

Saraswathi Shivakumar

Patient ID: 13  
Date of birth: 22 June 1996  
Examination date: 20 August 2022

Address: Kothapet Hyderabad India  
Hospital no.: 278034  
Mobile phone: 8186928802  
Referring doctor: Dr Anuradha Murki OBG

**History**Ethnic origin: **South Asian (Indian, Pakistani, Bangladeshi).**

Parity: 0; Spontaneous deliveries between 16-30 weeks: 0.

Maternal weight: 62.0 kg; Height: 172.7 cm.

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

Conception: spontaneous;

last period: 20 May 2022

EDD by dates: 24 February 2023

**First Trimester Ultrasound**

US system: Voluson E6. View: good.

Gestational age: 13 weeks + 1 days from dates

EDD by scan: 24 February 2023

|                              |                   |
|------------------------------|-------------------|
| Findings                     | alive fetus       |
| Fetal heart activity         | visualised        |
| FHR                          | 148 bpm           |
| Crown-rump length (CRL)      | 66.2 mm           |
| Nuchal translucency (NT)     | 1.70 mm           |
| Biparietal diameter (BPD)    | 21.9 mm           |
| Head circumference (HC)      | 75.7 mm           |
| Abdominal circumference (AC) | 59.7 mm           |
| Femur length (FL)            | 9.7 mm            |
| Intracranial translucency    | present, 1.8 mm   |
| Ductus Venosus PI            | 1.11              |
| Placenta                     | Normal appearance |
| Amniotic fluid               | normal            |

**Chromosomal markers:**

Nasal bone: present; Tricuspid Doppler: normal.

**Fetal anatomy:**

Skull/brain: appears normal; Spine: appears normal; Heart: 4 Chambers 3 vessels seen; Abdomen: appears normal; Stomach: visible; Bladder / Kidneys: visible; Hands: both visible; Feet: both visible.

Uterine artery mean PI: 1.765 equivalent to 1.084 MoM  
Mean Arterial Pressure: 72.833 mmHg equivalent to 0.8627 MoM  
Endocervical length: 30.0 mm

**Risk calculation**

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Reporting on astraia software



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Diagnosis No obvious fetal defects  
Normal uterine artery Doppler and cervical length

**Comments:**

There is a single viable intrauterine pregnancy that corresponds to dates.

The nuchal translucency measurement and fetal heart rate has reduced the maternal age related risk for chromosomal abnormalities from 1 in 920 to 1 in 10747.

The nasal bone is present. The Tricuspid Valve and Ductus Venosus Doppler are normal.

I have offered the option of risk reassessment with first trimester biochemistry to the couple.

The cervix measures 30 mm (on TAS) with no evidence of funneling. The uterine artery Doppler (Mean PI-1.76) is normal for this gestation.

The detections rates for chromosomal abnormalities with various screening tests are as follows -

First trimester NT only - 75%

First trimester Combined ( NT + maternal blood test) - 80 - 85%

Sequential screening ( Combined + Quadruple at 15 - 19w + Genetic sonogram at 18-20w) - 95%

Maternal blood test for cell free fetal DNA - 99%

Invasive testing (CVS / Amniocentesis), which is the definitive test has a procedure related risk of about 1:300.

*I, Dr. Mythreyi K, declare that while conducting ultrasonography/ image scanning on Mrs.Saraswathi, I have neither detected nor disclosed the sex of her fetus to anybody in any manner.*

FMF Operator : Dr. Mythreyi K

FMF Operator ID : 176699

Operator: Dr. Mythreyi K, Consultant in Fetal Medicine

