



KALPATARU DIAGNOSTIC CENTRE

Dr. Apeksha Rathod

MBBS (MUHS Gold Medal)

MD Radiology (MUHS Silver Medal), DNB Radiology

FMF UK Certified for First Trimester Screening

(FMF Id-250746)

Sonography, Colour Doppler & Digital X-Ray

Name of Pt : Mrs. Jyoti Vishnu Doifode

Ref BY : Dr Apurva Deshpande madam

Dated : July 20, 2024

SONOGRAPHY OF GRAVID UTERUS

LMP:26/04/2024

GA(LMP): 12 wks 1 days

EDD by LMP: 31/01/2025

Single viable intrauterine fetus is seen with changing presentation at the time of examination.

Fetal movements and cardiac pulsation are well appreciated. FHR: 140 bpm.

Placenta is anterior. Grade I maturity.

Liquor is adequate for gestational age.

Cervical length: 4.3 cm

FOETAL BIOMETRY: -

CRL : 5.78 cm corresponding to 12 wks 2 days

BPD : 1.99 cm corresponding to 13 wks 1 days

HC : 8.00 cm corresponding to 13 wks 3 days

AC : 5.85 cm corresponding to 12 wks 5 days

FML : 0.78 cm corresponding to 12 wks 3 days

These parameters correspond with sonic maturity of around 12 wks 6 day.

EFW is 60 gms.

A. NT : well demonstrated. Thickness - 0.11 cm.

B. Other markers: 1. Nasal bones seen.

2. Limb buds normal.

C. Doppler: Ductus venosus flow normal.

D. No e/o tricuspid regurgitation.

PTO



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Fetal survey:

Head: cranial vault – normal. Midline Falx seen.

Choroid plexuses seen filling the ventricular cavity (butterfly sign)

Intracranial translucency – normal.

Facial profile : PMT seen.

Spine : intact overlying skin.

Chest: Symmetrical lung fields noted . No e/o effusion or masses.

Heart :cardiac activity regular. Four symmetrical chambers seen.

On color flow : two ventricular inflow s and two outflows tracts seen.

Abdomen : normal cord insertion. Stomach in left upper quadrant , bladder seen.

Extremities : four limbs each with three segments seen.

Uterine arteries:

Right : PI: 0.73

Left : PI: 2.74

Mean PI : 1.7— (63rd percentile) normal for gestational age.

Both uterine arteries show normal color flow and spectral waveform

No early diastolic notch seen.

OPINION : Single live intrauterine gestation with average sonic maturity of around

12 wks 6 day. EDD by USG: 26/01/2025

GA assigned as per biometry.

CRL measures 5.78 cm. NT measures 0.11 cm (21st percentile for this CRL).

Suggested follow up anomaly scan at 20-22 weeks

Thanks for referral

All measurements including estimated fetal weight, are subject to statistical variations.
Not all anomalies can be detected on sonography.

First trimester screening and preeclampsia report attached -----PTO



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First Trimester Screening Report

DOIFODE JYOTI VISHNU

Date of birth : 23 April 1996, Examination date: 20 July 2024

Maternal / Pregnancy Characteristics:

Racial origin: South Asian (Indian, Pakistani, Bangladeshi).
Parity: 1; Spontaneous deliveries between 16-30 weeks: 0; 31-36 weeks: 0; Deliveries at or after 37 weeks: 1.
Maternal weight: 65.0 kg; Height: 158.0 cm.
Smoking in this pregnancy: no; Diabetes Mellitus: no; Chronic hypertension: no; Systemic lupus erythematosus: no; Antiphospholipid syndrome: no; Preeclampsia in previous pregnancy: no; Previous small baby: no; Patient's mother had preeclampsia: no.
Method of conception: Spontaneous;
Last period: 26 April 2024

EDD by dates: 31 January 2025

First Trimester Ultrasound:

US machine: VINNO G 65.

Findings	
Fetal heart activity	Alive fetus visualised
Fetal heart rate	140 bpm
Crown-rump length (CRL)	57.8 mm
Nuchal translucency (NT)	1.1 mm
Biparietal diameter (BPD)	19.9 mm
Ductus Venosus PI	0.670
Placenta	anterior high
Amniotic fluid	normal
Cord	3 vessels

Chromosomal markers:

Nasal bone: present; Tricuspid Doppler: normal.

Fetal anatomy:

Skull/brain: appears normal; Spine: appears normal; Stomach: visible; Bladder / Kidneys: visible; Hands: both visible; Feet: both visible.

Uterine artery PI:	1.74	equivalent to 1.050 MoM
Mean Arterial Pressure:	91.2 mmHg	equivalent to 1.080 MoM
Endocervical length:	43.0 mm	

Risks / Counselling:

Patient counselled and consent given.

Operator: apeksha chavan, FMF Id: 250746

Condition	Background risk	Adjusted risk
Trisomy 21	1: 773	1: 3866
Trisomy 18	1: 1833	1: 5554
Trisomy 13	1: 5765	<1: 20000
Preeclampsia before 34 weeks		1: 854
Fetal growth restriction before 37 weeks		1: 294
Spontaneous delivery before 34 weeks		1: 2096

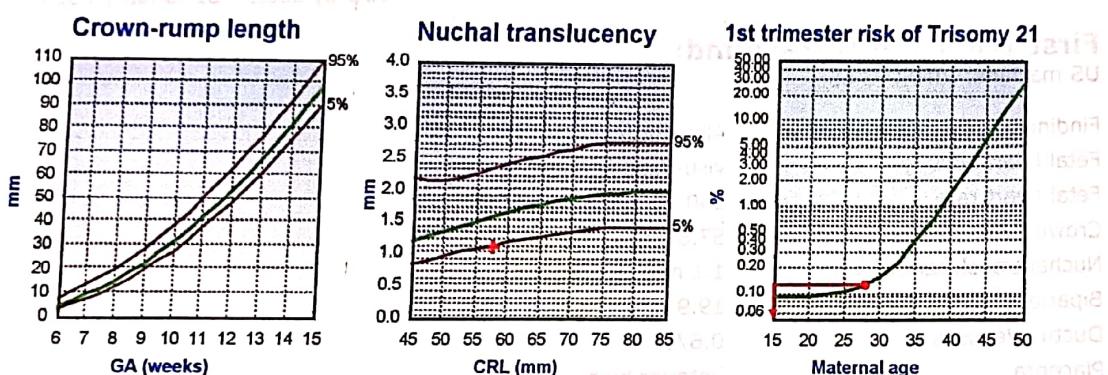
First Trimester Screening Report

The background risk for aneuploidies is based on maternal age (28 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).

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).



Dr. Apeksha U. Chavan
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KALPATARU DIAGNOSTIC CENTRE

Exam Date: 20-07-2024

Operator: DR APEKSHA CHAVAN

YOTI VISHNU DOIFODE
DR APURVA DESHPANDE MADAM

