

# First Trimester Screening Report

KOMAL GULIA

Date of birth : 01 April 1993, Examination date: 17 July 2023

Address: GURGAON  
GURGAON  
INDIA

Referring doctor: Dr REENA JAIN

JAIN HOSPITAL

## Maternal / Pregnancy Characteristics:

Racial origin: South Asian (Indian, Pakistani, Bangladeshi).  
Parity: 0; Spontaneous deliveries between 16-30 weeks: 0.  
Maternal weight: 73.0 kg; Height: 163.0 cm.  
Smoking in this pregnancy: no; Diabetes Mellitus: no; Chronic hypertension: no; Systemic lupus erythematosus: no; Antiphospholipid syndrome: no; Patient's mother had preeclampsia: no.  
Method of conception: Spontaneous;  
Last period: 13 April 2023

EDD by dates: 18 January 2024

## First Trimester Ultrasound:

US machine: SAMSUNG H-60 HIGH DEFINITION. Probe: H-60 HIGH DEFINITION. Visualisation: good.

Gestational age: 12 weeks + 4 days from CRL

EDD by scan: 25 January 2024

Findings	Alive fetus	
Fetal heart activity	visualised	
Fetal heart rate	158 bpm	—●—
Crown-rump length (CRL)	61.5 mm	—●—
Nuchal translucency (NT)	0.7 mm	
Biparietal diameter (BPD)	19.7 mm	
Ductus Venosus PI	0.880	—●—
Placenta	anterior low	
Amniotic fluid	normal	
Cord	not examined	

## 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:	2.12	equivalent to 1.330 MoM
Mean Arterial Pressure:	90.0 mmHg	equivalent to 1.040 MoM
Endocervical length:	50.0 mm	

## Risks / Counselling:

Patient counselled and consent given.

Operator: SAHIL LOOMBA, FMF Id: 251371  
1320P, Sec.-46, Satpaul Mittal Marg, Gurugram, Haryana-122003, 0124-4188188, 8826502407, scanlabdiagnostics@gmail.com

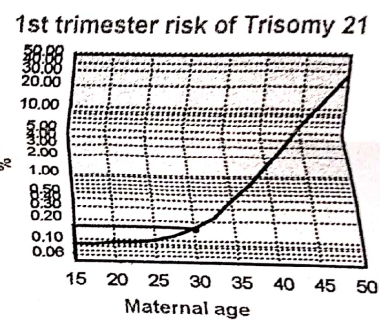
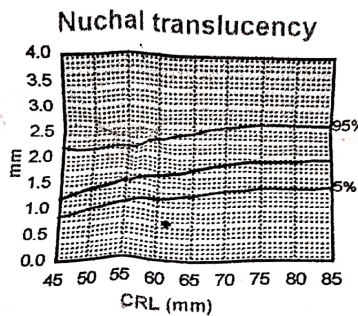
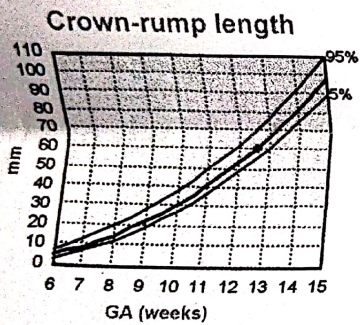


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Condition	Background risk	Adjusted risk
Trisomy 21	1: 625	1: 3123
Trisomy 18	1: 1508	1: 4570
Trisomy 13	1: 4735	<1: 20000
Spontaneous delivery before 34 weeks		1: 1272

The background risk for aneuploidies is based on maternal age (30 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). 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)).



### Comments

#### SUMMARY:

**SINGLE LIVE INTRA-UTERINE FETUS CORRESPONDING TO 12 W 4 D WITHIN THE LEFT CORNUA OF BICORNUATE UTERUS**

**LOW RISK OF PRETERM PRE-ECLAMPSIA SEEN ON THE FMF CALCULATOR.**

**Preeclampsia risk from history only: At < 37 weeks : 1 in 98**

**Preeclampsia risk from history plus UT PI: At < 37 weeks: 1 in 154**

**THE BACKGROUND RISK FOR TRISOMIES 21, 18 & 13 ARE 1:625; 1:1508 & 1:4735 RESPECTIVELY, HOWEVER THE ADJUSTED RISKS FOR THE ABOVE ARE 1:3123, 1: 4570 & <1:20000 RESPECTIVELY.**

**LOW RISK OF PRETERM DELIVERY: 1: 1272**

**ANTERIOR LOW LYING PLACENTA 1.5 CM FROM INTERNAL OS AS DESCRIBED.**



Date	17/07/2023	Srl No.	15	Patient Id	23071715
Name	Mrs. KOMAL GULIA	Age	30 Yrs.	Sex	F
Ref. By	Dr. REENA JAIN				

USG SPECIAL

**LMP:13.04.2023**

**USG LEVEL 1 (NB+NT SCAN)**

**GA by LMP: 13 wks 4 day EDD by LMP:18.01.2024**

**UTERUS is bicornuate** with a normal appearing gestational sac in the upper uterine segment. The internal Os is closed. The Endocervical length is adequate(5.0 cm). Both adnexae are clear.  
The right uterine artery shows normal flow pattern with RI = 0.86 and a PI = 2.94  
The left uterine artery shows a normal flow pattern with RI = 0.86 and a PI = 1.30  
The mean pulsatility index of the uterine arteries is 2.12 (1.33 MoM) = < 95 th centile.

**Fetal:**

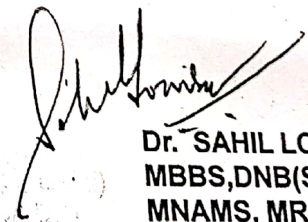
Placenta: Forming anteriorly low lying 1.5 cm from internal os.  
Homogenous echopattern. No R.P. collection. Liquor amnii is normal.  
Cardiac activity is visualised and is normal. Approx. = 158 bpm.  
Nasal bone is seen and measures 1.5 mm in length and appears normal.  
Nuchal Translucency measures 0.7 mm (within normal range).  
Intracranial lucency & Ductus venosus flow are normal. No tricuspid regurgitation.  
Fetal stomach bubble is visualised and appears normal.  
CRL= 61.5 mm corresponding to 12 wks 4 days+/- 3 days. EDD by USG is 25.01.2024

Pre-eclampsia risk from history only: At < 37 weeks : 1 in 98

Pre-eclampsia risk from history plus UT PI: At < 37 weeks: 1 in 154

**IMPRESSION:** Single intrauterine pregnancy, corresponding to a gestational age of 12 wks 4 days +/- 6 days with low lying placenta and normal level 1 scan. On the basis of the FMF risk assessment the patient has been classified as having a low risk for pre-term pre-eclampsia.

I, Dr. Sahil Loomba, declare that while conducting the ultrasound on Mrs. KOMAL, I have neither detected nor disclosed the sex of her fetus to anybody in any manner. Please note: All congenital anomalies cannot be detected on ultrasound.



Dr. SAHIL LOOMBA  
MBBS, DNB(St Stephens Hosp),  
MNAMS, MRCR, FRCR(London)  
FMF (UK) CERTIFIED ID:- 2513  
Consultant Radiologist, HMC-