

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Mohan B N MRN : 20110000012739 Gender/Age : MALE , 65y (01/07/1958)
Collected On : 14/10/2023 09:23 AM Received On : 14/10/2023 11:44 AM Reported On : 14/10/2023 04:28 PM
Barcode : 1B2310140020 Specimen : Whole Blood Consultant : Dr. Priya S(FAMILY MEDICINE)
Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9448090885

NARAYANA HRUDAYALAYA BLOOD CENTRE

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



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

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC NGSP Certified)	6.5 H	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2020
Estimated Average Glucose (Calculated)	139.85	-	-

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.



Patient Name : Mr Mohan B N MRN : 20110000012739 Gender/Age : MALE , 65y (01/07/1958)



Dr. Anushre Prasad
MBBS,MD, Biochemistry
Consultant Biochemistry

HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	5	mm/1hr	0.0-14.0

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

COMPLETE BLOOD COUNT (CBC)

Haemoglobin (Hb%) (Photometric Measurement)	14.9	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	5.34	million/ μ l	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	45.5	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	85.2	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	27.8	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.6	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	14.0	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	182	$10^3/\mu$ L	150.0-450.0
Mean Platelet Volume (MPV)	7.5	fL	7.0-11.7

Patient Name : Mr Mohan B N MRN : 20110000012739 Gender/Age : MALE , 65y (01/07/1958)			
Total Leucocyte Count(WBC) (Electrical Impedance)	6.2	10 ³ /μL	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	56.1	%	40.0-75.0
Lymphocytes (VCS Technology Plus Microscopy)	31.7	%	20.0-40.0
Monocytes (VCS Technology Plus Microscopy)	8.6	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	3.1	%	1.0-6.0
Basophils (VCS Technology Plus Microscopy)	0.5	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	3.48	x10 ³ cells/μl	2.0-7.0
Absolute Lymphocyte Count (Calculated)	1.97	x10 ³ cells/μl	1.0-3.0
Absolute Monocyte Count (Calculated)	0.54	x10 ³ cells/μl	0.2-1.0
Absolute Eosinophil Count (Calculated)	0.2	x10 ³ cells/μl	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.

Patient Name : Mr Mohan B N MRN : 20110000012739 Gender/Age : MALE , 65y (01/07/1958)

Hema S

Dr. Hema S
MD, DNB, Pathology
Associate Consultant

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
FASTING BLOOD GLUCOSE (FBG) (Colorimetric - Glucose Oxidase Peroxidase)	114 H	mg/dL	70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020
POST PRANDIAL BLOOD GLUCOSE (PPBG) (Colorimetric - Glucose Oxidase Peroxidase)	129	mg/dL	70 to 139 : Normal 140 to 199 : Pre-diabetes =>200 : Diabetes ADA standards 2020

SERUM CREATININE

Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.75	mg/dL	0.66-1.25
eGFR (Calculated)	104.6	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)	9	mg/dL	9.0-20.0

Serum Uric Acid (Colorimetric - Uricase,Peroxidase)	5.06	mg/dL	3.5-8.5
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LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)

Cholesterol Total (Colorimetric - Cholesterol Oxidase)	154	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Colorimetric - Lip/Glycerol Kinase)	65	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500

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Narayana Institute of Cardiac Sciences

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

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1800-309-0309

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97384 97384

Patient Name : Mr Mohan B N MRN : 20110000012739 Gender/Age : MALE , 65y (01/07/1958)			
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	44	mg/dL	40.0-60.0
Non-HDL Cholesterol (Calculated)	110.0	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
LDL Cholesterol (Colorimetric)	103 L	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	13.0	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	3.5	-	0.0-5.0
Prostate Specific Antigen (PSA) (Enhanced Chemiluminescence)	0.332	ng/mL	0.0-4.5

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.

THYROID PROFILE (T3, T4, TSH)

Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence)	1.32	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence)	9.45	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence)	1.962	µIU/mL	0.4-4.049

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 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)

Patient Name : Mr Mohan B N MRN : 20110000012739 Gender/Age : MALE , 65y (01/07/1958)			
Bilirubin Total (Colorimetric -Diazo Method)	1.30	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)	1.3 H	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.30	gm/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.40	gm/dL	3.5-5.0
Serum Globulin (Calculated)	2.9	gm/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.52	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	41	U/L	17.0-59.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	56 H	U/L	<50.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	80	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	27	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.



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



Dr. Anushre Prasad
MBBS,MD, Biochemistry
Consultant Biochemistry

CLINICAL PATHOLOGY

Patient Name : Mr Mohan B N MRN : 20110000012739 Gender/Age : MALE , 65y (01/07/1958)

Test	Result	Unit	Biological Reference Interval
URINE ROUTINE & MICROSCOPY			
PHYSICAL EXAMINATION			
Colour	Yellow	-	-
Appearance	Clear	-	-
CHEMICAL EXAMINATION			
pH(Reaction) (pH Indicator Method)	5.5	-	4.5-7.5
Sp. Gravity (Refractive Index)	1.008	-	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	-	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	0.1	/hpf	0-5
RBC	0.1	/hpf	0-4
Epithelial Cells	0.1	/hpf	0-6
Crystals	0.0	/hpf	0-2
Casts		/hpf	0-1

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	0.00		
Bacteria	0.8	/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.

Urine For Sugar (Fasting) (Enzyme Method (GOD POD))	Not Present	-	-
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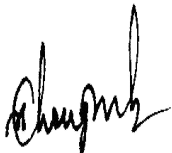
Dr. Deepak M B
MD, PDF, Hematopathology
Consultant

CLINICAL PATHOLOGY

Test
Urine For Sugar (Post Prandial) (Enzyme Method (GOD POD))

Result **Unit**
Not Present -

--End of Report--



Dr. Sudarshan Chougule
MBBS, MD, Pathology

Patient Name : Mr Mohan B N MRN : 20110000012739 Gender/Age : MALE , 65y (01/07/1958)

Consultant & Head - Hematology & Flow Cytometry

Note

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

(FASTING BLOOD GLUCOSE (FBG), -> Auto Authorized)

(Lipid Profile, -> Auto Authorized)

(, -> Auto Authorized)

(CR, -> Auto Authorized)

(LFT, -> Auto Authorized)

(Uric Acid, -> Auto Authorized)

(Blood Urea Nitrogen (Bun), -> Auto Authorized)

(Prostate Specific Antigen (Psa), -> Auto Authorized)

(POST PRANDIAL BLOOD GLUCOSE (PPBG) -> Auto Authorized)



ADULT TRANS-THORACIC ECHO REPORT

NAME : MR. MOHAN B N

AGE/SEX : 65YRS/MALE

MRN NO : 20110000012739

DATE : 14.10.2023

FINAL DIAGNOSIS:

- NORMAL CHAMBER DIMENSIONS
- NO RWMA
- TRIVIAL - AR/SCLEROTIC AV
- MR-MILD
- TR-MILD
- NORMAL PA PRESSURE
- NORMAL RV FUNCTION
- BORDERLINE LV FUNCTION
- LVEF- 55%

MEASUREMENTS

AO: 26 MM	LVID (d) : 45 MM	IVS (d) : 11 MM	RA : 36 MM
LA: 33 MM	LVID(s) : 33 MM	PW (d) : 10 MM	RV : 27 MM
EF: 55 %			

VALVES

MITRAL VALVE : NORMAL
AORTIC VALVE : SCLEROTIC WITH NORMAL LEAFLET MOBILITY
TRICUSPID VALVE : NORMAL
PULMONARY VALVE : NORMAL

CHAMBERS

LEFT ATRIUM : NORMAL
RIGHT ATRIUM : NORMAL
LEFT VENTRICLE : NORMAL, BORDERLINE 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 – 0.4/0.7 M/S, MILD LVDD, MR – MILD

AORTIC VALVE : PG- 3 MMHG

TRICUSPID VALVE : TR – MILD, PASP- 25 MMHG

PULMONARY VALVE : PG- 3 MMHG

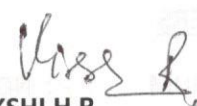
WALL MOTION ABNORMALITIES: NO RWMA

PERICARDIUM : NORMAL

VEGETATION/THROMBUS : ABSENT

OTHER FINDINGS

IVC- 12 MM, NORMAL SIZED, COLLAPSIBILITY >50%, RAP -3 MM
SINUS RHYTHM / HR- 88 BPM


VISHALAKSHI H R
CARDIAC SONOGRAPHER

Patient Name	MR.MOHAN B N	Requested By	EHP
MRN	20110000012739	Procedure Date Time	14-10-2023 11:40
Age/Sex	64Y 4M/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.
- Mild diffuse osteopenia is noted.
- Both the diaphragmatic domes appear normal.

IMPRESSION:

- No significant abnormality detected.


Dr. Pallavi Cj, DMRD, DNB
Consultant Radiologist

* This is a digitally signed valid document. Reported Date/Time: 14-10-2023 12:36

This report has been generated from **NH Teleradiology 24/7**, a service of Narayana Health
-- End of Report --
Page 1 of 1

ULTRASOUND ABDOMEN AND PELVIS

Patient Name : Mr.Mohan B **Patient ID** : 2011-12739
Age : 65Years **Sex** : Male
Referring Doctor : EHP **Date** : 14.10.2023

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 1.8 cm in length & 1.6 cm in parenchymal thickness), position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of hydronephrosis. **Calculus in the upper pole measuring 3.3mm. simple cyst in the lower pole measuring 0.7x0.7cm**

Left Kidney is normal in size (measures 9.4 cm in length & 1.8 cm in parenchymal thickness), position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of hydronephrosis. **Calculus in the mid pole measuring 2mm**

Urinary Bladder is well distended. Wall thickness is normal. No evidence of calculi.

Pre Void-140cc Post Void-15cc

Prostate is normal in echopattern and **mildly enlarged** in size measuring 3.5x3.3x3.8cm. volume-24cc

IMPRESSION:

- **Grade I Fatty Liver.**
- **Bilateral Renal Calculus.**
- **Grade I Prostatomegaly**



Dr B S RAMKUMAR35772
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.

2011-12739
MR.MOHAN B N/65Y
Male

Exam

Accession #
Exam Date
Description
Operator

14-10-2023

Examination Date
Examination Gender

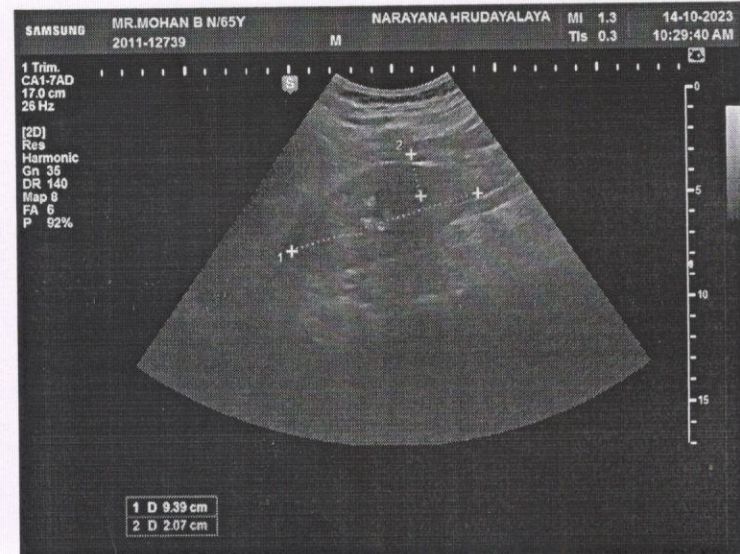
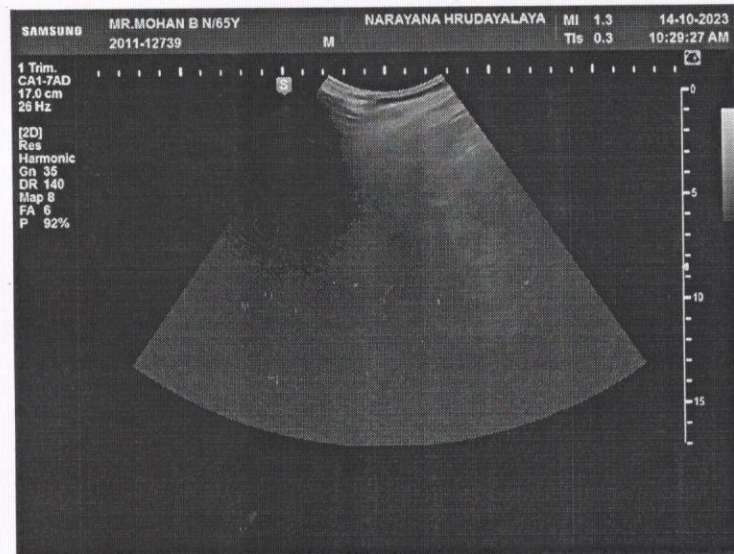
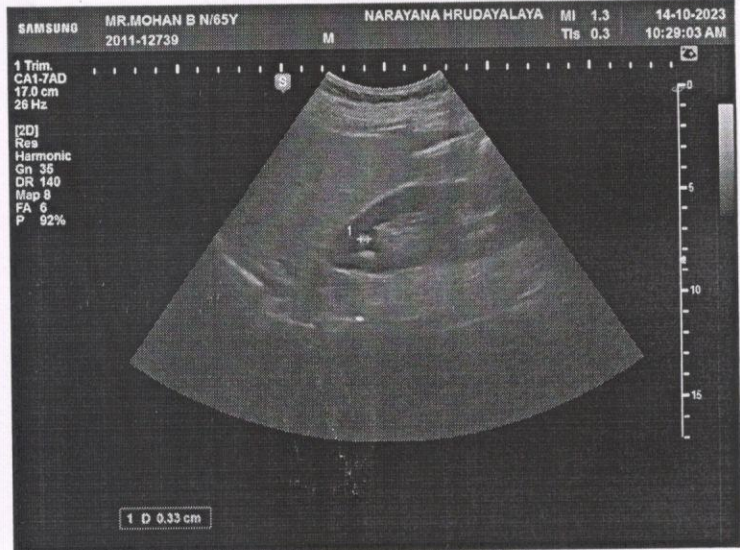
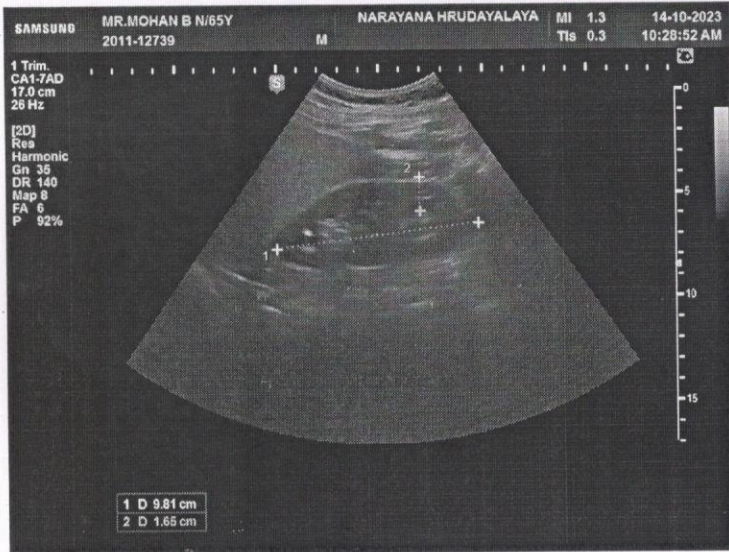
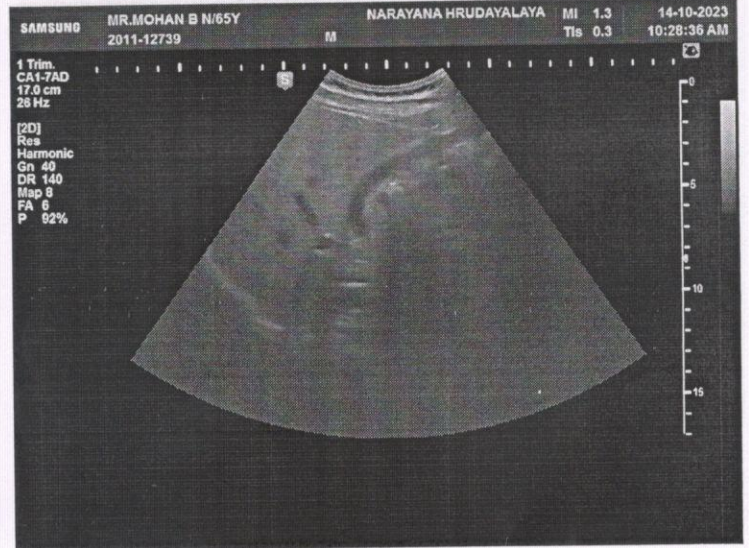
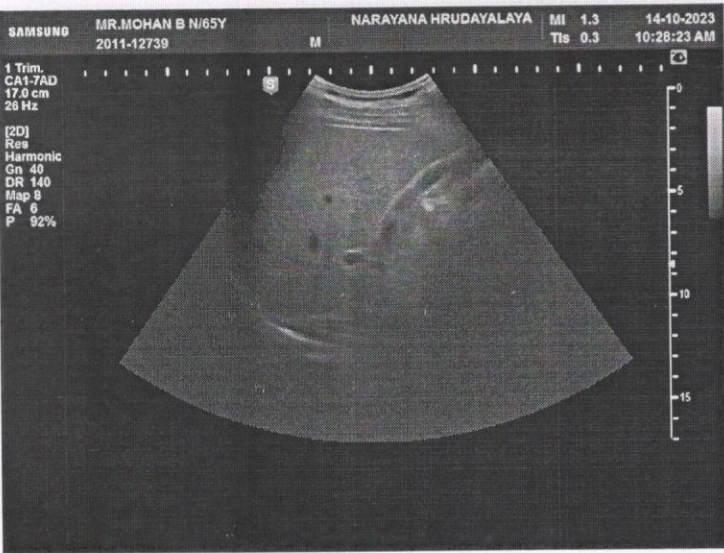
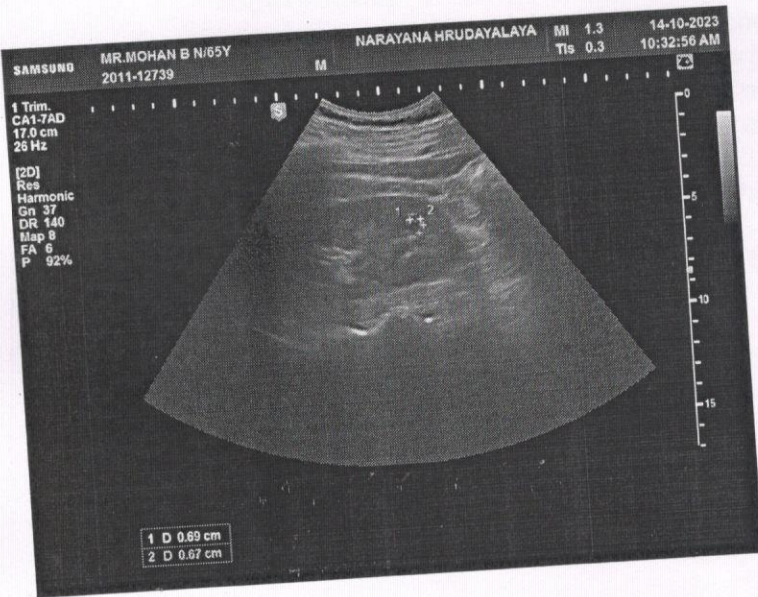
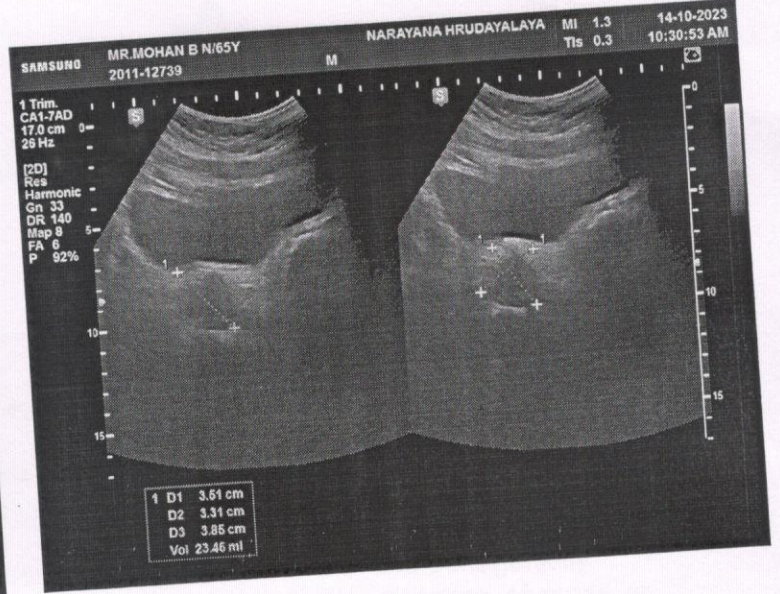
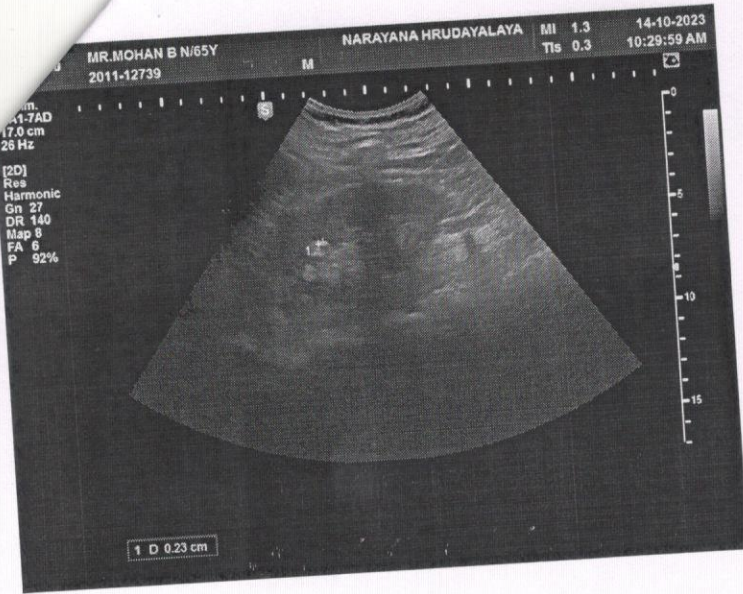


Image Report

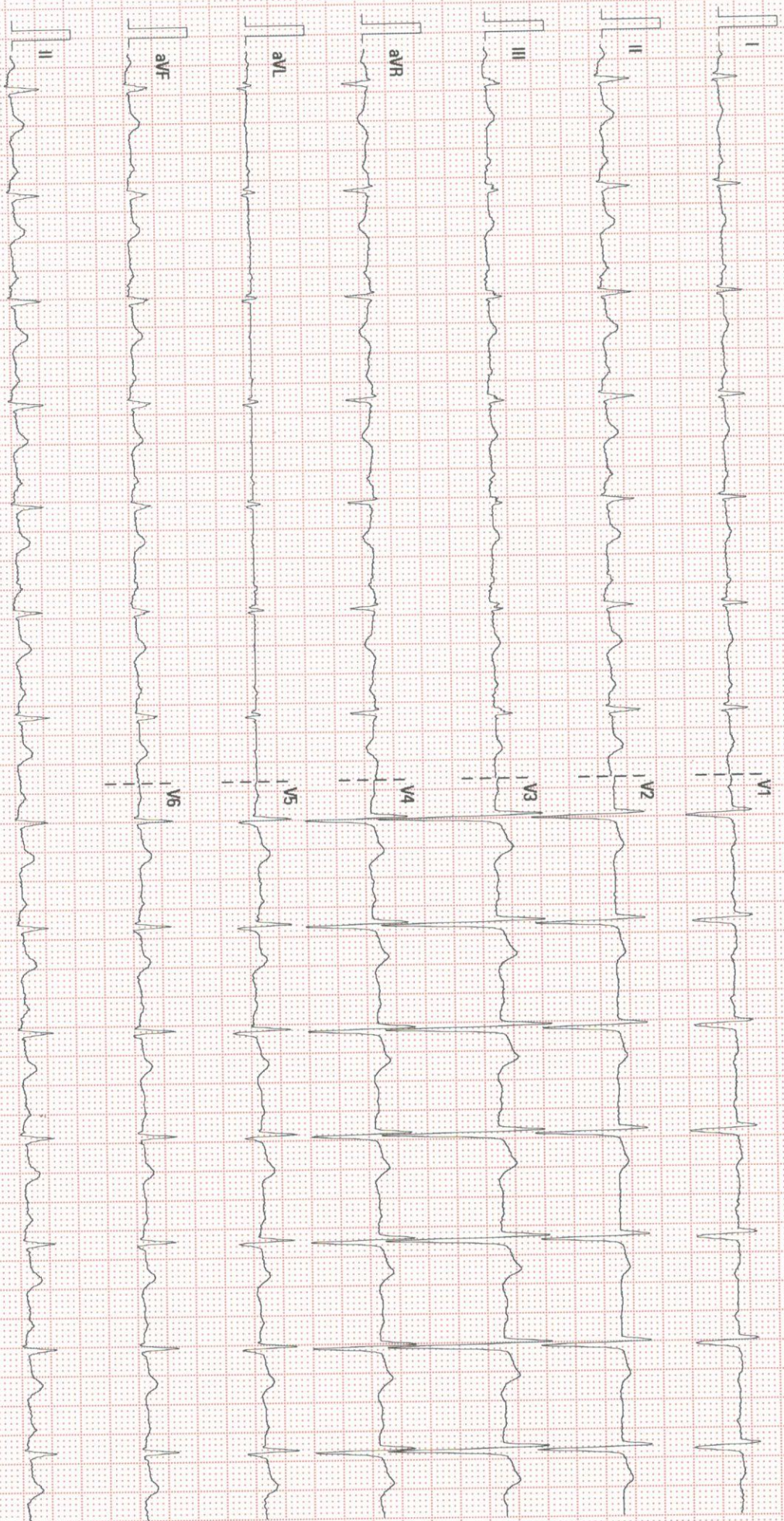


ID: 2011-12739
Name: MR MOHAN
Age: 65 Years
Gender: Male

14-10-2023 10:05:56 AM

Vent. Rate	84 bpm
PR Interval	176 ms
QRS Duration	90 ms
QT/QTc Interval	372/414 ms
P/QRS/T Axes	61/63/68 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