

Pixel

DIAGNOSTICS & INTERVENTIONS

PT'S NAME & ID: Mrs. Pooja Yadav

AGE/SEX: 32 Years/ Female

REF. BY: Dr. Sarika

DATE: 17-Jun-24

Insertion: Normal
 Abdominal wall intact
 Stomach distended
 Bowels: Normal. No echogenic lesions noted
 Bowel pattern: approximate for gestation seen
 Liver: normal Gall bladder: seen
 Urinary bladder: Distended and normal
 Kidneys appear normal on both sides.

LIMBS

Upper limbs: bilateral

Humerus/Radius/Ulna: seen

Fingers: five fingers identified and no e/o poly or syndactyly or clinodactyly Simian crease: Absent

Lower Limbs: bilateral

Femur/Tibia/ Fibula: seen

Feet: No e/o CTEV or pes planus or rocker bottom foot noted

Toes: five toes identified and no e/o poly or syndactyly or clinodactyly

FOETAL BIOMETRY

PARAMETERS	Meas.(mm)	Age	Percentile	
Bi-Parietal Diameter	48.98 mm	20 weeks 6 days	41.30 percentile	
Abdominal Circumference	155.88 mm	20 weeks 5 days	34.80 percentile	
Femur Length	33.03 mm	20 weeks 2 days	19.80 percentile	
Head Circumference	176.75 mm	20 weeks 1 days	10.70 percentile	
Weight	360 g	20 weeks 5 days	23.00 percentile	

Humerus length: 30.69 mm, 20 weeks 1 days

Fibula length: 30.42 mm, 20 weeks 6 days

Radius length: 27.81 mm, 20 weeks 4 days

Tibia length: 29.92 mm, 21 weeks 0 days

Ulna length: 30.47 mm, 21 weeks 3 days

Both feet measures 37 mm

CRANIUM	Measurement(mm)	Percentile/ Gest. age
NB	6.77	35.9
NF	4.72	-
Cerebellum	20.61	20 weeks 6 days
CM	4.72	28.1
Ventricle	7.89	-
OOD	31.84	20 weeks 3 days
IOD	14.36	77.0
2D CALCULATION		
FL/ AC Ratio	21.2	20-24
FL/BPD Ratio	67.4	71-87
FL/HC Ratio	18.7	13.70-22.50
HC / AC Ratio	1.13	1.06-1.25

Average Maturity

= 20 wks 5 day + 2wks

House No. 24, Sector-14, Near Gate-5, Gurugram

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ULTRASOUND SCAN: OBSTETRICS (LEVEL II)

Level II USG is best done between 18 to 22 weeks. Sensitivity and specificity of level II ultrasound decreases with increased gestational age due to overlapping of fetal parts and decreased liquor and the same has been explained to the patient.

DATING	LMP	GESTATIONAL AGE	EDD
BY LMP	LMP:22-Jan-24	21 weeks 0 days	28-Oct-24
BY USG		20 weeks 5 days	30-Oct-24

AGREED DATING IS BASED ON LMP

Scans show single intrauterine live fetus in variable presentation.

Fetal cardiac pulsations and limb and body movements seen under real time scanning and appear normal.

FHR: 146 bpm.

Placenta is posterior normal & in upper segment Grade 0. Retroplacental area is clear.

Amniotic fluid is adequate.

Cervical length appears normal measuring 38 mm (By tvs).

Umbilical artery show 2 arteries & 1 vein.

FETAL ANATOMICAL SURVEY

HEAD AND FACE

Skull Vault: Continuous

Cavum septum pellucidum: Visualized

Cisterna magna appears normal

Bilateral lateral ventricles are normal. Choroid plexus is seen filling the lateral ventricles.

Posterior fossa structures are normal. No evidence of encephalocele seen.

Falx Cerebri: Midline

Cerebrum: seen

Ventricles: normal

Thalami: normal

Choroid plexus: normal

Intracranial lesions: absent

Nasal bone: present

Nose: Normal

Both orbits: Visualized and normal.

Lips: intact

Palate: intact

Neck: no cystic lesions noted

SPINE

Entire spine: Visualized and normal in curvature

Vertebrae and spinal canal: normal and no e/o segmentation anomaly or platyspondyly noted

Posterior elements are converging and intact

THORAX

Cardiothoracic and TC/AC ratio is in normal limit

Both lungs: seen

Heart: Normal in size and orientation with left sided dominance

Situs solitus (Aorta, IVC relation maintained)

Cardiac axis: Normal

4 chamber view: Seen

Outflow tracts

- Aorta arising from LV
- IVC and SVC entering RA
- PA arising from RV

Diaphragms: intact

ABDOMEN:

Abdominal situs

Umbilical cord: 3 vessels

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COLOUR DOPPLER STUDY

Vessels	PI	PI Percentile	Remarks
Right Uterine Artery	0.73	37.8	No early Diastolic notch seen
Left Uterine Artery	0.95	68.8	No early Diastolic notch seen
Ductus venosus shows forward flow			

Calculation of Age Adjusted Ultrasound Risk Assessment (Reference perinatology.com)

2 nd Trimester Aneuploidy Markers		
1	Intercardiac 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 Nusal bone	Absent
	Apriori Risk (From Maternal Age)	1 in 540.00
	LR Ratio	0.10
	Trisomy21 Risk	1 in 5,606.83

IMPRESSION: Single live fetus with an average gestational age corresponding to 20 weeks 5 day.

I Dr. JIGAR MAKWANA declare that while doing ultrasound on (pooja Sharma), I have neither detected nor revealed the sex of her fetus to anybody in any manner.

Note: Not all foetal anomalies are detectable on an ultrasound scan especially of the heart, face and limbs. Fetal echo is not a part of the study.

Dr. Jigar Makwana


DMRD DNB

Reg. No: 012709

FMF Id-302341

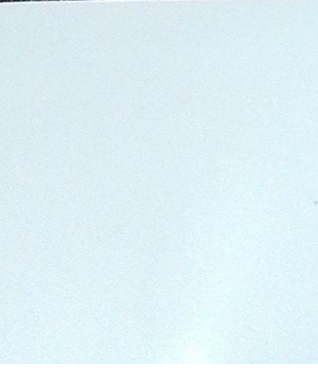
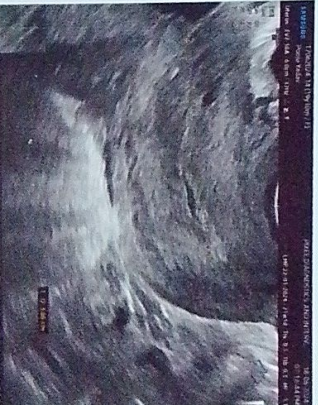
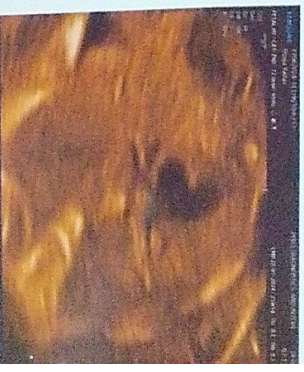
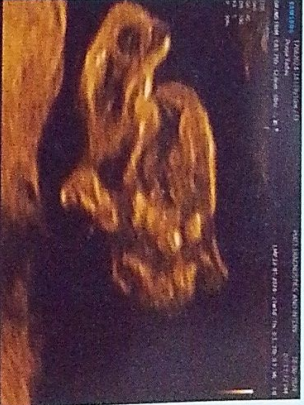
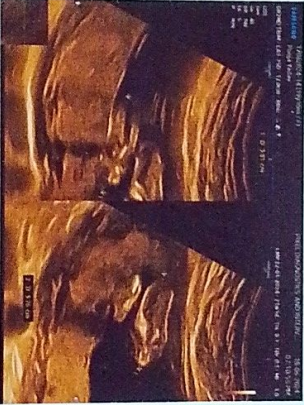
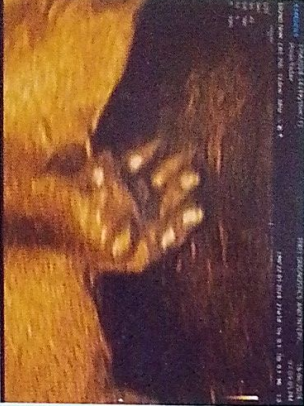
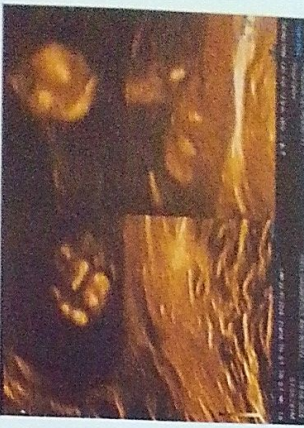
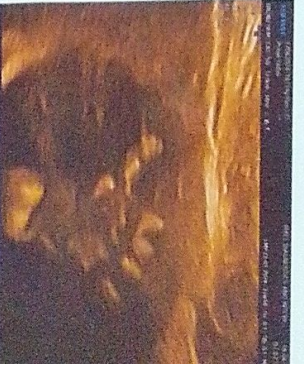
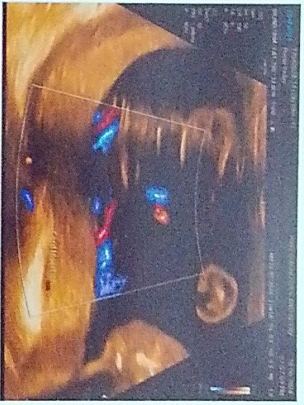
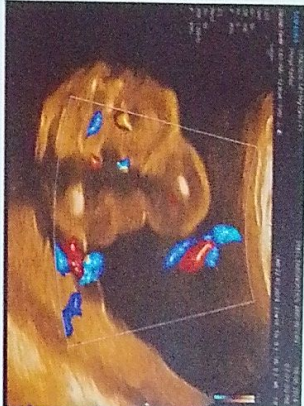
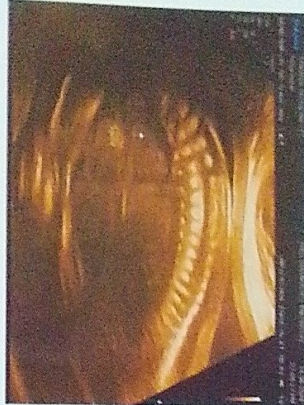
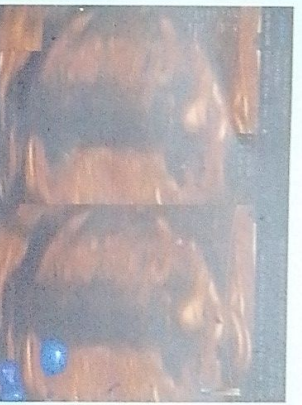
Consultant Radiologist

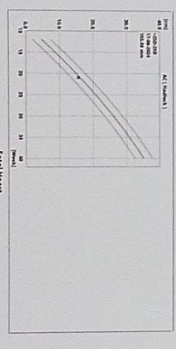
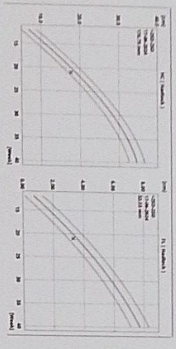
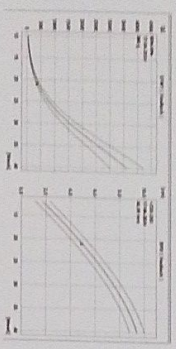
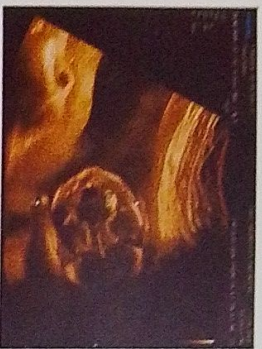
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Site	2.01 (cm)	2.01 (cm)	2.01 (cm)	2.01 (cm)	2.01 (cm)	2.01 (cm)
Component of Average	0.00	0.00	0.00	0.00	0.00	0.00
Strain	0.00	0.00	0.00	0.00	0.00	0.00
Strain Rate	0.00	0.00	0.00	0.00	0.00	0.00

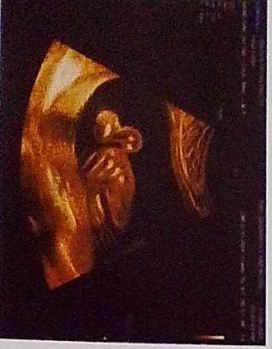


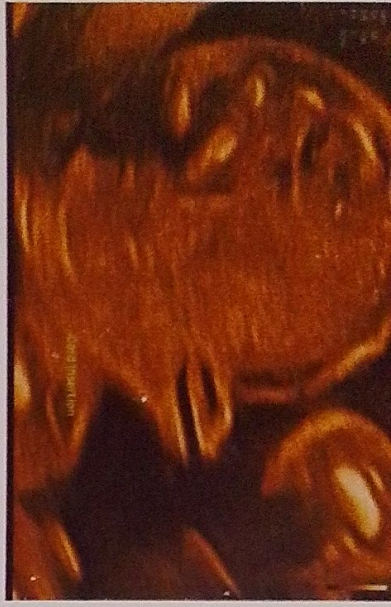
Table 1: Vessel Parameters

Site	2.01 (cm)	2.01 (cm)	2.01 (cm)	2.01 (cm)	2.01 (cm)	2.01 (cm)
Component of Average	0.00	0.00	0.00	0.00	0.00	0.00
Strain	0.00	0.00	0.00	0.00	0.00	0.00
Strain Rate	0.00	0.00	0.00	0.00	0.00	0.00

Table 2: Vessel Parameters

Site	2.01 (cm)	2.01 (cm)	2.01 (cm)	2.01 (cm)	2.01 (cm)	2.01 (cm)
Component of Average	0.00	0.00	0.00	0.00	0.00	0.00
Strain	0.00	0.00	0.00	0.00	0.00	0.00
Strain Rate	0.00	0.00	0.00	0.00	0.00	0.00





ID	1706202414	Name	Pooja Yadav
Date of Birth (Age)	01-08-2004 (19Y/10M)	Gender	F
Indication		Exam Date	17-06-2024
Diag. Physician	Dr. Jigar Makadia - Ref. Physician	Dr. Sharma Clin... Operator	

LMP	22-01-2024	GA(LMP)	21w0d	OB	28-10-2024	GraVIDa	Para
Composite GA Average	GA(ULMP)	20w5d	EDD(ULMP)	30-10-2024	Etropic	Aborta	
DOC	Hedrick	BPD HC AC FL	360 g 433 g	(1st)	20w4d	Hedrick	23.0%

BDP	48.88	mm	Last	20w4d (17w5d-22w4d)	Hedrick	41.3%	Hedrick
AC	158.88	mm	Last	20w4d (17w5d-22w4d)	Hedrick	34.8%	Hedrick
FL	33.03	mm	Last	20w4d (17w5d-22w4d)	Hedrick	3.9%	Hedrick
HC	176.75	mm	Last	20w4d (17w5d-21w4d)	Hedrick	10.8%	Hedrick

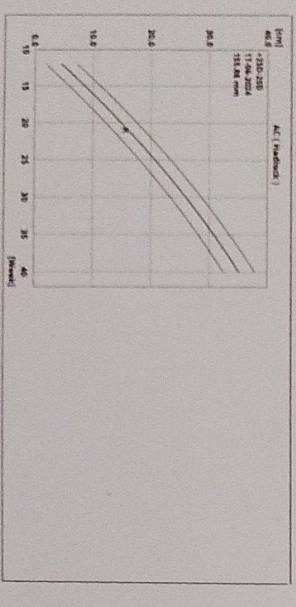
HUM	30.69	mm	Last	20w4d (17w5d-22w4d)	Jenny	18.4%	Jenny
RAO	27.81	mm	Last	20w4d	Jenny	31.2%	Jenny
ULNA	30.42	mm	Last	21w5d (18w2d-24w4d)	Jenny	44.0%	Jenny
TIB	29.92	mm	Last	20w4d	Jenny	67.7%	Jenny
Fetal Cranium				21w0d (18w1d-23w6d)	Jenny	33.4%	Jenny

NP	6.77	mm	Last	GA	GP	33.9%	Sonek
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GRAB	20.61	mm	Last	20w4d (17w5d-22w4d)	Chry	27.4%	Goldsstein
VA	4.72	mm	Last			28.1%	Nickolas
OGD	31.84	mm	Last	20w5d (17w6d-23w5d)	Jenny	14.9%	Hartmann
IOD	14.36	mm	Last			77.2%	Hartmann

2D Calculations	21.2	%	(20% - 24%)	Hedrick
FL/AC	67.4	%	(71% - 87%)	Hedrick
FL/HC	18.7	%	(13.7% - 22.5%)	Campbell
HC/AC	1.13		(1.06 - 1.25)	Campbell

Uterine A		Right	GP	Last	GP			
P5	83.75	cm/s	Last	100.60	cm/s	Last		
ED	41.33	cm/s	Last	39.15	cm/s	Last		
Tanax	58.25	cm/s	Last	64.45	cm/s	Last		
Tanax	27.56	cm/s	Last	25.09	cm/s	Last		
Pemax	2.81	mmHg	Last	4.26	mmHg	Last		
Pmax	1.42	mmHg	Last	1.78	mmHg	Last		
ACT	1.22	mm	Last	1.12	mm	Last		
PI	0.73		Last	0.8458	cm/s	Last		
PI	0.51		Last	0.95		Last		
PI/IO	2.03		Last	77.2%	Bahmann	58.2%	Bahmann	
PI/PS	0.49		Last	2.57		Last	53.2%	Bahmann



LMP	22-01-2024	GA(LMP)	21w0d	EDD(LMP)	28-10-2024	GraVIDa	Para
Composite GA Average	GA(ULMP)	20w5d	EDD(ULMP)	30-10-2024	Etropic	Aborta	
DOC							

Duct Venous							
S Vmax	-21.60	cm/s	Last				
D Vmax	-22.27	cm/s	Last				
A Vmax	-10.30	cm/s	Last				
Tanax	-18.21	cm/s	Last				



