

# First Trimester Screening Report

SHAHANE POOJA PAWAN

Date of birth : 30 December 1994, Examination date: 06 October 2023

Address: N-6 CIDCO DATTA TEMPLE  
AURANGABAD  
AURANGABAD  
INDIA

Referring doctor: DR DR. DIPTI TAK ( DAHYWAL ) OZONE MULTISPECIALITY HOSPITAL ADN  
ICU

Address: SHUBHAM COMPLEX ,  
MEDIARTS BUILDING , NEAR  
ESSAR PETROL PUMP,  
PUNDALIK NAGAR,  
AURANGABAD  
AURANGABAD

## Maternal / Pregnancy Characteristics:

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

Parity: 1; Spontaneous deliveries between 16-30 weeks: 0; 31-36 weeks: 0; Deliveries at or after 37 weeks: 1.

Maternal weight: 56.0 kg; Height: 161.0 cm.

Smoking in this pregnancy: no; Diabetes Mellitus: no; Chronic hypertension: no; Systemic lupus erythematosus: no; Antiphospholipid syndrome: no; Preeclampsia in previous pregnancy: no;

Previous small baby: no; Patient's mother had preeclampsia: no.

Method of conception: Spontaneous;

Last period: 13 July 2023

EDD by dates: 18 April 2024

## First Trimester Ultrasound:

US machine: VINNO G 65. Visualisation: good.

Findings	Alive fetus
Fetal heart activity	visualised
Fetal heart rate	147 bpm
Crown-rump length (CRL)	58.1 mm
Nuchal translucency (NT)	1.2 mm
Biparietal diameter (BPD)	19.7 mm
Ductus Venosus PI	0.490
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; Abdominal wall: appears normal;  
Stomach: visible; Bladder / Kidneys: visible; Hands: both visible; Feet: both visible.

Uterine artery PI:	1.16	equivalent to 0.690 MoM
Mean Arterial Pressure:	80.7 mmHg	equivalent to 0.980 MoM
Endocervical length:	35.6 mm	

## Risks / Counselling:

Patient counselled and consent given.



# KALPATARU DIAGNOSTIC CENTRE

**Apeksha Rathod**  
MS Gold Medal  
MD (AIIMS Silver Medal), DNB Radiology  
Certified for First Trimester Screening  
(60746)

## Sonography, Colour Doppler & Digital X-Ray

### Fetal survey:

Head: cranial vault – normal. Midline Falx seen.  
Choroid plexuses seen filling the ventricular cavity ( butterfly sign )  
Intracranial translucency – normal.  
Facial profile : PMT seen.  
Spine : intact overlying skin.  
Chest: Symmetrical lung fields noted . No e/o effusion or masses.  
Heart :cardiac activity regular. Four symmetrical chambers seen.  
On color flow : two ventricular inflow s and two outflows tracts seen.  
Abdomen : normal cord insertion. Stomach in left upper quadrant , bladder seen.  
Extremities : four limbs each with three segments seen.

### Uterine arteries :

Right : PI: 1.06

Left : PI: 1.25

Mean PI : 1.1— ( 8<sup>th</sup> percentile ) normal for gestational age.

Both uterine arteries show normal color flow and spectral waveform

No early diastolic notch seen.

**OPINION :** Single live intrauterine gestation with average sonic maturity of around  
12 wks 4 day. EDD by USG: 15/04/2024

GA assigned as per biometry.

CRL measures 5.81 cm .NT measures 0.12 cm ( 27<sup>th</sup> percentile for this CRL) .

Suggested follow up anomaly scan at 19 – 20 weeks

Thanks for referral

All measurements including estimated fetal weight, are subject to statistical variations.  
Not all anomalies can be detected on sonography.

First trimester screening and preeclampsia report attached -----PTO



**Dr. Apeksha Rathod**  
MD DNB Radiology





# KALPATARU DIAGNOSTIC CENTRE

**Dr. Apeksha Rathod**

MBBS (MUHS Gold Medal)  
MD Radiology (MUHS Silver Medal), DNB Radiology  
FMF UK Certified for First Trimester Screening  
(FMF Id-250746)

**Sonography, Colour Doppler  
& Digital X-Ray**

Name of Pt : Mrs. Pooja Pawan Shahane

Ref BY : Dr Dahiwal madam

Dated : October 6, 2023

## SONOGRAPHY OF GRAVID UTERUS

LMP:13/07/2023

GA(LMP): 12 wks 1 days

EDD by LMP: 18/04/2024

Single viable intrauterine fetus is seen with **changing presentation** at the time of examination.

Fetal movements and cardiac pulsation are well appreciated. FHR: 147 bpm.

**Placenta is posterior.** Grade I maturity. Low lying reaching upto the os.

Liquor is adequate for gestational age.

Cervical length: 3.56 cm

**WEIGHT 56KG**

### FOETAL BIOMETRY:-

CRL: 5.81 cm corresponding to 12 wks 2 days

BPD: 1.97 cm corresponding to 13 wks 1 days

HC: 7.48 cm corresponding to 13 wks 1 days

AC: 5.39 cm corresponding to 12 wks 2 days

FML: 0.72 cm corresponding to 12 wks 1 days

These parameters correspond with sonic maturity of around 12 wks 4 day.

EFW is 56 gms .

A. NT : well demonstrated. Thickness - 0.12 cm.

B. Other markers : 1. Nasal bones seen.

2. Limb buds normal.

C. Doppler : Ductus venosus flow normal.

D. No e/o tricuspid regurgitation.

PTO



**Dr. Apeksha Rathod**  
MD DNB Radiology

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Operator: apeksha chavan, FMF Id: 250746

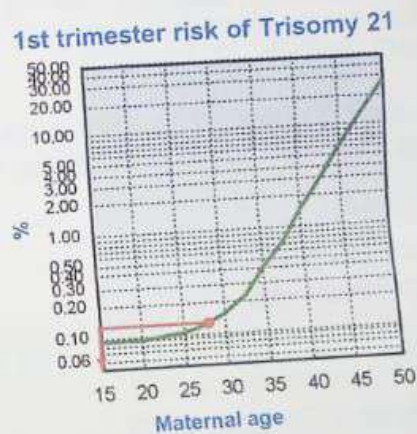
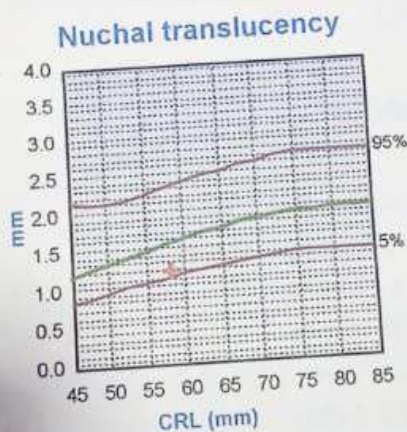
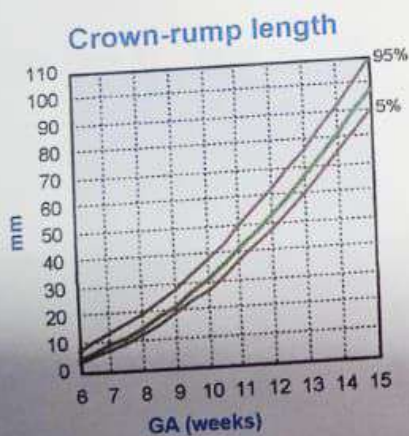
Condition	Background risk	Adjusted risk
Trisomy 21	1: 736	1: 3681
Trisomy 18	1: 1748	1: 5297
Trisomy 13	1: 5497	<1: 20000
Preeclampsia before 34 weeks		1: 12493
Fetal growth restriction before 37 weeks		1: 528
Spontaneous delivery before 34 weeks		1: 653

The background risk for aneuploidies is based on maternal age (28 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, 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)).



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MBBS, MD, DNB (RADIOLOGY)  
Reg. No. 2011/09/3130

*Signature*