



YASHDEEP ULTRASOUND & COLOR DOPPLER CENTRE

Whole Body 3D-4D Color Doppler Ultrasound

MCI Reg. No. 25100



Established By :

Prof. P. K. Srivastava

M.B.B.S., M.D. (Radiology), FICR, FIGMU

Ex. Professor, Dept. of Radiodiagnosis, KGMU Lucknow

Fellow in Ultrasound :

UNIVERSITY OF CALIFORNIA SAN FRANCISCO (UCSF) USA

UNIVERSITY OF CALIFORNIA LOS ANGELES (UCLA) USA

AWARDS : Recipient of

"Award of Excellence" in teaching in Golden Jubilee Celeb. of MLB Medical Coll., Jhansi- Dec. 2018

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CHAIRMAN : Ultrasound Education and Research FoundationThursday 23rd December 2021**SONOGRAPHIC FINDINGS****MRS. MADHU SINGH****DR. SUMITA VERMA MBBS MS****PREGNANCY TIFA DOPPLER WITH FETAL ECHO****AGE: 29YRS****SEX: F**

High-resolution sonography with targeted imaging for fetal anomaly (TIFA) and fetal echo have been done for evaluation of pregnancy.

A single fetus is seen in amniotic cavity in breech presentation at the time of study. Fetal cardiac activity is present. Fetal movements are present. **Fetal heart rate** is 141B/minute. **Fetal age parameters correspond to 20Wks 3days of gestational age**, which correspond to period of Lmp. **Fetal nasal bone** is seen with bright echogenic line. **Fetal nasal bone** is 4.2mm in length. **Fetal nuchal skin fold** thickness is 2.1mm. Fetal head, spine and trunk appear to be normal.

YASHDEEP ULTRASOUND CENTER								Date of Exam: 23.12.2021	Page: 1 / 16
Name: MRS MADHU SINGH 29Y/FE Put ID: PREG TIFFA ECHO MADHU				DOB Perf. Phys.	Ref. Phys.	Sex: Female	Exam Type:		
Indication:									
LMP	26.07.2021	GA(LMP)	21w3d	EDD(LMP)	02.05.2022	G	Ab.		
DOC		GA(AUA)	20w3d	EDD(AUA)	09.05.2022	P	Ee		
EFW(Hadlock)		Value	Range	Age	Range	GP	Hadlock		
AC/BPD/FL/HC		330g	± 48g	20w0d					3.6%
2D Measurements	AUA	Value	m1	m2	m3	Meth.	GP	Age	
BPD (Hadlock)	✓	4.87 cm	4.87			avg.	•	21.6%	20w5d
HC (Hadlock)	✓	19.16 cm	19.16			avg.	•	38.9%	21w3d
AC (Hadlock)	✓	14.45 cm	14.45			avg.	•	5.3%	19w5d
FL (Hadlock)	✓	3.22 cm	3.22			avg.	•	6.3%	20w0d
2D Measurements		Value	m1	m2	m3	m4	m5	m6	Meth.
4CV Global SI									
4CV Length ED		31.30 mm	35.74	29.38	28.77				
4CV Trv. Width ED		19.49 mm	15.34	23.64					avg.
4CV Global SI		1.61	2.33	1.24					avg.
4CV AREA (2D ist)		479.07 mm ²	430.60	545.49					



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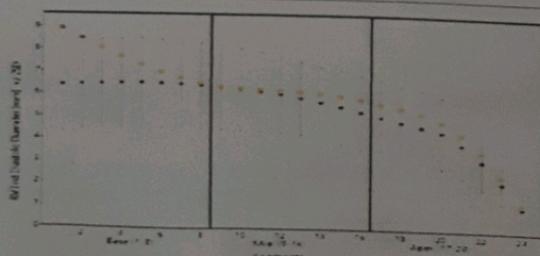
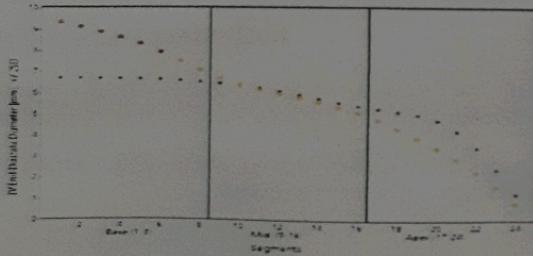
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Ex-PRESIDENT : IRIA UP State Branch Year 2007-2008**Ex-PRESIDENT : Indian Federation of Ultrasound in Medicine and Biology IFUMB Year 2005-06****CHAIRMAN : Ultrasound Education and Research Foundation****Thursday 23rd December 2021****-2-****Fetal Echo:**

Fetal four-chamber view of the heart is normal in appearance. The Rt and Lt outflow tracts appear to be normal. The cardiac axis is 36.1°, which is within normal limits. The Rt atrium, Rt ventricular ratio is 1:1 and Lt atrium and Lt ventricular ratio is 1:1, which is within normal limits. Three vessels view of heart is normal. The crux of the heart is normal. The mitral valve and tricuspid valve insertion is normal. Fetal aorta shows normal shape and fetal ductus arteriosus is normal in appearance. Venous connection is normal in appearance. **On fetal HQ, normal ventricular contractility is seen in Rt and Lt ventricles. No suggestion of ventricular strain is seen. The 'Z' score is within normal limits.**

Measurement	Value	Left Ventricle			Right Ventricle			Z-Score Basis: Avg. GA
		Z-Score	3/97 %	Value	Z-Score	3/97 %		
EDV	0.420 ml	-0.71	23.98%					
ED (Segment 1)	9.32 mm	4.35	100.00	8.91 mm	2.40	99.18		
ED (Segment 2)	9.10 mm	4.10	100.00	8.48 mm	2.05	98.00		
ED (Segment 3)	8.88 mm	3.77	99.99	8.06 mm	1.61	94.57		
ED (Segment 4)	8.62 mm	3.34	99.96	7.66 mm	1.18	88.13		
ED (Segment 5)	8.31 mm	2.86	99.79	7.29 mm	0.81	78.96		
ED (Segment 6)	7.92 mm	2.28	98.86	6.97 mm	0.51	69.43		
ED (Segment 7)	7.49 mm	1.57	94.18	6.70 mm	0.28	60.94		
ED (Segment 8)	7.06 mm	0.90	81.67	6.49 mm	0.12	54.80		
ED (Segment 9)	6.68 mm	0.38	64.82	6.35 mm	0.04	51.57		
ED (Segment 10)	6.37 mm	0.07	52.82	6.27 mm	0.04	51.42		
ED (Segment 11)	6.13 mm	-0.08	46.87	6.23 mm	0.10	53.93		
ED (Segment 12)	5.93 mm	-0.14	44.60	6.20 mm	0.21	58.35		
ED (Segment 13)	5.74 mm	-0.15	43.90	6.16 mm	0.35	63.74		
ED (Segment 14)	5.54 mm	-0.17	43.15	6.09 mm	0.49	68.84		
ED (Segment 15)	5.31 mm	-0.22	41.32	5.98 mm	0.57	71.48		
ED (Segment 16)	5.02 mm	-0.33	37.18	5.84 mm	0.65	74.25		
ED (Segment 17)	4.68 mm	-0.53	29.96	5.67 mm	0.69	75.59		
ED (Segment 18)	4.28 mm	-0.81	20.85	5.50 mm	0.76	77.62		
ED (Segment 19)	3.84 mm	-1.10	13.54	5.27 mm	0.70	75.92		
ED (Segment 20)	3.37 mm	-1.36	8.77	4.92 mm	0.59	72.11		
ED (Segment 21)	2.85 mm	-1.52	6.47	4.38 mm	0.59	72.37		
ED (Segment 22)	2.25 mm	-1.59	6.64	3.56 mm	0.60	72.52		
ED (Segment 23)	1.56 mm	-1.63	5.14	2.51 mm	0.60	72.61		
ED (Segment 24)	0.80 mm	-1.65	4.97	1.30 mm	0.60	72.67		

24-Segment Ventricular Analysis





C-212, Nirala Nagar, Near Patel Park,
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pks_yash@yahoo.co.in
Website: www.yashdeepultrasound.in

PCPNDT Reg. No. AAP-Auth/22/2002

Time :
Weekdays : 9:00 am to 1:00 pm
 : 3:00 pm to 5:00 pm
Sunday : 9:00 am to 2:00 pm

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Fetal head shows normal trans thalamic, trans cerebellar and trans ventricular view. Ventricles are not dilated. Cisterna magna is normal. No focal mass is seen.

Fetal thorax shows normal echogenic lungs. No mass is seen in the lungs. Fetal abdomen shows normal great vessels. The stomach is well distended.

Fetal renal shadows are seen on both sides. No evidence of any dilated renal pelvis or obstructive uropathy seen on either side. No evidence of any pelvic calyceal system dilatation is seen on either side. **Fetal UB** is seen distended.

Fetal liver and spleen shadows are normal. **Fetal spine** appears to be normal. The spine is seen in longitudinal, transverse and coronal plains. **Fetal limbs** appear to be normal.

Placenta is posterior, mid cavity and away from the OS. It is Grade I maturity. **Amniotic fluid volume index is adequate. AFI is 9, which is within normal limits.**

Both uterine arteries are well visualized. No notching is seen in them.

INFERENCES:

VIABLE INTRA UTERINE PREGNANCY OF 20WKS 3DAYS ± 1 WK OF GESTATIONAL AGE WITH POSTERIOR, MID CAVITY AND GRADE I MATURITY PLACENTA AWAY FROM THE OS WITH NORMAL UTERINE ARTERY DOPPLER.

ADV. FURTHER EVALUATION.

NOTE: ULTRASOUND CANNOT DETECT ALL THE FETAL ANOMALY. SENSITIVITY AND ACCURACY OF ULTRASOUND IN THE DETECTION OF FETAL ANOMALIES IS AROUND 80%.

I declare that while conducting ultrasonography/image scanning, I have neither detected nor disclosed the sex of the foetus to anybody in any manner.

Radiologist
Dr. P.K. Srivastava

Thanks for referring your patient to "Yashdeep"

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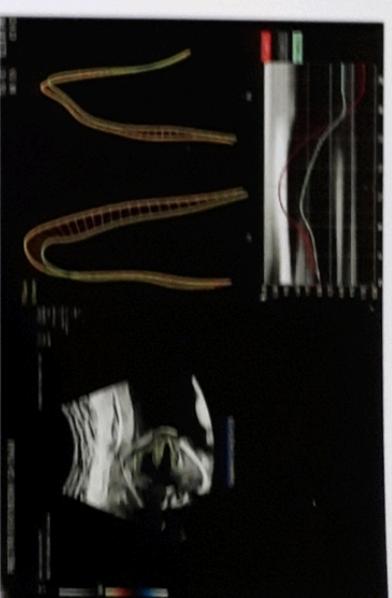
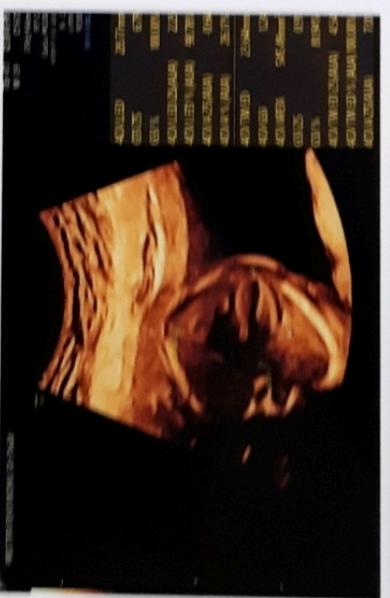
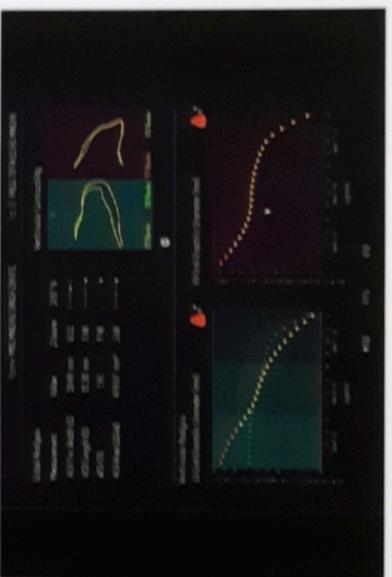
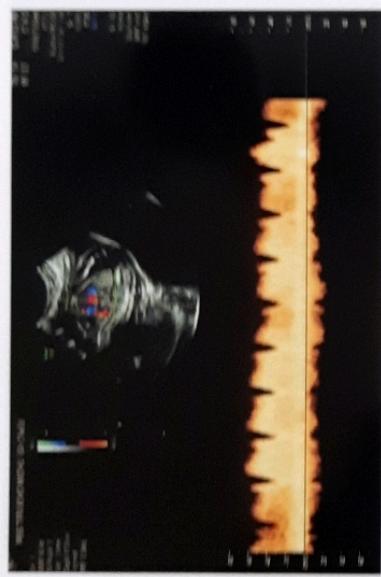
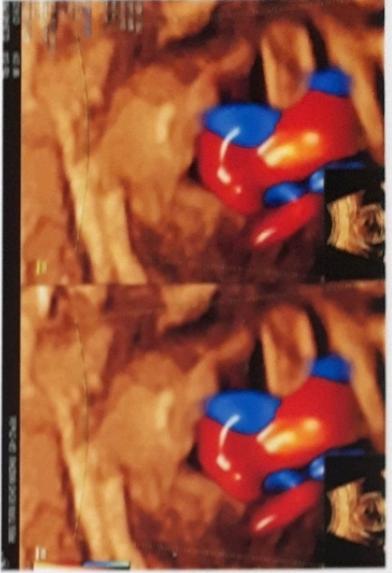


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FETAL ECHO WITH TIFFA DOPPLER

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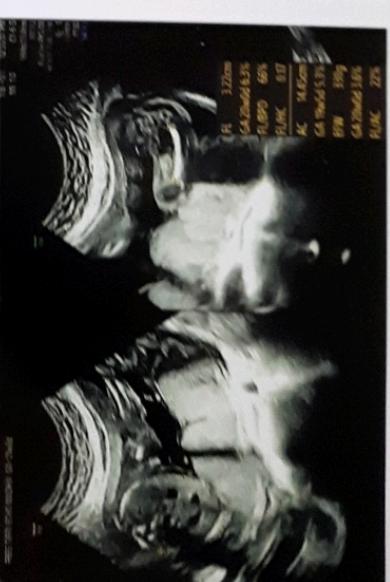
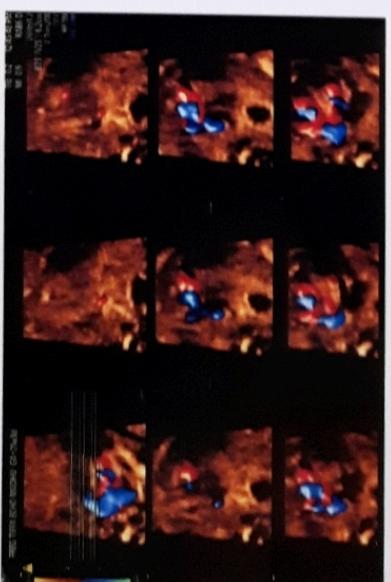
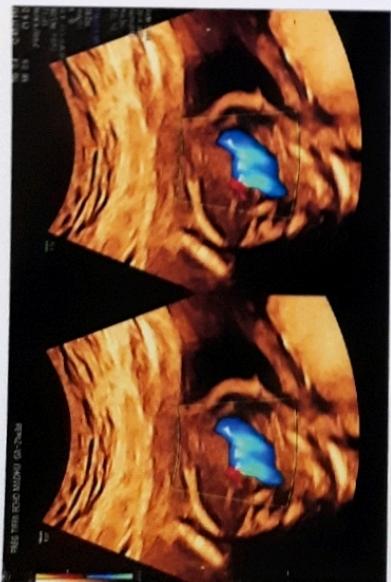
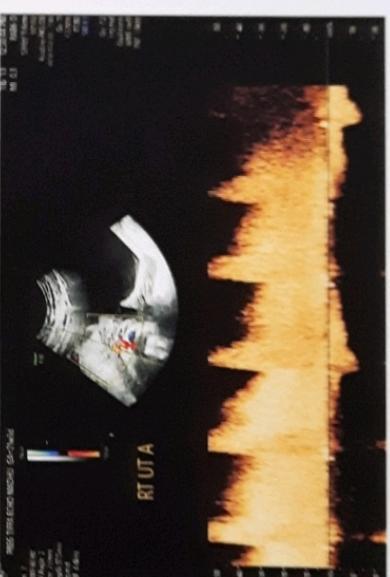
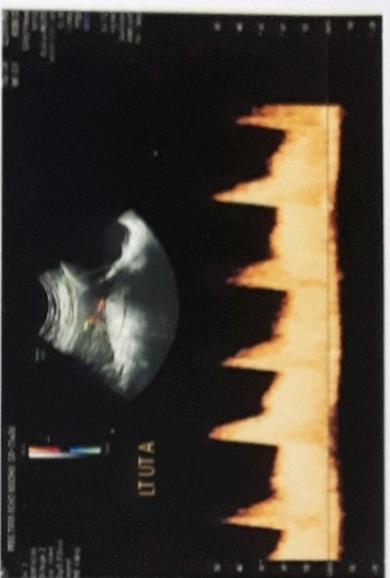


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