

# अकिता विजयवर्गीय

बी. बी. एस., डी. एम. आर. डी  
आर. आई. फेलोशिप :  
नानी हॉस्पिटल, मुंबई  
हॉस्पिटल, मुंबई  
डिप्लोमाजिस्ट :  
हॉस्पिटल, नोएडा  
टी. बी. हॉस्पिटल, दिल्ली  
हॉस्पिटल लिमिटेड, कानपुर  
र लाल नेहरू कैंसर हॉस्पिटल, भोपाल

## DR. ANKITA VIJAYVARGIYA MBBS, DMRD

### MRI FELLOWSHIPS :

- NANAVATI HOSPITAL, MUMBAI
- HINDUJA HOSPITAL, MUMBAI

FMF Certified from  
Fetal Medicine Foundation  
Reg. No. MP-8932

### FORMER RADIOLOGIST AT:

- FORTIS HOSPITAL, NOIDA
- G.T.B HOSPITAL, DELHI
- REGENCY HOSPITAL LTD, KANPUR
- JAWAHAR LAL NEHRU CANCER HOSPITAL, BHOPAL

PATIENT'S NAME : MRS. SHUBHANGI

AGE/SEX : 27Y/F

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

DATE : 16.01.2024

### OBSTETRIC USG ( EARLY ANOMALY SCAN )

LMP: 20.10.2023

GA(LMP):12wk 4d

EDD : 26.07.2024

- Single live fetus seen in the intrauterine cavity in variable presentation.
- Spontaneous fetal movements are seen. Fetal cardiac activity is regular and normal & is 160 beats /min.
- PLACENTA: is grade I, posterior 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 1.8 mm ( WNL ).
- Ductus venosus shows normal flow & spectrum with positive "a" wave ( PI ~ 0.89)

#### FETAL GROWTH PARAMETERS

▪ CRL 65.0 mm ~ 12 wks 6 days of gestation.

- Estimated gestational age is 12 weeks 6 days (+/- 1 week). EDD by USG : 24.07.2024
- Internal os closed. Cervical length is WNL ( 35.9 mm ).
- Baseline screening of both uterine arteries was done with mean PI ~ 3.50 (High for gestation ) Suggests increased chances for PIH / Pre-eclampsia .

#### PRESSION:

- Single, live, intrauterine fetus of 12 weeks 6 days +/- 1 week.
- Gross fetal morphology is within normal limits.
- Low lying placenta with lower edge just covering the os .

Follow up at 19-22 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

PATEL SHUBHANGI

Date of birth : 13 May 1996, Examination date: 16 January 2024

Address: hno. hig- 5, uma vihar lalita  
nagar kolar road bhopal  
Bhopal  
INDIA

Referring doctor: DR. (MS) POOJA SHRIVASTAVA

## Maternal / Pregnancy Characteristics:

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

Parity: 0.

Maternal weight: 60.0 kg; Height: 152.4 cm.

Smoking in this pregnancy: no; Diabetes Mellitus: no; Chronic hypertension: no; Systemic lupus erythematosus: dont know; Antiphospholipid syndrome: dont know; Patient's mother had preeclampsia: no.

Method of conception: Spontaneous;

Last period: 20 October 2023




EDD by dates: 26 July 2024

## First Trimester Ultrasound:

US machine: logiq f6. Visualisation: good.

Gestational age: 12 weeks + 4 days from dates

EDD by scan: 26 July 2024

Findings	Alive fetus	
Fetal heart activity	visualised	
Fetal heart rate	160 bpm	
Crown-rump length (CRL)	65.0 mm	
Nuchal translucency (NT)	1.8 mm	
Ductus Venosus PI	0.890	
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:	3.50	equivalent to 2.190 MoM
Mean Arterial Pressure:	80.6 mmHg	equivalent to 0.960 MoM
Endocervical length:	35.9 mm	

## Risks / Counselling:

Patient counselled and consent given.

Operator: DR. ANKITA VIJAYVARGIYA, FMF Id: 204664

Condition	Background risk	Adjusted risk
Trisomy 21	1: 827	1: 16536
Trisomy 18	1: 2030	<1: 20000
Trisomy 13	1: 6365	<1: 20000

# First Trimester Screening Report

Preeclampsia before 34 weeks

1: 33

Fetal growth restriction before 37 weeks

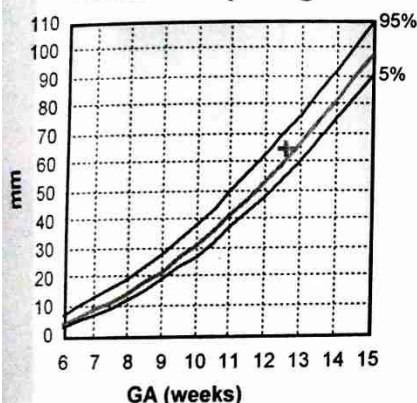
1: 21

The background risk for aneuploidies is based on maternal age (27 years). The adjusted risk is the risk at the time of screening, calculated on the basis of the background risk and ultrasound factors (fetal nuchal translucency thickness, nasal bone, tricuspid Doppler, ductus venosus Doppler, fetal heart rate).

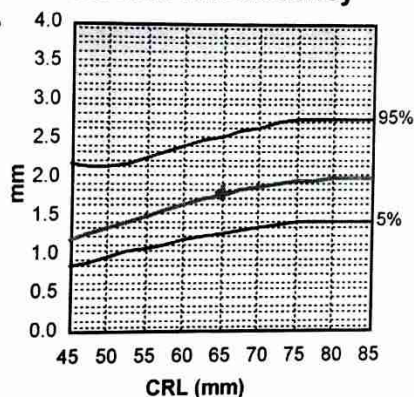
Risks for preeclampsia and fetal growth restriction are based on maternal demographic characteristics, medical and obstetric history, uterine artery Doppler and mean arterial pressure (MAP). The adjusted risk for PE < 34 weeks or the adjusted risk for FGR < 37 weeks is in the top 10% of the population. The patient may benefit from the prophylactic use of aspirin. All biophysical markers are corrected as necessary according to several maternal characteristics including racial origin, weight, height, smoking, method of conception and parity.

The estimated risk is calculated by the FMF-2012 software (version 2.81) and is based on findings from extensive research coordinated by the Fetal Medicine Foundation (UK Registered charity 1037116). The risk is only valid if the ultrasound scan was performed by a sonographer who has been accredited by the Fetal Medicine Foundation and has submitted results for regular audit (see [www.fetalmedicine.com](http://www.fetalmedicine.com)).

Crown-rump length



Nuchal translucency



1st trimester risk of Trisomy 21

