



NAME	MRS , TAPSHI MADHAV	STUDY DATE	23/03/2024 2:34PM
AGE / SEX	27 y / F	HOSPITAL NO.	MH011796266
ACCESSION NO.	NM12919384	MODALITY	US
REPORTED ON	27/03/2024 2:03PM	REFERRED BY	Health Check MHD

## 2D Echocardiography Report

	End diastole	End systole
IVS thickness (cm)	0.9	1.2
Left Ventricular Dimension (cm)	4.0	2.2
Left Ventricular Posterior Wall thickness (cm)	0.8	1.0

Aortic Root Diameter (cm)	2.5
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	:	Trace MR
AORTIC VALVE	:	Normal
TRICUSPID VALVE	:	Mild TR (PASP ~ Normal)
PULMONARY VALVE	:	Normal
MAIN PULMONARY ARTERY & ITS BRANCHES	:	Appears normal.
INTERATRIAL SEPTUM	:	Intact.
INTERVENTRICULAR SEPTUM	:	Intact.
PERICARDIUM	:	No pericardial effusion or thickening



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# Human Care Medical Charitable Trust

Sector-6, Dwarka, New Delhi 110 075

GST: 07AAAAH3917LIZM PAN NO: AAAAH3917L



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## DOPPLER STUDY

VALVE	Peak Velocity (cm/sec)	Maximum P.G. (mmHg)	Mean P. G. (mmHg)	Regurgitation	Stenosis
MITRAL	E= 94 A=71	-	-	Trace	Nil
AORTIC	147	-	-	Nil	Nil
TRICUSPID	-	N	N	Mild	Nil
PULMONARY	79	N	N	Nil	Nil

## SUMMARY & INTERPRETATION:

- No LV regional wall motion abnormality with LVEF = 55 %
- Normal sized RA/RV/LV/LA with no chamber hypertrophy. Normal RV function.
- Trace MR
- Mild TR (PASP ~ Normal)
- Normal mitral inflow pattern.
- IVC normal in size, >50% collapse with inspiration, suggestive of normal RA pressure.
- No clot/vegetation/pericardial effusion.

*Please correlate clinically.*

**Dr. Samanjoy Mukherjee MBBS, MD, General Medicine, DM(Cardiology) DMC No.12194  
Consultant (Cardiology)**

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



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# Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

## Department Of Laboratory Medicine

**Name** : MRS TAPSHI MADHAV **Age** : 27 Yr(s) Sex :Female  
**Registration No** : MH011796266 **Lab No** : 32240312799  
**Patient Episode** : H03000061600 **Collection Date** : 23 Mar 2024 11:23  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 23 Mar 2024 17:49  
**Receiving Date** : 23 Mar 2024 12:06

### BIOCHEMISTRY

Specimen: EDTA Whole blood

HbA1c (Glycosylated Hemoglobin)

5.2

%

As per American Diabetes Association (ADA) 2010  
[4.0-6.5]

HbA1c in %

Non diabetic adults : < 5.7 %

Prediabetes (At Risk ) : 5.7 % - 6.4 %

Diabetic Range : > 6.5 %

Estimated Average Glucose (eAG)

103

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. Nader Rifai, Andrea Rita Horvath, Carl T. Wittwer.

(2018) Teitz Text book

of Clinical Chemistry and Molecular Diagnostics. First edition, Elsevier, South Asia.

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**Referred By** : HEALTH CHECK MHD **Reporting Date** : 23 Mar 2024 18:29  
**Receiving Date** : 23 Mar 2024 12:05

### BIOCHEMISTRY

#### Lipid Profile (Serum)

TOTAL CHOLESTEROL (CHOD/POD)	199	mg/dl	[<200] Moderate risk:200-239 High risk:>240
<b>TRIGLYCERIDES (GPO/POD)</b>	<b>305 #</b>	<b>mg/dl</b>	<b>[&lt;150]</b> Borderline high:151-199 High: 200 - 499 Very high:>500
HDL - CHOLESTEROL (Direct) Methodology: Homogenous Enzymatic	41	mg/dl	[30-60]
<b>VLDL - Cholesterol (Calculated)</b>	<b>61 #</b>	<b>mg/dl</b>	<b>[10-40]</b>
(CALCULATED) LDL- CHOLESTEROL	97	mg/dl	[<100] Near/Above optimal-100-129 Borderline High:130-159 High Risk:160-189
T.Chol/HDL.Chol ratio	4.9		<4.0 Optimal 4.0-5.0 Borderline >6 High Risk
LDL.CHOL/HDL.CHOL Ratio	2.4		<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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Department Of Laboratory Medicine

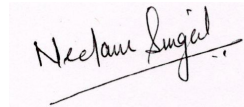
**Name** : MRS TAPSHI MADHAV **Age** : 27 Yr(s) Sex :Female  
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**Patient Episode** : H03000061600 **Collection Date** : 23 Mar 2024 11:23  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 23 Mar 2024 18:29  
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## BIOCHEMISTRY

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

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



**Dr. Neelam Singal**  
**CONSULTANT BIOCHEMISTRY**

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## Department Of Laboratory Medicine

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## BIOCHEMISTRY

### THYROID PROFILE, Serum

Specimen Type : Serum

T3 - Triiodothyronine (ECLIA)	1.120	ng/ml	[0.800-2.040]
T4 - Thyroxine (ECLIA)	8.210	µg/dl	[5.500-11.000]
<b>Thyroid Stimulating Hormone (ECLIA)</b>	<b>6.120 #</b>	<b>µIU/mL</b>	<b>[0.340-4.250]</b>
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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**Referred By** : HEALTH CHECK MHD **Reporting Date** : 23 Mar 2024 18:29  
**Receiving Date** : 23 Mar 2024 12:05

### BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Interval
<b>LIVER FUNCTION TEST (Serum)</b>			
BILIRUBIN-TOTAL (Diazonium Ion)	0.31	mg/dl	[0.10-1.20]
BILIRUBIN - DIRECT (Diazotization)	0.14	mg/dl	[0.00-0.30]
<b>BILIRUBIN - INDIRECT (Calculated)</b>	<b>0.17 #</b>	<b>mg/dl</b>	<b>[0.20-1.00]</b>
SGOT/ AST (UV without P5P)	16.7	U/L	[10.0-35.0]
SGPT/ ALT (UV without P5P)	17.6	U/L	[0.0-33.0]
<b>ALP (p-NPP,kinetic)*</b>	<b>133 #</b>	<b>U/L</b>	<b>[37-98]</b>
<b>TOTAL PROTEIN (Biuret)</b>	<b>8.3 #</b>	<b>g/dl</b>	<b>[6.0-8.2]</b>
SERUM ALBUMIN (BCG-dye)	4.6	g/dl	[3.5-5.2]
<b>SERUM GLOBULIN (Calculated)</b>	<b>3.7 #</b>	<b>g/dl</b>	<b>[1.8-3.4]</b>
ALB/GLOB (A/G) Ratio (Calculated)	1.24		[1.10-1.80]

#### 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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**Patient Episode** : H03000061600 **Collection Date** : 23 Mar 2024 11:23  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 23 Mar 2024 18:29  
**Receiving Date** : 23 Mar 2024 12:05

### BIOCHEMISTRY

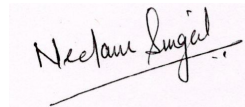
Test Name	Result	Unit	Biological Ref. Interval
<b>KIDNEY PROFILE (Serum)</b>			
BUN (Urease/GLDH)	11.00	mg/dl	[6.00-20.00]
SERUM CREATININE (Jaffe's method)	0.69	mg/dl	[0.60-1.40]
SERUM URIC ACID (Uricase)	5.5	mg/dl	[2.6-6.0]
SERUM CALCIUM (NM-BAPTA)	9.78	mg/dl	[8.00-10.50]
SERUM PHOSPHORUS (Molybdate, UV)	3.8	mg/dl	[2.5-4.5]
SERUM SODIUM (ISE)	140.0	mmol/l	[134.0-145.0]
SERUM POTASSIUM (ISE)	4.54	mmol/l	[3.50-5.20]
SERUM CHLORIDE (ISE Indirect)	102.9	mmol/L	[95.0-105.0]
eGFR	119.7	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. Neelam Singal**  
**CONSULTANT BIOCHEMISTRY**



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## Department Of Laboratory Medicine

**Name** : MRS TAPSHI MADHAV **Age** : 27 Yr(s) Sex :Female  
**Registration No** : MH011796266 **Lab No** : 32240312800  
**Patient Episode** : H03000061600 **Collection Date** : 23 Mar 2024 13:56  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 23 Mar 2024 18:04  
**Receiving Date** : 23 Mar 2024 14:07

### BIOCHEMISTRY

Specimen Type : Plasma

#### PLASMA GLUCOSE - PP

Plasma GLUCOSE - PP (Hexokinase) 133 mg/dl [70-140]

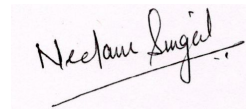
Note : Conditions which can lead to lower postprandial glucose levels as compared to fasting glucose are excessive insulin release, rapid gastric emptying, brisk glucose absorption , post exercise

Specimen Type : Serum/Plasma

Plasma GLUCOSE-Fasting (Hexokinase) 83 mg/dl [74-106]

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



**Dr. Neelam Singal**  
**CONSULTANT BIOCHEMISTRY**

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## Department Of Laboratory Medicine

**Name** : MRS TAPSHI MADHAV **Age** : 27 Yr(s) Sex :Female  
**Registration No** : MH011796266 **Lab No** : 33240307987  
**Patient Episode** : H03000061600 **Collection Date** : 23 Mar 2024 11:23  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 23 Mar 2024 13:30  
**Receiving Date** : 23 Mar 2024 12:05

### HAEMATOLOGY

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

**ESR** **25.0 #** **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)	7630	/cu.mm	[4000-10000]
RBC Count (Impedence)	4.35	million/cu.mm	[3.80-4.80]
Haemoglobin (SLS Method)	12.4	g/dL	[12.0-15.0]
Haematocrit (PCV) (RBC Pulse Height Detector Method)	38.8	%	[36.0-46.0]
MCV (Calculated)	89.2	fL	[83.0-101.0]
MCH (Calculated)	28.5	pg	[25.0-32.0]
MCHC (Calculated)	32.0	g/dL	[31.5-34.5]
Platelet Count (Impedence)	374000	/cu.mm	[150000-410000]
<b>RDW-CV (Calculated)</b>	<b>15.7 #</b>	%	<b>[11.6-14.0]</b>
<b>DIFFERENTIAL COUNT</b>			
Neutrophils (Flowcytometry)	57.0	%	[40.0-80.0]
Lymphocytes (Flowcytometry)	34.9	%	[20.0-40.0]

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## Department Of Laboratory Medicine

**Name** : MRS TAPSHI MADHAV **Age** : 27 Yr(s) Sex :Female  
**Registration No** : MH011796266 **Lab No** : 33240307987  
**Patient Episode** : H03000061600 **Collection Date** : 23 Mar 2024 11:23  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 23 Mar 2024 12:46  
**Receiving Date** : 23 Mar 2024 12:05

### HAEMATOLOGY

Monocytes (Flowcytometry)	4.7	%	[2.0-10.0]
Eosinophils (Flowcytometry)	2.9	%	[1.0-6.0]
<b>Basophils (Flowcytometry)</b>	<b>0.5 #</b>	<b>%</b>	<b>[1.0-2.0]</b>
IG	0.80	%	
Neutrophil Absolute(Flouorescence flow cytometry)	4.4	/cu mm	[2.0-7.0]x10 <sup>3</sup>
Lymphocyte Absolute(Flouorescence flow cytometry)	2.7	/cu mm	[1.0-3.0]x10 <sup>3</sup>
Monocyte Absolute(Flouorescence flow cytometry)	0.4	/cu mm	[0.2-1.2]x10 <sup>3</sup>
Eosinophil Absolute(Flouorescence flow cytometry)	0.2	/cu mm	[0.0-0.5]x10 <sup>3</sup>
Basophil Absolute(Flouorescence 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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-----END OF REPORT-----

**Dr. Shalakha Agrawal**  
Associate Consultant, M.B.B.S, M.D. Pathology  
--2020



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## Department Of Laboratory Medicine

**Name** : MRS TAPSHI MADHAV **Age** : 27 Yr(s) Sex :Female  
**Registration No** : MH011796266 **Lab No** : 38240302996  
**Patient Episode** : H03000061600 **Collection Date** : 23 Mar 2024 11:23  
**Referred By** : HEALTH CHECK MHD **Reporting Date** : 23 Mar 2024 13:43  
**Receiving Date** : 23 Mar 2024 12:32

### CLINICAL PATHOLOGY

Test Name	Result	Biological Ref. Interval
<b>ROUTINE URINE ANALYSIS</b>		
<b>MACROSCOPIC DESCRIPTION</b>		
Colour (Visual)	PALE YELLOW	(Pale Yellow - Yellow)
<b>Appearance (Visual)</b>	<b>SLIGHTLY TURBID</b>	
<b>CHEMICAL EXAMINATION</b>		
Reaction[pH] (Reflectancephotometry (Indicator Method))	5.0	(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 Reflectance photometry/Griess test	NEGATIVE	NEGATIVE
<b>Leukocytes</b>	<b>++</b>	<b>NEGATIVE</b>
Reflectance photometry/Action of Esterase		
<b>BLOOD</b>	<b>PRESENT TRACE</b>	<b>NEGATIVE</b>
(Reflectance photometry (peroxidase))		
<b>MICROSCOPIC EXAMINATION (Manual)</b>	<b>Method: Light microscopy on centrifuged urine</b>	
<b>WBC/Pus Cells</b>	<b>8-10 /hpf</b>	<b>(4-6)</b>
<b>Red Blood Cells</b>	<b>2-4 /hpf</b>	<b>(1-2)</b>
<b>Epithelial Cells</b>	<b>10-15 /hpf</b>	<b>(2-4)</b>
Casts	NIL	(NIL)
Crystals	NIL	(NIL)
Bacteria	NIL	
Yeast cells	NIL	
<b>Interpretation:</b>		

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**Referred By** : HEALTH CHECK MHD **Reporting Date** : 23 Mar 2024 13:43  
**Receiving Date** : 23 Mar 2024 12:32

### 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 decrease

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

**Dr. Shalakha Agrawal**  
Associate Consultant, M.B.B.S, M.D. Pathology  
--2020



NAME	MRS , TAPSHI MADHAV	STUDY DATE	23/03/2024 10:34AM
AGE / SEX	27 y / F	HOSPITAL NO.	MH011796266
ACCESSION NO.	R7109964	MODALITY	US
REPORTED ON	23/03/2024 12:35PM	REFERRED BY	Health Check MHD

## USG WHOLE ABDOMEN

### Results:

Liver is normal in size (14.5 cm) and echopattern. No focal intra-hepatic lesion is detected. Intra-hepatic biliary radicals are not dilated. Portal vein is normal in calibre.

Gall bladder 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 (10 cm) 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 on either side. Bilateral pelvicalyceal systems are not dilated.

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

Uterus is anteverted and measures 64 x 34 x 51 mm. **Small subcentimetric seedling fibroid is seen in anterior myometrium.** Endometrium is central (3.9 mm).

Both ovaries are normal in size and echopattern.

Right ovary measures 23 x 15 mm

Left ovary measures 20 x 15 mm

No significant free fluid is detected.

**IMPRESSION: Small uterine fibroid.**

**Kindly correlate clinically**

**Dr. Nipun Gumber MBBS, MD DMC No.90272**

**ASSOCIATE CONSULTANT**



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# Human Care Medical Charitable Trust



Sector-6, Dwarka, New Delhi 110 075

GST: 07AAAAH3917LIZM PAN NO: AAAAH3917L

NAME	MRS , TAPSHI MADHAV	STUDY DATE	23/03/2024 10:34AM
AGE / SEX	27 y / F	HOSPITAL NO.	MH011796266
ACCESSION NO.	R7109964	MODALITY	US
REPORTED ON	23/03/2024 12:35PM	REFERRED BY	Health Check MHD

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



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GST: 07AAAAH3917LIZM PAN NO: AAAAH3917L

NAME	MRS , TAPSHI MADHAV	STUDY DATE	23/03/2024 1:47PM
AGE / SEX	27 y / F	HOSPITAL NO.	MH011796266
ACCESSION NO.	R7109966	MODALITY	CR
REPORTED ON	26/03/2024 3:23PM	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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