

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Valli N MRN : 2015000001386 Gender/Age : FEMALE , 44y (20/04/1979)  
 Collected On : 23/09/2023 08:52 AM Received On : 23/09/2023 11:46 AM Reported On : 23/09/2023 04:59 PM  
 Barcode : 032309230133 Specimen : Urine Consultant : Dr. Priya S(FAMILY MEDICINE)  
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9742819623

**CLINICAL PATHOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>URINE ROUTINE &amp; MICROSCOPY</b>			
<b>PHYSICAL EXAMINATION</b>			
Colour	Yellow	-	-
Appearance	Clear	-	-
<b>CHEMICAL EXAMINATION</b>			
pH(Reaction) (pH Indicator Method)	7.0	-	4.5-7.5
Sp. Gravity (Refractive Index)	1.005	-	1.002 - 1.030
Protein (Automated Protein Error Or Ph Indicator)	Not Present	-	Not Present
Urine Glucose (Enzyme Method (GOD POD))	Not Present	-	Not Present
Ketone Bodies (Nitroprusside Method)	Not Present	-	Not Present
Bile Salts (Azo Coupling Method)	Not Present	-	-
Bile Pigment (Bilirubin) (Azo Coupling Method)	Not Present	-	Not Present
Urobilinogen (Azo Coupling Method)	Normal	-	Normal
Urine Leucocyte Esterase (Measurement Of Leukocyte Esterase Activity)	Not Present	-	Not Present
Blood Urine (Peroxidase Reaction)	Not Present	-	Not Present
Nitrite (Gries Method)	Not Present	-	Not Present
<b>MICROSCOPIC EXAMINATION</b>			
Pus Cells	0.1	/hpf	0-5



Patient Name : Ms Valli N MRN : 20150000001386 Gender/Age : FEMALE , 44y (20/04/1979)			
RBC	0.3	/hpf	0-4
Epithelial Cells	0.4	/hpf	0-6
Crystals	0.0	/hpf	0-2
Casts	0.00	/hpf	0-1
Bacteria	3.2	/hpf	0-200
Yeast Cells	0.0	/hpf	0-1
Mucus	Not Present	-	Not Present

**Interpretation Notes**

- Since the analytical methodology of Urine Microscopy is Flow cytometry based and FDA approved the results of automated urine microscopy which includes RBCs, WBCs Epithelial cells etc are being reported in decimal fraction. Rounding off the value to nearest whole number is suggested.


*Hema S*

Dr. Hema S  
MD, DNB, Pathology  
Associate Consultant

**CLINICAL PATHOLOGY**

Test	Result	Unit
<b>Urine For Sugar (Fasting)</b> (Enzyme Method (GOD POD))	Not Present	-
<b>Urine For Sugar (Post Prandial)</b> (Enzyme Method (GOD POD))	Not Present	-

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Dr. Sudarshan Chougule  
MBBS, MD, Pathology  
Consultant & Head - Hematology & Flow Cytometry

### BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
<b>Fasting Blood Sugar (FBS)</b> (Colorimetric - Glucose Oxidase Peroxidase)	94	mg/dL	70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020
<b>Post Prandial Blood Sugar (PPBS)</b> (Colorimetric - Glucose Oxidase Peroxidase)	<b>173 H</b>	mg/dL	70 to 139 : Normal 140 to 199 : Pre-diabetes =>200 : Diabetes ADA standards 2020
<b>HBA1C</b>			
HbA1c (HPLC NGSP Certified)	<b>6.1 H</b>	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2020
Estimated Average Glucose (Calculated)	128.37	-	-

#### 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.

### SERUM CREATININE

Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	<b>0.49 L</b>	mg/dL	0.52-1.04
eGFR (Calculated)	137.2	mL/min/1.73m <sup>2</sup>	Indicative of renal impairment < 60 Note:eGFR is inaccurate for Hemodynamically unstable patients eGFR is not applicable for less than 18 years of age.

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### Narayana Institute of Cardiac Sciences

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: NH Health City, 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Email: info.nics@narayanahealth.org | www.narayanahealth.org



Appointments  
**1800-309-0309**

Emergencies  
**97384 97384**

Patient Name : Ms Valli N MRN : 20150000001386 Gender/Age : FEMALE , 44y (20/04/1979)			
<b>Blood Urea Nitrogen (BUN)</b> (Endpoint /Colorimetric – Urease)	11	mg/dL	7.0-17.0
<b>Serum Uric Acid</b> (Colorimetric - Uricase,Peroxidase)	6.0	mg/dL	2.5-6.2
<b>LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)</b>			
<b>Cholesterol Total</b> (Colorimetric - Cholesterol Oxidase)	174	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
<b>Triglycerides</b> (Colorimetric - Lip/Glycerol Kinase)	135	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
<b>HDL Cholesterol (HDLC)</b> (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	56	mg/dL	40.0-60.0
<b>Non-HDL Cholesterol</b> (Calculated)	118.0	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
<b>LDL Cholesterol</b> (Colorimetric)	<b>96 L</b>	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
<b>VLDL Cholesterol</b> (Calculated)	27.0	mg/dL	0.0-40.0
<b>Cholesterol /HDL Ratio</b> (Calculated)	3.2	-	0.0-5.0
<b>THYROID PROFILE (T3, T4, TSH)</b>			
<b>Tri Iodo Thyronine (T3)</b> (Enhanced Chemiluminescence)	1.48	ng/mL	0.97-1.69
<b>Thyroxine (T4)</b> (Enhanced Chemiluminescence)	<b>14.7 H</b>	µg/dl	5.53-11.0
<b>TSH (Thyroid Stimulating Hormone)</b> (Enhanced Chemiluminescence)	3.258	µIU/mL	> 18 Year(s) : 0.4 -4.5 Pregnancy: 1st Trimester: 0.129-3.120 2nd Trimester: 0.274-2.652 3rd Trimester: 0.312-2.947

#### Interpretation Notes

- TSH levels are subjected to circadian variation, reaching peak levels between 2 - 4.a.m. and at a minimum between 6-10 pm . The variation is of the order of 50% , hence time of the day has influence on the measured serum TSH concentrations. Alteration in concentration of Thyroid hormone binding protein can profoundly affect Total T3 and/or Total T4 levels especially in pregnancy and in

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patients on steroid therapy. Unbound fraction ( Free,T4 /Free,T3) of thyroid hormone is biologically active form and correlate more closely with clinical status of the patient than total T4/T3 concentration.

#### LIVER FUNCTION TEST(LFT)

Bilirubin Total (Colorimetric -Diazo Method)	0.50	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Dual Wavelength - Reflectance Spectrophotometry)	0.00	mg/dL	0.0-0.3
Unconjugated Bilirubin (Indirect) (Calculated)	0.5	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.20	gm/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.30	gm/dL	3.5-5.0
Serum Globulin (Calculated)	2.91	gm/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.48	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	30	U/L	14.0-36.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	20	U/L	<35.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	78	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide ( Szasz Method))	<b>11 L</b>	U/L	12.0-43.0

#### Interpretation Notes

- Indirect Bilirubin result is a calculated parameter (Indirect Bilirubin = Total Bilirubin - Direct Bilirubin). Indirect bilirubin result includes the delta bilirubin fraction also. Delta Bilirubin is the bilirubin which is covalently bound to albumin. Delta Bilirubin is not expected to be present in healthy adults or neonates.

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Dr. Anushre Prasad  
MBBS,MD, Biochemistry  
Consultant Biochemistry



Mrs. Latha B S  
MSc, Mphil, Biochemistry  
Incharge, Consultant Biochemistry

### HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
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#### COMPLETE BLOOD COUNT (CBC)

Haemoglobin (Hb%) (Photometric Measurement)	<b>11.7 L</b>	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	<b>5.81 H</b>	million/ $\mu$ l	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	37.6	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived)	<b>64.7 L</b>	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	<b>20.1 L</b>	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	<b>31.1 L</b>	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	<b>16.2 H</b>	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	268	$10^3/\mu$ L	150.0-450.0
Mean Platelet Volume (MPV)	9.3	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	8.1	$10^3/\mu$ L	4.0-10.0

#### DIFFERENTIAL COUNT (DC)

Neutrophils (VCS Technology Plus Microscopy)	67.4	%	40.0-75.0
Lymphocytes (VCS Technology Plus Microscopy)	27.3	%	20.0-40.0

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Monocytes (VCS Technology Plus Microscopy)	3.6	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	1.3	%	1.0-6.0
Basophils (VCS Technology Plus Microscopy)	0.4	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	5.46	x10 <sup>3</sup> cells/ $\mu$ l	2.0-7.0
Absolute Lymphocyte Count (Calculated)	2.22	x10 <sup>3</sup> cells/ $\mu$ l	1.0-3.0
Absolute Monocyte Count (Calculated)	0.3	x10 <sup>3</sup> cells/ $\mu$ l	0.2-1.0
Absolute Eosinophil Count (Calculated)	0.11	x10 <sup>3</sup> cells/ $\mu$ l	0.02-0.5
Absolute Basophil Count (Calculated)	0.04	-	-

As per the recommendation of International Council for Standardization in Hematology, the differential counts are additionally being reported as absolute numbers.

#### Interpretation Notes

- Haemoglobin , RBC Count and PCV: If below reference range, indicates Anemia. Further evaluation is suggested .  
RBC Indices aid in typing of anemia.  
WBC Count: If below reference range, susceptibility to infection.  
If above reference range- Infection\*  
If very high in lakhs-Leukemia  
Neutrophils -If above reference range-acute infection, mostly bacterial  
Lymphocytes -If above reference range-chronic infection/ viral infection  
Monocytes -If above reference range- TB,Typhoid,UTI  
Eosinophils -If above reference range -Allergy,cough,Common cold,Asthma & worms  
Basophils - If above reference range, Leukemia, allergy  
Platelets: If below reference range- bleeding disorder, Dengue, drug- induced, malignancies  
\* In bacterial infection with fever total WBC count increases.  
Eg Tonsillitis,Sinusitis,Bronchitis,Pneumonia,Appendicitis,UTI -12000-25000 cells/cumm.  
In typhoid and viral fever WBC may be normal.  
**DISCLAIMER:All the laboratory findings should mandatorily interpreted in correlation with clinical findings by a medical expert.**

<b>Erythrocyte Sedimentation Rate (ESR)</b>	2	mm/1hr	0.0-12.0
(Westergren Method)			

#### Interpretation Notes

- ESR high - Infections, chronic disorders,, plasma cell dyscrasias.  
**DISCLAIMER:All the laboratory findings should mandatorily interpreted in correlation with clinical findings by a medical expert**

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Dr. Deepak M B  
MD, PDF, Hematopathology  
Consultant

**NARAYANA HRUDAYALAYA BLOOD CENTRE**

Test	Result	Unit
<b>BLOOD GROUP &amp; RH TYPING</b>		
Blood Group (Column Agglutination Technology)	B	-
RH Typing (Column Agglutination Technology)	Positive	-

--End of Report--



Dr. Prathip Kumar B R  
MBBS,MD, Immunohaematology & Blood Transfusion  
Consultant

**Note**

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.
  - (Lipid Profile, -> Auto Authorized)
  - (LFT, -> Auto Authorized)
  - (Blood Urea Nitrogen (Bun), -> Auto Authorized)
  - (Uric Acid, -> Auto Authorized)
  - (Fasting Blood Sugar (FBS), -> Auto Authorized)
  - (Post Prandial Blood Sugar (PPBS) -> Auto Authorized)





## ADULT TRANS-THORACIC ECHO REPORT

**NAME : MRS.VALLI N**

**AGE/SEX : 44YRS/FEMALE**

**MRN NO : 2015000001386**

**DATE : 23.09.2023**

### FINAL DIAGNOSIS:

- NORMAL CHAMBER DIMENSIONS
- NO RWMA
- NORMAL VALVES
- MR-MILD
- NORMAL PA PRESSURE
- NORMAL RV FUNCTION
- NORMAL LV FUNCTION
- LVEF- 60%

### MEASUREMENT:

AO: 26 MM      LVID (d) : 40 MM      IVS (d) : 10 MM      RA : 30 MM  
LA: 34 MM      LVID(s) : 30 MM      PW (d) : 10 MM      RV : 27MM  
EF: 60 %

### VALVES

MITRAL VALVE : NORMAL

AORTIC VALVE : NORMAL

TRICUSPID VALVE : NORMAL

PULMONARY VALVE : NORMAL

### CHAMBERS

LEFT ATRIUM : NORMAL

RIGHT ATRIUM : NORMAL

LEFT VENTRICLE : NORMAL, NORMAL LV FUNCTION

RIGHT VENTRICLE : NORMAL, TAPSE-19 MM, NORMAL RV FUNCTION

RVOT/LVOT : NORMAL



**SEPTAE**

IVS : INTACT

IAS : INTACT

**GREAT ARTERIES**

AORTA : NORMAL, AORTIC ANNULUS-18 MM, LEFT ARCH

PULMONARY ARTERY : NORMAL

**DOPPLER DATA**

MITRAL VALVE : E/A - 0.8/0.6 M/S, MR - MILD

AORTIC VALVE : PG- 5 MMHG

TRICUSPID VALVE : TR - TRIVIAL, PASP- 23 MMHG

PULMONARY VALVE : PG- 3 MMHG


**WALL MOTION ABNORMALITIES: NO RWMA**

PERICARDIUM : NORMAL

VEGETATION/THROMBUS : ABSENT

**OTHER FINDINGS**

IVC- 12 MM, NORMAL SIZED, COLLAPSIBILITY >50%, RAP -3 MM  
SINUS RHYTHM / HR- 63 BPM

  
**VISHALAKSHI H R**  
**CARDIAC SONOGRAPHER**

**Patient Name** : Mrs.Valli N  
**Age** : 44Years  
**Referring Doctor** : EHP

**Patient ID** : 2015-1386  
**Sex** : Female  
**Date** : 23.09.2023

**ULTRASOUND ABDOMEN AND PELVIS**

**FINDINGS:**

**Liver** is enlarged in size and measures 15.5cm shows Increased echopattern. No intra or extra hepatic biliary duct dilatation. No focal lesions.

**Portal vein** is normal in size, course and caliber. CBD is not dilated.

**Gall bladder** is normal without evidence of calculi, wall thickening or pericholecystic fluid.

**Pancreas** to the extent visualized, appears normal in size, contour and echogenicity.

**Spleen** is normal in size, shape, contour and echogenicity. No evidence of mass or focal lesions.

**Right Kidney** is normal in size (measures 9.1cm in length & 1.2 cm in parenchymal thickness), position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of calculi or hydronephrosis.

**Left Kidney** is normal in size (measures 10.3cm in length & 1.3 cm in parenchymal thickness), position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of calculi or hydronephrosis.

**Retroperitoneum** - obscured by bowel gas

**Urinary Bladder** is well distended. Wall thickness is normal. No evidence of calculi, mass or mural lesion.

**Uterus** is normal in echopattern and bulky in size, measures 9.5x2.0x1.5cm, shows anterior wall intramural fibroid measuring 0.5cm x0.4cm and 0.9cm x0.6cm.

ET measures-9.3mm

Both Ovaries are normal in size and echopattern


Right Ovary:3.1x1.4cm

Left Ovary:3.3x2.4cm

**IMPRESSION:**

**Grade I Fatty Hepatomegaly**

**Bulky Uterus with small uterine Fibroids**

  
**Dr B S Ramkumar 35772**  
**Consultant Radiologist**

**Disclaimer:**

Note: Investigations have their limitations. Solitary pathological/Radiological and other investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. Please interpret accordingly. This Report is not for Medico - Legal Purposes.



**Narayana Multispeciality Clinic**

17/1, 30th Cross, 8th 'B' Main Road, 4th Block, Jayanagar, Bangalore - 560 011

Clinic No. : 8884000991, 9513919615, Pharmacy No. : 9513919615

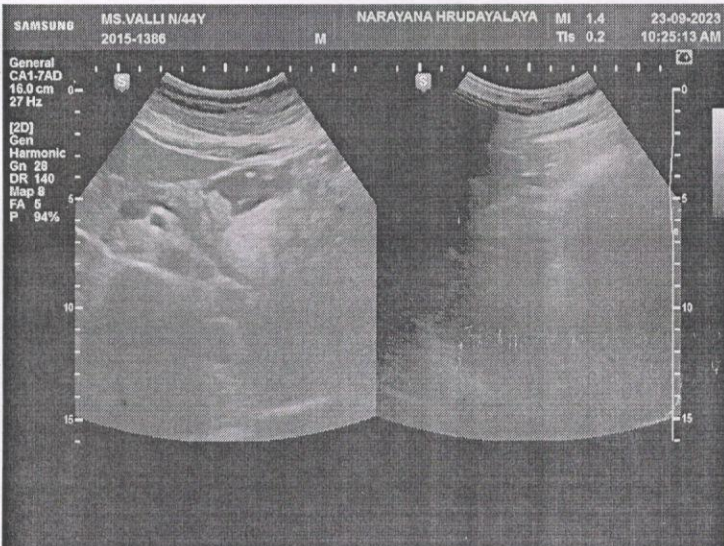
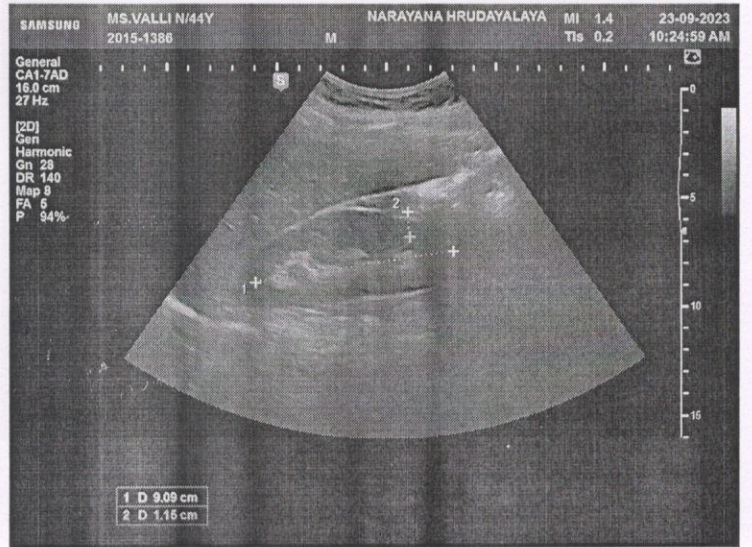
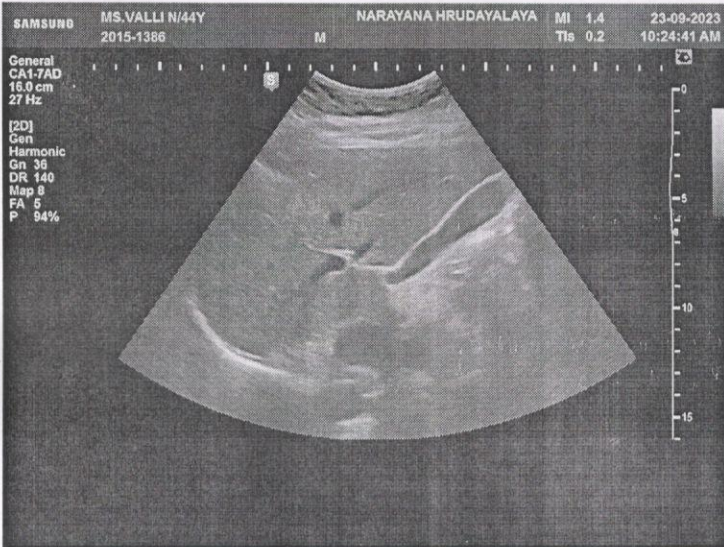
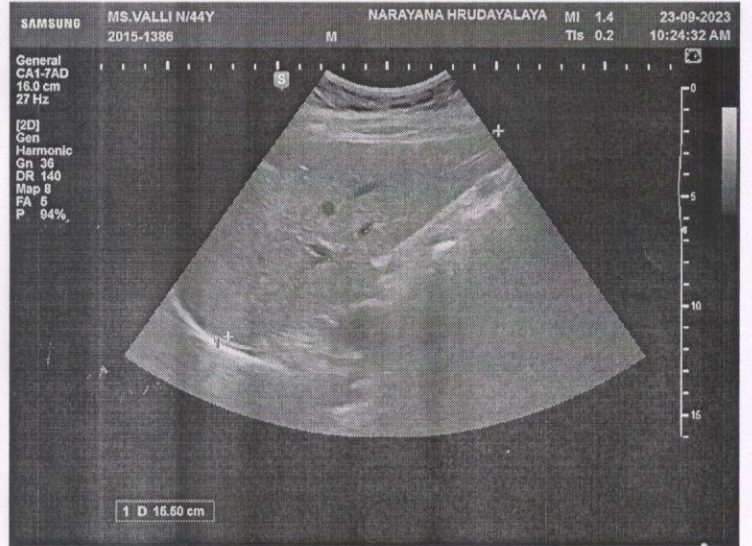
E-mail: info.jayanagar@narayanahealth.org. web : www.narayanahealth.org

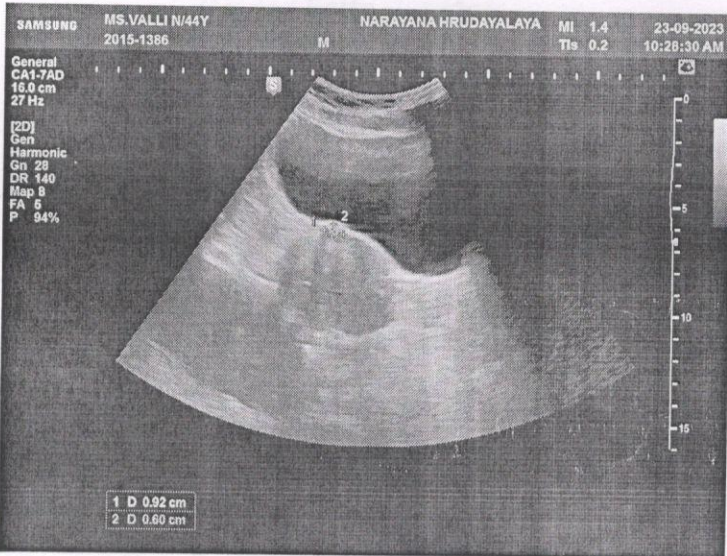
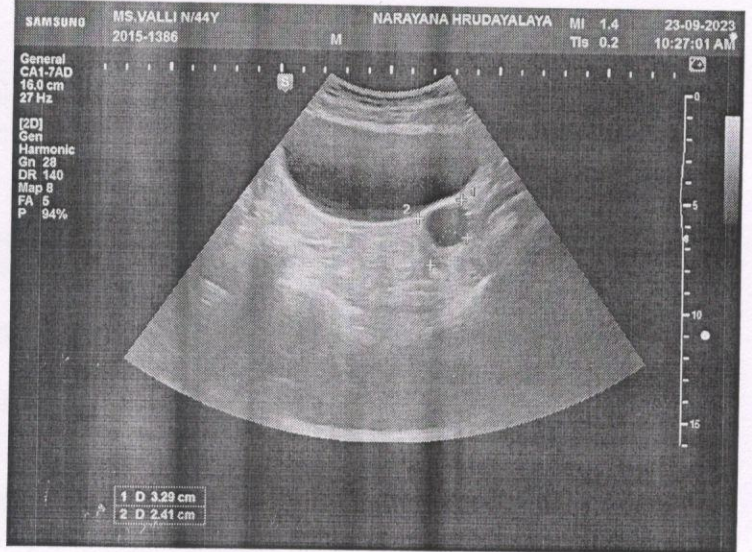
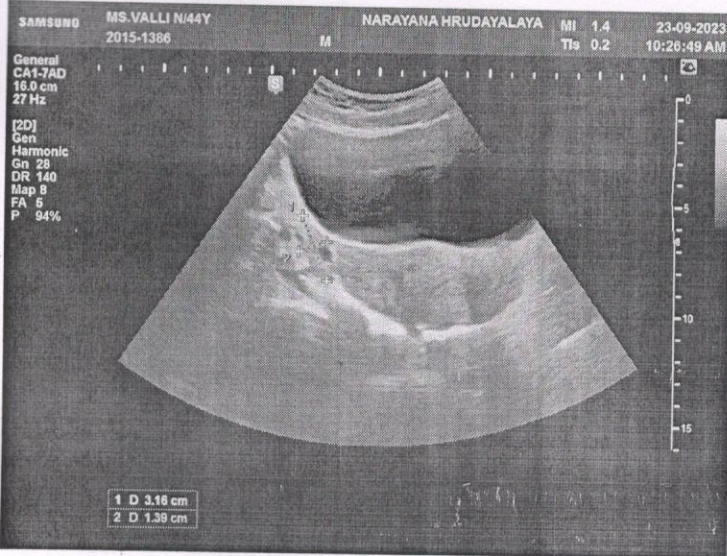
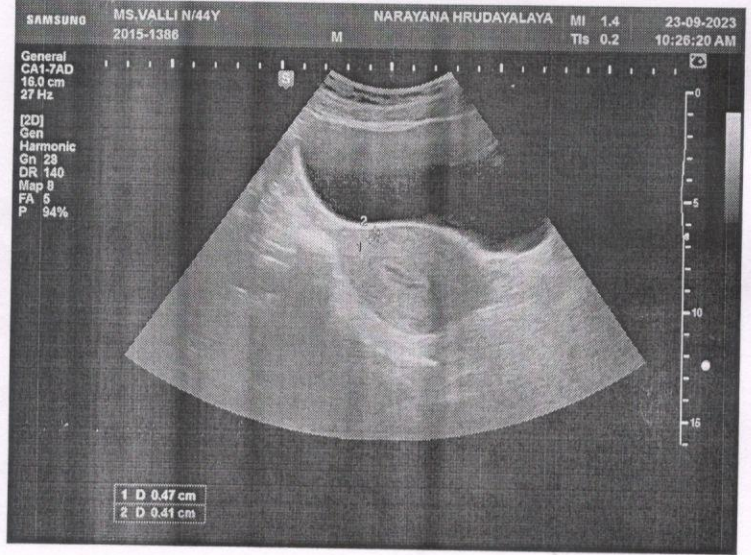
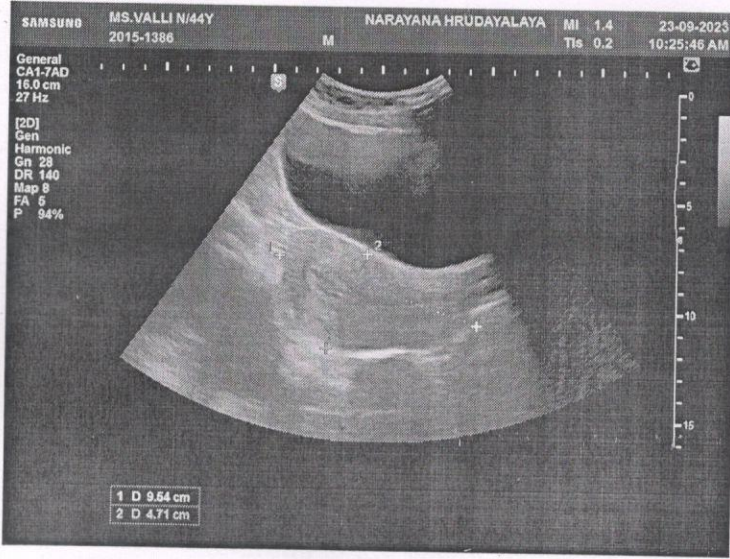
Patient

ID 2015-1386  
Name MS.VALLI N/44Y  
Birth Date  
Gender Male

Exam

Accession #  
Exam Date 23-09-2023  
Description  
Operator





<b>Patient Name</b>	MS.VALLI.N	<b>Requested By</b>	EHP
<b>MRN</b>	20150000001386	<b>Procedure DateTime</b>	23-09-2023 10:12
<b>Age/Sex</b>	44Y 5M/Female	<b>Hospital</b>	NH-JAYANAGAR

**CHEST RADIOGRAPH (PA VIEW)**

**CLINICAL DETAILS:** For executive health checkup.

**FINDINGS:**

- The lung fields and bronchovascular markings appear normal.
- The cardiac size is within normal limits.
- Mediastinum and great vessels are within normal limits.
- Trachea is normal and is central. The hilar shadows are unremarkable.
- The costo-phrenic angles are clear. No evidence of pleural effusion or pneumothorax.
- The visualized bones and soft tissue structures appear normal.
- Both the diaphragmatic domes appear normal.

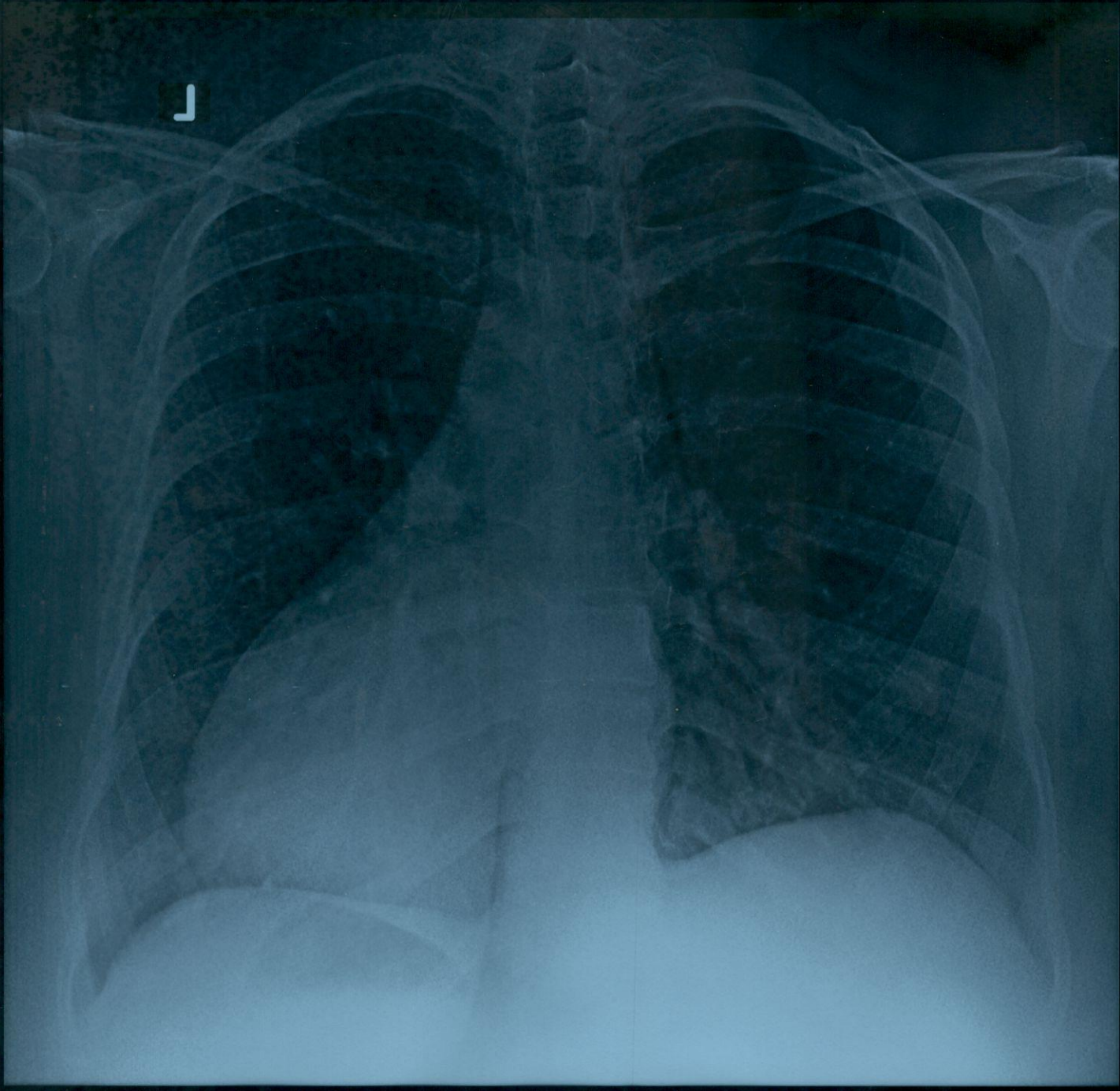
**IMPRESSION:**

- No significant abnormality detected.

  
**Dr. Tanuj Gupta MBBS, DMRD, DNB**  
**Lead and Senior Consultant Radiologist**

\* This is a digitally signed valid document. Reported Date/Time: 23-09-2023 10:49



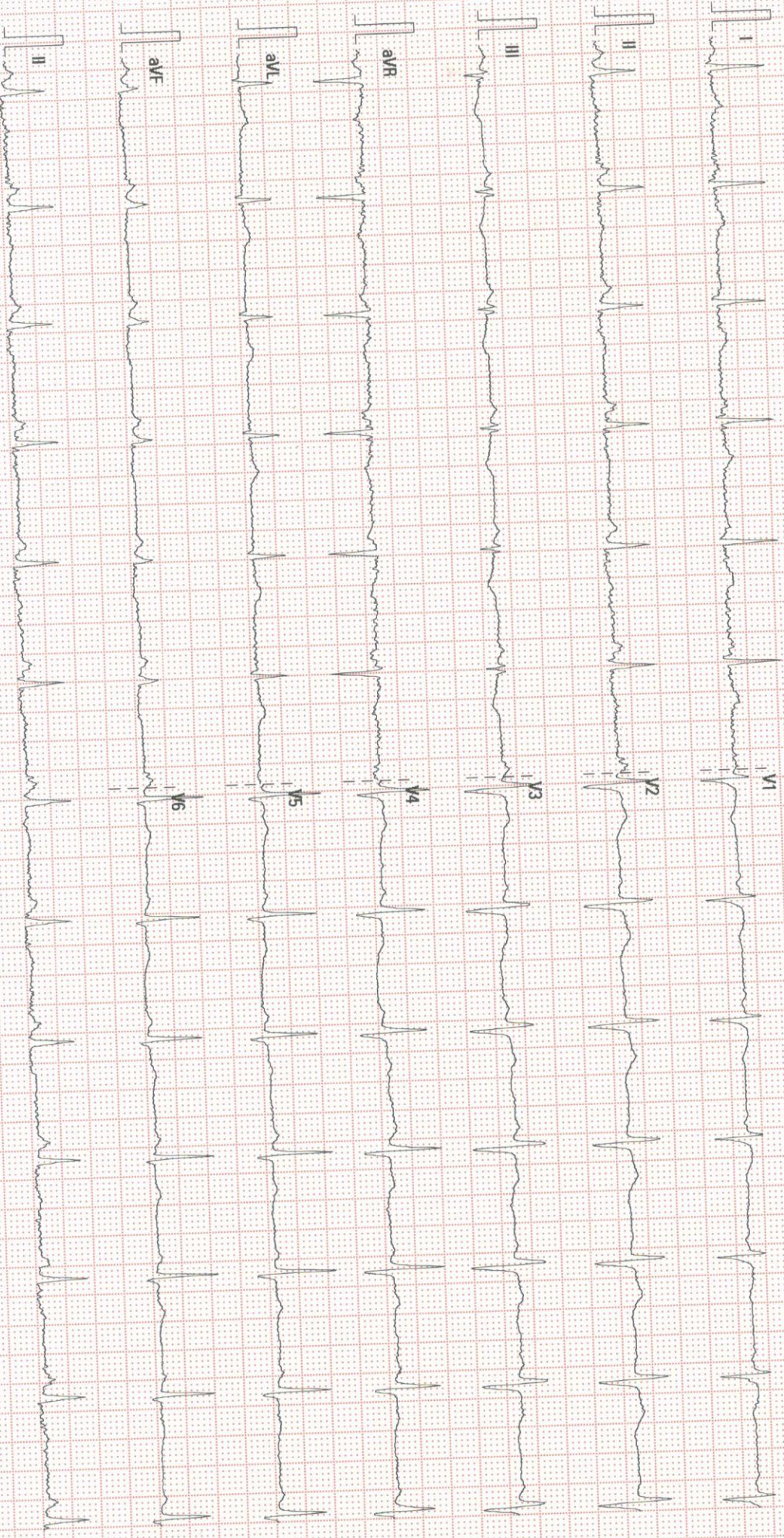


NH MULTISPECIALTY CLINIC - JAYANAGAR  
MS.VALLI S012-1386 F 23-09-2023 10:15 AM

ID: 2015-1386  
Name: MRS VALLI N  
Age: 44 Years  
Gender: Female

23-09-2023 10:24:30 AM

Heart Rate	74 bpm
PR Interval	136 ms
QRS Duration	98 ms
QT/QTc Interval	388/413 ms
P/QRS/T Axes	65/31/-21 deg
QTc/QTd	



25 mm/s  
10 mm/mV  
50 Hz  
BDR 35 Hz

NARAYANA HEALTH JAYANAGAR

02.06.00.V28.4.1

SN:TH-73007176