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FMF CERTIFIED FROM  
FETAL MEDICINE FOUNDATION  
• FOR NT/NB SCAN  
• FOR PRE - ECLAMPSIA SCREENING  
MRI FELLOWSHIPS :  
• NANAVATI HOSPITAL, MUMBAI  
• HINDUJA HOSPITAL, MUMBAI

PATIENT'S NAME : MRS. AAKRITI

AGE/SEX : 23Y/F

REF. BY : DR. POOJA SHRIVASTAVA ( MBBS, MS )

DATE : 27.01.2024

### OBSTETRIC USG ( EARLY ANOMALY SCAN ) WITH PRE-ECLAMPSIA SCREENING

LMP: 28.10.2023

GA (LMP) : 13wk 0d

EDD : 03.08.2024

Single live fetus seen in the intrauterine cavity in variable presentation.

Spontaneous fetal movements are seen. Fetal cardiac activity is regular and normal & is 163 beats /min.

PLACENTA: is grade I, anterior with lower edge just covering the os.

LIQUOR: is adequate for the period of gestation.

#### Fetal morphology for gestation appears normal.

- Cranial ossification appears normal. Midline falx is seen. Choroid plexuses are seen filling the lateral ventricles. No posterior fossa mass seen. Spine is seen as two lines. Overlying skin appears intact.
- Both orbits & lens seen. PMT is intact. No intrathoracic mass seen. No TR.
- Stomach bubble is seen. Bilateral renal shadows is seen. Anterior abdominal wall appears intact.
- Urinary bladder is seen, appears normal. 3 vessel cord is seen.
- All four limbs with movement are seen. Nasal bone well seen & appears normal. Nuchal translucency measures 1.2 mm ( WNL ).
- Ductus venosus shows normal spectrum with positive "a" wave ( PI ~ 1.14 ) .

#### FETAL GROWTH PARAMETERS

|     |      |    |   |    |     |   |                    |
|-----|------|----|---|----|-----|---|--------------------|
| CRL | 60.7 | mm | ~ | 12 | wks | 4 | days of gestation. |
|-----|------|----|---|----|-----|---|--------------------|

Estimated gestational age is 12 weeks 4 days (+/- 1 week). EDD by USG : 06.08.2024

Internal os closed. Cervical length is WNL ( 32.2 mm ).

Baseline screening of both uterine arteries was done & reveals mean PI of ~ 2.49 ( WNL for gestation )

#### DISCUSSION:

Single, live, intrauterine fetus of 12 weeks 4 days +/- 1 week.

Gross fetal morphology is within normal limits.

Low lying placenta with lower edge just covering the os.

Follow up at 19-20 weeks for target scan for detailed fetal anomaly screening.

Declaration : I have neither detected nor disclosed the sex of the fetus to pregnant woman or to anybody. (It must be noted that detailed fetal anatomy may not always be visible due to technical difficulties related to fetal position, amniotic fluid volume, fetal movements, maternal abdominal wall thickness & tissue ecogenicity. Therefore all fetal anomalies may not be detected at every examination. Patient has been counselled about the capabilities & limitations of this examination.)

( DR. ANKITA VIJAYVARGIYA )

# First Trimester Screening Report

SHRIVASTAVA AAKRITI

Date of birth : 24 July 2002, Examination date: 27 January 2024

Address: H.NO. 00 ITARSI  
ITARSI  
INDIA

Referring doctor: DR. POOJA SHRIVASTAVA ( MBBS, MS )

## Maternal / Pregnancy Characteristics:

Racial origin: South Asian (Indian, Pakistani, Bangladeshi).

Parity: 0.

Maternal weight: 50.0 kg; Height: 157.5 cm.

Smoking in this pregnancy: no; Diabetes Mellitus: no; Chronic hypertension: no; Systemic lupus erythematosus: don't know; Antiphospholipid syndrome: don't know; Patient's mother had preeclampsia: no.

Method of conception: Spontaneous;

Last period: 28 October 2023

EDD by dates: 03 August 2024

## First Trimester Ultrasound:

US machine: voluson S8. Visualisation: good.

Gestational age: 13 weeks + 0 days from dates

EDD by scan: 03 August 2024

|                          |               |
|--------------------------|---------------|
| Findings                 | Alive fetus   |
| Fetal heart activity     | visualised    |
| Fetal heart rate         | 163 bpm       |
| Crown-rump length (CRL)  | 60.7 mm       |
| Nuchal translucency (NT) | 1.2 mm        |
| Ductus Venosus PI        | 1.140         |
| Placenta                 | posterior low |
| Amniotic fluid           | normal        |
| Cord                     | 3 vessels     |

## Chromosomal markers:

Nasal bone: present; Tricuspid Doppler: normal.

## Fetal anatomy:

Skull/brain: appears normal; Spine: appears normal; Heart: No TR; Abdominal wall: appears normal; Stomach: visible; Bladder / Kidneys: visible; Hands: both visible; Feet: both visible; Both orbits & lens seen. PMT is intact.

|                         |           |                         |
|-------------------------|-----------|-------------------------|
| Uterine artery PI:      | 2.49      | equivalent to 1.480 MoM |
| Mean Arterial Pressure: | 80.6 mmHg | equivalent to 0.990 MoM |
| Endocervical length:    | 32.2 mm   |                         |

## Risks / Counselling:

Patient counselled and consent given.

Operator: DR. ANKITA VIJAYVARGIYA, FMF Id: 204664

| Condition  | Background risk | Adjusted risk |
|------------|-----------------|---------------|
| Trisomy 21 | 1: 1065         | <1: 20000     |
| Trisomy 18 | 1: 2562         | 1: 17461      |
| Trisomy 13 | 1: 8048         | <1: 20000     |