

**SHYAM
DIAGNOSTIC
CENTRE**

HIG R6 - E6, Arera Colony,
Near Sai Baba Board, Bhopal - 39.
Reg. No. Path/117/April. 14

Dr. Rakesh Mishra
M.D. (Radiology) FICR
Consultant C.T. & MRI
Regn. No. 7486
: 2424222, 2424233
: 9926013739,

◆ Digital X-Ray ◆ Echocardiography ◆ Ultrasonography & Colour Doppler ◆ Real Time 3D & 4D ◆ TVS/TRS

MRS KAVITA LONGRE 31 YRS/FEMALE DATE: 29.03.2024

REF BY DR GEETANJALI SHARMA

TARGETED IMAGING FOR FETAL ANOMALIES

(LMP : 14.11.2023 EGA by LMP : 19 WEEKS + 3 DAY)

There is single live fetus with spontaneous movements and regular fetal cardiac activity seen in uterine cavity. FHR is 148 beats per minute. Fetus shows changing position at the time of scan.

Fetal maturity parameters are as follows: -

| FETAL MATURITY PARAMETERS | MM | CORRESPONDING GESTATIONAL AGE |
|---------------------------|-------|-------------------------------|
| BIPARIETAL DIAMETER | 47.6 | 19 WKS + 4 DAYS |
| HEAD CIRCUMFERENCE | 168.4 | 19 WKS + 1 DAY |
| CEREBELLUM | 20.2 | 19 WKS + 3 DAYS |
| FEMUR LENGTH | 30.3 | 19 WKS + 4 DAYS |
| HUMERUS LENGTH | 29.9 | 19 WKS + 6 DAYS |
| TIBIA LENGTH | 26.3 | 19 WKS + 3 DAYS |
| ULNA LENGTH | 27.9 | 20 WKS + 2 DAYS |
| ABDOMINAL CIRCUMFERENCE | 144.2 | 19 WKS + 5 DAYS |

ESTIMATED FETAL WEIGHT: 307 Grams.

Placenta is lying attached to anterior wall of uterus. Grade '0' in maturity. Its inferior margin is touching the os. Cervical length is 3.47 cm.

Amniotic fluid is adequate in amount. AFI is 12.72 cm.

HEAD:

- Head appears normal in size and shape with symmetrical appearance.
- Both lateral ventricles appear normal.
- Midline falx echoes, thalami, both lateral ventricles and both choroids plexus appear normal.
- Posterior fossa structures including cerebellum appear normal.
- Cisterna Magna normal 5.3 mm.

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No SOL seen.

SPINE:

- ◆ Full length of vertebral column is visualized in sagittal and axial views and appears to be normal. Spine shows flexion and extension movements.

NECK:

- ◆ No cystic lesion is visible around the fetal neck.
- ◆ Nuchal skin fold thickness measures 2.8 mms.

FACE:

- ◆ Fetal face was visualized in profile and coronal scans.
- ◆ Both orbits, nose and lips appear normal. Binocular diameter measures 30.6 mms.
- ◆ Nasal bone was well visualized.

THORAX:

- ◆ Proportionate fetal thoracic cage.
- ◆ Normal cardiac situs and position.
- ◆ Four-chamber-view and outflow tract view appear normal.
- ◆ Regular rhythm seen. Intact IVS seen.
- ◆ Both lungs are visualized.
- ◆ No evidence of pleural or pericardial effusion.
- ◆ Diaphragm seen intact. No evidence of herniation.
- ◆ No SOL seen in thorax.

ABDOMEN:

- ◆ Anterior abdominal wall appears intact.
- ◆ Normal abdominal situs.
- ◆ Fetal stomach bubble is seen in its normal location (left upper abdomen), an fetal stomach and bowel appear to be normal.
- ◆ No ascites.

URINARY TRACT:

- ◆ Both kidneys are normal in size. No pelvicalyceal dilatation.

(Mrs Kavita Longre 19.03.2024)

Dr. Rakesh Mishra

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- Urinary bladder appears normal.

LIMBS:

- All the four limbs are seen and show movements. The long bones appear normal for the period of gestation.
- Both the hands and feet appear to be grossly normal. (Finger/toes not counted).

UMBILICAL CORD:

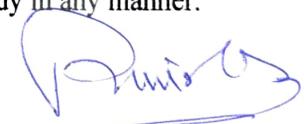
- Cord appears normal and reveals two arteries and one vein.
- It shows normal insertion at the umbilicus.

IMPRESSION: SINGLE LIVE FETUS IN UTERINE CAVITY ESTIMATED FETAL AGE IS 19 1/2 WEEKS + _ 4 DAYS OF GESTATION. LOW LYING PLACENTA. NO OBVIOUS SONOGRAPHICALLY DETECTABLE ANOMALY SEEN AT PRESENT IN PRESENT POSITION OF THE FETUS.

Bilateral uterine arteries show normal flow parameters for this gestation age.

Declaration of Doctor / Person conducting Ultrasonography/ Image scanning

I, Dr Rakesh Mishra declare that while conducting ultrasonography / Image scanning on Mrs Kavita Longre, I have neither detected nor disclosed the sex of her foetus to anybody in any manner.



Thanks for reference

Dr Rakesh Mishra

MD



Please note the limitations of Obstetric Ultrasound Scanning

1 Scanning of the fetal anatomy can be affected by various factors like maternal abdominal wall thickness & tissue echogenicity, scars, fetal lie, amniotic fluid volume, fetal gestation and other factors.

2 There fore all the anomalies may not be necessarily be detected.

3 A "Normal" scan of the fetus does not mean that the fetus will be normal at birth as the fetus is developing all the time. Furthermore, chromosomal anomalies can not be detected by ultrasound scan.

SHYAM DIAGNOSTIC CENTER

R6/E6 ARERA COLONY BHOPAL
BHOPAL

Telephone:

Fax:

Website:



Name: MRS KAVITA LONGRE

ID: 20240329-135425-B897

Age: 31 Years

Gender: Female

OB2

Exam Date: 29/03/2024

Equipment Used: MINDRAY DC-80

Clinical Indications & Data

LMP: 14/11/2023 GA: 19w3d EDD(LMP): 20/08/2024 AUA: 19w3d EDD(AUA): 20/08/2024 Gestations: 1

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2D Measurements

EFW

| | | | |
|-----------------------------|--------------------|-------|------|
| EFW | Hadlock(AC,FL,BPD) | 307g | ±45g |
| EFW-GA | Hadlock | 19w4d | |
| EFW-GP(LMP)(Hadlock):59.87% | | | |

| | | | | | |
|----------------------------|---------|------------------------------------|--------|---|-------------|
| BPD | Jeanty | 4.76cm | 19w4d | ✓ | 16w4d-22w5d |
| HC | Jeanty | 16.84cm | 50.40% | ✓ | 17w3d-20w6d |
| AC | Hadlock | 14.42cm | 56.36% | ✓ | 17w5d-21w5d |
| FL | Jeanty | 3.03cm | 63.68% | ✓ | 17w2d-21w5d |
| HUM | Jeanty | 2.99cm | 67.00% | | 17w1d-22w4d |
| Ulna | Jeanty | 2.79cm | 66.28% | | 17w2d-23w2d |
| Tibia | Jeanty | 2.63cm | 57.53% | | 16w4d-22w2d |
| OOD | Jeanty | 3.06cm | | | 16w3d-23w0d |
| TCD | Hill | 2.02cm | | | 17w4d-21w2d |
| CM:0.53cm | | NF:2.8mm | | | |
| NBL:4.7mm | | OFD(HC):5.85cm | | | |
| CI(HC):81.26 (70.00~86.00) | | HC/AC(Campbell):1.17 (1.09~1.26) | | | |
| FL/BPD:63.70 (GA OOR) | | FL/HC(Hadlock):17.99 (16.40~18.94) | | | |
| FL/AC:21.00 (20.00~24.00) | | TCD/AC:0.14 | | | |

AFI

| | |
|---------------|------------|
| AF1:3.92cm | AF2:3.71cm |
| AF3:2.69cm | AF4:2.39cm |
| AF(4):12.72cm | |

M Measurements

FHR:148bpm

Doppler Measurements

Right Ut A

PS:56.15cm/s
ED:29.98cm/s
RI:0.47

Left Ut A

PS:64.24cm/s
ED:29.03cm/s
RI:0.55



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OB2

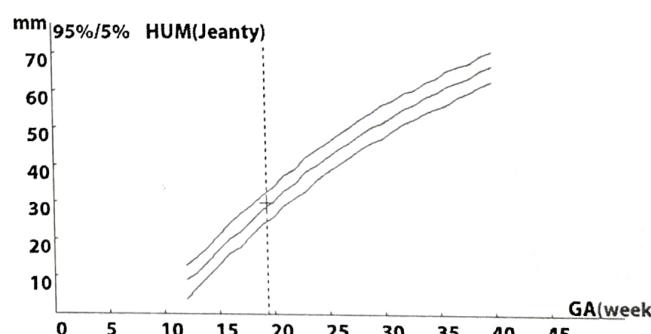
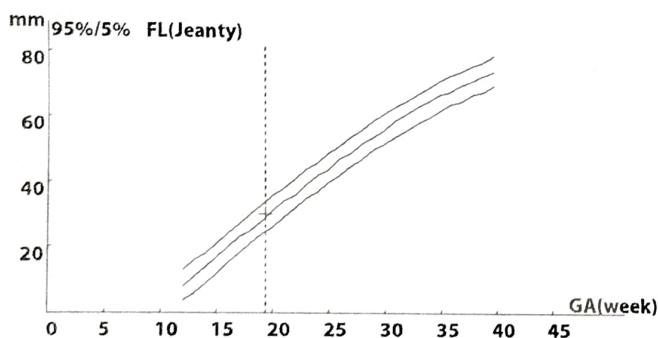
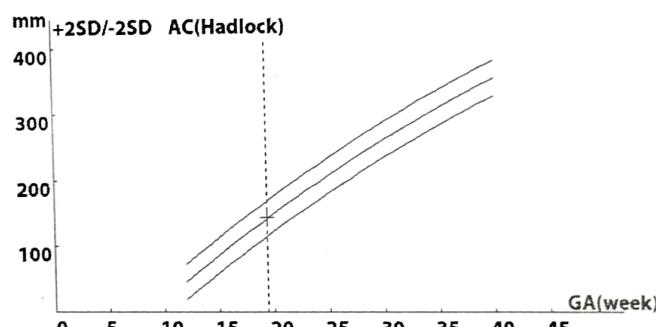
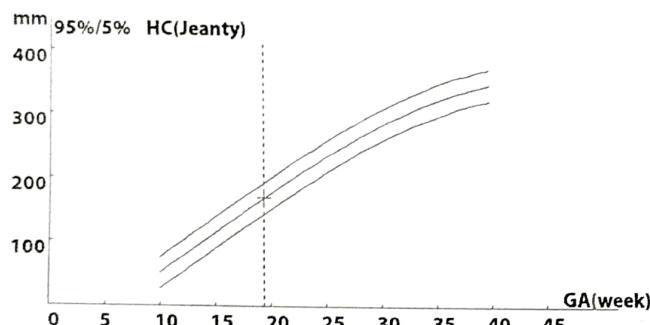
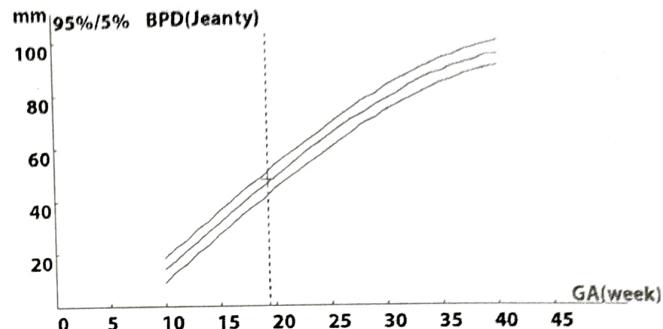
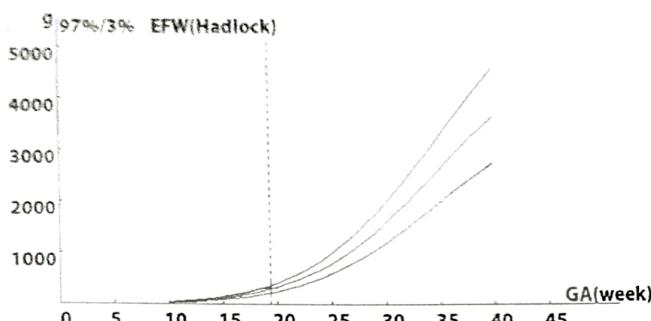
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PI:0.65
S/D:1.87
θ:0°

PI:0.91
S/D:2.21
θ:0°

Fetal Growth



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OB2

Exam Date: 29/03/2024

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Fetal Growth

