

डॉ. अंकिता विजयवर्गीय

एम. बी. बी. एस., डी. एम. आर. डी
एम. आर. आई. फेलोशिप :
नानावटी हॉस्पिटल, मुंबई
हिंदुजा हॉस्पिटल, मुंबई
पूर्व रेडियोलॉजिस्ट :
फोर्टिस हॉस्पिटल, नोएडा
जी. टी. बी. हॉस्पिटल, दिल्ली
रीजेंसी हॉस्पिटल लिमिटेड, कानपुर
जवाहर 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. SHIVANI

AGE/SEX : 32Y/F

REF. BY : DR. PUJA SINGH (MBBS, DGO)

DATE : 01.10.2024

OBSTETRIC USG (EARLY ANOMALY SCAN)

LMP: 30.06.2024

GA(LMP):13wk 2d

EDD : 06.04.2025

- Single live fetus seen in the intrauterine cavity in variable presentation.
- Spontaneous fetal movements are seen. Fetal cardiac activity is regular and normal & is 161 beats /min.
- PLACENTA: is grade I, posterior & 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.
- 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 2.0 mm (WNL).
- Ductus venosus shows abnormal flow & spectrum with mild reversal of "a" wave (PI ~ 1.97)

FETAL GROWTH PARAMETERS

▪ CRL 64.0 mm ~ 12 wks 6 days of gestation.

- Estimated gestational age is 12 weeks 6 days (+/- 1 week). EDD by USG : 09.04.2025
- Internal os closed. Cervical length is WNL (36.5 mm).
- Baseline screening of both uterine arteries was done with mean PI ~ 2.55 (WNL)

IMPRESSION:

- ✚ Single, live, intrauterine fetus of 12 weeks 6 days +/- 1 week.
- ✚ Gross fetal morphology is within normal limits.
- ✚ Abnormal ductus venosus flow with mild reversal of "a" wave - major marker for chromosomal anomaly & CHD

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

Malviya Shivani

Date of birth : 26 September 1993, Examination date: 01 October 2024

Address: hno. 5/8, b- sector
sarvdharam kolar road
Bhopal
INDIA

Referring doctor: Dr. PUJA SINGH (MBBS , DGO)

Maternal / Pregnancy Characteristics:

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

Parity: 0.

Maternal weight: 54.0 kg; Height: 157.5 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: 30 June 2024

EDD by dates: 06 April 2025

First Trimester Ultrasound:

US machine: logiq f6. Visualisation: good.

Gestational age: 13 weeks + 2 days from dates

EDD by scan: 06 April 2025

Findings	Alive fetus
Fetal heart activity	visualised
Fetal heart rate	161 bpm
Crown-rump length (CRL)	64.0 mm
Nuchal translucency (NT)	2.0 mm
Ductus Venosus PI	1.970
Placenta	posterior 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.

Uterine artery PI:	2.55	equivalent to 1.560 MoM
Mean Arterial Pressure:	90.0 mmHg	equivalent to 1.100 MoM
Endocervical length:	36.5 mm	

Risks / Counselling:

Patient counselled and consent given.

Operator: DR. ANKITA VIJAYVARGIYA, FMF Id: 204664

Condition	Background risk	Adjusted risk
Trisomy 21	1: 570	1: 11393
Trisomy 18	1: 1392	1: 8564
Trisomy 13	1: 4367	<1: 20000
Preeclampsia before 34 weeks		1: 48

First Trimester Screening Report

Fetal growth restriction before 37 weeks

1: 36

The background risk for aneuploidies is based on maternal age (31 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). 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).

