			avg.	61.0%	22w2d
FL (Hadlock)	✓	3.71 cm	3.70	3.72		avg.	43.5%	21w6d
TIB (Jeanty)	✓	3.03 cm	3.16	2.90		avg.	32.1%	21w1d
FIB (Jeanty)	✓	3.18 cm	3.10	3.26		avg.	43.5%	21w3d
HL (Jeanty)	✓	3.44 cm	3.58	3.29		avg.	49.5%	21w5d
RAD (Jeanty)	✓	2.94 cm	3.00	2.88		avg.	46.0%	21w1d
Ulna (Jeanty)	✓	3.33 cm	3.27	3.39		avg.	64.0%	22w6d
Cereb (Hill)	✓	2.18 cm	2.18			avg.	27.1%	20w4d
BOD (Jeanty)	✓	3.41 cm	3.41			avg.	26.8%	21w5d



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## 2D Calculations

FL/AC	21% (20 - 24%)	FL/HC (Hadlock)	0.19 (0.18 - 0.20)
HC/AC (Campbell)	1.10 (1.06 - 1.25)	CI (BPD/OFD)	81% (70 - 86%)
FL/BPD	69% (GA: OOR)		

Doppler Measurements	Value	m1	m2	m3	m4	m5	m6	Meth.
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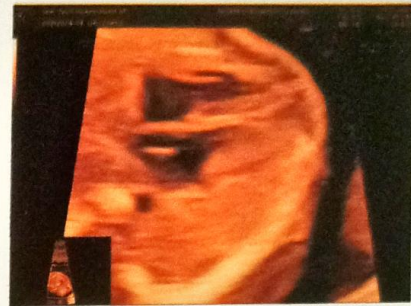
## Left Uterine

PS	63.79 cm/s	63.79						max
ED	27.04 cm/s	27.04						max
TAm <sub>ax</sub>	40.68 cm/s	40.68						max
MD	25.06 cm/s	25.06						max
RI	0.58	0.58						avg.
PI	0.90	0.90						avg.
S/D	2.36	2.36						avg.
HR	82 bpm	82						max

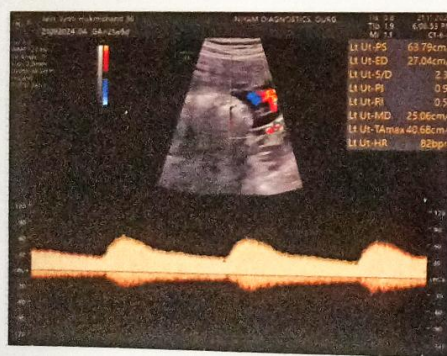
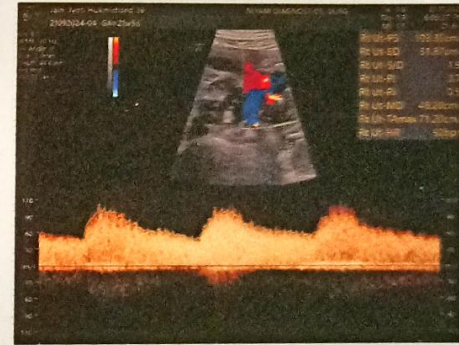
## Right Uterine

PS	103.35 cm/s	103.35						max
ED	51.87 cm/s	51.87						max
TAm <sub>ax</sub>	71.20 cm/s	71.20						max
MD	48.20 cm/s	48.20						max
RI	0.50	0.50						avg.
PI	0.72	0.72						avg.













# Niyam Diagnostics

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Patient Name	: MRS. JYOTI HUKMICHAND JAIN	Age/Sex	: 36 Years/ Female
Ref. By	: Dr. MANASI GULATI	Date	: 21-Nov-24

## USG OBSTETRICS WITH ANOMALY SCAN

Real time B-mode ultrasonography of gravid uterus is done . Route :Transabdominal

DATING	LMP	GESTATIONAL AGE	EDD
BY LMP	22-Jun-24	21 weeks 5 days	29-Mar-25
BY USG		21 weeks 5 days	29-Mar-25
AGREED DATING IS BASED ON LMP			

### FETAL SURVEY:

There is a gravid uterus with a single foetus in **changing lie** presentation is seen at the time of examination.

Foetal cardiac pulsation is present. FHR: 147 b/m.

Foetal movements are present.

Umbilical cord: Two arteries and one vein

Placenta is **anterior, grade I maturity**. No e/o previa or low-lying placenta. No intraplacental /retroplacental abnormality.

Liquor is adequate. Single largest pocket 3.6 cm.

Ductus venosus flow pattern appear normal.

### MATERNAL:

Cervical length measures 3.3 cm appears normal. Internal OS is closed.

Both uterine artery screening done, shows normal spectral pattern. Mean uterine artery PI is normal.

Right uterine artery PI : 0.72

Left uterine artery PI : 0.90

Mean uterine artery PI : 0.81 (16 Percentile- Normal).

### THE FETAL GROWTH PARAMETERS ARE AS FOLLOW:

	Measurements	GA	Percentile	Graph
BPD	5.41 cm	22 weeks 3 days	76.00 %	
HC	19.06 cm	21 weeks 2 days	23.40 %	
AC	17.33 cm	22 weeks 2 days	61.00 %	
FL	3.70 cm	21 weeks 6 days	43.50 %	
WEIGHT	469 g	21 weeks 6 days	58.90 %	

### ANEUPLOIDY MARKERS:

Nasal bone is ossified and appear normal measure 6.40 mm (16.20 % tile)

Nuchal fold thickness: 5.94 mm- within normal limits.





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## TARGETED IMAGING FOR FETAL ANOMALIES

### HEAD:

Midline falx seen.  
Both lateral ventricles appear normal.  
The cerebellum and cisterna magna are normal.  
Trans cerebellar diameter: 2.18 cm (27.10 %), cisterna magna: 5.04 mm  
No intracranial calcification is identified.

### SPINE:

Entire spine visualized in longitudinal and transverse axis.  
Vertebrae and spinal canal appear normal.  
No evidence of neural tube defect is noted.

### NECK:

No cystic lesion seen around the neck.  
The Nuchal fold thickness is normal.

### FACE:

Fetal face seen in the coronal and profile view.  
Both Orbits, nose and mouth appeared normal.  
Binocular distance: 3.41cm (26.80 %) and Interocular distance: 1.39 cm.

### HEART:

The position of the heart is normal.  
Cardiac four chamber view appears normal.  
3 vessel view, RVOT, LVOT, pulmonary vein, Interventricular septum appear normal.  
*Detailed Fetal Echocardiograph may be suggested at appropriate time if indicated.*

### THORAX:

No e/o pleural effusion or pericardial effusion seen.  
No e/o SOL in thorax. The diaphragm is normal.

### ABDOMEN:

Abdominal situs appeared normal. Stomach bubble seen.  
Normal bowel pattern appropriate for the gestation seen.  
No evidence of ascites. Abdominal wall intact.

### KUB:

Both kidneys and urinary bladder appears normal.

### LIMBS:

All fetal long bones visualized and appear normal for the period of gestation.  
Both hands and feet appeared grossly normal.





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## LONG BONES MEASUREMENTS:

Humerus length	: 3.44 cm, 21 weeks 5 days. (49.50 % tile)
Fibula length	: 3.18 cm, 21 weeks 3 days. (43.50 % tile)
Radius length	: 3.00 cm, 21 weeks 1 days. (46.00 % tile)
Tibia length	: 3.16 cm, 21 weeks 1 days. (32.10 % tile)
Ulna length	: 3.27 cm, 22 weeks 6 days. (64.10 % tile)

#	2 <sup>nd</sup> Trimester Aneuploidy Markers	
1	Intracardiac echogenic focus	Absent
2	Ventriculomegaly	Absent
3	Increased Nuchal fold	Absent
4	Echogenic bowel	Absent
5	Mild hydronephrosis	Absent
6	Short humerus	Absent
7	Short femur	Absent
8	Aberrant right subclavian artery (ARSA)	Absent
9	Absent or hypoplastic Nasal bone	Normal size
	Apriori Risk (From Maternal Age)	1 in 205.00
	LR Ratio	0.13
	Trisomy21 Risk	1 in 1,575.11

## IMPRESSION:

- Single live intrauterine foetus with **changing lie** presentation is seen at the time of examination, which corresponds to Gestational age **21 Weeks 5 days**.  
EDD by USG: **29.03.2025 +/- 10 Days**. Fetal weight: **469 Gms. (58.90 % tile)**.
- Menstrual age is **21 weeks 5 days**. EDD by LMP: **29.03.2025**.
- No obvious fetal structural anomaly is detected at this stage.
- Mean uterine artery PI is within normal limits.
- Amniotic fluid is adequate.

## Suggest: Follow Up Scan / Fetal Echo At 22-24 Weeks / Quadruple Marker correlation.

**Disclaimer:** Please note that USG study has certain limitations sometimes fetal anomalies may Not get diagnosed due to nature of anomaly, Gestational age, foetal positioning and limitations of machine thence absence of mention of foetal anomaly in study does not always rule out its possibility. 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. (Fetal echo is not included in this scan).

## Declaration:

I Dr. Yankit Jain declare that while conducting ultrasonography of Mrs. Jyoti Hukmichand Jain, I have neither detected nor disclosed sex of her fetus to anybody by any manner.

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