

5/9/2024

Quadruple Marker

DOB - 17/5/1988

LMP - 16/04/2024

Height - 5 feet

Weight - 65.7 kg

Name - Rekha Singh

Age - 35 y/f

24 24 19 74



श्री डायग्नोस्टिक सेन्टर

MIRACLE COMPLEX, BUS STAND, DURG (C.G.) PH. : 0788-4040925, Mob. : 6260752008

Pt.'s Name : MRS. REKHA SINGH
Age/Sex : 35 / FEMALE
Ref By : DR. MANASI GULATI
Date : 05.09.2024
Regd. No. : 195324
REPORT PREPARED BY: P.K. REENA

USG OBSTETRICS WITH ANOMALY SCAN

LMP: 16.04.2024.

- Twin, live, Mono-chorionic Di-amniotic intrauterine gestation sac seen in utero at time of study.
- Thin inter twin membrane is seen.
- Cervical length: 3.8 cm.
- Placenta: Single placenta for both fetuses - Anterior right lateral, Grade-I.
- Bilateral uterine arteries shows normal wave form.

FOETUS A: Towards maternal right.

- Presentation: Cephalic Position.
- Liquor is decreased in amount (AFI: 6-8 cm).
- Note is made of single umbilical artery.
- Foetal movements are identified and foetal heart is positive.

Foetal Biometry :

Foetal Heart Rates :	153	B/Min. Regular.				
BPD Measures :	4.95	cm. Corresponds To :	21	Weeks	0	Days.
HC Measures :	17.46	cm. Corresponds To :	20	Weeks	0	Days.
AC Measures :	13.45	cm. Corresponds To :	18	Weeks	6	Days.
FL Measures :	3.01	cm. Corresponds To :	19	Weeks	2	Days.
TIB Measures :	2.79	cm. Corresponds To :	20	Weeks	1	Days.
FIB Measures :	2.65	cm. Corresponds To :	19	Weeks	2	Days.
HL Measures :	2.93	cm. Corresponds To :	19	Weeks	4	Days.
RAD Measures :	2.60	cm. Corresponds To :	19	Weeks	5	Days.
ULNA Measures :	2.65	cm. Corresponds To :	19	Weeks	5	Days.
CEREB Measures :	2.07	cm. Corresponds To :	19	Weeks	5	Days.
BOD Measures :	3.07	cm. Corresponds To :	19	Weeks	6	Days.
Average Ultrasound Age Is	19	Weeks	6	Days.		
Expected Date Of Delivery By Ultrasound :		24.01.2025				
Expected Date Of Delivery By LMP :		21.01.2025				
Estimated Foetal Weight Is	282	Gms. ±	41	Gms.		

- The umbilical vein is draining directly into the IVC with normal wave form and horizontal course.

P.T.O.

FOETUS B: Towards maternal left.

- **Presentation:** Cephalic Position.
- **Liquor is increased in amount** (AFI:22.7 cm).
- Foetal movements are identified and foetal heart is positive.

Foetal Heart Rates :		145	B/Min. Regular.			
BPD Measures :	5.33	cm. Corresponds To :	22	Weeks	1	Days.
HC Measures :	18.57	cm. Corresponds To :	20	Weeks	6	Days.
AC Measures :	15.21	cm. Corresponds To :	20	Weeks	3	Days.
FL Measures :	3.26	cm. Corresponds To :	20	Weeks	1	Days.
TIB Measures :	3.00	cm. Corresponds To :	21	Weeks	0	Days.
FIB Measures :	2.93	cm. Corresponds To :	20	Weeks	3	Days.
HL Measures :	3.22	cm. Corresponds To :	20	Weeks	6	Days.
RAD Measures :	2.72	cm. Corresponds To :	20	Weeks	1	Days.
ULNA Measures :	3.08	cm. Corresponds To :	21	Weeks	4	Days.
CEREB Measures :	2.01	cm. Corresponds To :	19	Weeks	2	Days.
BOD Measures :	3.26	cm. Corresponds To :	20	Weeks	6	Days.
Average Ultrasound Age Is			20	Weeks	5	Days.
Expected Date Of Delivery By Ultrasound :			18.01.2025			
Expected Date Of Delivery By LMP :			21.01.2025			
Estimated Foetal Weight Is		354	Gms. ±	52	Gms.	

- Ductus venosus reveals normal flow & spectral waveform.
- Umbilical artery and MCA show normal wave form.

FETAL EXTREMITIES :

- All four limbs present with no gross abnormality.

FETAL HEAD :

- Mid line falx is well seen. Both lateral ventricles are normal in size. The posterior fossa is normal. The cerebellum is normal.

FETAL SPINE :

- Entire spine is visualised in longitudinal and transverse axis.
- The vertebrae and spinal canal appear normal.

FACE :

- Both orbits, nose and mouth appear normal.

THORAX :

- The heart appears in normal cardiac situs.
- Mild fluid collection in pericardial region (2.6 mm) extending above the atrio ventricular junction.
- The four chamber view is normal. Fetal echo not done.
- Both lungs are well seen.
- No evidence of diaphragmatic hernia is seen.
- No evidence of pleural effusion.

Thanks for Giving us an Opportunity to serve.

- There is increased pulsatile flow of the umbilical artery of the fetus A with abno less than 1.
- Fetal cerebro-placental ratio = $\frac{\text{PI of fetal MCA}}{\text{PI of umbilical artery}} = \frac{1.29}{1.72} = 0.75$ (Abnormal)

FETAL EXTREMITIES :

- All four limbs present with no gross abnormality.

FETAL HEAD :

- Mid line falx is well seen. Both lateral ventricles are normal in size. The posterior horn normal. The cerebellum is normal.

FETAL SPINE :

- Entire spine is visualised in longitudinal and transverse axis.
- The vertebrae and spinal canal appear normal.

FACE :

- Both orbits, nose and mouth appear normal. Nasal bone length 5.7 mm.

THORAX :

- The heart appears in normal cardiac situs.
- The four chamber view is normal. Fetal echo not done.
- Both lungs are well seen.
- No evidence of diaphragmatic hernia is seen.
- No evidence of pleural or percardial effusion.

ABDOMEN :

- Abdominal situs appears normal.
- Echogenic bowel loops is a soft marker for trisomy -Needs quadruple marker correlation.
- Stomach, both kidneys and bladder are normal.
- The gall bladder is well seen.
- No evidence of ascites. No abdominal wall defect.

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IMPRESSION :

- Twins, live Mono-chorionic Di-amniotic foetus in utero corresponding to gestational age of 19 weeks 5 days for fetus (A) & 20 weeks 5 days for fetus (B).
 - Expected date of delivery by ultrasound: 24.01.2025 $\pm$ 10 days for fetus A and 18.01.2025 $\pm$ 10 days for fetus B.
 - Note is made of single umbilical artery for Fetus A.
 - Echogenic bowel loops Fetus A - is a soft marker for trisomy - Needs quadruple marker correlation.
 - The umbilical vein is draining directly into the IVC with normal wave form and horizontal course for Fetus A - Correlation with trisomy to be ruled out.
 - There is increased pulsatile flow of the umbilical artery of the Fetus A with abnormal CPR less than 1.
 - Oligohydramnios for Fetus A.
 - Mild fluid collection in pericardial region (2.6 mm) extending above the atrio ventricular junction for Fetus B.
 - Umbilical artery and MCA show normal wave form for Fetus B.
 - Polyhydramnios for Fetus B.
 - Likely stage -III twin-to-twin transfusion syndrome.
- Fetal echo/ Follow up is advised for dedicated evaluation of fetal heart.
Suggest clinical & Quadruple markers correlation.

Disclaimer:

Please note that USG study has certain limitations !sometimes fetal anomalies may Not get diagnosed due to technical anomaly, Gestational age, foetal positioning and limitations of machine thence absence of mention of foetal anomalies in study does not always rule out its possibility. (Fetal echo is not included in this scan).

Declaration:

I declare that while conducting Ultrasonography/ Image, Scanning on patient.
I have neither detected nor disclosed the sex of her fetus to anybody in any manner.

DR. DIPTI KOTHARI
MBBS, DMRD, DNB
Consultant Radiologist

DR. YANSHI JAIN
MBBS, DMRD, DNB
Consultant Radiologist

DR. ANJALI GOYAL
MBBS, MD
Consultant Radiologist