



# L. N. MEDICAL COLLEGE & J. K. HOSPITAL

( A MCI APPROVED / ISO 9001:2008 CERTIFIED INSTITUTE )



Patient	INDRA KUMARI	Age/Sex	32 Years / FEMALE
Patient ID	12036	Visit NO	01
Referred by	DR. PRIYANKA VERMA	Visit Date	16/05/2024
LMP Date	31/12/2023	LMP EDD	06/10/2024

## Indication(s) - TARGET SCAN

**Present Pregnancy:** Single Intrauterine gestation

- LMP-31/12/2023
- Conception-Spontaneous
- Maternal blood group, RH Status-B positive
- **FIRST TRIMSETER COMBINED SCREENING NOT DONE .**

**Obstetric History:**

- Gravida – 3, Para – 2
- Previous caesarean – No

**Chronic Disease:**

- Chronic Hypertension-No
- Diabetes Mellitus-No

**Family History**

- Consanguinity-No
- Significant Family history-No

**Ultrasound**

- Operator - DrSonamVerma , MD RADIO-DIAGNOSIS , Fellowship in Fetal Medicine FMF ID- 277360
- US system - Voluson S10 Expert 22  
Transabdominal  
Real time B-mode/color/3D ultrasonography of gravid uterus done.  
Technically imaging- Good

**Gestational Age**

	Gestation age	EDD
BY LMP	19 weeks 4 days	06/10/2024
BY USG	19 weeks 5 days	05/10/2024

**\* AGREED EDD (BASED ON LMP): 06/10/2024**

**Fetal Survey:**

Presentation:	Variable
Placenta :	Anterior
Liquor :	Adequate
Umbilical cord:	Two arteries and one vein
Fetal activity:	Fetal activity present





# L. N. MEDICAL COLLEGE & J. K. HOSPITAL

( A MCI APPROVED / ISO 9001:2008 CERTIFIED INSTITUTE )



Fetal heart rate: 151,bpm Regular

Biometry weight parameter (Hadlock)

BPD 42.7 mm	HC 167.5 mm	AC 137.5 mm	FL - 29.6 mm	EFW BPD,HC,AC,FL
18 (W) 6 (D), 23.5%	19 (w) 3 (D), 34.8%	19 (w) 1 (D), 31.7%	19 (W) 1 (D), 26.9%	272 Grams + 41 Grams. 24.3%

## FETAL BIOMETRIC PARAMETERS

Biometry	measurement(mm)	Weeks	Days	Centile
TCD :	19.7	19	0	40.8%
OOD	32.4 mm	20	6	54.2%
IOD	14.3 mm	24	2	80%
Humerus	30.7	20	1	73.9%
Radius	25.3	19	3	47.4%
Ulna	29.2	20	6	77%
Tibia	27.7	20	0	71.2%
Fibula	26.8	19	3	46.8%
Foot	32.5 mm			
FL-FOOT RATIO	0.91			
HC/AC	1.22			
BPD/FL	69.32%			
FL/AC	21.53%			
NASAL BONE: 6.4 mm(98.1%)		NUCHAL FOLD THICKNESS: 3.4 mm		Cistern Magna: 4.7 mm

## 2 nd Trimester aneuploidy risk table/Genetic Sonogram:

Sr No	2 <sup>nd</sup> Trimester Aneuploidy Markers	
1	Intracardiac Echogenic Focus	Absent
2	Ventriculomegaly	Absent
3	Increased Nuchal Fold	Absent
4	Echogenic Bowel	Absent
5	Mild Hydronephrosis	Absent
6	Short Humerus	Absent
7	Short Femur	Absent
8	Aberrant Right Subclavian Artery	Absent
9	Absent or Hypoplastic Nasal Bone	Normal size
	Apriori Risk (From Maternal Age):	1 in 461
	LR Ratio:	0.13
	Trisomy21 Risk:	1 in 3542

Town, Sarvadharam, C-Sector, Kolar Road, Bhopal - 462042 (M.P.) Hospital ☎: 0755 - 4087000-01-02/4087006  
Medical College ☎: 0755-4049600, Web : [www.Lnctu.ac.in](http://www.Lnctu.ac.in), email : [hospital@Lnctu.ac.in](mailto:hospital@Lnctu.ac.in)







## ANATOMICAL Fetal SURVEY

### HEAD

Normal Skull Shape

Midline falx seen.

Both lateral ventricles appear normal 5.5 mm

Posterior fossa structures appeared normal

No identified intracranial lesion seen.

### SPINE

Vertebrae and spinal canal appear normal.

No obvious sign of spina bifida or kyphoscoliosis.

### FACE&NECK

Both Orbits, nose and mouth appeared normal.

Mandible appears normal.

No evidence of skin oedema or cystic hygroma.

### THORAX

Both lung seen.

No evidence of pleural or pericardial effusion.

No evidence of SOL in the thorax.

### Heart

Heart appears in the mid position.

Normal cardiac situs.

Normal 4- chamber view.

Normal 3- vessels view & 3- vessels trachea view .

SVC and IVC Seen.

### ABDOMEN

Abdominal situs appeared normal.

Stomach bubble & Gall bladder seen.

Normal bowel pattern appropriate for the gestation seen.

No evidence of ascites. Abdominal wall intact.

### KUB

Right and Left kidneys, Urinary Bladder appear normal

(AP Dimension of RENAL PELVIS, RT- 1.2 mm & LT-1.0 mm )

### Extremities

All fetal long bones visualized and appear normal for the period of gestation.

Both Hands & feet appeared normal.

## **Maternal & Fetal Doppler:**

Right uterine	Left uterine	Mean	Ductus Venosus
PI:1.08	PI:1.49	PI:1.29	PI:0.53
42.5%	87.7%	71%	



# L. N. MEDICAL COLLEGE & J. K. HOSPITAL

( A MCI APPROVED / ISO 9001:2008 CERTIFIED INSTITUTE )



**Cervical Assesement** : measured 38 mm in length.

## Impression :

- SINGLE LIVE INTRAUTERINE GESTATION
- ESTIMATED GESTATIONAL AGE BY FETAL BIOMETRY :19 WEEKS 5 DAYS +/- 1 WEEK.
- NO OBVIOUS STRUCTURAL CONGENITAL ABNORMALITIES DETECTED FOR GESTATION.
- NO OBVIOUS SONOGRAPHIC MARKERS FOR CHROMOSOMAL ABNORMALITIES NOTED AT THIS GESTATION.
- UTERINE ARTERY DOPPLER: SCREEN NEGATIVE FOR PET

## COMMENTS:

- On today's detailed scan, there are no other obvious structural abnormalities or markers of chromosomal abnormalities. I have explained sonographic findings to the couple in detail
- I have explained to couple in detail that chromosomal abnormalities can not be diagnosed by ultrasound or blood test on their own.
- The only way to know the chromosomal make up of the fetus is by karyotyping from amniocentesis. I have explained the procedure and risks including 0.1% chance of procedure related miscarriage.
- **Suggested :Rescan at 26-28 week for Periodic assesement , to rule out evolving anomalies & for growth interval monitoring.**

### Please note:

All abnormalities and genetic syndromes cannot be ruled out by ultrasound examination. Ultrasound examination has its own limitations. Some abnormalities evolve as the gestation advances. The detection rate of abnormality depends on gestational age of the fetus, fetal position, tissue penetration of sound waves, amniotic fluid volume, fetal movements and patients body habitus. Patient has been counseled about the capability & limitation of the examination.

**Declaration:** I, DrSonamVerma declare that while conducting ultrasonography /image scanning on INDRA KUMARI, I have neither detected nor disclosed the sex of her fetus to anybody in any manner.

### Best Wishes

**Dr Sonam Verma**

**FETAL MEDICINE CONSULTANT**

**M.D. RADIODIAGNOSIS**

**Reg NO: 18797, FMF ID: 277360**

*Sonam*  
**Dr. Sonam Verma**  
MBBS, MD Fetal Medicine Specialist  
Reg. No. : MP-18797  
Assistant Professor  
Department of Radiodiagnosis  
L.N. Medical College & J.K. Hospital  
Bhopal (M.P.)

