



KALPATARU DIAGNOSTIC CENTRE

Apeksha Rathod
MHS Gold Medal
MHS Silver Medal, DNB Radiology
Certified for First Trimester Screening
50748

**Sonography, Colour Doppler
& Digital X-Ray**

Fetal survey:

Head: cranial vault – normal. Midline Falx seen. Facial profile : PMT seen.

Choroid plexuses seen filling the ventricular cavity (butterfly sign)

Intracranial translucency – normal.

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: 2.22

Left : PI: 2.73

Mean PI : 2.4— (97th percentile) pathological for gestational age.

Early diastolic notch seen on both sides.

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

12 wks 5 day. GA assigned as per biometry. EDD by USG: 08/06/2025

CRL measures 6.08 cm .NT measures 0.11 cm (19th percentile for this CRL) .

Umbilical vein seen opening into IVC through DV , insertion seen lower down below

hepatic vein and RA junction. F/s/o Abnormal shunt type II (DVSS)

Central placenta covering os.

Raised mean uterine artery Pi – risk of PIH explained

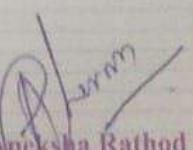
Intra 20% association of abnormal shunts with chromosomal abnormalities, Suggested biochemical correlation , follow up scan at 16-17 weeks for evolving anomalies and SOS genetic testing.

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




Dr. Apeksha Rathod
MD DNB Radiology



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. Priyanka Girdhar Yadav

Ref BY : Dr Chandaliya madam

Dated : November 30, 2024

SONOGRAPHY OF GRAVID UTERUS

LMP:30/08/2024

GA(LMP): 13 wks 1 days

EDD by LMP: 06/06/2025

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

Fetal movements and cardiac pulsation are well appreciated. FHR: 179 bpm.

On TVS: Placenta is central covering os. Grade I maturity.

Liquor is adequate for gestational age.

Cervical length: 3.5 cm

FOETAL BIOMETRY:-

CRL: 6.08 cm corresponding to 12 wks 4 days

BPD: 2.08 cm corresponding to 13 wks 2 days

HC: 7.52 cm corresponding to 13 wks 1 days

AC: 5.75 cm corresponding to 12 wks 4 days

FML: 0.77 cm corresponding to 12 wks 2 days

These parameters correspond with sonic maturity of around 12 wks 5 day.

EFW is 59 gms.

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

B. Other markers : 1. Nasal bones seen.

2. Limb buds normal.

C. Doppler : Umbilical vein seen opening into IVC through DV, insertion seen well below hepatic vein and RA junction. Ductus venosus flow normal. F/s/o Abnormal shunt type II (DVSS)

D. No e/o tricuspid regurgitation.

PTO



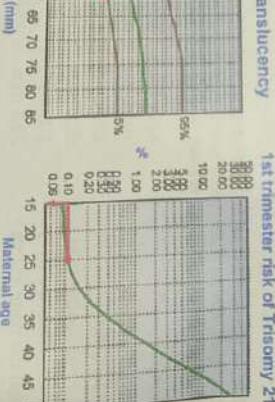
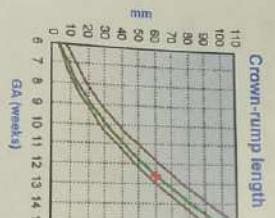
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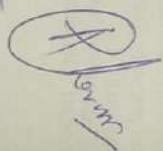
First Trimester Screening Report

Background risk

Condition	Background risk	Adjusted risk
Trisomy 21	1: 946	1: 4728
Trisomy 21	1: 2275	1: 6895
Trisomy 18	1: 7148	1: 2275
Trisomy 13		1: 546
Preeclampsia before 34 weeks		1: 69
Preeclampsia before 37 weeks		1: 262
Fetal growth restriction before 34 weeks		
Spontaneous delivery before 34 weeks		
The background risk for aneuploidies is based 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 FiMF-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.
MBBS, MD, DNB (RA)
Reg. No. 2011



First Trimester Screening Report

Yadav Priyanka Girdhar

Date of birth : 15 July 1999, Examination date: 30 November 2024

Address: Nyay nagar
AURANGABAD 431001
INDIA

Mobile phone: 9919719364

Referring doctor: DR. DR. ARPANA CHANDALIYA MAHAVEER HOSPITAL
PLOT NO - 13 A KALPATARU Telephone: 02402354668
Address: HOUSING SOCIETY, GARKHEDA
AURANGABAD

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: 0.
Maternal weight: 41.0 kg; Height: 146.0 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: 30 August 2024

EDD by dates: 06 June 2025

First Trimester Ultrasound:

US machine: VINNO G 65. Visualisation: good.
Gestational age: 12 weeks + 4 days from CRL

EDD by scan: 10 June 2025

Findings	Alive fetus
Fetal heart activity	visualised
Fetal heart rate	179 bpm
Crown-rump length (CRL)	60.8 mm
Nuchal translucency (NT)	1.1 mm
Biparietal diameter (BPD)	20.8 mm
Ductus Venosus PI	1.100
Placenta	posterior low
Amniotic fluid	normal

Chromosomal markers:

Nasal bone: present; Tricuspid Doppler: normal.

Fetal anatomy:

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

Uterine artery PI: 2.48 equivalent to 1.440 MoM

Mean Arterial Pressure: 79.8 mmHg equivalent to 1.020 MoM

Endocervical length: 35.0 mm

Risks / Counselling:

Patient counselled and consent given.

Operator: apreksha chavan, FMF Id: 250746