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Patient name Mrs. RUCHA KOTANGLE  
Patient ID 29-12-2023-0022  
Referred by Dr. SUTIKAGRUH PANCHPAOLI  
LMP date 25/09/2023, LMP EDD: 01/07/2024[13W 4D]

Age/Sex 26 Years / Female  
Visit no 1  
Visit date 29/12/2023

**OB - First Trimester Scan Report**

**Indication(s)**

NT SCAN

Real time B-mode ultrasonography of gravid uterus done.

Route: Transabdominal

Single intrauterine gestation

**Maternal**

Cervix measured 3.65 cm in length.

INTERNAL OS CLOSED

Right Uterine	2.28	—●— (94%)
Left Uterine	2.22	—●— (90%)
Mean PI	2.25	—●— (92%)

**Fetus**

**Survey**

Placenta : Posterior  
Liquor : Adequate  
Umbilical cord : Three vessel cord seen  
Fetal activity : Fetal activity present  
Cardiac activity : Cardiac activity present  
Fetal heart rate - 150 bpm

**Biometry (mm)**

CRL	79.7, 13W 6D	—●— (65%)
BPD	23.8, 13W 6D	—●— (53%)
HC	86.6, 13W 6D	—●— (39%)
AC	74.2, 13W 6D	—●— (55%)
FL	10.6, 13W 1D	—●— (31%)

**Fetal doppler**

Ductus Venosus PI	0.86	—●— (52%)
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IT - 2.65 mm

**Aneuploidy Markers (mm)**

Nasal Bone	2.1	● — (3%)
	Present	
NT	1.54	● — (14%)
	Normal	
Ductus Venosus	Normal flow	
Tricuspid Regurgitation	No TR	

**Fetal Anatomy**

Intracranial structure appeared normal. Midline falx seen.

Both lateral ventricle appeared normal..

No identifiable lesion seen.

Neck appeared normal.

Foetal spine, appears normal

No evidence of cleft /palate seen

No evidence of significant open neural tube defect seen.

Foetal face seen in coronal and profile views.

Both orbits nose and mouth appeared normal.

Both lungs seen. No evidence of pleuropericardial effusion seen.

No evidence of SOL in thorax.

Normal cardiac situs. Four chambers, three vessels view normal. Overall heart appeared normal. Cardiac situs normal.

Abdominal situs appeared normal.

Normal insertion of three vessel cord seen.

Stomach and bowel appeared normal.

Both foetal kidneys and urinary bladder appeared normal.

## Risk assessment

### Risk for preeclampsia

Report date 29-12-2023

Examination date 29-12-2023

Gestational age 13<sup>+3</sup> weeks

#### Maternal characteristics

Age in years 26.7

Height in cm 152

Weight in kg 36

Racial origin South Asian

Smoking during pregnancy No

Family history of preeclampsia No

Method of conception Spontaneous

Singleton or twins Singleton

#### Medical history

Chronic hypertension No

Diabetes type I No

Diabetes type II No

Systemic lupus erythematosus No

Anti-phospholipid syndrome No

#### Obstetric history

Parity Nulliparous

#### Biophysical measurements

Mean arterial pressure 75 mmHg (0.977 MoM)

Uterine artery PI 1.3 (0.75 MoM)

Measurement date 29-12-2023

#### Preeclampsia risk from history only

< 37 weeks: 1 in 156

#### Preeclampsia risk from history plus MAP, UTPI

< 37 weeks: 1 in 667

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All four limbs overall appeared normal.

No evidence of club foot noted.

No obvious congenital anomaly noted as per this scan.

**Impression**

INTRAUTERINE GESTATION CORRESPONDING TO A GESTATIONAL AGE OF 13 WEEKS 4 DAYS  
GESTATIONAL AGE ASSIGNED AS PER LMP

EDD 01-07-2024 is assigned as per LMP

Preeclampsia risk from history only

< 37 weeks : 1 in 156

Preeclampsia risk from history plus MAP, UTPI

< 37 weeks : 1 in 667 (low risk) Cutoff is 1 in 150

Suggested to incorporate this

new PE risk with serum PAPP A to derive the final risk for Preeclampsia/FGR

First trimester screening for Downs

Maternal age risk 1 in 1253

Fetus	Risk estimate - NT	Risk estimate - NT + NB	Markers name
A	1 in 7371	1 in 24569	Nasal Bone Present

**Disclaimer**

I DR. MANISHA BHAWATKAR NEITHER DETECT NOR DISCLOSED THE SEX OF THE FOETUS TO THE PATIENT OR RELATIVE IN ANY MANNER.

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