

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Munegowda N MRN : 2015000001384 Gender/Age : MALE , 54y (04/08/1969)

Collected On : 23/09/2023 08:29 AM Received On : 23/09/2023 11:47 AM Reported On : 23/09/2023 02:03 PM

Barcode : 032309230106 Specimen : Urine Consultant : Dr. Priya S(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9743693934

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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URINE ROUTINE & MICROSCOPY

PHYSICAL EXAMINATION

Colour	Yellow	-	-
Appearance	Clear	-	-

CHEMICAL EXAMINATION

pH(Reaction) (pH Indicator Method)	5.0	-	4.5-7.5
Sp. Gravity (Refractive Index)	1.017	-	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

MICROSCOPIC EXAMINATION

Pus Cells	1.5	/hpf	0-5
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Patient Name : Mr Munegowda N MRN : 2015000001384 Gender/Age : MALE , 54y (04/08/1969)			
RBC	0.0	/hpf	0-4
Epithelial Cells	0.2	/hpf	0-6
Crystals	0.0	/hpf	0-2
Casts	0.00	/hpf	0-1
Bacteria	1.9	/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
Urine For Sugar (Post Prandial) (Enzyme Method (GOD POD))	Not Present	-
Urine For Sugar (Fasting) (Enzyme Method (GOD POD))	Not Present	-

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

NARAYANA HRUDAYALAYA BLOOD CENTRE

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group (Column Agglutination Technology)	O	-
RH Typing (Column Agglutination Technology)	Positive	-



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

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Colorimetric - Glucose Oxidase Peroxidase)	95	mg/dL	70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020
HBA1C			
HbA1c (HPLC NGSP Certified)	6.0 H	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2020
Estimated Average Glucose (Calculated)	125.5	-	-

Interpretation:

1. HbA1C above 6.5% can be used to diagnose diabetes provided the patient has symptoms. If the patient does not have symptoms with

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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.

2. 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.

3. Any sample with >15% should be suspected of having a haemoglobin variant.

SERUM CREATININE

Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.93	mg/dL	0.66-1.25
eGFR (Calculated)	84.7	mL/min/1.73m ²	Indicative of renal impairment < 60 Note:eGFR is inaccurate for Hemodynamically unstable patients eGFR is not applicable for less than 18 years of age.
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric – Urease)	14	mg/dL	9.0-20.0
Serum Uric Acid (Colorimetric - Uricase, Peroxidase)	5.2	mg/dL	3.5-8.5

LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)

Cholesterol Total (Colorimetric - Cholesterol Oxidase)	218 H	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Colorimetric - Lip/Glycerol Kinase)	107	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	45	mg/dL	40.0-60.0
Non-HDL Cholesterol (Calculated)	173.0 H	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
LDL Cholesterol (Colorimetric)	154	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	21.4	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	4.9	-	0.0-5.0

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Prostate Specific Antigen (PSA) (Enhanced Chemiluminescence) 1.39 ng/mL 0.0-3.5

Interpretation Notes

- PSA is a recommended test for detection of prostate cancer along with Digital Rectal Examination (DRE) in males above 50 years of age.
PSA levels are increased in Prostate cancer, Benign Prostatic Hyperplasia, Prostatitis, Genitourinary infections.
False negative/positive results are observed in patients receiving mouse monoclonal antibodies for diagnosis or therapy.
All values should be correlated with clinical findings and results of other investigations.
Note: Patient results determined by assay using different manufacturers or methods may not be comparable.

LIVER FUNCTION TEST(LFT)

Bilirubin Total (Colorimetric -Diazo Method)	0.71	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)	0.71	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	8.20	gm/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.80	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.4	gm/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.42	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	35	U/L	17.0-59.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	43	U/L	<50.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	72	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	46	U/L	15.0-73.0

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



Dr. Anushre Prasad
MBBS,MD, Biochemistry
Consultant Biochemistry

HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	16.8	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	6.34 H	million/ μ l	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	51.8 H	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	81.7 L	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	26.5 L	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.4	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	14.4 H	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	341	$10^3/\mu$ L	150.0-450.0
Mean Platelet Volume (MPV)	8.0	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	9.8	$10^3/\mu$ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	57.9	%	40.0-75.0

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Lymphocytes (VCS Technology Plus Microscopy)	32.5	%	20.0-40.0
Monocytes (VCS Technology Plus Microscopy)	7.1	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	1.9	%	1.0-6.0
Basophils (VCS Technology Plus Microscopy)	0.6	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	5.68	x10 ³ cells/ μ l	2.0-7.0
Absolute Lymphocyte Count (Calculated)	3.19 H	x10 ³ cells/ μ l	1.0-3.0
Absolute Monocyte Count (Calculated)	0.7	x10 ³ cells/ μ l	0.2-1.0
Absolute Eosinophil Count (Calculated)	0.19	x10 ³ cells/ μ l	0.02-0.5
Absolute Basophil Count (Calculated)	0.06	-	-

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.



Dr. Deepak M B
MD, PDF, Hematopathology

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Consultant

HEMATOLOGY

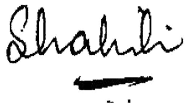
Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	1	mm/1hr	0.0-12.0

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

--End of Report-



Dr. Shalini K S
DCP, DNB, Pathology
Consultant

Note

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



ADULT TRANS-THORACIC ECHO REPORT

NAME : MR.MUNEGOWDA N

AGE/SEX : 54YRS/MALE

MRN NO : 20150000001384

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%

MEASUREMENTS

AO: 26 MM LVID (d) : 38 MM IVS (d) : 09 MM RA :30 MM
LA: 30 MM LVID(s) : 25 MM PW (d) : 09 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

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 - 1.0/0.8 M/S, MR - MILD

AORTIC VALVE : PG- 4 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- 13 MM, NORMAL SIZED, COLLAPSIBILITY >50%, RAP -3 MM
SINUS RHYTHM / HR- 76 BPM


VISHALAKSHI
CARDIAC SONOGRAPHER

Patient Name : Mr. Munegowda

Age : 54 Years

Referring Doctor : EHP

Sex : Male

Date : 23.09.2023

ULTRASOUND ABDOMEN AND PELVIS

FINDINGS:

Liver is normal in size and 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 9.5 cm in length & 1.4 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 8.5 cm in length & 1.7 cm in parenchymal thickness), position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of calculi or hydronephrosis.

Urinary Bladder is partially distended. Wall thickness is normal. No evidence of calculi.
Pre Void-150cc Post Void-14cc

Prostate is normal in echopattern and mildly enlarged in size. measuring 3.9x3.9x4.2cm volume-34cc

IMPRESSION:

- Grade I- II Fatty Liver.
- Grade I Prostatomegaly



Dr. B S Ramkumar
Consultant
Radiologist

Disclaimer:

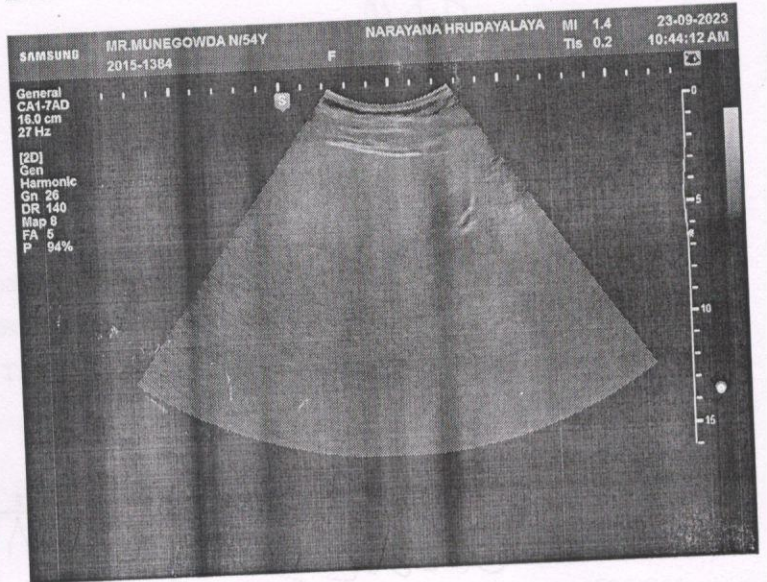
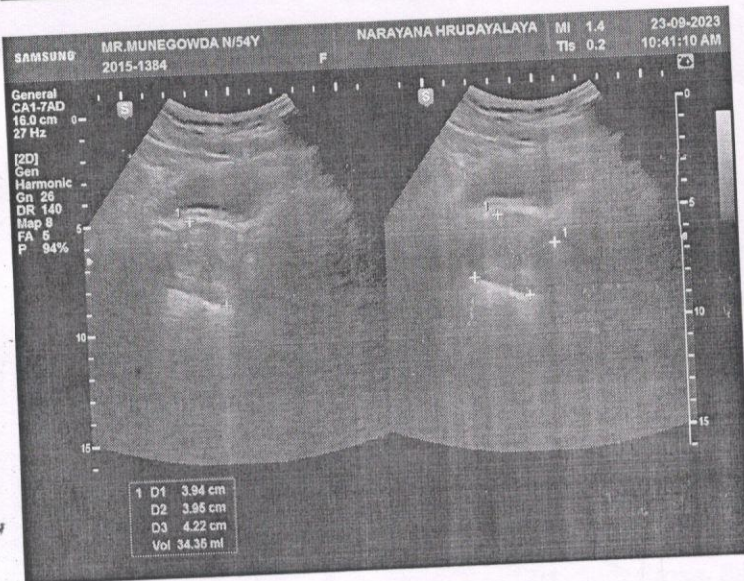
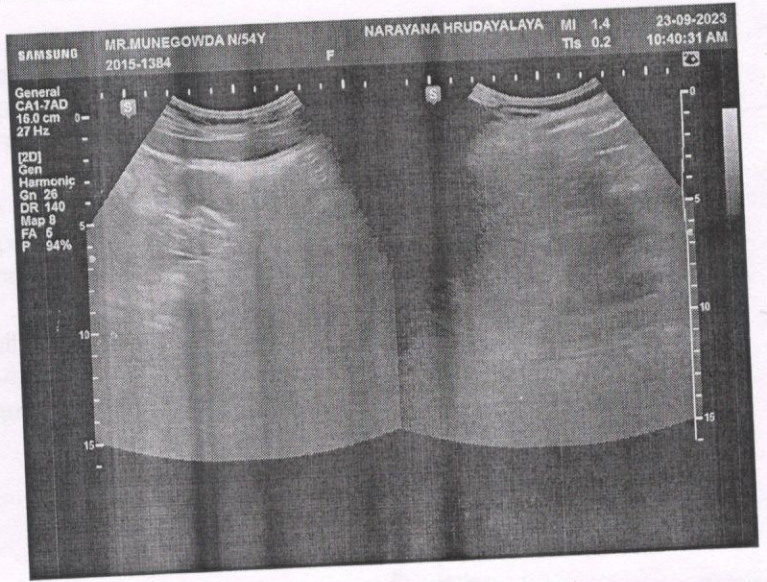
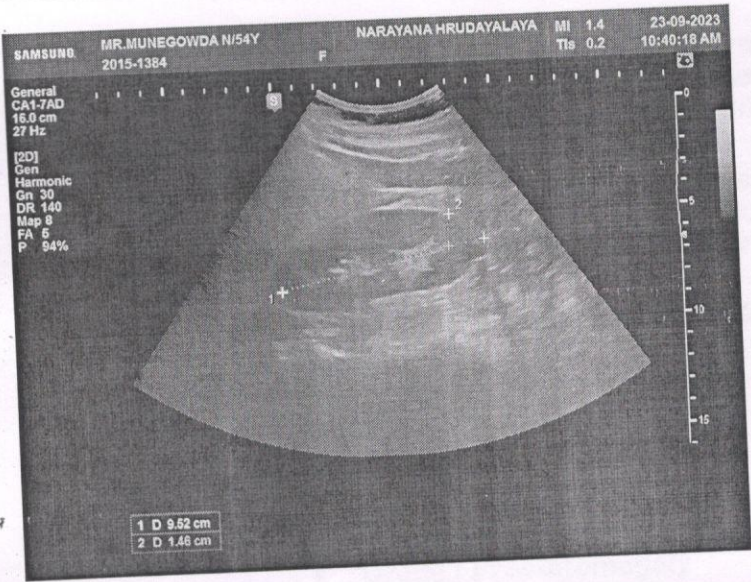
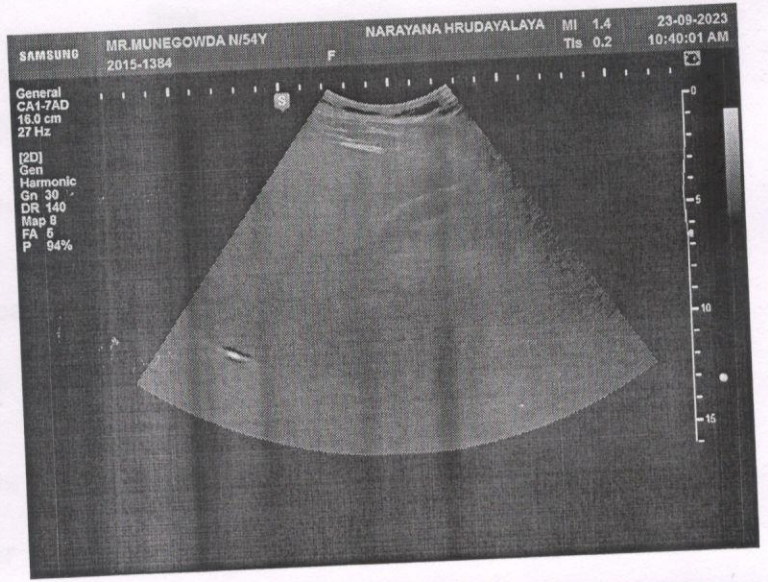
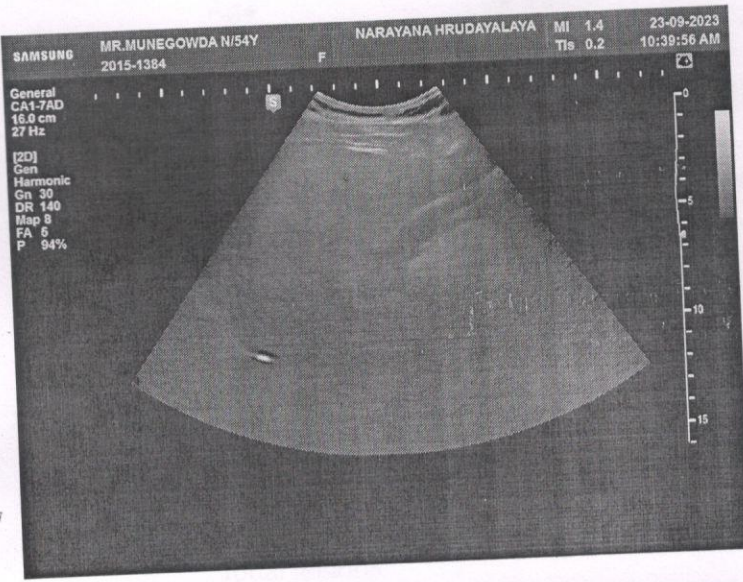
Note: Investigations have their limitations. Solitary pathological/Radiological and other investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. Please interpret accordingly. This Report is not for Medico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

Sound Image Report

Patient
 ID Name: MR.MUNEGOWDA N/54Y
 Birth Date: 2015-1384
 Gender: Female

Exam

Accession #: 2015-1384
 Exam Date: 23-09-2023
 Description:
 Operator:



Patient Name	MR.MUNEGOWDA.N	Requested By	EHP
MRN	20150000001384	Procedure DateTime	23-09-2023 11:24
Age/Sex	54Y 1M/Male	Hospital	NH-JAYANAGAR

CHEST RADIOGRAPH (PA VIEW)


CLINICAL DETAILS: For 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 Girish D, DMRD, DNB
Associate Consultant

* This is a digitally signed valid document. Reported Date/Time: 23-09-2023 12:12

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-- End of Report --
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Narayana Multispeciality Clinic

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

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

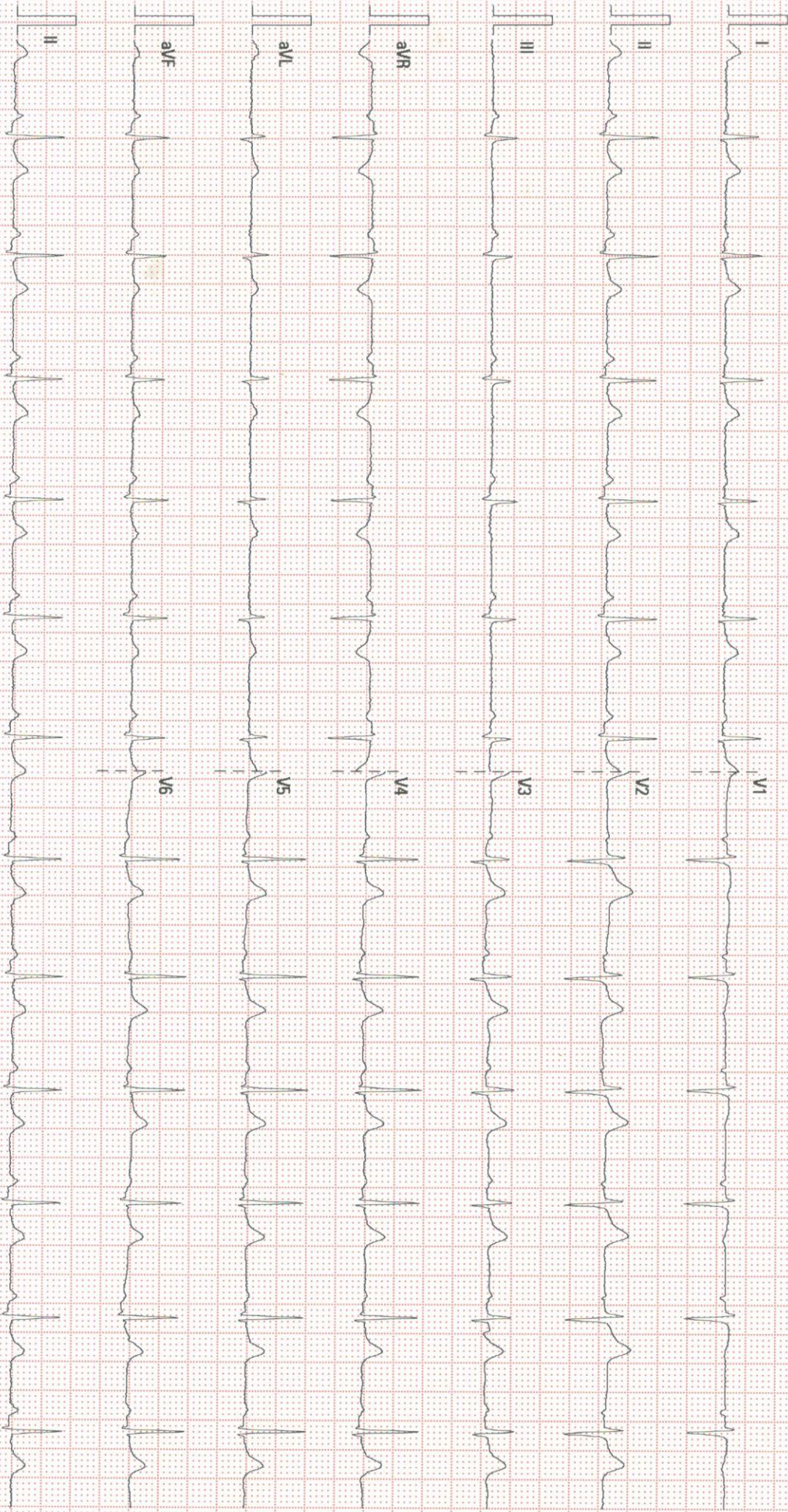
E-mail: info.jayanagar@narayanahealth.org, web : www.narayanahealth.org

ID: 2015-1384
Name: MR MUNEGOWDA N
Age: 54 Years
Gender: Male

23-09-2023 08:57:40 AM

Heart Rate	75 bpm
PR Interval	160 ms
QRS Duration	72 ms
QT/QTc Interval	352/318 ms
P/ORS/ST Axes	68/53/34 deg

QTc:Hodges



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

NARAYANA HEALTH, JAYANAGAR

02.06.00/V28.4.1

SN:FN-73007176



MILESTONES

VISUAL DEVELOPMENT CENTER

105, 7th main, Jayanagar 4th block, Near Maiyas Restaurant, Bengaluru- 560 011.

WWW.MILESTONESINSTITUTIONS.ORG | Ph: 080 2664 4448

Evaluation

Name : Mr. N. Mune Gowda.
Age : 54 yr.
Gender : male
MRD No : 2015-1385
Chief Complaint : do routine check up

Ocular History no K/D spectacles

General History

not a K/C to HTN / DM / Asthma

VISION

Distance:

Pinhole:

Near:

OD
6/6

OS
6/6

Objective Refraction:

EYE	Sph	Cyl	Axis
OD	+0.00		
OS	+0.00		

Subjective Refraction:

EYE	Sph	Cyl	Axis
OD		Plano	
OS		Plano	

6/6
6/6


Add +2.50 B.E.N.6

Slit lamp Examination :

OU WNL

Diagnosis and Advise :

use prescribed glasses.


Milestones
Visual Development Center
No. 105, 7th Main,
Near Maiyas Restaurant, 4th Block
Jayanagar, Bangalore-560 011