

**DEPARTMENT OF NON INVASIVE CARDIOLOGY**

**Report of Echocardiography/colour Doppler studies**

<b>Patient MRN : 17530000234015</b>	<b>Report Date : 25.03.2023</b>
<b>Patients Name : Ms Basanti Banra</b>	
<b>Age/Sex : 34Yrs / Female</b>	

**DATA (all values in cms):**

<b>Aortic Root</b>	<b>2.5</b>	<b>LV end-diastolic diameter</b>	<b>4.1</b>
<b>Left atrium</b>	<b>3.0</b>	<b>LV Post-wall thickness</b>	<b>1.0</b>
<b>Right Ventricle/ RA</b>		<b>LV end-systolic diameter</b>	<b>2.6</b>
<b>Ventricular septum</b>	<b>0.9</b>	<b>LV Ejection fraction</b>	<b>65%</b>

**IMPRESSION:**

**Left ventricle : No RWMA**  
**Normal size LV cavity**  
**Normal LV systolic function with LVEF- 65%**

**Right ventricle : Normal size RV, Good RV function.**

**Atria : Normal.**

**Mitral valve : Normal,**

**Tricuspid valve : Normal, RVSP= RAP+ 12mmHg.**

**Aortic valve : Normal, peak velocity – 1.2m/sec.**

**Pulmonic valve : Normal, peak velocity – 0.9m/sec.**

**IAS & IVS : Intact.**

**Pericardium : Normal.**

**Others : Nil,**  
**No intra cardiac clot / vegetation / Pericardial effusion.**

**Conclusion : No RWMA**  
**Normal LV systolic function with LVEF- 65%.**

**Dr. Santosh Kr. Gupta**

**Consultant ( Non Interventional cardiology )**



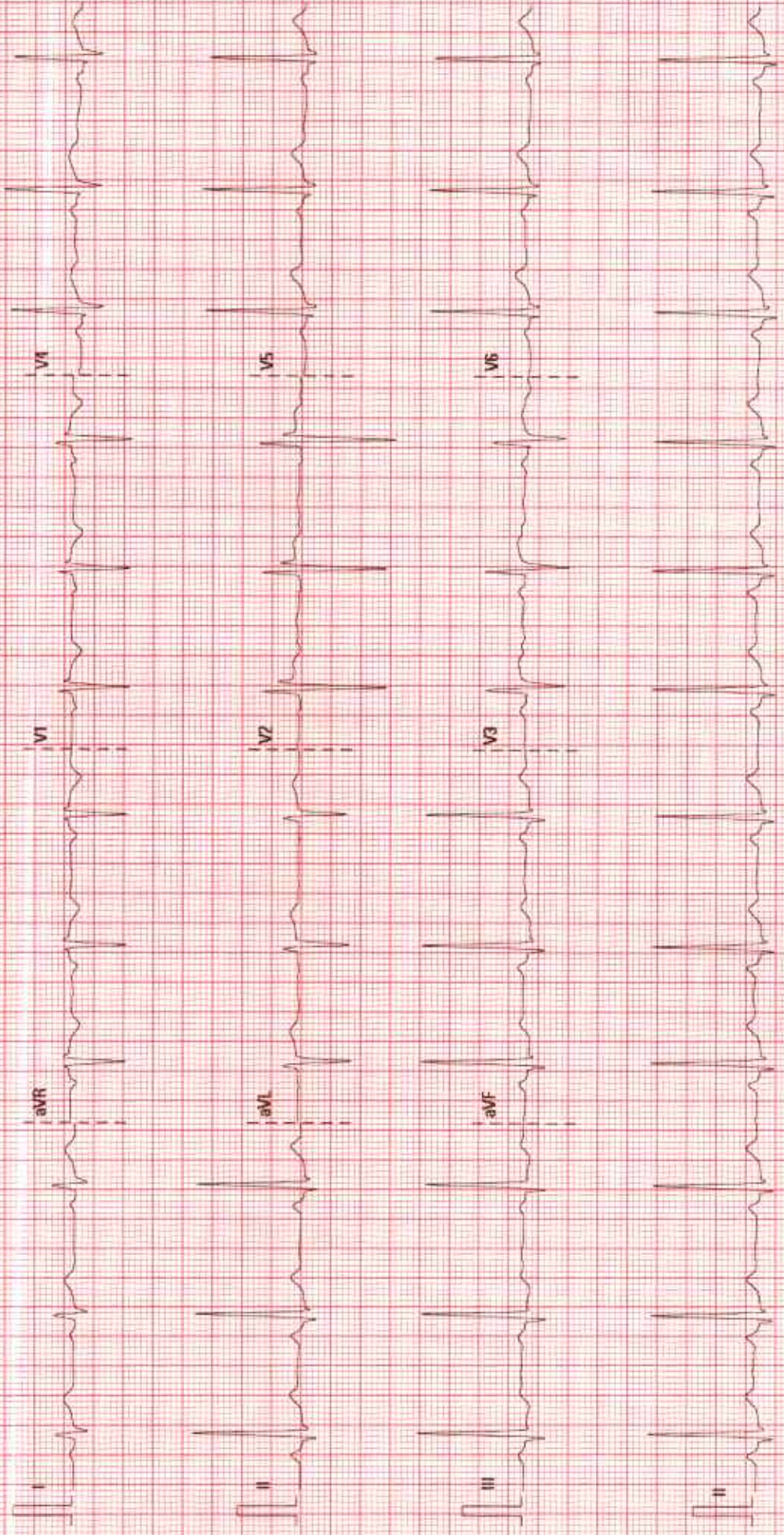
ID: 17530000234015  
Name: MS BASANTI BAMRA  
Age: 34 Years  
Gender: Female

2023-03-25 12:20:20

Vent. Rate: 71 bpm  
PR Interval: 152 ms  
QRS Duration: 100 ms  
QT/QTc Interval: 380/399 ms  
P/QRS/T Axes: 64/84/38 deg  
QTc: Hodges

Sinus rhythm  
Normal ECG

Unconfirmed Diagnosis



**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Basanti Banra MRN : 17530000234015 Gender/Age : FEMALE , 34y (29/07/1988)

Collected On : 25/03/2023 10:55 AM Received On : 25/03/2023 12:25 PM Reported On : 25/03/2023 12:52 PM

Barcode : R12303250092 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8001402225

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)</b>			
Cholesterol Total (Cholesterol Oxidase/Peroxidase)	133	mg/dL	Desirable: < 200 Borderline: 200-239 High: > 240
Triglycerides (LPL/GK)	80	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Dextran Sulphate/ PEG Cholesterol Esterase)	56	mg/dL	40.0-60.0
Non-HDL Cholesterol	77	-	-
LDL Cholesterol (Enzymatic Method (cholesterol Oxidase, Esterase, Peroxidase))	61	mg/dL	Optimal: < 100 Near Optimal: 100-129 Borderline: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	16	mg/dL	<40.0
Cholesterol /HDL Ratio (Calculated)	2.4	-	<4.5
<b>LIVER FUNCTION TEST(LFT)</b>			
Bilirubin Total (Caffeine Benzoate)	<b>2.60 H</b>	mg/dL	0.2-1.0
Conjugated Bilirubin (Direct) (Diazotised Sulphanilic Acid)	0.00	mg/dL	0.0-0.2
Unconjugated Bilirubin (Indirect)	<b>2.73 H</b>	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.79	gm/dL	6.4-8.2
Serum Albumin (Bromocresol Purple Dye Binding)	4.18	gm/dL	3.4-5.0
Serum Globulin (Calculated)	<b>3.6 H</b>	gm/dL	2.0-3.5

Patient Name : Ms Basanti Banra MRN : 17530000234015 Gender/Age : FEMALE , 34y (29/07/1988)

Albumin To Globulin (A/G)Ratio (Calculated)	1.2	-	1.0-2.1
SGOT (AST) (UV With Pyridoxal-5-phosphate)	25	U/L	15.0-37.0
SGPT (ALT) (UV With Pyridoxal-5-phosphate)	21	U/L	14.0-59.0
Alkaline Phosphatase (ALP) (AMP Buffer)	96	U/L	46.0-116.0
Gamma Glutamyl Transferase (GGT) (GCNA)	16	U/L	5.0-55.0

**RENAL PACKAGE - 2 (RFT FASTING)**

Fasting Blood Sugar (FBS) (Hexokinase)	80	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)
Blood Urea Nitrogen (BUN) (Urease, UV)	7.24	mg/dL	7.0-20.0

**SERUM CREATININE**

Serum Creatinine (Jaffe's Kinetic IDMS)	0.64	mg/dL	0.6-1.1
eGFR (Calculated)	106.3	mL/min/1.73m <sup>2</sup>	Inductive of Renal Impairment:<60 Note:eGFR is inaccurate for Hemodynamically unstable patients. eGFR is not applicable for less than 18 years of age .
Serum Sodium (Indirect IMT)	137.54	mmol/L	136.0-145.0
Serum Potassium (Indirect IMT)	4.18	mmol/L	3.5-5.0
Serum Chloride (Indirect IMT)	104.78	mmol/L	98.0-107.0
Serum Bicarbonate Level (Enzymatic Method)	25	mmol/L	21.0-32.0
Serum Calcium (Cresol Complex)	8.54	mg/dL	8.5-10.1
Serum Magnesium (Methyl Thymol Blue Dye Binding)	1.83	mg/dL	1.8-2.4
Serum Uric Acid (Uricase, UV)	3.7	mg/dL	2.6-6.0
Serum Phosphorus (Phosphomolybdate Reduction)	4.3	mg/dL	2.6-4.7

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--End of Report--



Dr. Mohit Pradhan  
MBBS, MD Pathology  
Consultant Pathologist

**Note**

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.



**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Basanti Banra MRN : 17530000234015 Gender/Age : FEMALE , 34y (29/07/1988)  
 Collected On : 25/03/2023 10:55 AM Received On : 25/03/2023 11:36 AM Reported On : 25/03/2023 12:33 PM  
 Barcode : R42303250059 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)  
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8001402225

**HAEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>COMPLETE BLOOD COUNT (CBC)</b>			
Haemoglobin (Hb%) (Photometric Measurement)	<b>11.51 L</b>	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.30	million/ $\mu$ l	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	<b>35.9 L</b>	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived)	83.5	fL	80.0-100.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	<b>26.8 L</b>	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.1	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	<b>14.1 H</b>	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	230	Thousand / $\mu$ L	150.0-450.0
Mean Platelet Volume (MPV)	11.42	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	6.42	Thousand / $\mu$ L	4.0-10.0
<b>DIFFERENTIAL COUNT (DC)</b>			
Neutrophils (VCS Technology Plus Microscopy)	<b>71 H</b>	%	35.0-66.0
Lymphocytes (VCS Technology Plus Microscopy)	25	%	24.0-44.0
Monocytes (VCS Technology Plus Microscopy)	<b>01 L</b>	%	3.0-6.0
Eosinophils (VCS Technology Plus Microscopy)	03	%	0.0-3.0



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Basophils (VCS Technology Plus Microscopy)	00	%	0.0-1.0
Absolute Neutrophil Count	4.56	-	-
Absolute Lymphocyte Count	1.61	-	-
Absolute Monocyte Count	0.06	-	-
Absolute Eosinophil Count	0.19	-	-

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Final Report

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Collected On : 25/03/2023 10:55 AM Received On : 25/03/2023 12:25 PM Reported On : 25/03/2023 01:27 PM

Barcode : R12303250091 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8001402225

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>Fasting Blood Sugar (FBS)</b> (Hexokinase)	85	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)

--End of Report--



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Final Report

Patient Name : Ms Basanti Banra MRN : 17530000234015 Gender/Age : FEMALE , 34y (29/07/1988)

Collected On : 25/03/2023 10:55 AM Received On : 25/03/2023 11:44 AM Reported On : 25/03/2023 01:11 PM

Barcode : R72303250031 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8001402225

**CLINICAL PATHOLOGY**

Test	Result	Unit	Biological Reference Interval
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**URINE ROUTINE & MICROSCOPY**

**PHYSICAL EXAMINATION**

Volume	30	ml	-
Colour	Straw	-	-
Appearance	Clear	-	-

**CHEMICAL EXAMINATION**

pH(Reaction) (pH Indicator Method)	6.0	-	4.8-7.5
Sp. Gravity (Automated)	1.030	-	1.002-1.03
Protein (Error Of Indicators)	Nil	-	Nil
Urine Glucose (Enzyme Method (GOD POD))	Nil	-	-
Ketone Bodies (Rothers's Principle)	Nil	-	-
Bile Salts (Diazo Reaction)	Nil	-	-
Bile Pigment (Bilirubin) (Diazo Reaction)	Nil	-	-
Urobilinogen (Modified Ehrlich's Reaction)	Nil	-	-
Urine Leucocyte Esterase (Esterase Reaction With Pyrrole Compound)	Nil	-	-
Blood Urine (Peroxidase Reaction)	Present (trace)	-	-
Nitrite (Reaction With Diazonium Compound)	Nil	-	-

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### MICROSCOPIC EXAMINATION

Pus Cells	2-4/hpf	/hpf	0-2/hpf
RBC	1-2/hpf	-	-
Epithelial Cells	2-3/hpf	/hpf	2-3/hpf
Crystals	Nil	-	-
Casts	Nil	-	-
Bacteria	Nil	-	-
Yeast Cells	Nil	-	-
Others	Nil	-	-
<b>Urine For Sugar (Fasting)</b>	<20	-	-

--End of Report--



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**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Basanti Banra MRN : 17530000234015 Gender/Age : FEMALE , 34y (29/07/1988)

Collected On : 25/03/2023 02:13 PM Received On : 25/03/2023 02:53 PM Reported On : 25/03/2023 04:12 PM

Barcode : R72303250048 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8001402225

**CLINICAL PATHOLOGY**

Test	Result	Unit
Urine For Sugar (Post Prandial)	<20	-

--End of Report--



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**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Basanti Banra MRN : 17530000234015 Gender/Age : FEMALE , 34y (29/07/1988)

Collected On : 25/03/2023 10:55 AM Received On : 25/03/2023 11:36 AM Reported On : 25/03/2023 12:31 PM

Barcode : R12303250093 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8001402225

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>HBA1C</b>			
HbA1c (HPLC NGSP Certified)	4.9	%	Normal: 4.0-5.6 Pre Diabetes: 5.7-6.4 Diabetes: => 6.5 ADA Recommendation 2017
Estimated Average Glucose	93.93	%	-

**Interpretation:**

- HbA1C above 6.5% can be used to diagnose diabetes provided the patient has symptoms. If the patient does not have symptoms with HbA1C>6.5%, repeat measurement on further sample. If the repeat test result is <6.5%, consider as diabetes high risk and repeat measurement after 6 months.
- HbA1C measurement is not appropriate in diagnosing diabetes in children, suspicion of type 1 diabetes, symptoms of diabetes for less than 2 months, pregnancy, hemoglobinopathies, medications that may result sudden increase in glucose, anemia, renal failure, HIV infection, malignancies, severe chronic hepatic, and renal disease.
- Any sample with >15% should be suspected of having a haemoglobin variant.

--End of Report--



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**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Basanti Banra MRN : 17530000234015 Gender/Age : FEMALE , 34y (29/07/1988)

Collected On : 25/03/2023 10:55 AM Received On : 25/03/2023 11:36 AM Reported On : 25/03/2023 01:13 PM

Barcode : R42303250060 Specimen : Whole Blood - ESR Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8001402225

**HAEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>Erythrocyte Sedimentation Rate (ESR)</b> (Westergren Method)	05	mm/hr	0.0-12.0

--End of Report--



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**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Basanti Banra MRN : 17530000234015 Gender/Age : FEMALE , 34y (29/07/1988)

Collected On : 25/03/2023 10:55 AM Received On : 25/03/2023 11:36 AM Reported On : 25/03/2023 12:53 PM

Barcode : RB2303250018 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8001402225

**BLOOD BANK**

Test	Result	Unit
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**BLOOD GROUP & RH TYPING**

Blood Group	"B"	-
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RH Typing	Positive	-
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--End of Report--



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**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Basanti Banra MRN : 17530000234015 Gender/Age : FEMALE , 34y (29/07/1988)

Collected On : 25/03/2023 10:55 AM Received On : 25/03/2023 12:25 PM Reported On : 25/03/2023 01:40 PM

Barcode : R22303250025 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8001402225

**SEROLOGY**

Test	Result	Unit	Biological Reference Interval
<b>THYROID PROFILE (T3, T4, TSH)</b>			
Tri Iodo Thyronine (T3) (Chemiluminescence)	1.63	nmol/L	1.49-2.6
Thyroxine (T4) (Chemiluminescence)	7.60	ug/dl	4.5-12.0
TSH (Thyroid Stimulating Hormone) (Chemiluminescence)	1.195	μIU/mL	0.49-4.67

--End of Report--



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<b>Patient Name</b>	Basanti Banra	<b>Requested By</b>	Dr. Santosh Gupta
<b>MRN</b>	17530000234015	<b>Procedure DateTime</b>	2023-03-25 14:50:07
<b>Age/Sex</b>	34Y 7M / Female	<b>Hospital</b>	NH Jamshedpur

### **USG WHOLE ABDOMEN**

LIVER -

Size: Normal in size, 12.9 cm in cranio-caudal length.

Echotexture: Normal, no focal lesion seen.

IHBD: Nil

Portal vein: Normal in caliber.

GB: Well distended, echofree. Wall is normal in thickness.

CBD: Normal in caliber.

PANCREAS: Normal in size & echotexture.

SPLEEN: Normal in size (11.2 cm) & echotexture.

KIDNEYS:-

Right kidney:

Size: Normal, 9.5 cm in bipolar length.

Echotexture: Cortical echogenicity is normal, CMD is maintained.

Left kidney:

Size: Normal, 9.8 cm in bipolar length.

Echotexture: Cortical echogenicity is normal, CMD is maintained.

No hydronephrosis or calculus seen on either side.

URINARY BLADDER: Well distended, echofree.

UTERUS: Anteverted, normal in size (7.2 x 4 cm). Endometrium is central & normal in thickness. Myometrium is homogenous. Cervix is normal in thickness.

OVARIES:

Right : Enlarged (5.7x5.3 cm), cystic in appearance with echogenic mobile rounded structure within (dermoid plug).

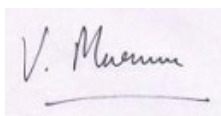
Left: 2.9 cm, normal in echotexture

FREE FLUID: Nil

\*Visualized bowel loops appear normal, no significant lymphadenopathy seen.

**IMPRESSION:**

Dermoid cyst of right ovary (5.7x5.3 cm in size).

A handwritten signature in black ink on a light purple background. The signature reads "V. Murmu" with a horizontal line underneath.

**Dr Violet Murmu MD.**  
Sr.Consultant Radiologist

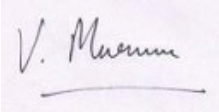
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<b>Patient Name</b>	Basanti Banra	<b>Requested By</b>	Dr. Santosh Gupta
<b>MRN</b>	17530000234015	<b>Procedure DateTime</b>	2023-03-25 15:28:26
<b>Age/Sex</b>	34Y 7M / Female	<b>Hospital</b>	NH Jamshedpur

**X-RAY CHEST (PA VIEW)**

No parenchymal lesion seen in lung fields.  
CP angles are clear.  
Cardiac shadow is within normal limit.  
Visualized bones & soft tissue appears normal.

**IMPRESSION: Normal study.**



**Dr Violet Murmu MD.**  
Sr.Consultant Radiologist

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