

Patient Name: Nidhi / 2272 / M.S. / 14.yr

Date: 20/2/23

Age:

Primigravida

MP: 24/9/22/99

P/A: 200k

EDD = 1/7/23

(R)
EB (F)

BD = 22+3

wt: 48kg

(R) 77,

ad
Anomaly 1/860
+

2

ct Haemoglobin & Col/um
Supplements.

21/3/23: Anomaly scan: ANC, soft echogenic focus in
Heart.

ad: Quadruplo marker

सोमवार ले शनिवार वैक्त: दृश्यते 2.00 ते 5.00 पर्यंत

पत्ता: भुलचंदाळी कॉम्प्लेक्स, लक्ष्मी गंगा पूजारी जवळ, चुना वसा स्टॅन्ड, राजगड.

Name :- Mrs. Nidhi Jitu Durge

Age /sex :- 22 Yrs/ F

Ref by:- Dr. Mrs. Shweta Gedam, MBBS MS DGO

Date:- 01/03/2023

USG OBS -4D Anomaly Scan(Level III)/TIFFA scan

The Study done on GE Voluson S8 Core 4D Color Doppler System

IMAGING FINDINGS:

LMP :- 24/10/2022 GA BY LMP 18WK 2D EDD BY LMP 31/07/2023

Real-time B mode Ultrasonography of gravid uterus reveals

Single live intrauterine foetus is seen

Presentation VARIABLE .

The foetal measurements are

BPD 42.6mm	OFD 54.1mm	HC 155.1 mm
AC 129.2 mm	TAD 41.1mm	APAD 40.9mm
<u>RLL</u> - FL 26.8 mm	TIB 21.2 mm	FIB 22.7 mm
<u>RUL</u> - HUM 25.8mm	RAD 20.4 mm	Ulna 23.0mm
<u>LLL</u> - FL 26.2 mm	TIB 20.8 mm	FIB 22.1mm
<u>LUL</u> - HUM 25.4mm	RAD 19.9mm	Ulna 22.7mm
Cerebellum 19.2 mm	CM 2.01mm	HEM 20.55mm
Va 5.25 mm	Vp 4.81 mm	Clavicle 18.0 mm
IOD 11.8mm	BOD 2.87mm	NF 1.68mm
C.S.P. 3.25 mm	Foot length 28.5 mm	Ear 13.2 mm

These correspond to average gestational age of 18 wks and 2 days, approximately corresponding to the period of amenorrhea . EDD by USG is 31/07/2023

Foetal weight is 236 g +/- 34 g. FHR regular and 154 beats /min

Placenta is Fundal and upper segment with grade I maturity. The maximum thickness of the placenta is 2.27 cm. No obvious intra /retro placental collection is seen. No obvious calcification is seen. No obvious placenta previa / abruptio placentae is seen. **Central umbilical cord insertion is seen.**

Amniotic fluid is adequate for gestational age. The largest amniotic fluid pocket measures 4.93 cm.

Head :-

Cerebellum appears normal. Both cerebellar hemisphere is normal. The vermis is normal in size. No obvious hypoplasia of the vermis is seen.

The ventricles are normal. No obvious dilatation of the ventricles are seen.

The choroid plexus is normal in sonic appearance. No obvious Choroid plexus cyst is seen

The Cavum septum pellucidum appears normal.

Posterior fossa structures are normal.

No obvious dilatation of the third and fourth ventricle is seen.

The Cisterna magna appears normal

Both cerebral hemisphere are normal. The corpus callosum is normal. No obvious focal lesion is seen in the cerebral hemisphere.

Face:- Both orbits are seen with lenses. Pre-maxillary triangle seen.

No e/o cleft lip/ palate. The facial profile is normal.

Nasal bone is seen. Nasal Bone measures 6.8 mm. BPD/Nasal bone ratio is 6.26 (Normal)

Neck :- No obvious neck swelling is seen. Foetal neck appears normal.

Thorax :-

Both lungs are normal hyperechoic in texture. No obvious abnormality is seen within.

No pleural effusion /pericardial effusion is seen. The diaphragm is well seen and appears normal.

The normal continuity of the diaphragm is preserved. No obvious hernia is seen.

Heart :-

Four chamber heart present. No obvious enlargement of particular chamber is seen.

The cardiothoracic ration appears to be maintained.

Heart axis is normal . The IVS is intact. **Soft echogenic focus is seen in the left ventricle (soft marker).** The outflow tract are normal. The 'sign of 100' is maintained. No obvious muscle bulge is seen. Cardiac rhythm is normal.

Abdomen:-

Normal Situs is seen.

The stomach is well distended and appears normal, measures about 1.47X0.71 cm.

The bowel appears normal.

The liver and spleen are in normal position. No obvious sonic abnormality is seen.

Both kidneys are in normal position and sonic appearance. RK measures about 1.77X0.93 cm and LK measures about 1.75X1.01 cm. No obvious calyctasis is seen. The Corticomedullary differentiation is well preserved. No obvious increased echogenicity is seen in both kidney. No obvious cysts are seen within. The urinary bladder is well distended and appears normal.

The aorta and IVC are normal in course and caliber.

The anterior abdominal wall is normal. No obvious hernia / breech is seen in the present scan.

No obvious umbilical hernia is seen.

The three vessels cord is seen.

Spine :-

The parasagittal view shows integrity of the skin covering the spine.
The three primary ossification centers are visualized.
The coronal view shows a normal rail track appearance of ossification center. There is no divergence of ossification center seen in the transverse plane.
Normal obvious widening of upper cervical spine is seen.

Limb :-

Both upper limbs are normal. Fingers are normal. All the long bones of the upper limb are seen. no obvious fracture is seen.
Both the lower limbs are normal. All long bones are normal. The feet are normal. No obvious club foot is seen. The limb movement is well seen.

The color Doppler parameters are

	PI	RI	S/D
UA	1.48	0.78	4.60
MCA	1.58	0.78	4.78
AORTA	2.28	0.89	8.98
RUA	0.98	0.62	2.62
LUA	0.84	0.56	2.25
	DV-PI	DV-PLI	DV-S/a
DV	1.09	0.79	4.86

The PI of MCA/UA ratio is 1.06

The PI in the MCA/mean PI uterine artery is 1.73

Both uterine arteries shows adequate flow. No evidence of diastolic notch is seen.

The S/D ratio in the UA is within normal limits. No obvious reversal /reduced diastolic flow is seen in the umbilical artery .

The DV shows normal flow and no flow reversal of 'a' wave is seen.

The RI in the MCA is within normal limits.

No obvious foetal circulation compromise is seen in the present scan.

Name: NIDHI JITU DURGE

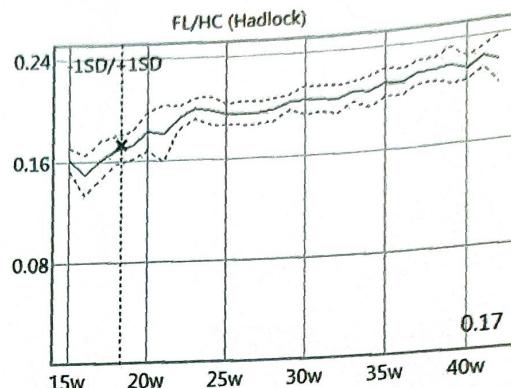
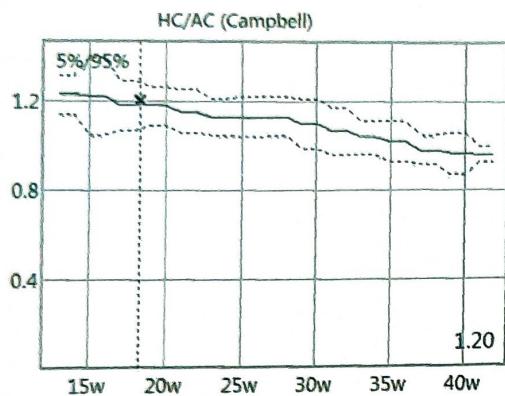
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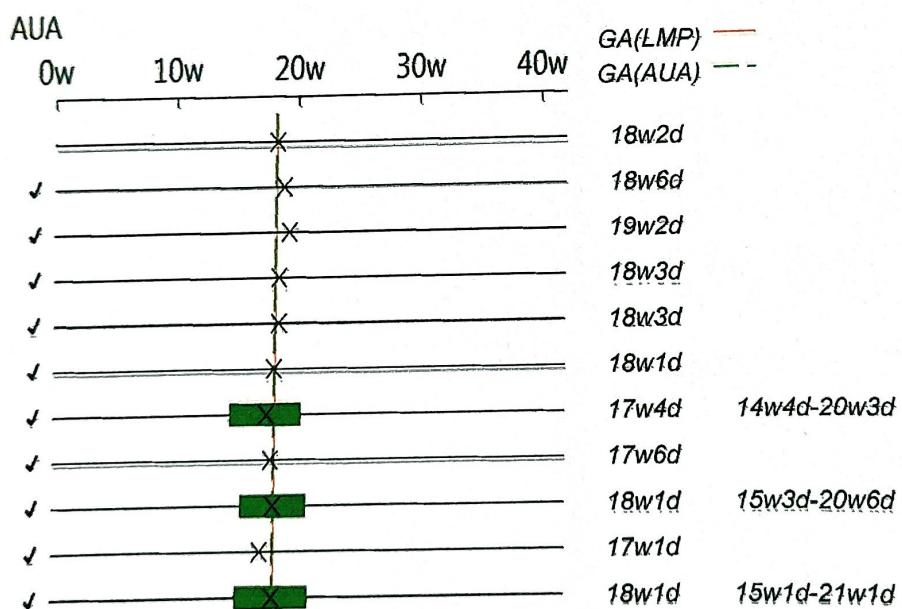
GA Reference: GA(LMP)

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Graph



Dr. Abhay V. Berkar
Reg. No. 01.03.2023 2:34:00 PM
Ameya Diagnostic Centre

