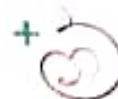


Dr. PURVI AGRAWAL

MBBS, DGO, DNB
FELLOWSHIP IN FETAL MEDICINE FROM ADI
ADVANCED FETAL MEDICINE CENTER (BANGALORE)
FETAL MEDICINE FOUNDATION (LONDON)
FMF ID - 214359



KRISHNA FETAL
MEDICINE CENTER

First Trimester Screening Report

SAHU MRS. THAGNI

Date of birth : 25 February 2004, Examination date: 05 June 2025

Address: RAIPUR
C.G.
INDIA

Hospital no.: K 0005759

Referring doctor: DR. H.L. SAHU

Maternal / Pregnancy Characteristics:

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

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

Maternal weight: 38.0 kg; Height: 154.0 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: 09 February 2025

EDD by dates: 16 November 2025

First Trimester Ultrasound:

US machine: GE VOLUSON S8. Visualisation: good.

Gestational age: 12 weeks + 5 days from CRL

EDD by scan: 13 December 2025

Findings	Alive fetus
Fetal heart activity	visualised
Fetal heart rate	152 bpm
Crown-rump length (CRL)	63.0 mm
Nuchal translucency (NT)	1.2 mm
Biparietal diameter (BPD)	23.0 mm
Ductus Venosus PI	0.850
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: ECHO - cardia appears normal for the gestation; situs is normal; 4 chamber appears normal; 3 vessel appears normal; Abdominal wall: appears normal; Stomach: visible; Bladder / Kidneys: visible; Hands: both visible; Feet: both visible.

Uterine artery PI:	1.35	equivalent to 0.790 MoM
Mean Arterial Pressure:	56.2 mmHg	equivalent to 0.720 MoM
Endocervical length:	30.0 mm	

Page 1 of 3 printed on 05 June 2025 - SAHU MRS. THAGNI examined on 05 June 2025.

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Beside Agrasen Hospital, Samta Colony, Raipur (492001) Ph : 0771 - 4336317

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KRISHNA FETAL
MEDICINE CENTER

First Trimester Screening Report

Risks / Counselling:

Patient counselled and consent given.

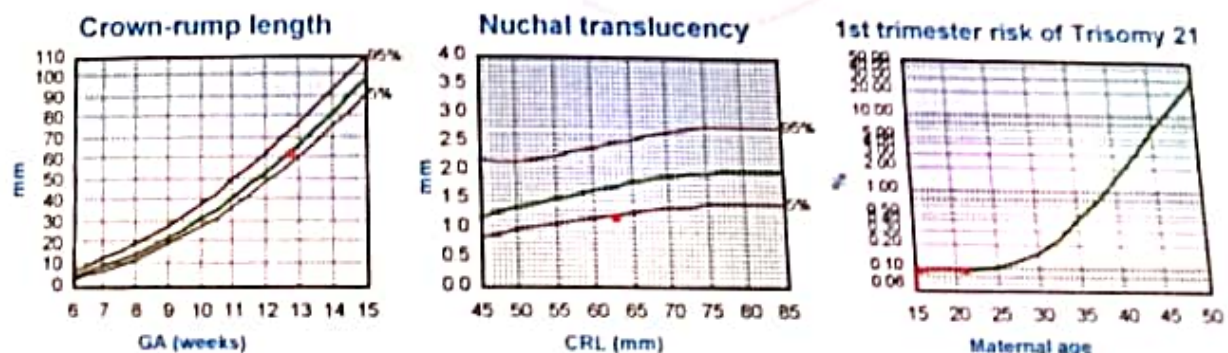
Operator: Purvi Agrawal, FMF Id: 214359

Condition	Background risk	Adjusted risk
Trisomy 21	1: 1076	1: 5380
Trisomy 18	1: 2617	1: 7930
Trisomy 13	1: 8212	<1: 20000
Preeclampsia before 34 weeks		1: 16973
Fetal growth restriction before 37 weeks		1: 75
Spontaneous delivery before 34 weeks		1: 66

The background risk for aneuploidies is based on maternal age (21 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). The adjusted risk for PE < 34 weeks or the adjusted risk for FGR < 37 weeks is in the top 10% of the population. The patient may benefit from the prophylactic use of aspirin. 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).



Comments

- *SINGLE LIVE INTRA UTERINE GESTATION.
- *ESTIMATED GESTATIONAL AGE BY FETAL BIOMETRY: 12 Week 05 Days +/- 1 Week.
- *NO OBVIOUS SONOLOGICAL STRUCTURAL ABNORMALITIES DETECTED FOR THE GESTATION

Page 2 of 3 printed on 05 June 2025 - SAHU MRS. THAGNI examined on 05 June 2025.

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First Trimester Screening Report

- NT, NB AND TRICUSPID FLOW WITH IN NORMAL LIMITS
- NORMAL ENDOCERVICAL LENGTH: 3.0 cm (TVS)
- UTERINE ARTERY DOPPLERS: SCREEN NEGATIVE FOR PET
- **AGREED EDD (AS PER USG): 13/12/2025**

••COMMENTS:

After detailed NT scan, the risk of Down's syndrome has reduced from

1: 1076 (Background risk based on maternal age) to

T 21 IS 1: 5380 (Based on NT+ NB + Tricuspid Flow + FHR)

T 18 IS 1: 7930 (Based on NT+ NB + Tricuspid Flow + FHR)

T13 IS 1: 20000 (Based on NT+ NB + Tricuspid Flow+ FHR)

(Risk estimate at current gestation)

I have explained that this is risk assessment only and chromosomal abnormalities can not be diagnosed by ultrasound and or blood test.

The only way to know the chromosomal make up of the fetuses is by Invasive tests. I have explained different screening tests and their limitation.

please note:

all abnormalities and genetics syndromes cannot be ruled out by ultrasound examination.

Ultrasound examination has its own limitations. Some abnormalities evolve as the gestation advances. The pick up rate of abnormality depends on

gestational age of the fetus, fetal position, tissue penetration of sound waves, and patients body habitus.

SUGGESTED: DUAL MARKER TEST WITH PLGF.

Declaration:

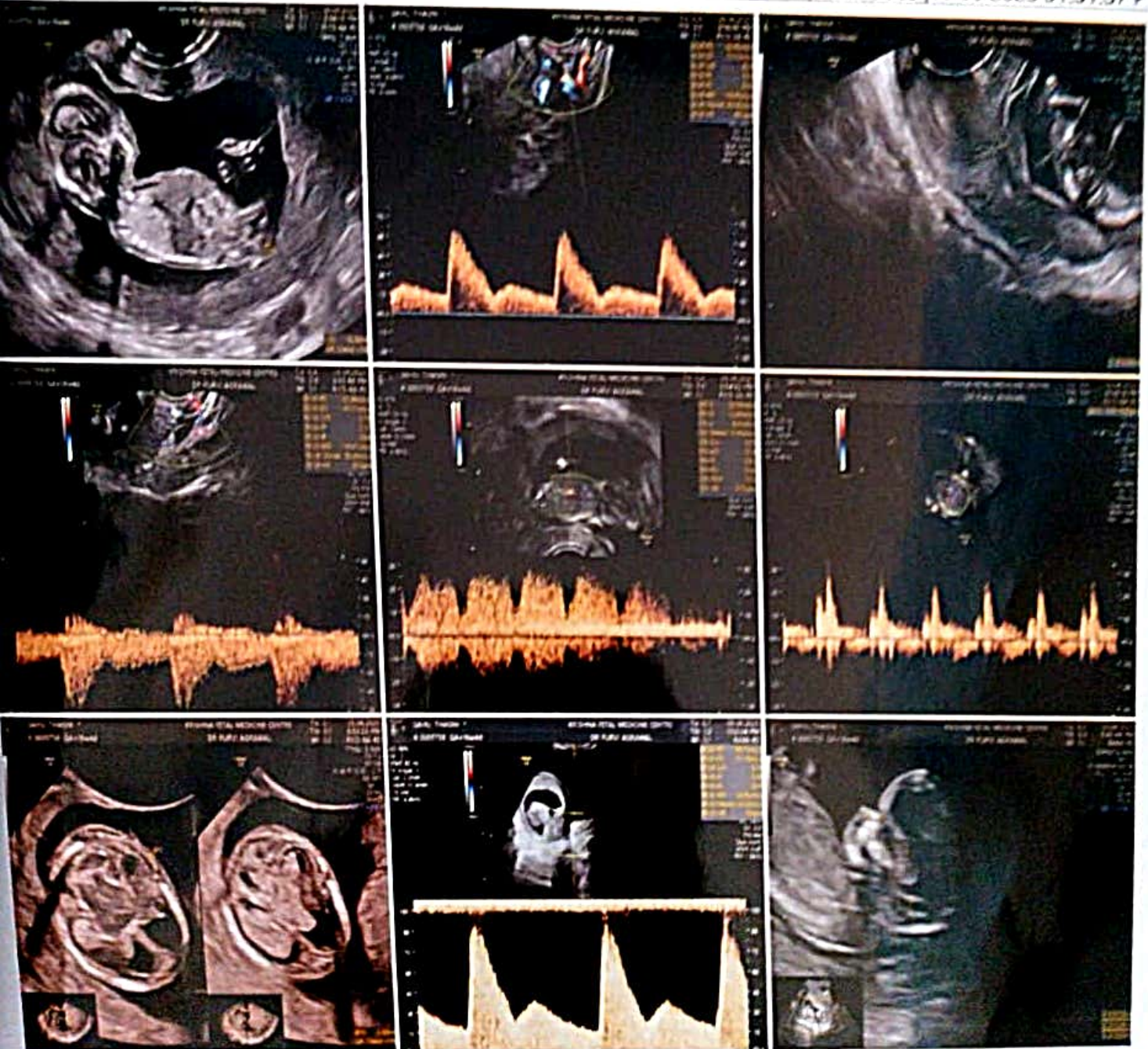
I, Dr. PURVI AGRAWAL, declare that while conducting ultrasonography on Mrs. THAGNI SAHU, I have neither detected nor disclosed the sex of her fetus to anybody in any manner.

DR. PURVI AGRAWAL
MBBS, DGO, DNB, FETAL MEDICINE
CG Reg No: 6950/2016

Thank you for the courtesy of this referral

The report expressed is subject to the inherent limitations of the modality. Always correlate clinically and with other investigations to arrive at the final diagnosis. The report and films are not valid for medicolegal purpose.

Patient name	Mrs. SAHU THAGNI	Age/Sex	- / Females
Patient ID	K 0005750	Visit no	1
Referred by	Dr. H.L. SAHU	Visit date	05/06/2025 01:51:31 P



NT SCAN Check List (11-14 Weeks)

NAME: Thegni Sahu HOS ID: 70005759 DATE: 5/06/2025

Sonographic fetal Anatomy	N	AB	NE	Technical condition:
Head				Good
Skull, Shape	✓			Limited by: Adiposity, Fetal position, Oligohydramnios
Midline Falx	✓			
Thalamus	✓			
Ventricles and Aqeduct	✓			Gestational age by (LMP/Scan): Wk D
IT	✓			USG age: Wk D
Face				Cervix: 13 cm
RNT	✓			
Mandibular Gap	✓			Uterine A PI Rt: 1.1 Lt: 1.6
Ear	✓			
Orbits	✓			Screen-negative
Thorax				
Shape	✓			TR: ✓
Lungs	✓			FHR: 158
Heart				NT 1.2 NB: 2.8 IT: 2.2
Size & Axis	✓			CRL: 63.0
4 chamber	✓			K Angle: ✓
3 V View	✓			
Tricuspid Flow	✓			Digits: ✓
Abdomen				DV Doppler: 0.85
Stomach	✓			BPD: 23.0
Diaphragm	✓			Kidneys: ✓
Bladder	✓			Situs: ✓
3 v Cord	✓			
Cord insertion	✓			Placenta: Posterior, low
Spine				
All three planes	✓			
Limbs				
Right arm (Incl hand)	✓			Conclusion:
Right Leg (Incl Foot)	✓			✓ Normal and complete examination
Left arm (Incl hand)	✓			Normal with finding & complete exam
Left Leg (Incl Foot)	✓			Abnormal and complete examination

N: Normal, AB: Abnormal, NE: Not examined

[Signature]