

PATIENT'S NAME : MRS. SHRUTI

AGE/SEX : 30 Y/F

REF. BY : DR. TEENA GUPTA ( MBBS, MS )

DATE : 18.01.2024

**OBSTETRIC USG ( EARLY ANOMALY SCAN ) WITH PRE-ECLAMPSIA SCREENING**

LMP: 25.10.2023

GA (LMP) : 12wk 1d

EDD : 31.07.2024

- Single live fetus seen in the intrauterine cavity in **variable** presentation.
- Spontaneous fetal movements are seen. Fetal cardiac activity is regular and normal & is 129 beats /min.
- PLACENTA: is **grade I, posterior with lower edge just covering the os.**
- 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 1.4 mm ( WNL ).
- Ductus venosus shows normal spectrum with positive "a" wave ( PI ~ 0.95 ).

**FETAL GROWTH PARAMETERS**

▪ CRL	58.7	mm	~	12	wks	3 days of gestation.
▪ Estimated gestational age is	12 weeks 3 days (+/- 1 week). EDD by USG : 29.07.2024					
▪ Internal os closed. Cervical length is	WNL ( 31.2 mm ).					
▪ Right adenexa show a	lobulated thin walled anechoic cystic lesion measuring ~ 77.6 x 64.1 mm with few thin internal septae . No obvious mural nodule seen .					
▪ Baseline screening of both uterine arteries was done & reveals mean PI of ~ 2.20 ( WNL for gestation )						
▪ Date of Last Delivery	20.02.2018					
▪ Gestation at delivery of last pregnancy	37 weeks 4 days .					

**IMPRESSION:**

- ✚ Single, live, intrauterine fetus of 12 weeks 3 days +/- 1 week.
- ✚ Gross fetal morphology is within normal limits.
- ✚ Low lying placenta with lower edge just covering the os.
- ✚ Large right adenexal cystic lesion as mentioned - ? benign ovarian ( ? neoplastic ) .

**Follow up at 19-20 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

MENON SHRUTI

Date of birth : 19 January 1993, Examination date: 18 January 2024

Address: FLAT NO-405 , 4th floor D-  
block coral casa karond bhopal  
BHOPAL  
INDIA

Referring doctor: DR. TEENA GUPTA (MBBS, MS)

## Maternal / Pregnancy Characteristics:

Previous chromosomally abnormal child or fetus: H/o first trimester miscarriage , one .  
Racial origin: South Asian (Indian, Pakistani, Bangladeshi).  
Parity: 1; Deliveries at or after 37 weeks: 1.  
Maternal weight: 80.0 kg; Height: 160.0 cm.  
Smoking in this pregnancy: no; Diabetes Mellitus: no; Chronic hypertension: no; Systemic lupus erythematosus: don't know; Antiphospholipid syndrome: don't know; Preeclampsia in previous pregnancy: no; Previous small baby: no; Patient's mother had preeclampsia: no.  
Method of conception: Spontaneous;  
Last period: 25 October 2023

EDD by dates: 31 July 2024

## First Trimester Ultrasound:

US machine: voluson S8. Visualisation: good.

Gestational age: 12 weeks + 1 days from dates

EDD by scan: 31 July 2024

Findings	Alive fetus
Fetal heart activity	visualised
Fetal heart rate	129 bpm
Crown-rump length (CRL)	58.7 mm
Nuchal translucency (NT)	1.4 mm
Ductus Venosus PI	0.950
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; Heart: No TR; Abdominal wall: appears normal; Stomach: visible; Bladder / Kidneys: visible; Hands: both visible; Feet: both visible.

Uterine artery PI:	2.20	equivalent to 1.370 MoM
Mean Arterial Pressure:	87.2 mmHg	equivalent to 0.990 MoM
Endocervical length:	31.2 mm	

## Risks / Counselling:

Patient counselled and consent given.

Operator: DR. ANKITA VIJAYVARGIYA, FMF Id: 204664

Condition	Background risk	Adjusted risk
Trisomy 21	1: 563	1: 11260
Trisomy 18	1: 1341	<1: 20000
Trisomy 13	1: 4215	<1: 20000

# First Trimester Screening Report

Preeclampsia before 34 weeks

1: 562

Fetal growth restriction before 37 weeks

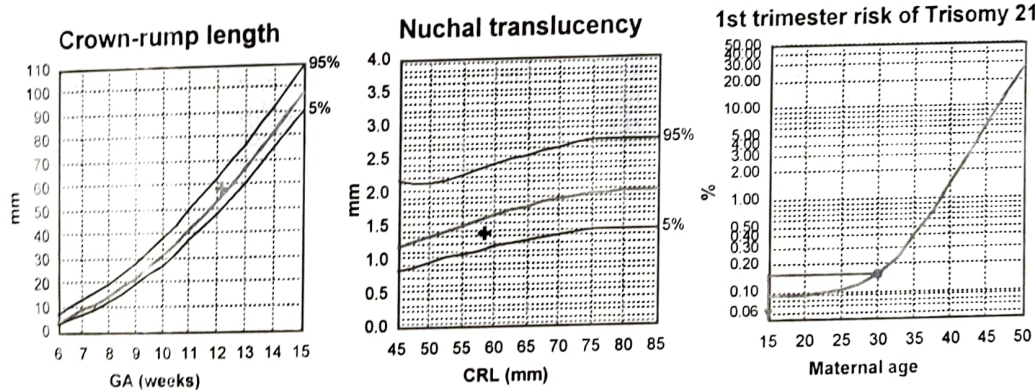
1: 230

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, 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)).





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Name: SHREUTI, 20V/E

