

CID :2408321162 Name : MRS.RAMA DEVI : 32 Years / Female Age / Gender Consulting Dr. : -Reg. Location : Mahavir Nagar, Kandivali West (Main Centre) Authenticity Check

Use a QR Code Scanner Application To Scan the Code :23-Mar-2024 / 09:26 :23-Mar-2024 / 12:09

Collected

Reported

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood				
<b>PARAMETER</b>	RESULTS	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>	
<b>RBC PARAMETERS</b>				
Haemoglobin	12.7	12.0-15.0 g/dL	Spectrophotometric	
RBC	5.03	3.8-4.8 mil/cmm	Elect. Impedance	
PCV	38.4	36-46 %	Measured	
MCV	76	80-100 fl	Calculated	
MCH	25.2	27-32 pg	Calculated	
MCHC	33.1	31.5-34.5 g/dL	Calculated	
RDW	14.6	11.6-14.0 %	Calculated	
WBC PARAMETERS				
WBC Total Count	8900	4000-10000 /cmm	Elect. Impedance	
WBC DIFFERENTIAL AND	ABSOLUTE COUNTS			
Lymphocytes	24.0	20-40 %		
Absolute Lymphocytes	2136.0	1000-3000 /cmm	Calculated	
Monocytes	6.8	2-10 %		
Absolute Monocytes	605.2	200-1000 /cmm	Calculated	
Neutrophils	65.0	40-80 %		
Absolute Neutrophils	5785.0	2000-7000 /cmm	Calculated	
Eosinophils	3.4	1-6 %		
Absolute Eosinophils	302.6	20-500 /cmm	Calculated	
Basophils	0.8	0.1-2 %		
Absolute Basophils	71.2	20-100 /cmm	Calculated	
Immature Leukocytes	-			

WBC Differential Count by Absorbance & Impedance method/Microscopy.

#### **PLATELET PARAMETERS**

Platelet Count	355000	150000-400000 /cmm	Elect. Impedance
MPV	10.0	6-11 fl	Calculated
PDW	19.0	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	Mild		
Microcytosis	Occasional		

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Limitations:

- It is a non-specific measure of inflammation.
- The use of the ESR as a screening test in asymptomatic persons is limited by its low sensitivity and specificity.

Reflex Test: C-Reactive Protein (CRP) is the recommended test in acute inflammatory conditions.

#### Reference:

- Pack Insert
- Brigden ML. Clinical utility of the erythrocyte sedimentation rate. American family physician. 1999 Oct 1;60(5):1443-50.

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West \*\*\* End Of Report \*\*\*





Dr.KETAKI MHASKAR M.D. (PATH) Pathologist

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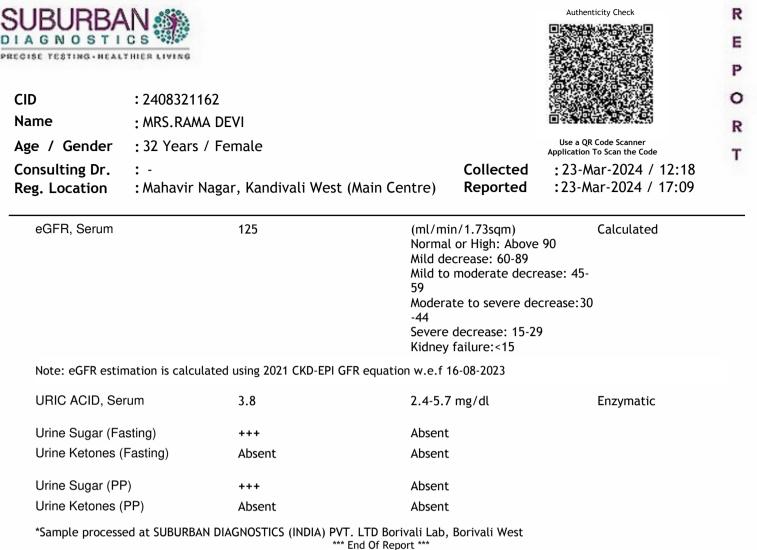
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Authenticity Check R E P 0 CID :2408321162 Name : MRS.RAMA DEVI R Use a QR Code Scanner Application To Scan the Code Age / Gender : 32 Years / Female т Consulting Dr. : -Collected :23-Mar-2024 / 09:26 Reported :23-Mar-2024 / 15:58 Reg. Location : Mahavir Nagar, Kandivali West (Main Centre)

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE					
PARAMETER	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>		
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	174.2	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase		
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	250.0	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase		
BILIRUBIN (TOTAL), Serum	0.34	0.1-1.2 mg/dl	Colorimetric		
BILIRUBIN (DIRECT), Serum	0.15	0-0.3 mg/dl	Diazo		
BILIRUBIN (INDIRECT), Serum	0.19	0.1-1.0 mg/dl	Calculated		
TOTAL PROTEINS, Serum	7.9	6.4-8.3 g/dL	Biuret		
ALBUMIN, Serum	5.0	3.5-5.2 g/dL	BCG		
GLOBULIN, Serum	2.9	2.3-3.5 g/dL	Calculated		
A/G RATIO, Serum	1.7	1 - 2	Calculated		
SGOT (AST), Serum	17.5	5-32 U/L	NADH (w/o P-5-P)		
SGPT (ALT), Serum	16.5	5-33 U/L	NADH (w/o P-5-P)		
GAMMA GT, Serum	19.2	3-40 U/L	Enzymatic		
ALKALINE PHOSPHATASE, Serum	77.5	35-105 U/L	Colorimetric		
BLOOD UREA, Serum	16.9	12.8-42.8 mg/dl	Kinetic		
BUN, Serum	7.9	6-20 mg/dl	Calculated		
CREATININE, Serum	0.54	0.51-0.95 mg/dl	Enzymatic		

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Reg. Location	: Mahavir Nagar, Kandivali West (Main Centre)	Reported	:23-Mar-2024 / 12:19	

#### AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE **GLYCOSYLATED HEMOGLOBIN (HbA1c) BIOLOGICAL REF RANGE** PARAMETER RESULTS **METHOD** HPLC Glycosylated Hemoglobin 6.5 Non-Diabetic Level: < 5.7 % (HbA1c), EDTA WB - CC Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 % Estimated Average Glucose 139.8 mg/dl Calculated (eAG), EDTA WB - CC

#### Intended use:

- In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year
- In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly
- For microvascular disease prevention, the HbA1C goal for non pregnant adults in general is Less than 7%.

#### **Clinical Significance:**

- HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.
- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

#### Test Interpretation:

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

#### Factors affecting HbA1c results:

Increased in: High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

Decreased in: Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

Reflex tests: Blood glucose levels, CGM (Continuous Glucose monitoring)

References: ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West \*\*\* End Of Report \*\*\*



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# AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
PHYSICAL EXAMINATION			
Colour	Brown	Brown	-
Form and Consistency	Semi Solid	Semi Solid	-
Mucus	Absent	Absent	-
Blood	Absent	Absent	-
CHEMICAL EXAMINATION			
Reaction (pH)	Acidic (5.5)	-	pH Indicator
Occult Blood	Absent	Absent	Guaiac
MICROSCOPIC EXAMINATION			
Protozoa	Absent	Absent	-
Flagellates	Absent	Absent	-
Ciliates	Absent	Absent	-
Parasites	Absent	Absent	-
Macrophages	Absent	Absent	-
Mucus Strands	Absent	Absent	-
Fat Globules	Absent	Absent	-
RBC/hpf	Absent	Absent	-
WBC/hpf	Absent	Absent	-
Yeast Cells	Absent	Absent	-
Undigested Particles	Present +	-	-
Concentration Method (for ova)	No ova detected	Absent	-
Reducing Substances		Absent	Benedicts

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# AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

URINE EXAMINATION REPORT				
PARAMETER	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>	
PHYSICAL EXAMINATION				
Color	Pale yellow	Pale Yellow	-	
Reaction (pH)	6.0	4.5 - 8.0	Chemical Indicator	
Specific Gravity	1.015	1.001-1.030	Chemical Indicator	
Transparency	Slight hazy	Clear	-	
Volume (ml)	20	-	-	
<b>CHEMICAL EXAMINATION</b>				
Proteins	Absent	Absent	pH Indicator	
Glucose	3+	Absent	GOD-POD	
Ketones	Absent	Absent	Legals Test	
Blood	Absent	Absent	Peroxidase	
Bilirubin	Absent	Absent	Diazonium Salt	
Urobilinogen	Normal	Normal	Diazonium Salt	
Nitrite	Absent	Absent	Griess Test	
MICROSCOPIC EXAMINATIO	<u>N</u>			
Leukocytes(Pus cells)/hpf	25-30	0-5/hpf		
Red Blood Cells / hpf	Absent	0-2/hpf		
Epithelial Cells / hpf	8-10			
Casts	Absent	Absent		
Crystals	Absent	Absent		
Amorphous debris	Absent	Absent		
Bacteria / hpf	++	Less than 20/hpf		
Others	-			

Result rechecked.

Kindly correlate clinically.

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Consulting Dr.	: -	Collected	:23-Mar-2024 / 09:26	
Reg. Location	: Mahavir Nagar, Kandivali West (Main Centre)	Reported	:23-Mar-2024 / 16:04	

Interpretation: The concentration values of Chemical analytes corresponding to the grading given in the report are as follows:

• Protein ( 1+ = 25 mg/dl , 2+ =75 mg/dl , 3+ = 150 mg/dl , 4+ = 500 mg/dl )

• Glucose(1+ = 50 mg/dl , 2+ =100 mg/dl , 3+ =300 mg/dl ,4+ =1000 mg/dl )

• Ketone (1+ =5 mg/dl , 2+ = 15 mg/dl , 3+= 50 mg/dl , 4+ = 150 mg/dl )

Reference: Pack inert

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West \*\*\* End Of Report \*\*\*



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: 23-Mar-2024 / 09:26 :23-Mar-2024 / 19:52

### AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE BLOOD GROUPING & Rh TYPING

PARAMETER

## RESULTS

ABO GROUP B Rh TYPING Positive

NOTE: Test performed by automated Erythrocytes magnetized technology (EMT) which is more sensitive than conventional methods.

Specimen: EDTA Whole Blood and/or serum

#### Clinical significance:

ABO system is most important of all blood group in transfusion medicine

#### Limitations:

- ABO blood group of new born is performed only by cell (forward) grouping because allo antibodies in cord blood are of maternal origin.
- Since A & B antigens are not fully developed at birth, both Anti-A & Anti-B antibodies appear after the first 4 to 6 months of life. As a result, weaker reactions may occur with red cells of newborns than of adults.
- Confirmation of newborn's blood group is indicated when A & B antigen expression and the isoagglutinins are fully developed at 2 to 4 years of age & remains constant throughout life.
- Cord blood is contaminated with Wharton's jelly that causes red cell aggregation leading to false positive result
- The Hh blood group also known as Oh or Bombay blood group is rare blood group type. The term Bombay is used to refer the phenotype that lacks normal expression of ABH antigens because of inheritance of hh genotype.

#### Refernces:

- 1. Denise M Harmening, Modern Blood Banking and Transfusion Practices- 6th Edition 2012. F.A. Davis company. Philadelphia
- 2. AABB technical manual

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab

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



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Dr.VRUSHALI SHROFF M.D.(PATH) Pathologist

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Age / Gender	: 32 Years / Female		Use a QR Code Scanner Application To Scan the Code	
Consulting Dr. Reg. Location	: - : Mahavir Nagar, Kandivali West (Main Centre)	Collected Reported	:23-Mar-2024 / 09:26 :23-Mar-2024 / 15:58	

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
LIPID PROFILE

<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	165.6	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	99.9	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	GPO-POD
HDL CHOLESTEROL, Serum	45.8	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Homogeneous enzymatic colorimetric assay
NON HDL CHOLESTEROL, Serum	119.8	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	100.0	Optimal: <100 mg/dl Near Optimal: 100 - 129 mg/dl Borderline High: 130 - 159 mg/dl High: 160 - 189 mg/dl Very High: >/= 190 mg/dl	Calculated
VLDL CHOLESTEROL, Serum	19.8	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	3.6	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.2	0-3.5 Ratio	Calculated

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Reg. Location	: Mahavir Nagar, Kandivali West (Main Centre)	Reported	:23-Mar-2024 / 18:02	

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS				
<b>PARAMETER</b>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>	
Free T3, Serum	5.6	3.5-6.5 pmol/L	ECLIA	
Free T4, Serum	18.0	11.5-22.7 pmol/L First Trimester:9.0-24.7 Second Trimester:6.4-20.59 Third Trimester:6.4-20.59	ECLIA	
sensitiveTSH, Serum	2.1	0.35-5.5 microIU/ml First Trimester:0.1-2.5 Second Trimester:0.2-3.0 Third Trimester:0.3-3.0	ECLIA	

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Consulting Dr.	:-	Collected	:23-Mar-2024 / 09:26	
Reg. Location	: Mahavir Nagar, Kandivali West (Main Centre)	Reported	:23-Mar-2024 / 18:02	

#### Interpretation:

A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

#### **Clinical Significance:**

1)TSH Values between high abnormal upto15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors

can give falsely high TSH.

2)TSH values may be trasiently altered becuase of non thyroidal illness like severe infections, liver disease, renal and heart severe burns, trauma and surgery etc.

TSH	FT4 / T4	FT3 / T3	Interpretation
High	Normal	Normal	Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone, Recovery phase of non- thyroidal illness, TSH Resistance.
High	Low	Low	Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism.
Low	High	High	Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)
Low	Normal	Normal	Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.
Low	Low	Low	Central Hypothyroidism, Non Thyroidal Illness, Recent Rx for Hyperthyroidism.
High	High	High	Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti epileptics.

Diurnal Variation: TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am, and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation: 19.7% (with in subject variation)

Reflex Tests: Anti thyroid Antibodies, USG Thyroid , TSH receptor Antibody. Thyroglobulin, Calcitonin

#### Limitations:

1. Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until atleast 8 hours

following the last biotin administration.

2. Patient samples may contain heterophilic antibodies that could react in immunoassays to give falsely elevated or depressed results. this assay is designed to minimize interference from heterophilic antibodies.

#### Reference:

1.O.koulouri et al. / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)

2. Interpretation of the thyroid function tests, Dayan et al. THE LANCET . Vol 357

3. Tietz , Text Book of Clinical Chemistry and Molecular Biology -5th Edition

4.Biological Variation: From principles to Practice-Callum G Fraser (AACC Press)

#### \*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West \*\*\* End Of Report \*\*\*



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**Dr.KETAKI MHASKAR** M.D. (PATH) Pathologist

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Centre

: 2408321162

: Mrs Rama devi

: 32 Years/Female

: Mahavir Nagar, Kandivali West Main

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: 23-Mar-2024

Use a QR Code Scanner Application To Scan the Code : 23-Mar-2024/12:27

## **USG WHOLE ABDOMEN**

**Reg.** Date

Reported

## LIVER:

CID

Name

Age / Sex

**Reg.** Location

Ref. Dr

The liver is normal in size, shape and smooth margins. It shows normal echogenicity. The intra hepatic biliary and portal radical appear normal. No evidence of any intra hepatic cystic or solid lesion seen. The main portal vein and CBD appears normal.

## **GALL BLADDER:**

The gall bladder is physiologically distended and shows normal wall thickness. No evidence of gall stones or mass lesions seen

## **PANCREAS:**

The pancreas is well visualised and appears normal. No evidence of solid or cystic mass lesion.

## **KIDNEYS:**

Both the kidneys are normal in size shape and echotexture. No evidence of any calculus, hydronephrosis or mass lesion seen.

## **SPLEEN:**

The spleen is normal in size and echotexture.No evidence of focal lesion is noted.

## **URINARY BLADDER:**

The urinary bladder is well distended and reveal no intraluminal abnormality. Wall thickness appears normal.

## **UTERUS:**

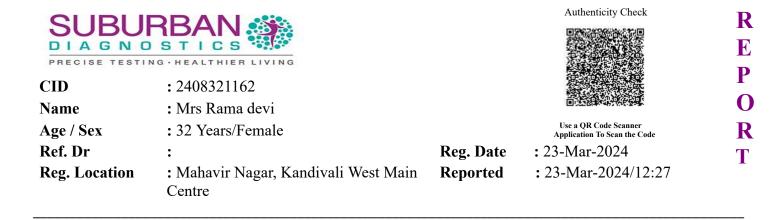
The uterus is anteverted and appears normal. The endometrial thickness is 10 mm.

## **OVARIES:**

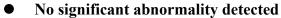
Both the ovaries are well visualised and appears normal. There is no evidence of any ovarian or adnexal mass seen.

## **ADDITIONAL COMMENTS:**

Visualized bowel loops shows normal peristalsis. There is no evidence of any lymphadenopathy or ascites.



### **IMPRESSION:-**

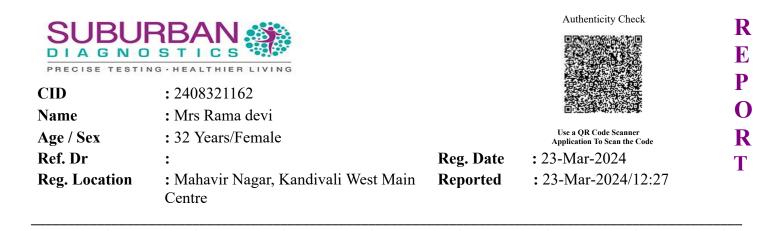


### **ADVICE:** Clinical correlation

NOTE: Above USG report is subject to findings evident at the time of scan & associated bowel gases. Sonography is known to have inter-observer variations. This modality has its own limitations & should be considered as a professional opinion. Solitary radiological investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. Further / Follow-up imaging may be needed in some case for confirmation of findings. Please interpret accordingly. This report cannot be used for medico - legal purposes

-----End of Report-----

Dr. VIKRANT S. PATIL M. D. Radio Diagnosis Reg No 2014052421





	STICS		
PRECISE TESTI	NG•HEALTHIER LIVING		
CID	: 2408321162		
Name	: Mrs Rama devi		
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Ref. Dr	:	Reg. Date	: 23-Mar-2024
Reg. Location	: Mahavir Nagar, Kandivali West Main Centre	Reported	: 26-Mar-2024/12:06

## **X-RAY CHEST PA VIEW**

Both lung fields are clear.

Both costo-phrenic angles are clear.

The cardiac size and shape are within normal limits.

The domes of diaphragm are normal in position and outlines.

The skeleton under review appears normal.

## **IMPRESSION: NO SIGNIFICANT ABNORMALITY IS DETECTED.**

-----End of Report-----

Dr. Chirag Patel **Consultant Radiologist** M.B.B.S, MD (Radiodiagnosis) Reg. No. MMC 2017073319

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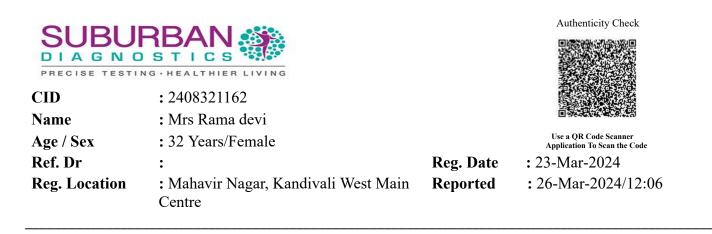
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