

(A UNIT OF INDRAYANI SPECIALITY HOSPITAL)

Name	Mrs Shalini Samundre 28 Years, F
Referred by	Dr Rucha Changale
Date	19.10.2023

Ultrasound Scan of Pregnancy

G2P1L1, Spontaneous conception. Non-consanguineous marriage.

EDD - 25.03.2024

Cycle-R

GA : 17 wks + 3 days

USG Findings:

View: Extremely restricted

Petal Heart Activity - Visualised, normal	FHR 156 BPM
Petal Movements - normal	Situs - normal
Presentation - variable lie	Amniotic Fluid - normal
Placenta - Posterior	Placental Grade - 0

Biometry:

Report attached

General aspects:

- Cervical length is approx. 39 mm on TAS, Internal os closed.
- Umbilical Cord is three vessel, one vein and two arteries. Liquor amnii is adequate.

Anatomical Survey:

Head and Brain

- Normal shape and intact cranium. Both lateral ventricles normally oriented without dilatation. Bilateral choroid plexuses are normal. Midline falx and Cavum septipellucidum seen. Both thalami normal. Aqueduct appears normal.
- Corpus callosum, major fissures and cerebellar vermis can not be commented upon at present gestation.
- Both cerebellar hemispheres show normal morphology. Fourth ventricle appears normal. Cisterna Magna is normal.

TCD	18.2 mm	CM	4.2 mm	NFT	3.51mm
Ventricle Rt	3.51 mm			Ventricle Lt	5.1 mm

Neck

- No mass or collection seen.

Face

- Both lips are normal. Normal bilateral nostrils seen. Median facial profile is normal with normal mandibular and maxillary echoes. Nasal bones visualized and appear normal. Both orbits are symmetrical and intact.

Thorax

- Thoracic shape is regular with normally ossified and oriented ribs. Both lungs homogenous without any distortion or mass. Normal diaphragmatic interface seen in coronal and sagittal views.

Heart

- Normal size, shape, position and axis. Normal sized proportionate four chambers with levocardia. Moderator band identified in right ventricle. Atrio-ventricular concordance noted. Ventriculo-arterial concordance noted. RVOT and LVOT are normal with normal relative position.
- Three vessel view shows normal anatomical positions and normal relative sizes of Pulmonary artery, aorta and Superior Vena Cava. Three vessel trachea view shows normal relations of great vessels and trachea with unidirectional forward flow in Aorta and Pulmonary artery.
- Heart rate recorded at 156 BPM with normal rhythm.

Spine

- Longitudinal and axial views show normal morphology and orientation. Overlying skin is intact.

Abdominal wall

- Appears normal with normal cord insertion.

GIT

- Stomach present in left upper quadrant with normal sonomorphology. Gall bladder seen in right upper quadrant.

Urinary Tract

- Both kidneys are normal without evidence of dilated pelvis.

- Urinary bladder appears normal. Anal complex is normal.

Renal pelvis Right-	2.5 mm	Renal pelvis left-	2.4 mm
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Extremities

- All four limbs seen and show normal sonomorphology and proportions.
- Orientation of hands and feet relative to forearms and leg normal.

Soft Marker	Comment
Cardiac Echogenic Focus	Not seen
Lateral ventricle Diameter	Normal
Nuchal fold	Normal
Bowel	Not echogenic
Hydronephrosis	Not present
Humerus	Not short
Femur	Not short
ARSA	Absent
Nasal Bone	4 mm Normal for GA
Combined 2 nd Trimester markers LR	0.13

Doppler Indices

Vessel	PI	Remark
Ductus Venosus	0.80	Normal
Right Uterine Artery	1	Mean PI 1 WNL
Left Uterine Artery	1	

Impression:

- No obvious fetal defects
- Normal uterine artery Doppler
- Normal cervical length

Comments:

The EDD assigned i.e. 25/03/2024 in the first trimester scan has been considered. Fetal growth and amniotic fluid are normal. There are no obvious structural defects or significant markers for chromosomal abnormalities. Fetal cardiac scan showed a normally connected heart with no obvious defects and normal flow patterns.

As the mother has not done any first trimester screening, the mother has the option of Quadruple test.

The uterine artery Doppler and cervical length (39 mm on TAS) are normal.

The placenta is on the posterior wall of the uterus, the lower edge of the placenta is well away from the internal os

Recommendation- Fetal ECHO at 24 weeks

Please note:

1) All anomalies can not be ruled out on ultrasound due to mechanical limitations, maternal factors like amount of liquor, obesity, previous scar, advanced gestational age-etc. Fetal conditions like multiple pregnancies, fetal positions, late appearance of few anomalies etc.

2) Some organs are not routinely examined during anomaly scan as per standard guidelines.

3) Absence of anomaly on sonography does not absolutely rule out the possibility of having one.

4) For detailed evaluation of foetal heart, separate fetal echo study is required.

DR. PRIYA SAHU
MBBS, MS(Obgy)
Reg. No. 2021/03/1192
I declare that while conducting ultrasonography/ image scanning on _____, I have neither detected nor disclosed the sex of her fetus to anybody in _____ manner.

Reg No-2021/03/1192

FMF ID-208101



Obstetrics Report

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NEOBLISS(Indrayani speciality)

Date of Exam: 19.10.2023

Obstetrics Report

Patient / Exam Information

Patient ID PS150
Name Shalini Samundre
DOB, Age 10.07.1995, 28
Sex Female

Gravida
Para
AB
Ectopic
Fetus 1

EDD

25.03.2024

GA(EDD)

17w3d

LMP

DOC

GA(AUA) 18w1d
EDD(AUA) 20.03.2024

Sonographer

Perf. Phys.
Comment

Ref. Phys.
Indication

EFW (Hadlock)	Value	Range	Age	Range	GP (Hadlock)
	227g	± 33g	18w1d		85.4%

AC/BPD/FL/HC

2D Measurements	AUA	Value	m1	m2	m3	Meth.	GP	GA
BPD (Hadlock)	☒	4.07 cm	4.24	4.07		last	86.2%	18w2d
OFD (HC)	☒	5.43 cm	5.36	5.43		last	77.0%	18w1d
HC (Hadlock)	☒	15.10 cm	15.16	15.10		last	73.9%	18w1d
HC* (Hadlock)	☐	15.00 cm	15.13	15.00		last	64.6%	17w6d
AC (Hadlock)	☒	12.23 cm	12.23			last	80.8%	18w3d
FL (Hadlock)	☒	2.76 cm	2.76			avg.	78.0%	18w0d
Cereb (Hill)	☐	1.82 cm	1.82	1.81		avg.		
CM		4.20 mm	4.36	4.03		avg.		
Vp		5.99 mm	5.99			avg.		
NF		3.51 mm	3.61	3.40		avg.	2.5%	
NBL (Sonek)		3.87 mm	3.55	3.97	4.08	avg.		

2D Measurements	Value	m1	m2	m3	m4	m5	m6	Meth.
Uterus	3.91 cm	3.91						avg.
Cervix Length								

2D Calculations	Range
CI (BPD/OFD)	75% (70 - 86%)
FL/AC	23% (20 - 24%)
FL/BPD	68% (GA: OOR)
FL/HC (Hadlock)	0.18 (0.15 - 0.18)
HC/AC (Campbell)	1.23 (1.07 - 1.29)

Name Shalini Samundre

Patient ID: PS150

Doppler Measurements	Value	m1	m2	m3	m4	m5	m6	Meth.
Left Uterine								
PS	64.74 cm/s	64.74						
ED	23.63 cm/s	23.63						max
TAmx	38.67 cm/s	38.67						max
MD	23.63 cm/s	23.63						max
RI	0.64	0.64						max
PI	1.06	1.06						avg.
S/D	2.74	2.74						avg.
HR	69 bpm	69						avg.
Right Uterine								
PS	30.48 cm/s	30.48						
ED	12.64 cm/s	12.64						max
TAmx	18.14 cm/s	18.14						max
MD	12.27 cm/s	12.27						max
RI	0.59	0.59						max
PI	0.98	0.98						avg.
S/D	2.41	2.41						avg.
HR	68 bpm	68						avg.
								max

21/11/23

Graph

