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BELTOLA CENTRE
Survey, Ph. No. : 70020 55506

BASISTHA CHARALI CENTRE
Megha Plaza, Ph. No. : 70990 30599

SIXMILE CENTRE
V.I.P. Road, Ph. No. : 70990 30399

HATIGAON CENTRE
Ph. No. : 98646 60661

Referred by: DR. SANGEETA DAWKA SARMA, MD(O&G)

External ID 1:

22042025-40

Date 22-04-2025

SECOND TRIMESTER ANOMALY SCAN/ TIFFA SCAN

Patient: MRS MAUSUMI DAS 27 Y/F

Exam date: 22-04-2025

History
General G1 P0 L0 A0
History Menstrual History: Regular.
Type of Conception: Natural.
Significant medical history: None

Pregnancy Singleton pregnancy. Number of fetuses: 1

Dating	Date	Details	Gest. age	EDD
External assessment		As per CRL	20 w + 2 d	07-09-2025
U/S	22-04-2025	based upon BPD, HC, AC, Femur	20 w + 0 d	09-09-2025
Agreed dating	based on the external assessment (As per CRL)		20 w + 2 d	07-09-2025

General Evaluation
Cardiac activity present. FHR 146 bpm. **Fetal movements:** Present. **Presentation:** Variable
Placenta: Placenta is anterior, its inferior margin 51 mm from OS.
Umbilical cord: 3 vessel cord
Amniotic fluid: Normal amount, Largest pool 3.5 cm. AFI 11.9 cm. Q1 2.5 cm, Q2 3.5 cm, Q3 3.2 cm, Q4 2.7 cm

Fetal Biometry	BPD	48.6 mm		AC	149.2 mm	
	HC	179.5 mm		Femur	31.1 mm	
	Cerebellum tr	20.4 mm		Humerus	31.0 mm	
	Nuchal fold	3.4 mm		HC / AC	1.20	

Fetal Weight Calculation:

EFW	326 g		EFW by	Hadlock (BPD-HC-AC-FL)
EFW (lb,oz)	0 lb 11 oz			

Head / Face / Neck Biometry:

Va	3.4 mm		CM	5.3 mm	
Inner IOD	11.1 mm		Outer IOD	31.7 mm	
Nasal bone	7.1 mm				

Extremities / Bony Structures Biometry:

FL / BPD	0.64		FL / AC	0.21	
FL / HC	0.17				

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Fetal Anatomy

Head / Neck Cranium: Cranium is intact. Head shape: Head shape is normal. Lateral ventricles: Lateral Ventricles are normal. Choroid plexus: Choroid plexus normal in appearance. Midline falx: Midline falx appears normal. Cavum septi pellucidi: Cavum septi pellucidi normal in appearance. Cerebellum: Cerebellum are normal. Cisterna magna: cisterna magna are normal. Thalami: Thalami are normal.

Neck: No neck mass seen. No cystic hygroma seen. Nuchal fold: Nuchal fold is normal in thickness.

Face Nose: Nasal Bone Present

Lips: Lips are normal. Profile: Facial profile appears normal. Palate: Palate are normal. Orbits: Orbits are normal. Lens: Lenses are normal.

Heart / Thorax Heart: 4 Chamber view is normal. RVOT is normal. LVOT is normal

Thorax: Chest size and shape appear normal

Lungs are normal.

No evidence of diaphragmatic hernia seen.

No pleural effusion seen.

Abdomen Bladder: Urinary bladder is normal

Cord insertion site into fetal abdomen is normal.

Abdom. wall: Abdominal wall is intact. Stomach: Stomach is normal in position in left upper abdomen. Kidneys: Both kidneys are present, no pylectasis.. Gallbladder: Gall bladder is normal, seen on the right side..

Bowel: Bowel appear normal (not dilated or hyperechogenic).

Spine Spine:

Spine is normal. No spinal defects or masses seen on transverse or sagittal views.

Extremities / Skeleton Arms: All three segments of upper limbs including hands are present and show normal relationship.. Legs: All three segments of lower limbs including feet are present and show normal relationship.. Position of joints: Normal joint position seen. All the long bones appear normal in length and morphology. .

Fetal Echo-cardiography

Abdominal Situs: Normal

Cardiac size: Normal. No cardiomegaly

Cardiac position and Axis: Normal. Levocardia with apex pointing towards left.

4 CHAMBER VIEW:

ATRIA: RA and LA are normal in size and morphology. Pulmonary veins are normally opening into LA.

SEPTUM PRIMUM: Appears normal

FORAMEN OVALE FLAP: Opening toward LA

VENTRICLES: RV and LV are normal in size and morphology. Moderator band is seen at the apex of RV. LV is seen to form the apex of the heart.

INTERVENTRICULAR SEPTUM: Appears normal.

ATRIOVENTRICULAR CONCORDANCE: Maintained.

AV VALVES: Tricuspid and Mitral valves are patent and show normal excursion in systole and diastole. No thickening of valve leaflet seen.

AV VALVE OFFSET: Present.

CRUX: Appears normal.

OUTFLOW TRACTS:

VENTRICULOARTERIAL CONCORDANCE: Maintained

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RVOT: Appears normal. Main Pulmonary artery, RPA and LPA are normal in caliber.

Pulmonary valve appears normal.

LVOT: Appears normal. Aortic root and ascending aorta are normal in caliber. Aortic valve appears normal.

3 VESSEL VIEW: Normal spatial relationship of great vessels seen. MPA, Aorta and SVC caliber appear normal.

3 VESSEL TRACHEA VIEW: The Aortic arch and Ductal arch are normal in caliber and seen to converge towards Left side of Trachea.

COLOUR DOPPLER STUDY:

Normal flow seen across the AV valves. No regurgitation seen.

Normal flow seen across the outflow tracts. No regurgitation or colour aliasing seen at Aortic and Pulmonary valves.

Normal forward flow seen at Aortic and Ductal arches.

RSA is normal in origin.

SPECTRAL DOPPLER:

No tricuspid regurgitation seen. E/A ratio is normal.

Fetal Doppler

Umbilical Artery:

PI 1.21
RI 0.74
PS 38.67 cm/s
ED 10.15 cm/s

TAmix 23.51 cm/s
TAmix 11.57 cm/s
MD 10.15 cm/s
S / D 3.81

Maternal Doppler

Right uterine artery:

PI 0.97
RI 0.58
PS 59.82 cm/s
ED 25.02 cm/s

TAmix 36.01 cm/s
TAmix 17.66 cm/s
MD 25.02 cm/s
S / D 2.39

Left uterine artery:

PI 0.62
RI 0.44
PS 106.83 cm/s
ED 59.94 cm/s
Mean PI 0.80

TAmix 75.94 cm/s
TAmix 39.42 cm/s
MD 59.94 cm/s
S / D 1.78

Impression: Normal Doppler parameters.

No Uteroplacental or Fetoplacental insufficiency seen.

Maternal Structures

Cervix Cervical length 43.6 mm

Impression

NO STRUCTURAL ANOMALY SEEN IN THE PRESENT SCAN.

DISCLAIMER/ DECLARATION

All fetal anomalies may not be detected by ultrasound. Some of the anomalies are evolving anomalies which may not reveal themselves before a particular period of gestation.

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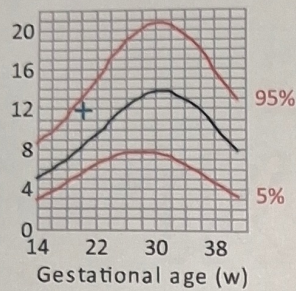
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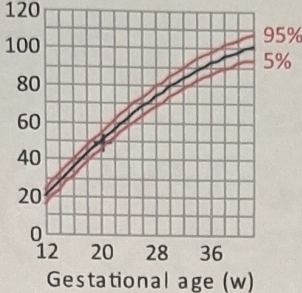
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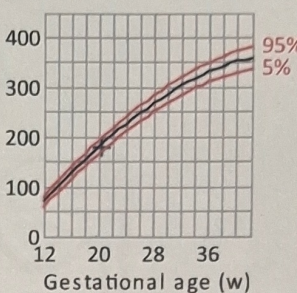
Amniotic Fluid Index (cm)



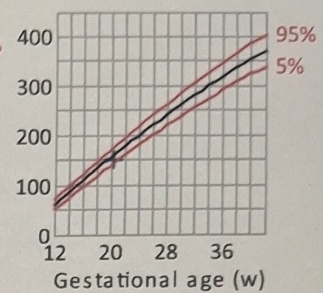
Biparietal diameter (mm)



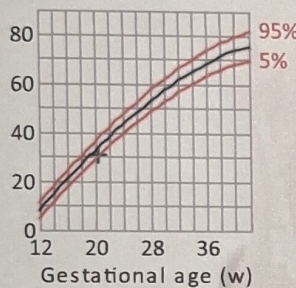
Head circumference (mm)



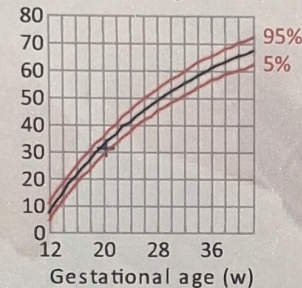
AC (mm)



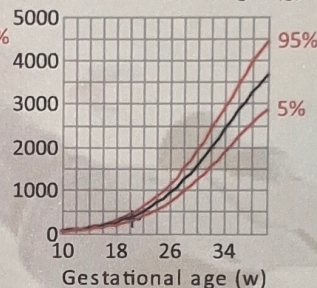
Femur length (mm)



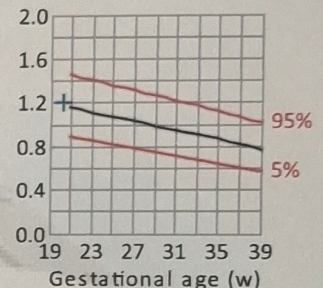
Humerus length (mm)



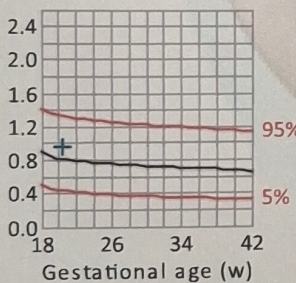
Estimated fetal weight (g)



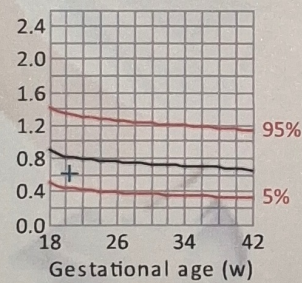
Umbilical A PI



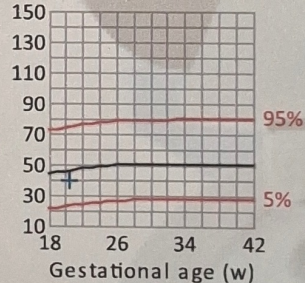
Rt uterine A PI



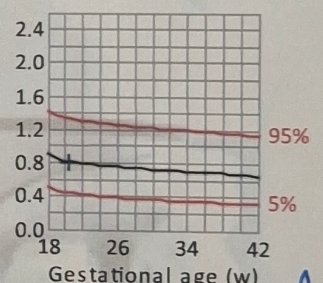
Lt uterine A PI



Lt uterine A Tmean (cm/s)

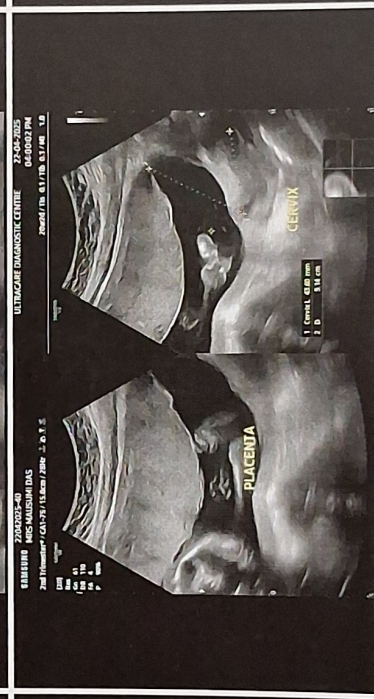
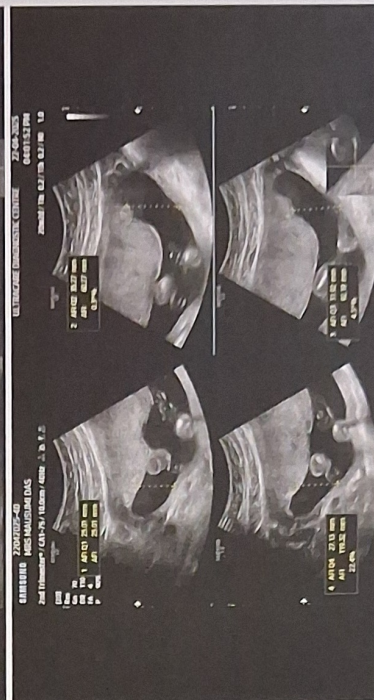


Uterine artery mean PI



DR RUBY BURAGOHAIN
DMRD, Trained in Fetal Medicine (Scholar MD)
Performing physician

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