

Saraswathi Shivakumar

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

Address: Kothapet Hospital no.: 278034
 Hyderabad
 India
 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

Page 1 of 3 printed on 20 August 2022. Saraswathi Shivakumar examined on 20 August 2022.

Reporting on astraia software



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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 detection 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

