

(62) mrs - Jyoti Raghuvanshi 34/f Double marker
Test

Height - 5.4. inay

weight - 70.0 kg

DOB - 20-12-1989

DR. ANKITA VIJAYVARGIYA
MBBS, DMRD
Reg. No. MP-8932

FORMER RADIOLOGIST AT:
FORTIS HOSPITAL, NOIDA
T.B HOSPITAL, DELHI
REGENCY HOSPITAL LTD, KANPUR
JAWAHAR LAL NEHRU CANCER HOSPITAL, BHOPAL



DIAGNOSTICS & IMAGING

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. JYOTI

AGE/SEX : 34Y/F

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

DATE : 10.05.2024

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

LMP: 09.02.2024

GA (LMP) : 13wk 0d

EDD : 15.11.2024

- Single live fetus seen in the intrauterine cavity in variable presentation.
- Spontaneous fetal movements are seen. Fetal cardiac activity is regular and normal & is 155 beats/min.
- PLACENTA: is grade I, anterior & not low lying.
- 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 2.3 mm (WNL).
- Ductus venosus shows normal spectrum with positive "a" wave (PI ~ 0.63).

FETAL GROWTH PARAMETERS

CRL	71.6 mm	~	13	wks	3 days of gestation.
Estimated gestational age is 13 weeks 3 days (+/- 1 week). EDD by USG : 12.11.2024					
Internal os closed. Cervical length is WNL (32.5 mm).					
Baseline screening of both uterine arteries was done & reveals mean PI of ~ 1.74 (WNL for gestation).					
Date of Last Delivery 03.11.2021					
Gestation at delivery of last pregnancy 38 weeks 5 days .					

IMPRESSION:

- Single, live, intrauterine fetus of 13 weeks 3 days +/- 1 week.
- Gross fetal morphology is within normal limits.

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

Raghuvanshi Jyoti

Date of birth : 20 December 1989, Examination date: 10 May 2024

Address: h.no. 205 radhapuram colony
hoshangabad road bhopal
BHPAL
INDIA

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

Maternal / Pregnancy Characteristics:

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

Parity: 1; Deliveries at or after 37 weeks: 1.

Maternal weight: 69.9 kg; Height: 152.4 cm.

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

Method of conception: Spontaneous;

Last period: 09 February 2024

EDD by dates: 15 November 2024

First Trimester Ultrasound:

US machine: voluson S8. Visualisation: good.

Gestational age: 13 weeks + 0 days from dates

EDD by scan: 15 November 2024

Findings	Alive fetus
Fetal heart activity	visualised
Fetal heart rate	155 bpm
Crown-rump length (CRL)	71.6 mm
Nuchal translucency (NT)	2.3 mm
Ductus Venosus PI	0.630
Placenta	anterior high
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:	1.74	equivalent to 1.150 MoM
Mean Arterial Pressure:	88.6 mmHg	equivalent to 1.030 MoM
Endocervical length:	32.5 mm	

Risks / Counselling:

Patient counselled and consent given.

Operator: DR. ANKITA VIJAYVARGIYA, FMF Id: 204664

Condition	Background risk	Adjusted risk
Trisomy 21	1: 320	1: 3077
Trisomy 18	1: 809	1: 3992

First Trimester Screening Report

Trisomy 13

Preeclampsia before 34 weeks

Fetal growth restriction before 37 weeks

1: 2530

<1: 20000

1: 569

1: 209

The background risk for aneuploidies is based on maternal age (34 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, 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).

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).

