

### **DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name: Mr P Gunasheela MRN: 20150000000680 Gender/Age: MALE, 58y (20/04/1965)

Collected On: 27/06/2023 08:56 AM Received On: 27/06/2023 12:58 PM Reported On: 27/06/2023 03:20 PM

Barcode: 032306270119 Specimen: Urine Consultant: EXTERNAL(EXTERNAL)

Sample adequacy: Satisfactory Visit No: OP-001 Patient Mobile No: 9900496780

### **CLINICAL PATHOLOGY**

	CLINICAL PATHOLOGY				
Test	Result	Unit	Biological Reference Interval		
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)	1.009	-	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)	Trace	-	Not Present		
Nitrite (Gries Method)	Not Present	-	Not Present		
MICROSCOPIC EXAMINATION					
Pus Cells	0.3	/hpf	0-5		

Page 1 of 9



(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

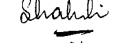
Emergencies
97384 97384



Patient Name : Mr P Gunasheela	MRN: 20150000000680	Gender/Age : MALE , 58y	(20/04/1965)	
RBC	0.2	/hpf	0-4	
Epithelial Cells	0.1	/hpf	0-6	
Crystals	0.0	/hpf	0-2	
Casts	0.00	/hpf	0-1	
Bacteria	4.1	/hpf	0-200	
Yeast Cells	0.0	/hpf	0-1	
Mucus	0.00	-	-	

### **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.



Dr. Shalini K S DCP, DNB, Pathology Consultant

### **CLINICAL PATHOLOGY**

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

Page 2 of 9

**Appointments** 







Dr. Sudarshan Chougule MBBS, MD, Pathology

Consultant & Head - Hematology & Flow Cytometry

#### **BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Colorimetric - Glucose Oxidase Peroxidase)	105 H	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)	131	mg/dL	70 to 139 : Normal 140 to 199 : Pre-diabetes =>200 : Diabetes ADA standards 2020
HBA1C			
HbA1c (HPLC NGSP Certified)	6.1 H	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2020
Estimated Average Glucose (Calculated)	128.37	-	-

### Interpretation:

#### **SERUM CREATININE**

Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.92	mg/dL	0.66-1.25
eGFR (Calculated)	84.5	mL/min/1.73m <sup>2</sup>	Indicative of renal impairment < 60 Note:eGFR is inaccurate for Hemodyamically unstable patients eGFR is not applicable for less than 18 years of age.

Page 3 of 9

**Appointments** 

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

1800-309-0309 Emergencies

97384 97384

<sup>1.</sup> 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.

<sup>2.</sup> 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.

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



Patient Name: Mr P Gunasheela MRN: 201500000	00680 G	ender/Age : MALE , 58v (20	0/04/1965)
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric – Urease)	10	mg/dL	9.0-20.0
Serum Uric Acid (Colorimetric - Uricase,Peroxidase)	4.7	mg/dL	3.5-8.5
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	124	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Colorimetric - Lip/Glycerol Kinase)	66	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	50	mg/dL	40.0-60.0
Non-HDL Cholesterol (Calculated)	74.0	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
LDL Cholesterol (Colorimetric)	61 L	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	13.2	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	2.5	-	0.0-5.0
<b>Prostate Specific Antigen (PSA)</b> (Enhanced Chemiluminesence)	2.23	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

PSA levels are increased in Prostate cancer, Benign Prostatic Hyperplasia, Prostitits, 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	1.41	ng/mL	0.97-1.69
Chemiluminesence)			

Page 4 of 9

**Appointments** 

Narayana Institute of Cardiac Sciences

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497



Patient Name: Mr P Gunasheela MRN: 201500000	00680 Gender/	Age: MALE, 58y (20/04)	/1965)
Thyroxine (T4) (Enhanced Chemiluminesence)	8.60	μg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminesence)	0.9389	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)

Bilirubin Total (Colorimetric - Diazo Method)	0.81	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)	0.81	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	6.50	gm/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.00	gm/dL	3.5-5.0
Serum Globulin (Calculated)	2.5	gm/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.6	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	28	U/L	17.0-59.0
<b>SGPT (ALT)</b> (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	12	U/L	<50.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P- nitro Phenyl Phosphate, AMP Buffer)	52	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide ( Szasz Method))	16	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.

Page 5 of 9

**Appointments** 

Narayana Institute of Cardiac Sciences

1800-309-0309 Emergencies 97384 97384



W

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

Shushre

Dr. Anushre Prasad MBBS,MD, Biochemistry Consultant Biochemistry

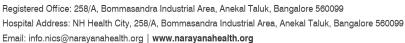
### **HEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	13.7	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	4.47 L	million/μl	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	39.2 L	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	87.8	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	30.7	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	35.0 H	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	13.6	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	252	10 <sup>3</sup> /μL	150.0-450.0
Total Leucocyte Count(WBC) (Electrical Impedance)	6.8	10 <sup>3</sup> /μL	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	62.0	%	40.0-75.0
Lymphocytes (VCS Technology Plus Microscopy)	28.3	%	20.0-40.0

Page 6 of 9



(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497







Patient Name: Mr P Gunasheela MRN: 20150000	000680 Gender/	Age: MALE, 58y (20/04/	/1965)
ratient wanie . Wii r Gunasileela Willin . 20130000	dender/	Age . WALL , 30y (20/04)	1903)
Monocytes (VCS Technology Plus Microscopy)	6.2	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	2.9	%	1.0-6.0
Basophils (VCS Technology Plus Microscopy)	0.6	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	4.22	x10 <sup>3</sup> cells/μl	2.0-7.0
Absolute Lympocyte Count (Calculated)	1.93	x10 <sup>3</sup> cells/μl	1.0-3.0
Absolute Monocyte Count (Calculated)	0.43	x10 <sup>3</sup> cells/μl	0.2-1.0
Absolute Eosinophil Count (Calculated)	0.2	x10 <sup>3</sup> cells/μl	0.02-0.5
Absolute Basophil Count (Calculated)	0.05	-	-

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. Sudarshan Chougule MBBS, MD, Pathology

Consultant & Head - Hematology & Flow Cytometry

Page 7 of 9

**Appointments** 

Emergencies **97384 97384** 



### **HEMATOLOGY**

Test Result Unit Biological Reference Interval

Erythrocyte Sedimentation Rate (ESR) 10 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

Shahili

Dr. Shalini K S DCP, DNB, Pathology Consultant

### NARAYANA HRUDAYALAYA BLOOD CENTRE

Test Result Unit

BLOOD GROUP & RH TYPING

Blood Group (Column Agglutination Technology) A -

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.

Page 8 of 9

Appointments
1800-309-0309

Emergencies

97384 97384



- Results relate to the sample only.
- Kindly correlate clinically.

(Post Prandial Blood Sugar (PPBS), -> Auto Authorized)

(Fasting Blood Sugar (FBS), -> 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)



Page 9 of 9

**Appointments** 

Emergencies **97384 97384** 

Station Telephone:

### EXERCISE STRESS TEST REPORT

Race:

Patient Name: MR GUNASHEELA, Patient ID: 2015-680

Height: 165 cm Weight: 70.1 kg

Study Date: 27.06.2023

Test Type: Treadmill Stress Test

Protocol: BRUCE

Medications:

Medical History:

Reason for Exercise Test: Screening for CAD

DOB: 20.04.1965 Age: 58yrs Gender: Male

Referring Physician: EHP

Attending Physician: DR PRIYA S

Technician: MS GULSUM JAMEEL FATHIMA

### Exercise Test Summary

Phase Name	Stage Name	Time in Stage	Speed (mph)	Grade (%)	HR (bpm)	BP (mmHg)	Comment
PRETEST EXERCISE RECOVERY	SUPINE STAGE 1 STAGE 2 STAGE 3	01:25 03:00 03:00 02:08 05:01	1.20 1.70 2.50 3.40 0.00	0.00 10.00 12.00 14.00 0.00	65 104 113 122 76	140/90 140/90 150/90 150/90 120/80	

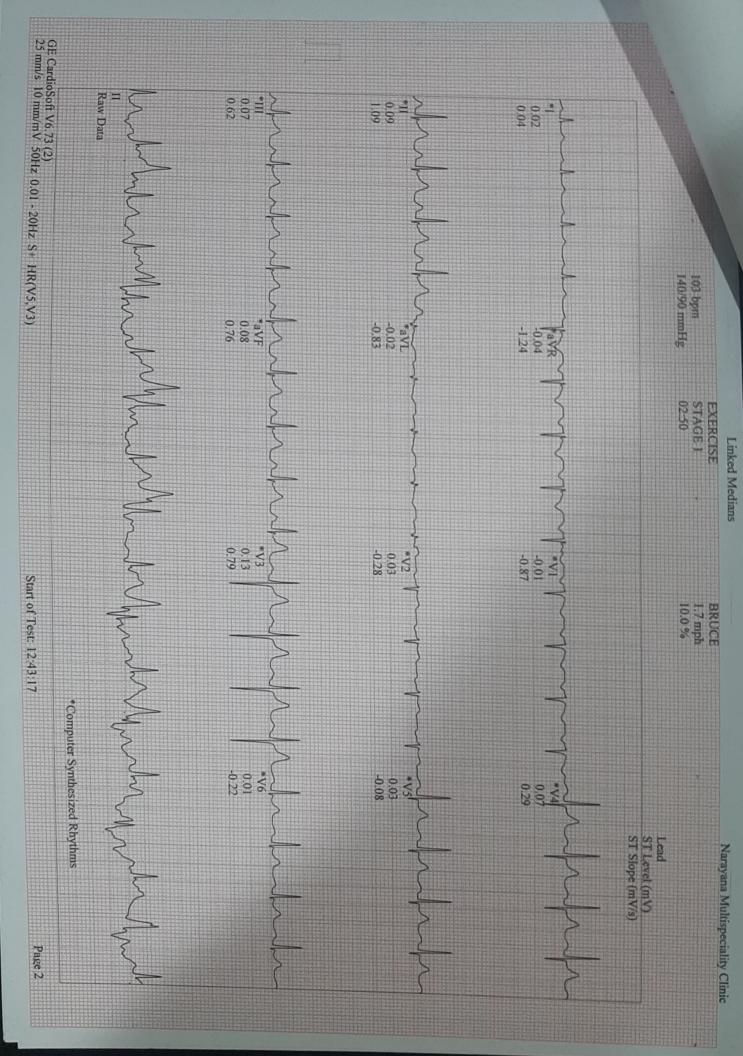
The patient exercised according to the BRUCE for 8:07 min:s, achieving a work level of Max. METS: 10.10. The resting heart rate of 73 bpm rose to a maximal heart rate of 139 bpm. This value represents 85 % of the maximal, age-predicted heart rate. The resting blood pressure of 140/90 mmHg, rose to a maximum blood pressure of 150/90 mmHg. The exercise test was stopped due to Target heart rate achieved.

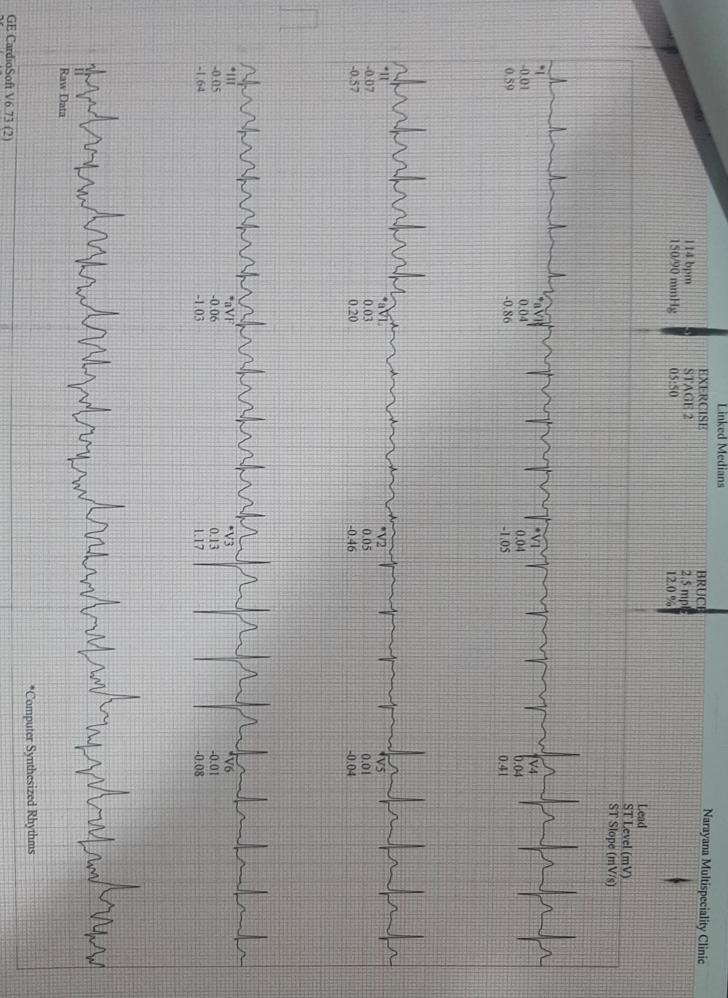
### Interpretation

Conclusions

GOOD EFFORT TOLERANCE
NORMAL HR AND BP RESPONSE
NO ANGINA OR ARRHYTHMIAS
NO SIGNIFICANT ST-T CHANGES NOTED DURING EXERCISE AND RECOVERY
IMP:STRESS TEST IS NEGATIVE FOR INDUCIBLE ISCHEMIA

Physician	Technician
· · · · · · · · · · · · · · · · · · ·	CONTROL OF THE PARTY OF THE PAR

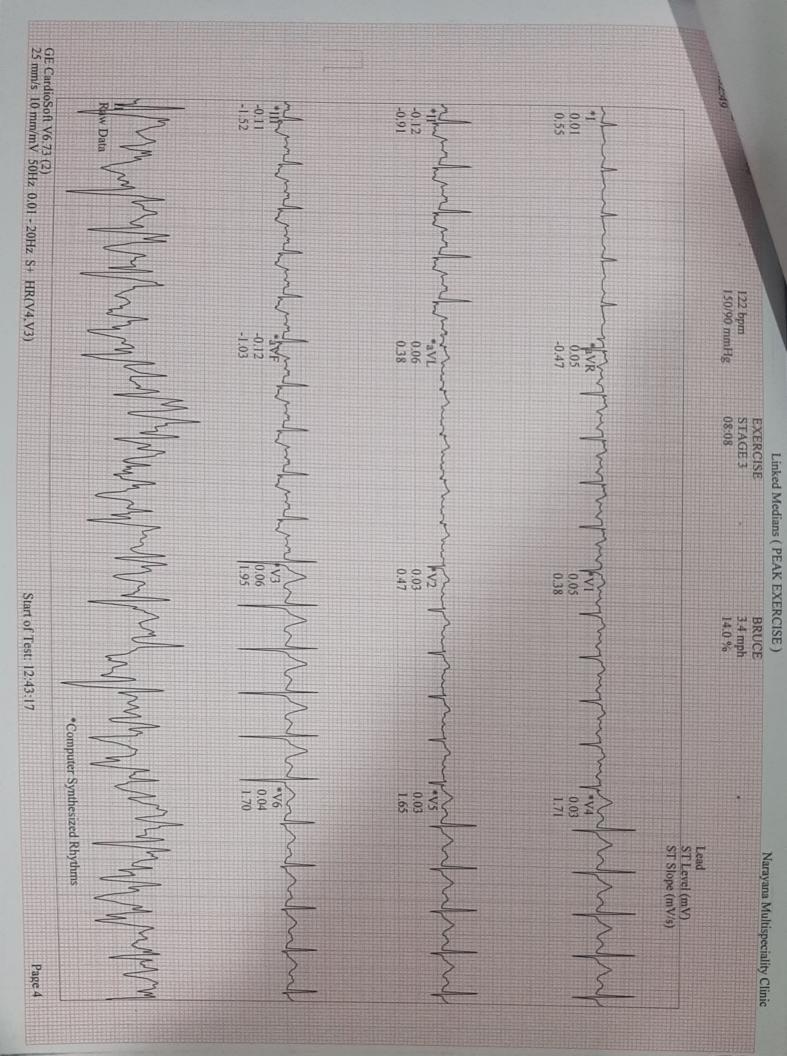


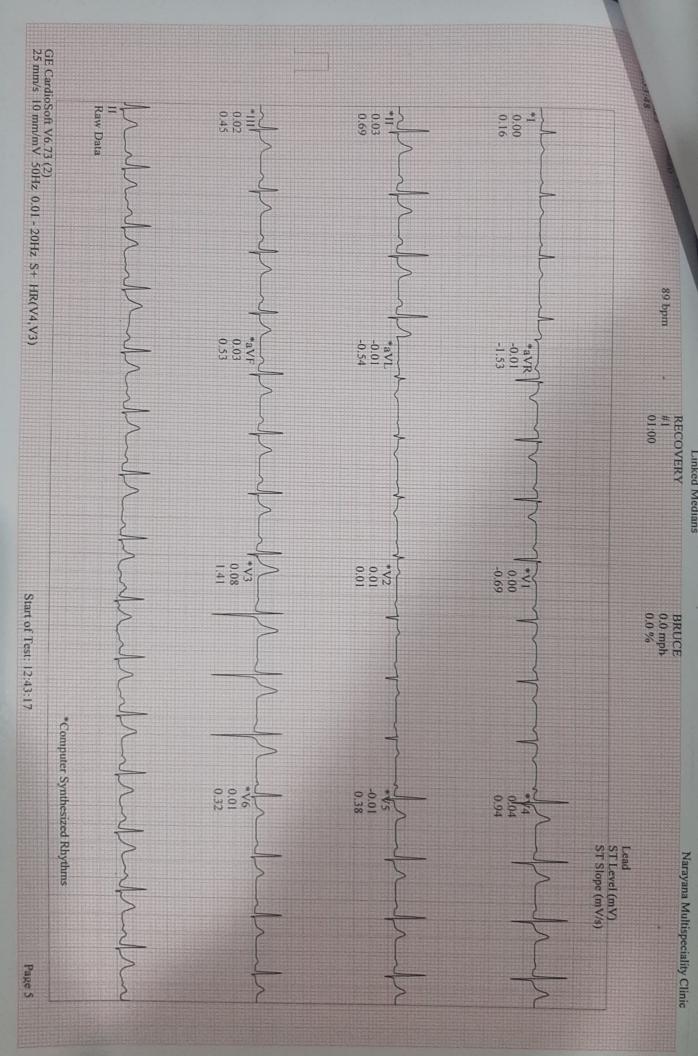


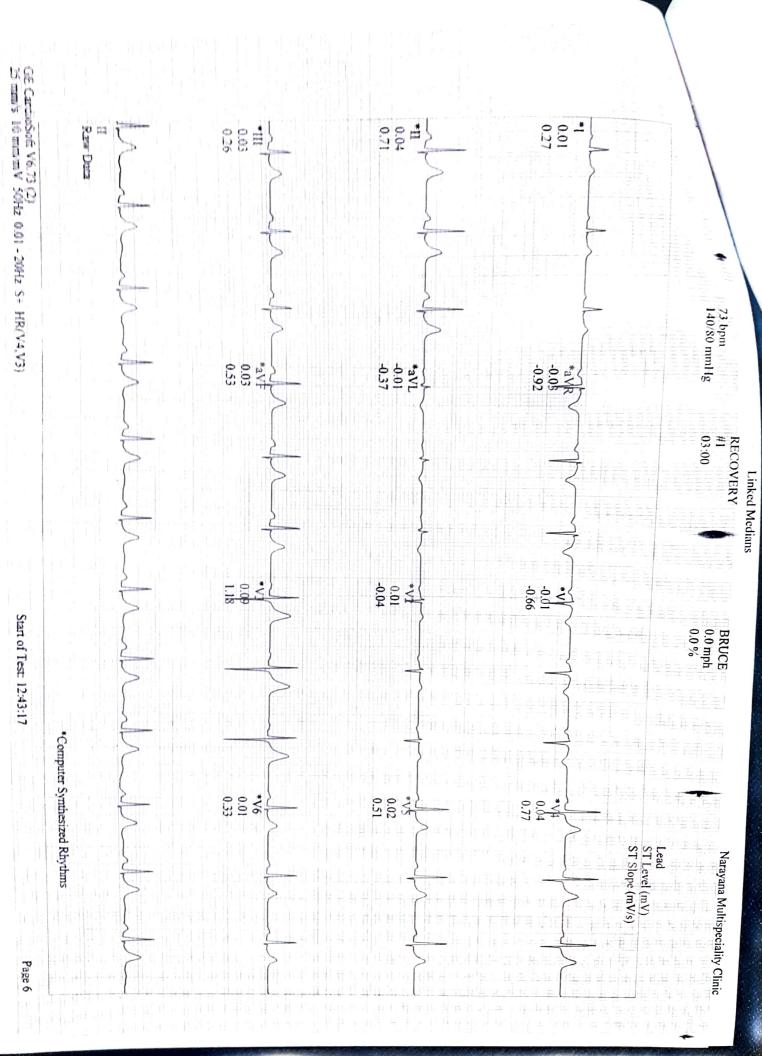
GE CardioSoft V6.73 (2) 25 mm/s 10 mm/mV 50Hz 0.01 - 20Hz S+ HR(V3,V4)

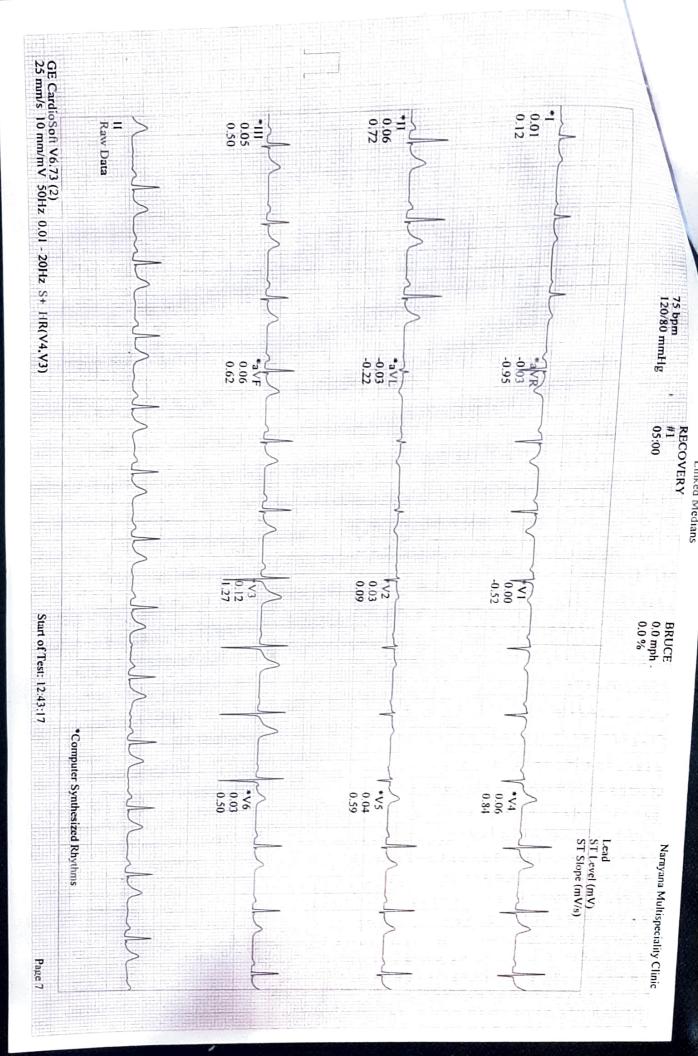
Start of Test: 12:43:17

Page 3











Patient Name

: Mr.P GUNASHEELA

Age

: 50 Years

Referring Doctor :EHP

Sex

: Male

Date

: 27.06.2023

### ULTRASOUND ABDOMEN AND PELVIS

### FINDINGS:

Liver is normal in size and shows mild increase echopattern. No intra or extra hepatic biliary duct dilatation.

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 9.3cm in length & 1.5cm in parenchymal thickness), position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of calculi or hydronephrosis.

Left Kidney is normal in size (measures 9.7cm in length & 1.5cm 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

Pre Void-105cc

Post Void-22 cc

Prostate is normal in echopattern and mildly enlarged in size, measures 3.9X3.9X4.1cm Volume

Fluid - There is no ascites or pleural effusion.

### IMPRESSION:

- Grade I Fatty Liver.
- Grade I Prostatomegaly.

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

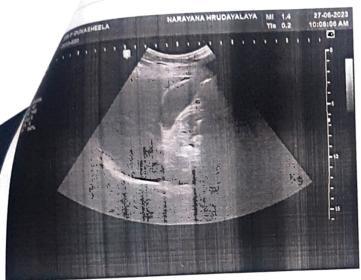
info.jayanagar@narayanahealth.org, web : www.narayanahealth.org

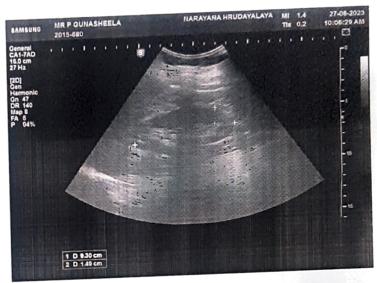
2015-680 MR P GUNASHEELA

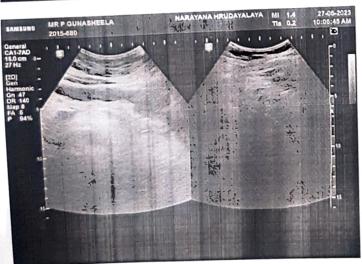
### Exam

Accession # Exam Date Description Operator

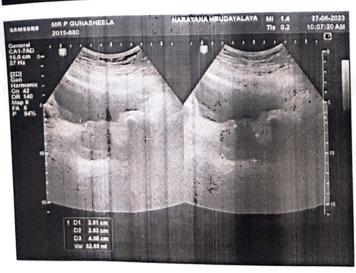
27-06-2023

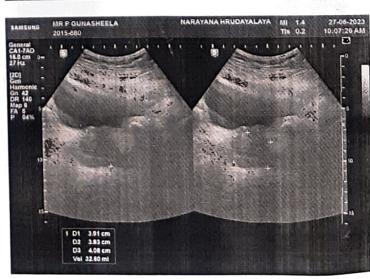
















# # 105, 7th main, Jayanagar 4th block, Near Maiyas Restaurant, Bengaluru- 560 011. WWW.MILESTONESINSTITUTIONS.ORG | Ph: 080 2664 4448

# **Evaluation**

27/6/23

Name

· Phuneshala

Age

: 58

Gender

: male

MRD No

: 20150000000680

Chief Complaint: Rowline (but us

### Ocular History

Hlo Spertante .: 40 years Last checkup dere : 3 years aga

### General History

Alo HTN: 10 years 3 under medicine. Dm: 10 years 3 under antirel.

VISION

Distance:

OD 6/6cm

OS 6/6(0)

Pinhole:

6/6

6/6

Near:

N12

N18

PGP ( +0.750/-1.7500X 65 E(-1.2500X 75 Add+2.250s

### Objective Refraction:

EYE	Sph	СуІ	Axis
OD	-0.50	-0.75	80 90
os	-0.50	- 0.50	95

## Subjective Refraction:

EYE	Sph	Cyl	Axis	
OD	-0.98	- 0.50 75	90	6/6
os	-0.25	-0.25	90	6/6

Add + 2.50 BENG @ 40 CM

# Slit lamp Examination:

OU early NIS.

# Diagnosis and Advise:

Refractive error Cortinue Same glasses induced for retiral examination

Visual No sestaurant 560 ort