

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Rachana Bharti MRN : 20110000014854 Gender/Age : FEMALE , 38y (10/12/1984)

Collected On : 11/03/2023 08:48 AM Received On : 11/03/2023 11:44 AM Reported On : 11/03/2023 02:46 PM

Barcode : 012303110743 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9611722294

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>SERUM CREATININE</b>			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	<b>0.51 L</b>	mg/dL	0.6-1.0
eGFR (Calculated)	135.0	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.
<b>Blood Urea Nitrogen (BUN)</b> (Endpoint /Colorimetric – Urease)	<b>3 L</b>	mg/dL	7.0-17.0
<b>Serum Uric Acid</b> (Colorimetric - Uricase,Peroxidase)	3.8	mg/dL	2.5-6.2
<b>LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)</b>			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	165	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Colorimetric - Lip/Glycerol Kinase)	94	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	46	mg/dL	40.0-60.0
Non-HDL Cholesterol (Calculated)	119.0	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
LDL Cholesterol (Colorimetric)	<b>102 L</b>	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	18.8	mg/dL	0.0-40.0

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Cholesterol /HDL Ratio (Calculated)	3.6	-	0.0-5.0
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**THYROID PROFILE (T3, T4, TSH)**

Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence)	1.43	ng/mL	0.97-1.69
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Thyroxine (T4) (Enhanced Chemiluminescence)	9.14	µg/dl	5.53-11.0
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TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence)	4.024	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
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**LIVER FUNCTION TEST(LFT)**

Bilirubin Total (Colorimetric -Diazo Method)	0.40	mg/dL	0.2-1.3
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Conjugated Bilirubin (Direct) (Dual Wavelength - Reflectance Spectrophotometry)	0.10	mg/dL	0.0-0.3
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Unconjugated Bilirubin (Indirect) (Calculated)	0.31	mg/dL	0.0-1.1
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Total Protein (Colorimetric - Biuret Method)	7.30	gm/dL	6.3-8.2
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Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.20	gm/dL	3.5-5.0
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Serum Globulin (Calculated)	3.1	gm/dL	2.0-3.5
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Albumin To Globulin (A/G)Ratio (Calculated)	1.36	-	1.0-2.1
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SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	28	U/L	14.0-36.0
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SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	18	U/L	<35.0
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Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	81	U/L	38.0-126.0
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Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide ( Szasz Method))	13	U/L	12.0-43.0
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**Interpretation Notes**

-

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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.

--End of Report--



Dr. Anushre Prasad  
MBBS,MD, Biochemistry  
Consultant Biochemistry



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

**Note**

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

(Lipid Profile, -> Auto Authorized)

(, -> Auto Authorized)

(LFT, -> Auto Authorized)

(Uric Acid -> Auto Authorized)



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Patient Name : Ms Rachana Bharti MRN : 20110000014854 Gender/Age : FEMALE , 38y (10/12/1984)

Collected On : 11/03/2023 08:48 AM Received On : 11/03/2023 11:45 AM Reported On : 11/03/2023 01:31 PM

Barcode : 012303110741 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9611722294

### BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
<b>Fasting Blood Sugar (FBS)</b> (Colorimetric - Glucose Oxidase Peroxidase)	88	mg/dL	70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020

--End of Report--

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

Dr. Anushre Prasad  
MBBS,MD, Biochemistry  
Consultant Biochemistry

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(Fasting Blood Sugar (FBS) -> Auto Authorized)



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Patient Name : Ms Rachana Bharti MRN : 20110000014854 Gender/Age : FEMALE , 38y (10/12/1984)

Collected On : 11/03/2023 08:56 AM Received On : 11/03/2023 03:38 PM Reported On : 11/03/2023 03:55 PM

Barcode : 012303110778 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9611722294

### BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
<b>Post Prandial Blood Sugar (PPBS)</b> (Colorimetric - Glucose Oxidase Peroxidase)	77	mg/dL	70 to 139 : Normal 140 to 199 : Pre-diabetes =>200 : Diabetes ADA standards 2020

--End of Report--



Dr. Anushre Prasad  
MBBS,MD, Biochemistry  
Consultant Biochemistry



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Incharge, Consultant Biochemistry

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



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Patient Name : Ms Rachana Bharti MRN : 20110000014854 Gender/Age : FEMALE , 38y (10/12/1984)

Collected On : 11/03/2023 01:12 PM Received On : 11/03/2023 03:54 PM Reported On : 13/03/2023 12:14 PM

Barcode : 072303110020 Specimen : Smear Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9611722294

### CYTOLOGY

#### PAP SMEAR

<b>LAB No.</b>	P-1719/23
<b>MATERIAL RECEIVED</b>	Received two unstained slides.
<b>CLINICAL DETAILS</b>	LMP-26-2-2023 Screening pap smear
<b>SPECIMEN TYPE</b>	Conventional Smear
<b>SMEAR ADEQUACY</b>	Satisfactory for evaluation with presence of of endocervical cell / transformation zone component
<b>GENERAL CATEGORIZATION</b>	CERVICAL CYTOLOGY : PAP SMEAR REPORT - The 2014 Bethesda system . No epithelial cell abnormality seen No evidence of fungal organisms, trichomonas vaginalis, bacterial vaginosis or other epithelial abnormalities.
<b>IMPRESSION</b>	Smear is negative for intraepithelial lesion or malignancy.
<b>REMARKS</b>	Note: Cervical smear test is only a screening test for cervical carcinoma with inherent false negative results.

--End of Report--



Dr. Shaesta Naseem Zaidi  
MD, Pathology  
Consultant Histopathology

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Patient Name : Ms Rachana Bharti MRN : 20110000014854 Gender/Age : FEMALE , 38y (10/12/1984)

Collected On : 11/03/2023 08:48 AM Received On : 11/03/2023 12:16 PM Reported On : 11/03/2023 01:26 PM

Barcode : 1B2303110020 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9611722294

**NARAYANA HRUDAYALAYA BLOOD CENTRE**

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

Blood Group (Column Agglutination Technology)	AB	-
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RH Typing (Column Agglutination Technology)	Positive	-
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--End of Report--

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

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Collected On : 11/03/2023 08:48 AM Received On : 11/03/2023 11:44 AM Reported On : 11/03/2023 01:54 PM

Barcode : 022303110430 Specimen : Whole Blood - ESR Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9611722294

### HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
<b>Erythrocyte Sedimentation Rate (ESR)</b> (Westergren Method)	<b>22 H</b>	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--

*Hema S*

Dr. Hema S  
MD, DNB, Pathology  
Associate Consultant

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Patient Name : Ms Rachana Bharti MRN : 20110000014854 Gender/Age : FEMALE , 38y (10/12/1984)

Collected On : 11/03/2023 08:56 AM Received On : 11/03/2023 12:06 PM Reported On : 11/03/2023 12:33 PM

Barcode : 032303110116 Specimen : Urine Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9611722294

### CLINICAL PATHOLOGY

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

--End of Report--

*Hema S*

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Collected On : 11/03/2023 08:56 AM Received On : 11/03/2023 12:06 PM Reported On : 11/03/2023 01:02 PM

Barcode : 032303110116 Specimen : Urine Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9611722294

**CLINICAL PATHOLOGY**

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

Colour	STRAW	-	-
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	-	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 : Ms Rachana Bharti MRN : 20110000014854 Gender/Age : FEMALE , 38y (10/12/1984)

RBC	1.0	/hpf	0-4
Epithelial Cells	8.2	/hpf	0-6
Crystals	0.0	/hpf	0-2
Casts	0.00	/hpf	0-1
Bacteria	250.9	/hpf	0-200
Yeast Cells	0.1	/hpf	0-1
Mucus	Not Present	-	Not Present

--End of Report--



Dr. Sudarshan Chougule  
MBBS, MD, Pathology  
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Barcode : 022303110431 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9611722294

**HEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>COMPLETE BLOOD COUNT (CBC)</b>			
Haemoglobin (Hb%) (Photometric Measurement)	12.0	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.27	million/ $\mu$ l	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	38.2	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived)	89.5	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	28.0	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	<b>31.3 L</b>	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	<b>15.9 H</b>	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	160	$10^3/\mu$ L	150.0-450.0
Note : Platelets count verified manually, Large/Giant platelets seen.			
Total Leucocyte Count(WBC) (Electrical Impedance)	6.1	$10^3/\mu$ L	4.0-10.0
<b>DIFFERENTIAL COUNT (DC)</b>			
Neutrophils (VCS Technology Plus Microscopy)	57.4	%	40.0-75.0
Lymphocytes (VCS Technology Plus Microscopy)	23.2	%	20.0-40.0
Monocytes (VCS Technology Plus Microscopy)	7.2	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	<b>12.1 H</b>	%	1.0-6.0

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Basophils (VCS Technology Plus Microscopy)	0.1	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	3.5	$\times 10^3$ cells/ $\mu$ l	2.0-7.0
Absolute Lymphocyte Count (Calculated)	1.42	$\times 10^3$ cells/ $\mu$ l	1.0-3.0
Absolute Monocyte Count (Calculated)	0.44	$\times 10^3$ cells/ $\mu$ l	0.2-1.0
Absolute Eosinophil Count (Calculated)	<b>0.74 H</b>	$\times 10^3$ cells/ $\mu$ l	0.02-0.5
Absolute Basophil Count (Calculated)	0.01	-	-

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.**

--End of Report--



Dr. Sudarshan Chougule

MBBS, MD, Pathology

Consultant & Head - Hematology & Flow Cytometry

Patient Name : Ms Rachana Bharti MRN : 20110000014854 Gender/Age : FEMALE , 38y (10/12/1984)

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**CLINICAL PATHOLOGY**

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Urobilinogen (Azo Coupling Method)	Normal	-	Normal
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**MICROSCOPIC EXAMINATION**

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Patient Name : Ms Rachana Bharti MRN : 20110000014854 Gender/Age : FEMALE , 38y (10/12/1984)

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Crystals	0.0	/hpf	0-2
Casts	0.00	/hpf	0-1
Bacteria	250.9	/hpf	0-200
Yeast Cells	0.1	/hpf	0-1
Mucus	Not Present	-	Not Present

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**ADULT TRANS-THORACIC ECHO REPORT**

**NAME : MRS.RACHANA BHARATI**

**AGE/SEX : 38YRS/FEMALE**

**MRN NO : 20110000014854**

**DATE :11.03.2023**

**FINAL DIAGNOSIS:**

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

**MEASUREMENTS**

AO: 29 MM                      LVID (d) : 39 MM                      IVS (d) : 09 MM                      RA : 35 MM  
LA: 30 MM                      LVID(s) : 28 MM                      PW (d) : 09 MM                      RV : 28 MM  
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 SIZE, AORTIC ANNULUS-21 MM, LEFT ARCH

PULMONARY ARTERY : NORMAL

**DOPPLER DATA**

MITRAL VALVE : E/A – 0.9/0.7M/S, MR-TRIVIAL

AORTIC VALVE : PG-6 MMHG

TRICUSPID VALVE : TR-TRIVIAL, PASP- 18 MMHG

PULMONARY VALVE : PG- 3 MMHG

**WALL MOTION ABNORMALITIES: NO RWMA**

PERICARDIUM : NORMAL

VEGETATION/THROMBUS: ABSENT

**OTHER FINDINGS**

IVC- 14 MM NORMAL SIZED, COLLAPSIBILITY >50%, RAP -3 MM  
SINUS RHYTHM/ HR- 98 BPM

DR.SURESH P V  
CONSULTANT CARDIOLOGIST

GULSUM JAMEEL FATHIMA  
JUNIOR CARDIAC SONOGRAPHER





# 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 : Rachana bharti  
Age : 38 yrs  
Gender : Female.  
MRD No : 2011-14854  
Chief Complaint : came for general eye check up

### Ocular History

NO H/O

### General History

VISION

(U/A)

Distance:

Pinhole:

Near:

OD 6/9<sup>+2</sup> (Blur)  
6/6P

OS 6/6<sup>-1</sup> (Blur)

Objective Refraction:

EYE	Sph	Cyl	Axis
OD	-0.50DS	-	-
OS	± (plano)	-0.50DC	180

Subjective Refraction:

EYE	Sph	Cyl	Axis
OD	-0.50DS	-	-
OS	± (plano)	-0.25DC	180

Slit lamp Examination :

OU: WNL

$NV_n^{(00)}$  } N6  
~~add +1.00D~~ } N6

Diagnosis and Advise : Early presbyopia

Ad: glasses.

Miestu  
 Visual Development  
 No. 105, 7th Floor  
 Near Mayas Resto  
 Javanegara 20

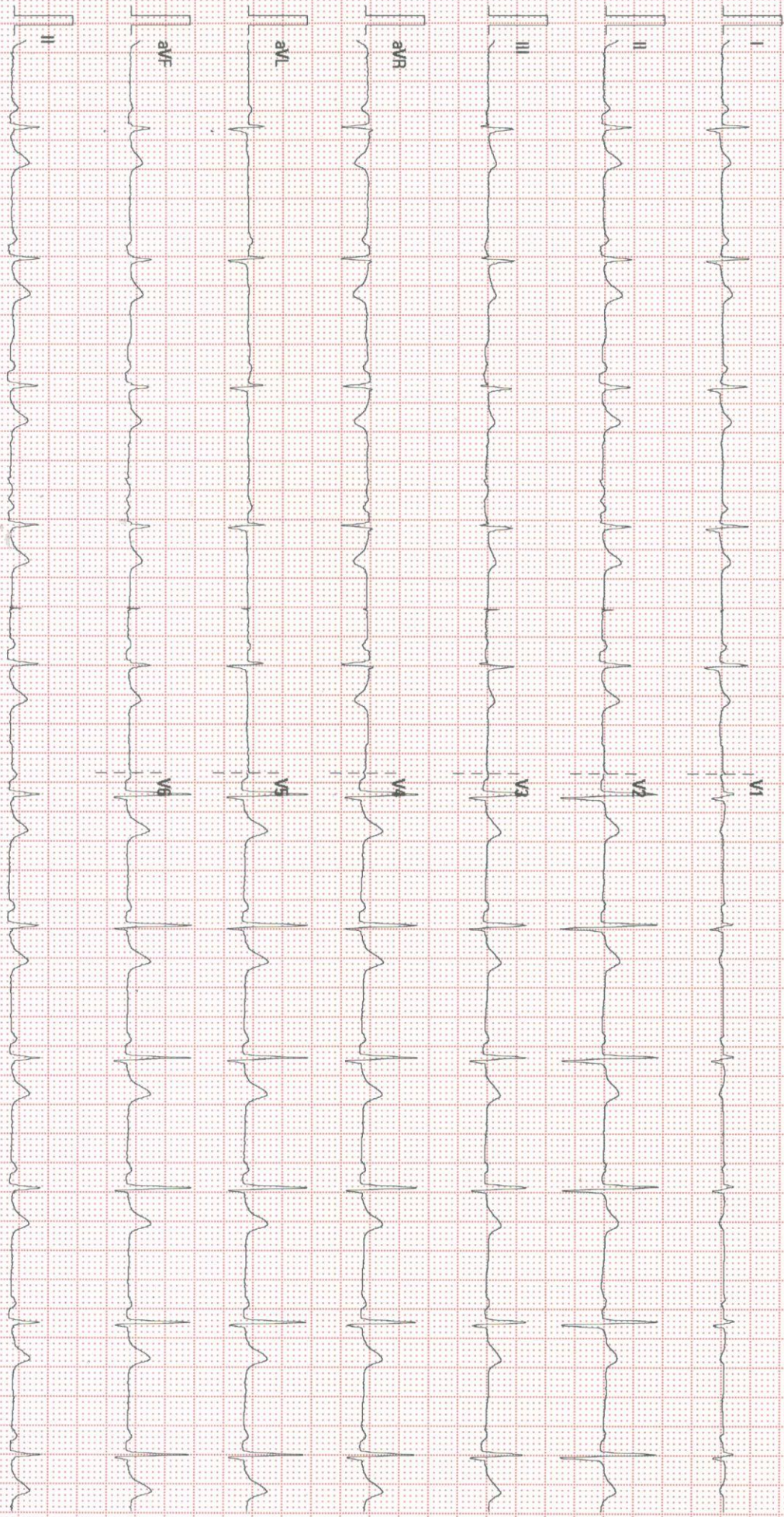
B. S. S.



ID: 2011-14854  
Name: MS RACHANA BHARTI  
Age: 38 Years  
Gender: Female

11-03-2023 09:25:05 AM

Vent. Rate	66 bpm
PR Interval	148 ms
QRS Duration	70 ms
QT/QTc Interval	362/373 ms
P/QRS/T Axes	30/68/51 deg
dt:chdges	



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

MAHAYANA HEALTH JAYANAGAR

02:06:00 V28.4.1

SN.FN.73007176



**Patient Name : Mrs.Rachana Bharti**

**Patient ID : 20110000014854**

**Age : 38Years**

**Sex : Female**

**Referring Doctor : EHP**

**Date : 11.03.2023**

**ULTRASOUND ABDOMEN AND PELVIS**

**FINDINGS:**

**Liver** is normal in size and shows **diffuse increased** echopattern. No intra or extra hepatic biliary duct dilatation. **Simple cyst measuring 0.6x0.6cm in the right lobe posterior segment**

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

**Gallbladder** 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 echopattern. No evidence of mass or focal lesions.

**Right Kidney** is normal in size (measures 9.0cm in length & 1.2cm in parenchymal thickness), position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of calculi or hydronephrosis.

**Left Kidney** is normal in size (measures 10.1cm 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 partially distended. Wall thickness is normal. No evidence of calculi, mass or mural lesion.

**Uterus** is anteverted and normal in size, measures 8.2x2.9x4.4cm. Myometrial and endometrial echoes are normal. **Endometrium** measures 8.6mm. Endometrial cavity is empty.

**Both ovaries** are normal in size and echopattern.

**Right ovary:** measures 2.8x1.7cm. **Left ovary:** measures 3.1x1.8cm.

**Both adnexa:** No mass is seen.

There is no ascites or pleural effusion.

**IMPRESSION:**

- **Grade I Fatty Liver with Simple Hepatic Cyst.**



**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