

Mrs. Kalpana Patel ~  
261F

DOB - 25-8-1996

H - S - 3

W - 53/kg



# First Trimester Screening Report

PATEL KALPANA

Date of birth : 25 August 1996, Examination date: 23 June 2023

Address: HNO. A-19/4 BDA COLONY  
SALAIYA BHOPAL  
Bhopal  
INDIA

Referring doctor: DR SWATI DESHWALI MBBS, SGO  
Address: Bhopal

## Maternal / Pregnancy Characteristics:

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

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

Maternal weight: 55.0 kg; Height: 160.0 cm.

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

Method of conception: Spontaneous;

EDD by dates: 25 December 2023

Last period: 20 March 2023

## First Trimester Ultrasound:

US machine: logiq f6. Visualisation: good.

Gestational age: 13 weeks + 4 days from dates

EDD by scan: 25 December 2023

Findings	Alive fetus
Fetal heart activity	visualised
Fetal heart rate	151 bpm
Crown-rump length (CRL)	67.0 mm
Nuchal translucency (NT)	2.1 mm
Ductus Venosus PI	0.700
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:	1.50	equivalent to 0.940 MoM
Mean Arterial Pressure:	94.3 mmHg	equivalent to 1.150 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: 884	1: 17688
Trisomy 18	1: 2192	<1: 20000

८. अंकिता विजयवर्गीय  
 श्री. श्री. वाणी, श्री. एम. आर. श्री  
 आर. आर. विजयवर्गीय  
 निरो लालियाल, यूपरी  
 न लालियाल, यूपरी  
 विजयवर्गीय  
 लालियाल, नाराजा  
 श्री. श्री. लालियाल, दिल्ली  
 श्री. लालियाल विजयवर्गीय, काशीपुर  
 न लालियाल विजयवर्गीय, भोपाल  
 PATIENT'S NAME : MRS. KALPANA

REF. BY : DR. SWATI DESHWALI (MBBS , DGO)

DR. ANKITA VIJAYVARGIYA  
MBBS, DIPLO

MINI-FIRS IN PERSPECTIVE

- HANUMATI HOSPITAL, MUMBAI
- HINDUJA HOSPITAL, MUMBAI

### FORMER PRACTITIONERS AT

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

FNP Certified from  
Fetal Medicine Foundation  
Reg. No. NPF-49992

AGE/SEX: 25Y/F

DATE : 22.05.2023

### OBSTETRIC USG (EARLY ANOMALY SCAN)

LMP: 20.03.2023

GA(LMP):13 wk ad

EDD : 25.12.2023

- Single live fetus seen in the intrauterine cavity in **variable presentation**.
- Spontaneous fetal movements are seen. Fetal cardiac activity is **regular and normal** & is 151 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 falk 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 2.1 mm ( WNL ).
- Ductus venosus shows normal flow & spectrum with positive "a" wave ( PI ~ 0.70 )

## FETAL GROWTH PARAMETERS

• CRL 67.0 mm ~ 13 wks 0 days of gestation.

- Estimated gestational age is 13 weeks 0 days (+/- 1 week). EDD by USG : 29.12.2023
- Internal os closed. Cervical length is WNL ( 32.2 mm ).
- Baseline screening of both uterine arteries was done with mean PI ~ 1.50 ( WNL for gestation ).
- Date of last delivery 05.06.2020 .
- Gestation at delivery of last pregnancy 39 weeks 6 days.

### IMPRESSION:

- Single, live, intrauterine fetus of 13 weeks 0 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 echogenicity. Therefore all fetal anomalies may not be detected at every examination. Patient has been counselled about the capabilities & limitations of this examination.)

(DR. ANKITA M JAYVAR)

## First Trimester Screening Report

Trisomy 13

1: 6867

<1: 20000

Preeclampsia before 34 weeks

1: 868

Fetal growth restriction before 37 weeks

1: 272

The background risk for aneuploidies is based on maternal age (26 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](http://www.fetalmedicine.com)).

