

2468265

MRS NEENA

7/29/2023 8:35:19 AM

60 Years

Female

Rate 64 . Sinus rhythm.....normal P axis, V-rate 50- 99  
 . Probable left atrial enlargement.....P >50mS, <-0.10mV V1  
 PR 146 . Probable left ventricular hypertrophy.....multiple LVH criteria  
 QRSD 84  
 QT 450  
 QTc 465

--AXIS--

P 34

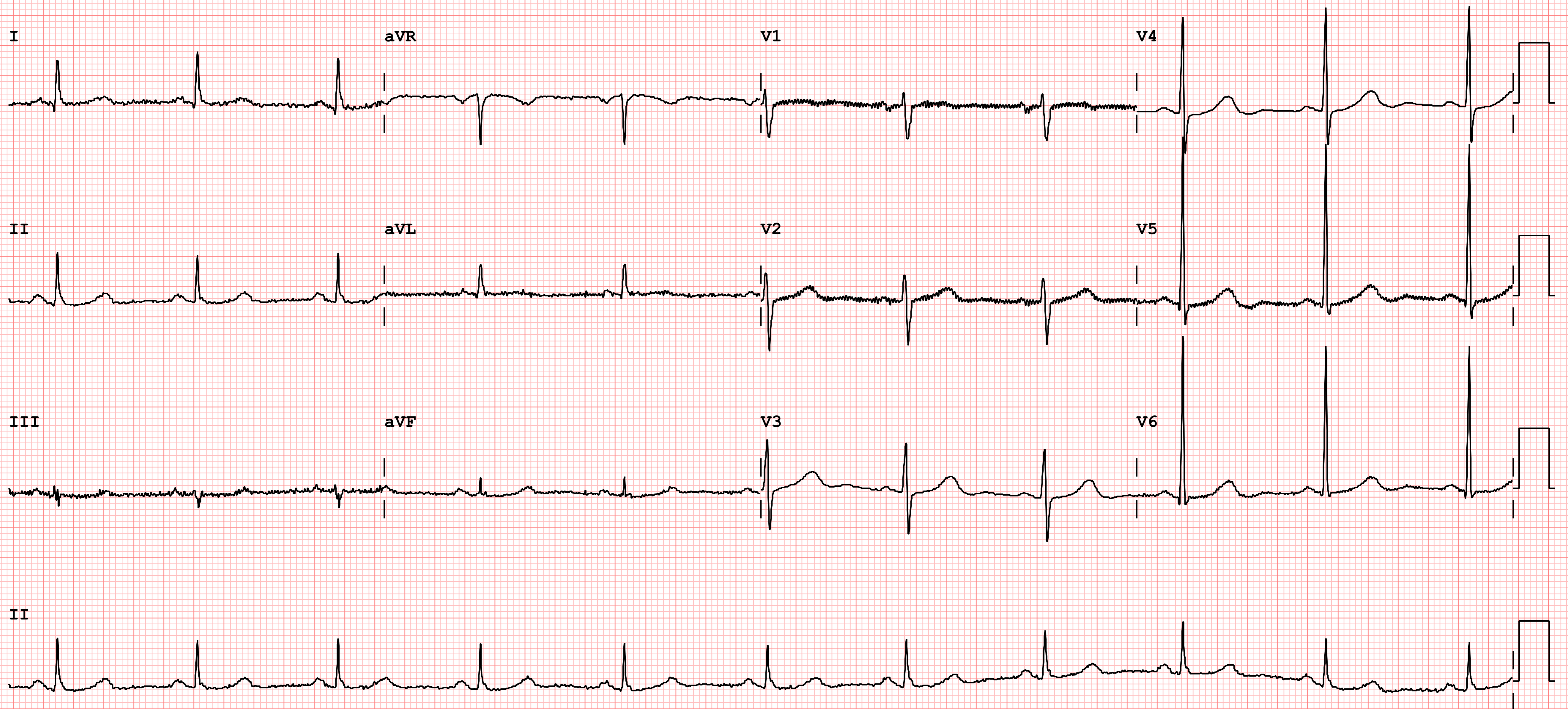
QRS 20

T 52

12 Lead; Standard Placement

- ABNORMAL ECG -

Unconfirmed Diagnosis



Device:

Speed: 25 mm/sec

Limb: 10 mm/mV

Chest: 10.0 mm/mV

F 60~ 0.15-100 Hz

100B CL

P?



<b>NAME</b>	<b>MRS NEENA chatrath</b>	<b>STUDY DATE</b>	<b>29/07/2023 11:47AM</b>
<b>AGE / SEX</b>	<b>60 y / F</b>	<b>HOSPITAL NO.</b>	<b>MH002468265</b>
<b>ACCESSION NO.</b>	<b>NM9178256</b>	<b>MODALITY</b>	<b>US</b>
<b>REPORTED ON</b>	<b>29/07/2023 12:16PM</b>	<b>REFERRED BY</b>	<b>Health Check MHD</b>

## 2D ECHOCARDIOGRAPHY REPORT

### Findings:

	End diastole	End systole
IVS thickness (cm)	1.1	1.3
Left Ventricular Dimension (cm)	4.7	3.0
Left Ventricular Posterior Wall thickness (cm)	1.2	1.4
Aortic Root Diameter (cm)	2.8	
Left Atrial Dimension (cm)	3.0	
Left Ventricular Ejection Fraction (%)	55%	

LEFT VENTRICLE	:	Normal in size. No RWMA. LVEF=55%
RIGHT VENTRICLE	:	Normal in size. Normal RV function.
LEFT ATRIUM	:	Normal in size
RIGHT ATRIUM	:	Normal in size
MITRAL VALVE	:	Mild MR
AORTIC VALVE	:	Normal
TRICUSPID VALVE	:	Trace TR (PASP~24mmHg)
PULMONARY VALVE	:	Normal
MAIN PULMONARY ARTERY & ITS BRANCHES	:	Appears normal.
INTERATRIAL SEPTUM	:	Intact.
INTERVENTRICULAR SEPTUM	:	Intact.
PERICARDIUM	:	No pericardial effusion or thickening

### DOPPLER STUDY

VALVE	Peak Velocity (cm/sec)	Maximum P.G. (mmHg)	Mean P. G. (mmHg)	Regurgitation	Stenosis
MITRAL	E=68 A=43	-	-	Mild	Nil
AORTIC	110	-	-	Nil	Nil
TRICUSPID	-	N	N	Trace	Nil
PULMONARY	98	N	N	Nil	Nil

### SUMMARY & INTERPRETATION:

- o No LV regional wall motion abnormality with LVEF =55%



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# Human Care Medical Charitable Trust



Sector-6, Dwarka, New Delhi 110 075

GST: 07AAAAH3917LIZM

PAN NO: AAAAH3917L

NAME	MRS NEENA chatrath	STUDY DATE	29/07/2023 11:47AM
AGE / SEX	60 y / F	HOSPITAL NO.	MH002468265
ACCESSION NO.	NM9178256	MODALITY	US
REPORTED ON	29/07/2023 12:16PM	REFERRED BY	Health Check MHD

- o Normal sized RA/RV/LV/LA with no chamber hypertrophy. Normal RV function.
- o Mild MR
- o Trace TR (PASP~24mmHg)
- o Normal mitral inflow pattern
- o IVC normal in size, >50% collapse with inspiration, suggestive of normal RA pressure.
- o No clot/ no vegetation/ no pericardial effusion.

*Please correlate clinically.*

**Dr. Sarita Gulati MD, DM DMC No.22600**

**Senior Interventional Cardiologist**

**\*\*\*\*\*End Of Report\*\*\*\*\***



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**Name** : MRS NEENA CHATRATH **Age** : 60 Yr(s) Sex :Female  
**Registration No** : MH002468265 **Lab No** : 31230701173  
**Patient Episode** : H03000055401 **Collection Date** : 29 Jul 2023 12:17  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 29 Jul 2023 15:34  
**Receiving Date** : 29 Jul 2023 12:58

## Department of Transfusion Medicine ( Blood Bank )

BLOOD GROUPING, RH TYPING & ANTIBODY SCREEN (TYPE & SCREEN)  
Specimen-Blood

Blood Group & Rh Typing (Agglutination by gel/tube technique)

Blood Group & Rh typing O Rh(D) Positive

Antibody Screening (Microtyping in gel cards using reagent red cells)

Cell Panel I NEGATIVE  
Cell Panel II NEGATIVE  
Cell Panel III NEGATIVE  
Autocontrol NEGATIVE

Final Antibody Screen Result Negative

### Technical Note:

ABO grouping and Rh typing is done by cell and serum grouping by microplate / gel technique. Antibody screening is done using a 3 cell panel of reagent red cells coated with Rh, Kell, Duffy, Kidd, Lewis, P, MNS, Lutheran and Xg antigens using gel technique.

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-----END OF REPORT-----

Dr Himanshu Lamba



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**Name** : MRS NEENA CHATRATH **Age** : 60 Yr(s) Sex :Female  
**Registration No** : MH002468265 **Lab No** : 32230710875  
**Patient Episode** : H03000055401 **Collection Date** : 29 Jul 2023 09:05  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 29 Jul 2023 14:12  
**Receiving Date** : 29 Jul 2023 10:03

## BIOCHEMISTRY

Specimen: EDTA Whole blood

HbA1c (Glycosylated Hemoglobin) 5.5 % As per American Diabetes Association (ADA) 2010 [4.0-6.5]  
HbA1c in %  
Non diabetic adults : < 5.6 %  
Prediabetes (At Risk ) : 5.7 % - 6.4 %  
Diabetic Range : > 6.5 %  
Methodology High-Performance Liquid Chromatography (HPLC)  
Estimated Average Glucose (eAG) 111 mg/dl

**Use :**  
1. Monitoring compliance and long-term blood glucose level control in patients with diabetes.  
2. Index of diabetic control (direct relationship between poor control and development of complications).  
3. Predicting development and progression of diabetic microvascular complications.

**Limitations :**  
1. A1C values may be falsely elevated or decreased in those with chronic kidney disease.  
2. False elevations may be due in part to analytical interference from carbamylated hemoglobin formed in the presence of elevated concentrations of urea, with some assays.  
3. False decreases in measured A1C may occur with hemodialysis and altered red cell turnover, especially in the setting of erythropoietin treatment

References : Rao.L.V.,Michael snyder.L.(2021).Wallach's Interpretation of Diagnostic Tests. 11th Edition. Wolterkluwer. NaderRifai,Andrea Rita Horvath,Carl T.wittwer. (2018)Teitz Text book of Clinical Chemistry and Molecular Diagnostics.First edition,Elsevier,South Asia.



**Name** : MRS NEENA CHATRATH **Age** : 60 Yr(s) Sex :Female  
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**Patient Episode** : H03000055401 **Collection Date** : 29 Jul 2023 09:05  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 29 Jul 2023 12:02  
**Receiving Date** : 29 Jul 2023 10:20

## BIOCHEMISTRY

### THYROID PROFILE, Serum

Specimen Type : Serum

T3 - Triiodothyronine (ECLIA)	1.03	ng/ml	[0.70-2.04]
T4 - Thyroxine (ECLIA)	7.75	µg/dl	[4.60-12.00]
Thyroid Stimulating Hormone (ECLIA)	0.992	µIU/mL	[0.340-4.250]
1st Trimester:	0.6 - 3.4	micIU/mL	
2nd Trimester:	0.37 - 3.6	micIU/mL	
3rd Trimester:	0.38 - 4.04	micIU/mL	

Note : TSH levels are subject to circadian variation, reaching peak levels between 2-4.a.m.and at a minimum between 6-10 pm.Factors such as change of seasons hormonal fluctuations,Ca or Fe supplements,high fibre diet,stress and illness affect TSH results.

\* References ranges recommended by the American Thyroid Association

- 1) Thyroid. 2011 Oct;21(10):1081-125.PMID .21787128
- 2) <http://www.thyroid-info.com/articles/tsh-fluctuating.html>



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**Receiving Date** : 29 Jul 2023 10:20

## BIOCHEMISTRY

### Lipid Profile (Serum)

<b>TOTAL CHOLESTEROL (CHOD/POD)</b>	<b>221 #</b>	<b>mg/dl</b>	<b>[&lt;200]</b> Moderate risk:200-239 High risk:>240
TRIGLYCERIDES (GPO/POD)	127	mg/dl	[<150] Borderline high:151-199 High: 200 - 499 Very high:>500
<b>HDL - CHOLESTEROL (Direct)</b>	<b>64 #</b>	<b>mg/dl</b>	<b>[30-60]</b>
Methodology: Homogenous Enzymatic			
VLDL - Cholesterol (Calculated)	25	mg/dl	[10-40]
<b>(CALCULATED) LDL- CHOLESTEROL</b>	<b>132 #</b>	<b>mg/dl</b>	<b>[&lt;100]</b> Near/Above optimal-100-129 Borderline High:130-159 High Risk:160-189
T.Chol/HDL.Chol ratio	3.5		<4.0 Optimal 4.0-5.0 Borderline >6 High Risk
LDL.CHOL/HDL.CHOL Ratio	2.1		<3 Optimal 3-4 Borderline >6 High Risk

**Note:**  
 Reference ranges based on ATP III Classifications.  
 Recommended to do fasting Lipid Profile after a minimum of 8 hours of overnight fasting.

**Technical Notes:**  
 Lipid profile is a panel of blood tests that serves as initial broad medical screening tool for abnormalities in lipids, the results of these tests can identify certain genetic



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## BIOCHEMISTRY

diseases and determine approximate risks for cardiovascular disease, certain forms of pancreatitis and other diseases.

Test Name	Result	Unit	Biological Ref. Interval
<b>LIVER FUNCTION TEST (Serum)</b>			
BILIRUBIN-TOTAL (mod.J Groff)**	0.40	mg/dl	[0.10-1.20]
BILIRUBIN - DIRECT (mod.J Groff)	0.16	mg/dl	[<0.2]
BILIRUBIN - INDIRECT (mod.J Groff)	0.24	mg/dl	[0.20-1.00]
SGOT/ AST (P5P,IFCC)	20.00	IU/L	[5.00-37.00]
SGPT/ ALT (P5P,IFCC)	22.20	IU/L	[10.00-50.00]
ALP (p-NPP,kinetic)*	81	IU/L	[46-118]
TOTAL PROTEIN (mod.Biuret)	6.9	g/dl	[6.0-8.2]
SERUM ALBUMIN (BCG-dye)	4.3	g/dl	[3.5-5.0]
SERUM GLOBULIN (Calculated)	2.6	g/dl	[1.8-3.4]
ALB/GLOB (A/G) Ratio	1.65		[1.10-1.80]

### Note:

**\*\*NEW BORN:**Vary according to age (days), body wt & gestation of baby  
**\*New born:** 4 times the adult value

### Technical Notes:

Liver function test aids in diagnosis of various pre hepatic, hepatic and post hepatic causes of dysfunction like hemolytic anemia's, viral and alcoholic hepatitis and cholestasis of obstructive causes.





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## BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Interval
<b>KIDNEY PROFILE (Serum)</b>			
BUN (Urease/GLDH)	10.00	mg/dl	[8.00-23.00]
SERUM CREATININE (mod.Jaffe)	0.63	mg/dl	[0.60-1.40]
SERUM URIC ACID (mod.Uricase)	4.9	mg/dl	[2.6-6.0]
SERUM CALCIUM (NM-BAPTA)	9.2	mg/dl	[8.6-10.0]
SERUM PHOSPHORUS (Molybdate, UV)	4.1	mg/dl	[2.3-4.7]
SERUM SODIUM (ISE)	139.0	mmol/l	[134.0-145.0]
SERUM POTASSIUM (ISE)	4.39	mmol/l	[3.50-5.20]
SERUM CHLORIDE (ISE / IMT)	100.7	mmol/L	[95.0-105.0]
eGFR	97.8	ml/min/1.73sq.m	[>60.0]

### Technical Note

eGFR which is primarily based on Serum Creatinine is a derivation of CKD-EPI 2009 equation normalized to 1.73 sq.m BSA and is not applicable to individuals below 18 years. eGFR tends to be less accurate when Serum Creatinine estimation is indeterminate e.g. patients at extremes of muscle mass, on unusual diets etc. and samples with severe Hemolysis / Icterus / Lipemia.

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-----END OF REPORT-----

**Dr. Priyanka Bhatia**  
**CONSULTANT PATHOLOGY**



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**Name** : MRS NEENA CHATRATH **Age** : 60 Yr(s) Sex :Female  
**Registration No** : MH002468265 **Lab No** : 32230710876  
**Patient Episode** : H03000055401 **Collection Date** : 29 Jul 2023 12:17  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 29 Jul 2023 13:59  
**Receiving Date** : 29 Jul 2023 12:34

## BIOCHEMISTRY

Specimen Type : Plasma

### PLASMA GLUCOSE - PP

Plasma GLUCOSE - PP (Hexokinase) 116 mg/dl [70-140]

Note : Conditions which can lead to lower postprandial glucose levels as compared to fasting glucose are excessive insulin release, rapid gastric emptying, brisk glucose absorption , post exercise

Specimen Type : Serum/Plasma

Plasma GLUCOSE-Fasting (Hexokinase) 93 mg/dl [70-100]

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**Name** : MRS NEENA CHATRATH **Age** : 60 Yr(s) Sex :Female  
**Registration No** : MH002468265 **Lab No** : 33230706602  
**Patient Episode** : H03000055401 **Collection Date** : 29 Jul 2023 09:06  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 29 Jul 2023 12:32  
**Receiving Date** : 29 Jul 2023 10:02

## HAEMATOLOGY

### ERYTHROCYTE SEDIMENTATION RATE (Automated) Specimen-Whole Blood

ESR 17.0 mm/1sthour [0.0-20.0]

#### Interpretation :

Erythrocyte sedimentation rate (ESR) is a non-specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants (e.g. pyogenic infections, inflammation and malignancies). The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week postpartum.

ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives).

It is especially low (0 -1mm) in polycythemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

Test Name	Result	Unit	Biological Ref. Interval
<b>COMPLETE BLOOD COUNT (EDTA Blood)</b>			
WBC Count (Flow cytometry)	5050	/cu.mm	[4000-10000]
RBC Count (Impedence)	4.25	million/cu.mm	[3.80-4.80]
Haemoglobin (SLS Method)	12.6	g/dL	[12.0-15.0]
Haematocrit (PCV) (RBC Pulse Height Detector Method)	38.0	%	[36.0-46.0]
MCV (Calculated)	89.4	fL	[83.0-101.0]
MCH (Calculated)	29.6	pg	[25.0-32.0]
MCHC (Calculated)	33.2	g/dL	[31.5-34.5]
Platelet Count (Impedence)	337000	/cu.mm	[150000-410000]
RDW-CV (Calculated)	13.6	%	[11.6-14.0]
<b>DIFFERENTIAL COUNT</b>			
Neutrophils (Flowcytometry)	53.3	%	[40.0-80.0]
Lymphocytes (Flowcytometry)	37.6	%	[20.0-40.0]



**Name** : MRS NEENA CHATRATH **Age** : 60 Yr(s) Sex :Female  
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## HAEMATOLOGY

Monocytes (Flowcytometry)	5.9	%	[2.0-10.0]
Eosinophils (Flowcytometry)	3.0	%	[1.0-6.0]
<b>Basophils (Flowcytometry)</b>	<b>0.2 #</b>	<b>%</b>	<b>[1.0-2.0]</b>
IG	0.00	%	
Neutrophil Absolute(Flourescence flow cytometry)	2.7	/cu mm	[2.0-7.0]x10 <sup>3</sup>
Lymphocyte Absolute(Flourescence flow cytometry)	1.9	/cu mm	[1.0-3.0]x10 <sup>3</sup>
Monocyte Absolute(Flourescence flow cytometry)	0.3	/cu mm	[0.2-1.2]x10 <sup>3</sup>
Eosinophil Absolute(Flourescence flow cytometry)	0.2	/cu mm	[0.0-0.5]x10 <sup>3</sup>
Basophil Absolute(Flourescence flow cytometry)	0.0	/cu mm	[0.0-0.1]x10 <sup>3</sup>

Complete Blood Count is used to evaluate wide range of health disorders, including anemia, infection, and leukemia. Abnormal increase or decrease in cell counts as revealed may indicate that an underlying medical condition that calls for further evaluation.

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Dr.Lakshita singh



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**Name** : MRS NEENA CHATRATH **Age** : 60 Yr(s) Sex :Female  
**Registration No** : MH002468265 **Lab No** : 38230702102  
**Patient Episode** : H03000055401 **Collection Date** : 29 Jul 2023 09:06  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 29 Jul 2023 15:32  
**Receiving Date** : 29 Jul 2023 11:53

## CLINICAL PATHOLOGY

Test Name	Result	Biological Ref. Interval
<b>ROUTINE URINE ANALYSIS</b>		
<b>MACROSCOPIC DESCRIPTION</b>		
Colour (Visual)	PALE YELLOW	(Pale Yellow - Yellow)
Appearance (Visual)	CLEAR	
<b>CHEMICAL EXAMINATION</b>		
Reaction[pH] (Reflectancephotometry(Indicator Method))	6.0	(5.0-9.0)
Specific Gravity (Reflectancephotometry(Indicator Method))	1.015	(1.003-1.035)
Bilirubin	Negative	NEGATIVE
Protein/Albumin (Reflectance photometry(Indicator Method)/Manual SSA)	Negative	(NEGATIVE-TRACE)
Glucose (Reflectance photometry (GOD-POD/Benedict Method))	NOT DETECTED	(NEGATIVE)
Ketone Bodies (Reflectance photometry(Legal's Test)/Manual Rotheras)	NOT DETECTED	(NEGATIVE)
Urobilinogen Reflectance photometry/Diazonium salt reaction	NORMAL	(NORMAL)
Nitrite	NEGATIVE	NEGATIVE
Reflectance photometry/Griess test		
Leukocytes	NIL	NEGATIVE
Reflectance photometry/Action of Esterase		
BLOOD (Reflectance photometry(peroxidase))	NIL	NEGATIVE
<b>MICROSCOPIC EXAMINATION (Manual) Method: Light microscopy on centrifuged urine</b>		
WBC/Pus Cells	1-2 /hpf	(4-6)
Red Blood Cells	NIL	(1-2)
Epithelial Cells	1-2 /hpf	(2-4)
Casts	NIL	(NIL)
Crystals	NIL	(NIL)
Bacteria	NIL	
Yeast cells	NIL	

**Interpretation:**



**Name** : MRS NEENA CHATRATH **Age** : 60 Yr(s) Sex :Female  
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## CLINICAL PATHOLOGY

URINALYSIS--Routine urine analysis assists in screening and diagnosis of various metabolic , urological, kidney and liver disorders

**Protein:** Elevated proteins can be an early sign of kidney disease. Urinary protein excretion can also be temporarily elevated by strenuous exercise, orthostatic proteinuria, dehydration, urinary tract infections and acute illness with fever

**Glucose:** Uncontrolled diabetes mellitus can lead to presence of glucose in urine.

Other causes include pregnancy, hormonal disturbances, liver disease and certain medications.

**Ketones:** Uncontrolled diabetes mellitus can lead to presence of ketones in urine.

Ketones can also be seen in starvation, frequent vomiting, pregnancy and strenuous exercise.

**Blood:** Occult blood can occur in urine as intact erythrocytes or haemoglobin, which can occur in various urological, nephrological and bleeding disorders.

**Leukocytes:** An increase in leukocytes is an indication of inflammation in urinary tract or kidneys. Most Common cause is bacterial urinary tract infection.

**Nitrite:** Many bacteria give positive results when their number is high. Nitrite concentration during infection increases with length of time the urine specimen is retained in bladder prior to collection.

**pH:** The kidneys play an important role in maintaining acid base balance of the body. Conditions of the body producing acidosis/alkalosis or ingestion of certain type of food can affect the pH of urine.

**Specific gravity:** Specific gravity gives an indication of how concentrated the urine is. Increased Specific gravity is seen in conditions like dehydration, glycosuria and proteinuria while decreased Specific gravity is seen in excessive fluid intake, renal failure and diabetes insipidus.

**Bilirubin:** In certain liver diseases such as biliary obstruction or hepatitis, bilirubin gets excreted in urine.

**Urobilinogen:** Positive results are seen in liver diseases like hepatitis and cirrhosis and in case of hemolytic anemia.

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**Dr. Asha Preethi V.S.**  
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NAME	MRS NEENA chatrath	STUDY DATE	29/07/2023 9:50AM
AGE / SEX	60 y / F	HOSPITAL NO.	MH002468265
ACCESSION NO.	R5875758	MODALITY	US
REPORTED ON	29/07/2023 1:42PM	REFERRED BY	Health Check MHD

## USG WHOLE ABDOMEN SCREENING

Liver is normal in size and shows diffuse grade II fatty change in the parenchyma. No focal intra-hepatic lesion is detected. Intra-hepatic biliary radicals are not dilated. Portal vein is normal in calibre. Gall bladder is adequately distended and appears echofree with normal wall thickness. Common bile duct is normal in calibre.

Pancreas is normal in size and echopattern.

Spleen is normal in size and echopattern.

Both kidneys are normal in position, size and outline. Cortico-medullary differentiation of both kidneys is maintained. No focal lesion or calculus seen in either kidney. Bilateral pelvicalyceal systems are not dilated.

Urinary bladder is optimally distended with normal wall thickness and clear contents. No significant intra or extraluminal mass is seen.

Uterus is anteverted. It is atrophic in size. Myometrial echogenicity appears uniform. Endometrium is central. Both ovaries are atretic.

No significant free fluid is detected.

**IMPRESSION: USG findings are suggestive of grade II fatty liver.**

***Kindly correlate clinically.***

**Dr. Simran Singh DNB, FRCR(UK) DMC N0.36404**

**CONSULTANT RADIOLOGIST**

**\*\*\*\*\*End Of Report\*\*\*\*\***



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# Human Care Medical Charitable Trust



Sector-6, Dwarka, New Delhi 110 075

GST: 07AAAAH3917LIZM

PAN NO: AAAAH3917L

NAME	MRS NEENA chatrath	STUDY DATE	29/07/2023 9:37AM
AGE / SEX	60 y / F	HOSPITAL NO.	MH002468265
ACCESSION NO.	R5875759	MODALITY	CR
REPORTED ON	29/07/2023 11:44AM	REFERRED BY	Health Check MHD

## X-RAY CHEST - PA VIEW

Results:

Visualized lung fields appear clear.

Both hilar shadows appear normal.

Cardiothoracic ratio is within normal limits.

Both hemidiaphragmatic outlines appear normal.

Both costophrenic angles are clear.

**Kindly correlate clinically.**

*Aarushi*

**Dr. Aarushi MBBS, MD, DNB DMC NO.03291**

**CONSULTANT RADIOLOGIST**

**\*\*\*\*\*End Of Report\*\*\*\*\***



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