

First Trimester Ultrasound

Patient: PHADTARE VAISHALI DOB: 09-10-1989

Exam date: 16-12-2025

History **General** Smoking: no. Height 147 cm, 4 ft 10 in
History

Method Transabdominal and transvaginal ultrasound examination. View: Sufficient

Pregnancy Singleton pregnancy. Number of fetuses: 1

Dating		Date	Details	Gest. age	EDD
	LMP	14-09-2025	Cycle: regular cycle	13 w + 2 d	21-06-2026
	Conception		Conception: spontaneous		
	U/S	16-12-2025	based upon CRL	13 w + 6 d	17-06-2026
	Agreed dating		based on ultrasound (CRL)	13 w + 6 d	17-06-2026

General **Cardiac activity present**
Evaluation **Placenta:** anterior, not low lying
Cord vessels: 3 vessel cord
Amniotic fluid: Adequate

Fetal Biometry	FHR	168 bpm	95%	IT	1.4 mm	
	CRL	78.9 mm	13w 6d 53%	APAD	21.4 mm	13w 1d
	NT	1.70 mm		TAD	22.4 mm	13w 1d
	BPD	26.8 mm	14w 5d 79%	AC	68.8 mm	13w 3d 44%
	OFD	32.3 mm	-/-	Humerus	13.0 mm	37%
	HC	93.0 mm	14w 2d 44%	Femur	12.3 mm	13w 4d 34%

Fetal Anatomy Heart: 4 chamber view and great arteries normal.

The following structures appear normal:

Cranium. Face. Neck. Great vessels. Abdominal wall. Stomach. Kidneys. Bladder. Spine.
Arms. Legs.

Fetal Doppler **Ductus Venosus:**
PIV 0.96 52%

Maternal Doppler **Right uterine artery:**
PI 1.10 9%
Left uterine artery:
PI 1.31 26%
Mean PI 1.21 17%

Maternal Structures **Cervix** Approach - Transvaginal: Cervical length 29.0 mm

External ID 1: 008261
Date 16-12-2025

First Trimester Risk Assessment

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Risk Parameters

Maternal Characteristics and History

Age: 36 yrs. Height 147 cm, 4 ft 10 in. Weight 43 kg, 95 lb. Ethnic origin: Indian. Smoking currently: no. Conception: spontaneous
Diabetes mellitus: no. History of chronic hypertension: no. Systemic lupus erythematosus: no. Antiphospholipid syndrome: no. Maternal family history of preeclampsia: no
Parity (pregnancies after 23 weeks): nulliparous
Previous pregnancy with preeclampsia: yes. Previous pregnancy with fetal growth restriction: no

U/S Markers

Nasal bone: present. Tricuspid regurgitation: absent. Fetal cardiac activity: present. FHR 168 bpm. Ductus ven. PIV 0.96. Holoprosencephaly: no. Diaphragmatic hernia: no. AV- septal defect: no. Exomphalos: no. Megacystis ≥ 7 mm: no.

Biophysical Markers

A. uterine mean PI 1.21, equivalent to 0.7767 MoM.
Mean MAP 80.3 mmHg, equivalent to 0.9964 MoM.

Risk Assessment

Chosen trisomy screening option: Tr21, Tr18 and Tr13.

Risk at time of screening	Trisomy 21	Trisomy 18	Trisomy 13
Background risk	1 in 219	1 in 571	1 in 1,780
Adjusted risk	1 in 899	1 in 1,881	1 in 1,293

The background risk is based on maternal age. The adjusted risk (risk at time of screening) is calculated on the basis of the background risk, ultrasound markers (nuchal translucency and fetal heart rate).

The risk assessment was performed by Mayuri Dixit. The estimated risk is calculated by the FMF-01-04-2016 software and is

ARNAVI FETAL MEDICINE CENTRE LLP, SATARA

Name : PHADTARE VAISHALI AMOL / F

16 Dec 2025

