

DR.ANKITA SONOGRAPH ARCHANA, 30Y F,
26/09/23 06:52:12PM ADM 260923-065048PM

MI 1.2 Tls 0.5 4C
16w5d:LMP OB-1

FR 32
AO% 100
CHI
Frq 4.0
Gn 37
S/A 44
Map F/0
D 14.0
DR 72



CRL 7.89 cm 13w6d

DR.ANKITA SONOGRAPH ARCHANA, 30Y F,
26/09/23 06:52:41PM ADM 260923-065048PM

MI 1.2 Tls 0.5 4C
16w5d:LMP OB-1

FR 32
AO% 100
CHI
Frq 4.0
Gn 37
S/A 44
Map F/0
D 14.0
DR 72

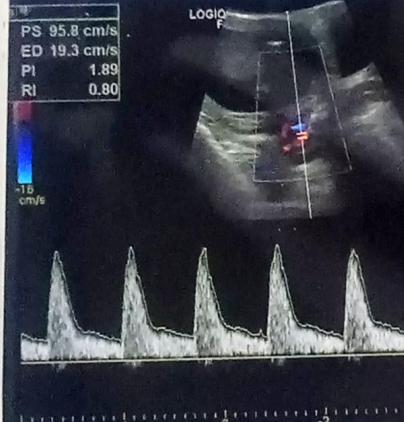


1 L 3.01 cm

DR.ANKITA SONOGRAPH ARCHANA, 30Y F,
26/09/23 06:53:14PM ADM 260923-065048PM

MI 0.5 Tls 0.7 4C
16w5d:LMP OB-1

2 - FR 15
AO% 100
CHI
Frq 4.0
Gn 37
D 14.0



PS 95.8 cm/s
ED 19.3 cm/s
PI 1.89
RI 0.80

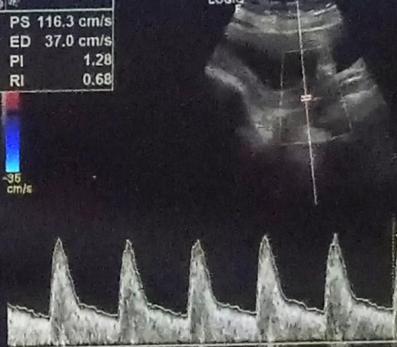
7 - CF
Frq 2.8
Gn 29.0
PRF 1.2
WF 140

12 - PW
Frq 2.5
Gn 42
PRF 5.4
WF 100
SV 2
SVD 8.1

DR.ANKITA SONOGRAPH ARCHANA, 30Y F,
26/09/23 06:53:39PM ADM 260923-065048PM

MI 0.4 Tls 0.5 4C
16w5d:LMP OB-1

0 - FR 15
AO% 100
CHI
Frq 4.0
Gn 37
S/A 44
Map F/0
D 14.0
DR 72



PS 116.3 cm/s
ED 37.0 cm/s
PI 1.28
RI 0.68

-35 cm/s

DR.ANKITA SONOGRAPH ARCHANA, 30Y F,
26/09/23 06:54:34PM ADM 260923-065048PM

MI 1.2 Tls 0.8 4C
16w5d:LMP OB-1

FR 16
AO% 100
CHI
Frq 4.0
Gn 44
D 11.0

8 - CF

Frq 2.8

Gn 29.0

L/A 1/3

PRF 2.5

WF 328

SVD 510



DR.ANKITA SONOGRAPH ARCHANA, 30Y F,
26/09/23 06:55:00PM ADM 260923-065048PM

MI 1.2 Tls 0.6 4C
16w5d:LMP OB-1

FR 32
AO% 100
CHI
Frq 4.0
Gn 44
S/A 44
Map F/0
D 11.0
DR 72



DR.ANKITA SONOGRAPHY ARCHANA, 30Y F,
26/09/23 06:55:17PM ADM 260923-065048PM

MI 1.2 Tib 0.6 4C
16w5d:LMP OB-1

FR 34
AO% 100
CHI
4 II Freq 4.0
Gn 44
S/A 4/4
Map F/0
D 11.0
DR 72

6
8

LOGIO



DR.ANKITA SONOGRAPHY ARCHANA, 30Y F,
26/09/23 06:57:03PM ADM 260923-065048PM

MI 1.2 Tib 0.6 4C
16w5d:LMP OB-1

FR 34
AO% 100

6
8

LOGIO



1 NT 0.24 cm

DR.ANKITA SONOGRAPHY ARCHANA, 30Y F,
26/09/23 06:58:19PM ADM 260923-065048PM

MI 0.4 Tib 0.6 4C
16w5d:LMP OB-1

4 - FR 19
AO% 100
CHI
- Freq 4.0
- Gn 44
- D 11.0
- CF
- Freq 2.8
8 II Gn 29.0
PRF 2.2
WF 281

PW
Freq 2.8
Gn 42
PRF 7.4
WF 100
SV 2
SVD 6.9

INVERT



PS 37.0 cm/s
ED 14.4 cm/s
PI 0.95
RI 0.61
PS/ED 2.6
Accel 258.6 cm/s²
AT 0.05 s

-30
cm/s

DR.ANKITA SONOGRAPHY ARCHANA, 30Y F,
26/09/23 06:59:04PM ADM 260923-065048PM

MI 0.6 Tib 0.6 4C
16w5d:LMP N_ECHO

0 - FR
AO%
2 - CHI
II Freq 4.0
Gn 44
S/A 4/4
Map F/0
D 11.0
PRF 2.2
WF 281

8 PW
Freq 2.8
Gn 42
PRF 7.4
WF 100
SV 2
SVD 6.9



1 Time 0.788 s
HR 152 bpm

DR.ANKITA SONOGRAPHY ARCHANA, 30Y F,
26/09/23 06:59:14PM ADM 260923-065048PM

MI 1.1 Tib 0.5 4C
16w5d:LMP N_ECHO

FR 47
AO% 95
0 - CHI
- Freq 4.0
- Gn 81
- S/A 3/3
- Map 0/0
2 - D 9.0
DR 63
II

4 -

6 -



DR.ANKITA SONOGRAPHY ARCHANA, 30Y F,
26/09/23 06:59:14PM ADM 260923-065048PM

MI 1.2 Tib 0.6 4C
16w5d:LMP EDD12W4

Origin LMP 01/06/2023 BBT
GA 16w5d CUA 13w6d+1w2d
Fetus A/1
FetusPos PLAC
B Mode Measurements
CRL(Hadlock) 7.80 cm 7.89
NT 0.24 cm 0.24
Doppler Measurements
OB-2/3
Time 0.788 s 0.788
HR 152 bpm 152

Avg 13w6d T3w2d-7w4d

Avg 0.24

Max

अंकिता विजयवर्गीय

एम. डी. एम. असर डी

माइ. फैलोशिप :

विजयटल, पुण्यदी

प्रटल, पुण्यदी

सार्जिस्ट :

प्रटल, नोएडा

मि. हायिटल, दिल्ली

प्रटल लिपिटल, कानपुर

नेहरू कैम्प हायिटल, भोपाल

PATIENT'S NAME : MRS. ARCHANA

DR. ANKITA VIJAYVARGIYA

MBBS, DMRD

MRI FELLOWSHIPS :

- NANAVATI HOSPITAL, MUMBAI
- HINDUJA HOSPITAL, MUMBAI

FMF Certified from
Fetal Medicine Foundation
Reg. No. MP-0932

FORMER RADIOLOGIST AT:

- FORTIS HOSPITAL, NORDA
- G.T.B HOSPITAL, DELHI
- REGENCY HOSPITAL LTD, KANPUR
- JAWAHAR LAL NEHRU CANCER HOSPITAL, BHOPAL

AGE/SEX : 30Y/F

REF. BY : DR. RASHMI BAJPAI

DATE : 26.09.2023

OBSTETRIC USG (EARLY ANOMALY SCAN)

LMP: 01.06.2023

GA(LMP):16 wk 5d

EDD : 07.03.2024

- Single live fetus seen in the intrauterine cavity in **variable** presentation.
- Spontaneous fetal movements are seen. Fetal cardiac activity is regular and normal & is 152 beats /min.
- PLACENTA: is grade I, high anterior & **not low lying**.
- LIQUOR: is adequate for the period of gestation.

Fetal morphology for gestation appears normal.

- Cranial ossification appears normal. Midline falx is seen. Choroid plexuses are seen filling the lateral ventricles. No posterior fossa mass seen. Spine is seen as two lines. Overlying skin appears intact.
- No intrathoracic mass seen. No TR .
- Stomach bubble is seen. Bilateral renal shadows is seen. Anterior abdominal wall appears intact.
- Urinary bladder is seen, appears normal. 3 vessel cord is seen.
- All four limbs with movement are seen. Nasal bone well seen & appears normal. Nuchal translucency measures 2.4 mm (WNL).
- Ductus venosus shows normal flow & spectrum with positive "a" wave (PI ~ 0.95)

FETAL GROWTH PARAMETERS

▪ CRL 78.9 mm ~ 13 wks 6 days of gestation.

▪ Estimated gestational age is **13 weeks 6 days** (+/- 1 week). EDD by USG : 27.03.2024

▪ Internal os closed. Cervical length is WNL (30.1 mm).

➤ Baseline screening of both uterine arteries was done with mean PI ~ 1.58 (WNL for gestation).

➤ Date of last delivery **06.10.2020** .

➤ Gestation at delivery of last pregnancy **39 weeks 2 days**.

IMPRESSION:

- ➔ Single, live, intrauterine fetus of 13 weeks 6 days +/- 1 week - Small for date? mistaken dates/ delayed conception ?? cause (Corrected LMP : 21.06.2023).
- ➔ Gross fetal morphology is within normal limits.

Follow up at 19-22 weeks for target scan for detailed fetal anomaly screening.

Declaration : I have neither detected nor disclosed the sex of the fetus to pregnant woman or to anybody. (it must be noted that detailed fetal anatomy may not always be visible due to technical difficulties related to fetal position, amniotic fluid volume, fetal movements, maternal abdominal wall thickness & tissue ecogenicity. Therefore all fetal anomalies may not be detected at every examination. Patient has been counselled about the capabilities & limitations of this examination.)

(DR. ANKITA VIJAYVARGIYA)

First Trimester Screening Report

Nangal Archana

Date of birth : 15 August 1993, Examination date: 26 September 2023

Address: hno. s-14, danish kunj kolar
road
Bhopal
INDIA

Referring doctor: DR RASHMI BAJPAI

Maternal / Pregnancy Characteristics:

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

Parity: 1; Deliveries at or after 37 weeks: 1.

Maternal weight: 60.0 kg; Height: 152.4 cm.

Smoking in this pregnancy: no; Diabetes Mellitus: no; Chronic hypertension: no; Systemic lupus erythematosus: dont know; Antiphospholipid syndrome: dont know; Preeclampsia in previous pregnancy: no; Previous small baby: no; Patient's mother had preeclampsia: no.

Method of conception: Spontaneous;

Last period: 01 June 2023

EDD by dates: 07 March 2024

First Trimester Ultrasound:

US machine: logiq f6. Visualisation: good.

Gestational age: 13 weeks + 6 days from CRL

EDD by scan: 27 March 2024

| | | |
|--------------------------|----------------|--|
| Findings | Alive fetus | |
| Fetal heart activity | visualised | |
| Fetal heart rate | 152 bpm | |
| Crown-rump length (CRL) | 78.9 mm | |
| Nuchal translucency (NT) | 2.4 mm | |
| Ductus Venosus PI | 0.950 | |
| Placenta | posterior high | |
| Amniotic fluid | normal | |
| Cord | 3 vessels | |

Chromosomal markers:

Nasal bone: present; Tricuspid Doppler: normal.

Fetal anatomy:

Skull/brain: appears normal; Spine: appears normal; Heart: No TR.; Abdominal wall: appears normal; Stomach: visible; Bladder / Kidneys: visible; Hands: both visible; Feet: both visible.

| | | |
|-------------------------|-----------|-------------------------|
| Uterine artery PI: | 1.58 | equivalent to 1.060 MoM |
| Mean Arterial Pressure: | 84.6 mmHg | equivalent to 1.010 MoM |
| Endocervical length: | 30.1 mm | |

Risks / Counselling:

Patient counselled and consent given.

Operator: DR. ANKITA VIJAYVARGIYA, FMF Id: 204664

| Condition | Background risk | Adjusted risk |
|------------------------------|-----------------|---------------|
| Trisomy 21 | 1: 666 | 1: 13315 |
| Trisomy 18 | 1: 1738 | <1: 20000 |
| Trisomy 13 | 1: 5421 | <1: 20000 |
| Preeclampsia before 34 weeks | | 1: 1506 |

First Trimester Screening Report

Fetal growth restriction before 37 weeks

1: 259

The background risk for aneuploidies is based on maternal age (30 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, nasal bone, tricuspid Doppler, ductus venosus Doppler, 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).

