

First Trimester Screening Report

Fetal growth restriction before 37 weeks

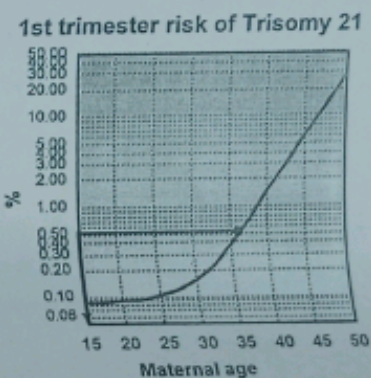
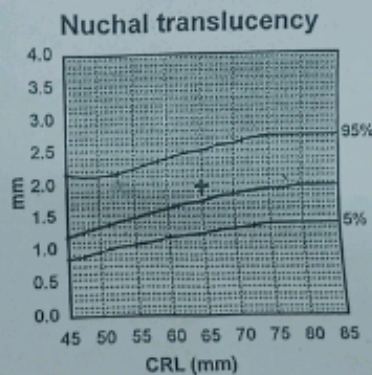
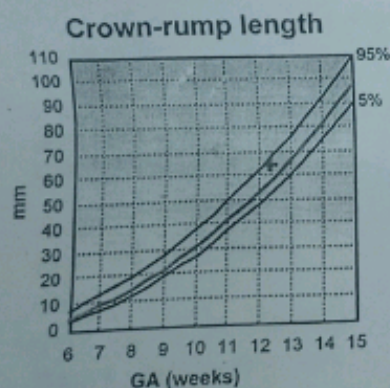
1: 189

The background risk for aneuploidies is based on maternal age (36 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).

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).



First Trimester Screening Report

Patel Archana

Date of birth : 24 August 1986, Examination date: 15 April 2023

Address: D-41 rajharsh colony , kolar
road
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: 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: 19 January 2023

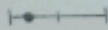
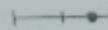
EDD by dates: 26 October 2023

First Trimester Ultrasound:

US machine: logiq f6. Visualisation: good.

Gestational age: 12 weeks + 2 days from dates.

EDD by scan: 26 October 2023

Findings	Alive fetus	
Fetal heart activity	visualised	
Fetal heart rate	153 bpm	
Crown-rump length (CRL)	65.1 mm	
Nuchal translucency (NT)	2.0 mm	
Ductus Venosus PI	0.870	
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.

Uterine artery PI:	1.07	equivalent to 0.670 MoM
Mean Arterial Pressure:	88.2 mmHg	equivalent to 1.060 MoM
Endocervical length:	33.9 mm	

Risks / Counselling:

Patient counselled and consent given.

Operator: DR. ANKITA VIJAYVARGIYA, FMF Id: 204664

Condition	Background risk	Adjusted risk
Trisomy 21	1: 190	1: 3796
Trisomy 18	1: 466	1: 9324
Trisomy 13	1: 1462	<1: 20000
Preeclampsia before 34 weeks		1: 1026

डॉ. अंकिता विजयवर्गीय

डॉ. एम. डी. एम. आर. डी
आई. फेलोशिप :
नानावती हॉस्पिटल, मुंबई
हिंदुजा हॉस्पिटल, मुंबई
रेडियोलाजिस्ट :
फोर्टिस हॉस्पिटल, नोएडा
डी. टी. वी. हॉस्पिटल, दिल्ली
जेम्सी हॉस्पिटल लिमिटेड, कानपुर
जवाहर लाल नेहरू कैंसर हॉस्पिटल, भोपाल

DR. ANKITA VIJAYVARGIYA MBBS, DMRD

MRI FELLOWSHIPS :

- NANA VATI 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. ARCHANA PATEL

AGE/SEX : 36 Y/F

REF. BY : DR. POOJA SHRIVASTAVA (MS)

DATE : 15.04.2023

OBSTETRIC USG (EARLY ANOMALY SCAN)

LMP: 19.01.2023

GA(LMP) : 12wk 2d

EDD : 26.10.2023

- Single live fetus seen in the intrauterine cavity in variable presentation.
- Spontaneous fetal movements are seen. Fetal cardiac activity is regular and normal & is 153 beats /min.
- PLACENTA: is grade I, high 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.
- 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 normal flow & spectrum with positive "a" wave (PI ~ 0.87)

FETAL GROWTH PARAMETERS

▪ CRL 65.1 mm	~	12	wks	6 days of gestation.
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- Estimated gestational age is 12 weeks 6 days (+/- 1 week). EDD by USG : 22.10.2023
- Internal os closed. Cervical length is WNL (33.9 mm).
- Baseline screening of both uterine arteries was done with mean PI ~ 1.07 (WNL for gestation).

IMPRESSION:

- Single, live, intrauterine fetus of 12 weeks 6 days +/- 1 week.
- Gross fetal morphology is within normal limits.

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)