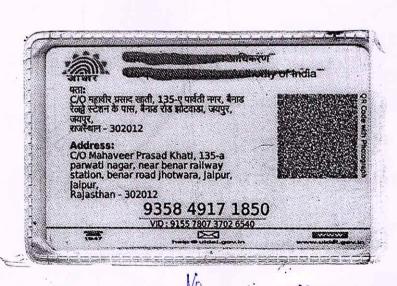


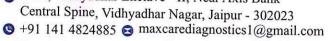
Manje



Dr. U. C. GUPTAN MBBS, MD (Rhyssictism)) RMCNto 2001



B-14, Vidhyadhar Enclave - II, Near Axis Bank





# **General Physical Examination**

Date of Examination: 1211122	
Name: MANTU Age	: 50 DOB: 30/01/1972 Sex: Female
Referred By: DANK OF DARODA	
Photo ID: AADHAR CARD ID#: 1850	
Ht: <u>165</u> (cm)	Wt: <u><b>65</b></u> (Kg)
Chest (Expiration): 38 (cm)	Abdomen Circumference:(cm)
Blood Pressure: 10/85 mm Hg PR: 48/mi	n RR: 19 min Temp: Aletonia
BMI	N.C.B
Other: N/A	
On examination he/she appears physically and menta	
Signature Of Examine: ————————————————————————————————————	Name of Examinee: Manau
Signature Medical Examiner:	Dr. U. C. GUPTA  MBBS, MD (Physician)  RMC No. 291



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NAME :- Mrs. MANJU

Age:- 50 Yrs 9 Mon 14 Days

Sex :- Female

Patient ID :-12222425 Date :- 12/11/2022

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :- M

Mr.MEDIWHEEL

Final Authentication: 13/11/2022 12:16:11

FULL BODY HEALTH CHECKUP ABOVE 40FEMALE

**PAP SMEAR** 

## PAP SMEAR FOR CYTOLOGY EXAMINATION

Microscopic & diagnosis,

Smears are studied show dispersed population of predominantly superficial, intermediate and few parabasal cells with normal N:C ratio.

Conventional cervical cytology smears (PAP smear), Received unstained smears

No endocervical cells seen.

No atypical or malignant cells seen.

IMPRESSION : Negative for intra-epithelial lesion (NILM)

Adv: Clinical correlation.

Note: Please note papanicolaou smear study is a screening procedure for cervical cancer with inherent false negative result, hence should be interpreted with caution.

\*\*\* End of Report \*\*\*

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Technologist
Page No: 1 of 1



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Age:- 50 Yrs 9 Mon 14 Days

Sex :- Female



Patient ID :-12222425

Date :- 12/11/2022

09:50:45

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp:-

Company :-

Mr.MEDIWHEEL

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## **HAEMATOLOGY**

Test Name	Value	Unit	Biological Ref Inter	rval
FULL BODY HEALTH CHECKUP ABOVE 40FI	EMALE			
HAEMOGLOBIN (Hb)	12.9	g/dL	12.0 - 15.0	
TOTAL LEUCOCYTE COUNT	4.60	/cumm	4.00 - 10.00	
DIFFERENTIAL LEUCOCYTE COUNT				
NEUTROPHIL	59.0	%	40.0 - 80.0	
LYMPHOCYTE	34.0	%	20.0 - 40.0	
EOSINOPHIL	3.0	%	1.0 - 6.0	
MONOCYTE	4.0	%	2.0 - 10.0	
BASOPHIL	0.0	%	0.0 - 2.0	
TOTAL RED BLOOD CELL COUNT (RBC)	4.57	x10^6/uL	3.80 - 4.80	Q
HEMATOCRIT (HCT)	41.30	%	36.00 - 46.00	
MEAN CORP VOLUME (MCV)	90.0	fL	83.0 - 101.0	
MEAN CORP HB (MCH)	28.3	pg	27.0 - 32.0	
MEAN CORP HB CONC (MCHC)	31.3 L	g/dL	31.5 - 34.5	
PLATELET COUNT	249	x10^3/uL	150 - 410	
RDW-CV	13.5	%	11.6 - 14.0	
MENTZER INDEX A complete blood picture (CBP) is a kind of blood test the	19.69 H	es a person's overall health and	0.00 - 13.00	

A complete blood picture (CBP) is a kind of blood test that is done to assess a person's overall health and diagnose a wide range of health disorders like leukemia, anemia and other infections.

A complete blood count (CBC) is a complete blood test that diagnose many components and features of a persons blood which includes: -

\*Red Blood Cells (RBC), which carry oxygen -

\*White Blood Cells (WBC), which help in fighting against infections -

\*Hemoglobin, which is the oxygen carrying protein in the red blood cells -

\*Hematocrit (HCT), the proportion of RBC to the fluid component, or plasma present in blood -

\*Platelets, which aid in blood clotting

(CBC): Methodology: TLC,TRBC,PCV,PLT Impedance method, HB Calorimetric method, and MCH,MCV,MCHC,MENTZER INDEX are calculated. InstrumentName: MINDRAY BC-3000 Plus 3 part automatic analyzer,

VIKARANTJI

Technologist Page No: 1 of 16 DR.TANU RUNGTA MD (Pathology) RMC No. 17226

This report is not valid for medico legal purpose



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50 Yrs 9 Mon 14 Days Age :-

Sex :-Female



Patient ID: -12222425

Ref. By Doctor:-BANK OF BARODA

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### HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR) Methord:- Westergreen

14

mm in 1st hr

00 - 20

The erythrocyte sedimentation rate (ESR or sed rate) is a relatively simple, inexpensive, non-specific test that has been used for many years to help detect inflammation associated with conditions such as infections, cancers, and autoimmune diseases.ESR is said to be a non-specific test because an elevated result often indicates the presence of inflammation but does not tell the health practitioner exactly where the inflammation is in the body or what is causing it. An ESR can be affected by other conditions besides inflammation. For this reason, the ESR is typically used in conjunction with other tests, such as C-reactive protein. ESR is used to help diagnose certain specific inflammatory diseases, including temporal arteritis, systemic vasculitis and polymyalgia rheumatica. (For more on these, read the article on Vasculitis.) A significantly elevated ESR is one of the main test results used to support the diagnosis. This test may also be used to monitor disease activity and response to therapy in both of the above diseases as well as



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**Technologist** Page No: 2 of 16



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50 Yrs 9 Mon 14 Days Age :-

Female Sex :-



Date: 12/11/2022

09:50:45

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp:-

Patient ID :-12222425

Company :-

Mr.MEDIWHEEL

Final Authentication: 13/11/2022 09:01:08

**BIOCHEMISTRY** 

Test Name	Value	Unit	<b>Biological Ref Interval</b>

FASTING BLOOD SUGAR (Plasma) Methord:- GOD POD

82.5

mg/dl

70.0 - 115.0

Impaired glucose tolerance (IGT)	111 - 125 mg/dL
Diabetes Mellitus (DM)	> 126 mg/dL

Instrument Name: HORIBA CA60 Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic

hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels (hypoglycemia) may result

from excessive insulin

therapy or various liver diseases.

BLOOD SUGAR PP (Plasma) Methord:- GOD PAP

90.5

mg/dl

70.0 - 140.0

Instrument Name: HORIBA Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm, hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels(hypoglycemia) may result from excessive insulin therapy or various liver diseases.

VIKARANTJI

**Technologist** Page No: 4 of 16 DR.TANU RUNGTA



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Patient ID: -12222425

Mr.MEDIWHEEL Company:-

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NAME:- Mrs. MANJU

50 Yrs 9 Mon 14 Days Age :-

Sex :-Female

HAEMATOLOGY

Value Unit **Biological Ref Interval Test Name GLYCOSYLATED HEMOGLOBIN (HbA1C)** 

Non-Diabetic < 6.0 Good Control 6.0-7.0 Methord:- CAPILLARY with EDTA 5.6 mg% Weak Control 7.0-8.0 Poor control > 8.0

MEAN PLASMA GLUCOSE Methord:- Calculated Paramete

114

mg/dL

68 - 125

INTERPRETATION

AS PER AMERICAN DIABETES ASSOCIATION (ADA) Reference Group HbA1c in % Non diabetic adults >=18 years < 5.7 At risk (Prediabetes) 5.7 - 6.4 Diagnosing Diabetes >= 6.5

### **CLINICAL NOTES**

In vitro quantitative determination of HbA1c in whole blood is utilized in long term monitoring of glycemia. The HbA1c level correlates with the mean glucose concentration prevailing in the course of the patient's recent history (approx - 6-8 weeks) and therefore provides much more reliable information for glycemia monitoring than do determinations of blood glucose or urinary glucose. It is recommended that the determination of HbA1c be performed at intervals of 4-6 weeks during Diabetes Mellitus therapy. Results of HbA1c should be assessed in conjunction with the patient's medical history, clinical examinations and other findings. Some of the factors that influence HbA1c and its measurement [Adapted from Gallagher et al ]

- Increased HbA1c: iron, vitamin B12 deficiency, decreased erythropolesis.
   Decreased HbA1c: administration of erythropoletin, iron, vitamin B12, reticulocytosis, chronic liver disease
- 2. Altered Haemoglobin-Genetic or chemical alterations in hemoglobin: hemoglobinopathies, HbF, methemoglobin, may increase or decrease HbA1c.

- Increased HbA1c: alcoholism, chronic renal failure, decreased intraerythrocytic pH.
- Decreased HbA1c: certain hemoglobinopathies, increased intra-erythrocyte pH
- 4. Erythrocyte destruction
- increased HbA1c: increased erythrocyte life span: Splenectomy.
   Decreased A1c: decreased RBC life span: hemoglobinopathies, splenomegaly, rheumatoid arthritis or drugs such as antiretrovirals, ribavirin & dapsone.

- Increased HbA1c: hyperbilirubinemia, carbamylated hemoglobin, alcoholism, large doses of aspirin, chronic opiate use, chronic renal failure
   Decreased HbA1c: hypertriglyceridemia, reticulocytosis, chronic liver disease, aspirin, vitamin C and E, splenomegaly, rheumatoid arthritis or drugs

1. Shortened RBC life span -HbA1c test will not be accurate when a person has a condition that affects the average lifespan of red blood cells (RBCs), such as hemolytic anemia or blood loss. When the lifespan of RBCs in circulation is shortened, the A1c result is falsely low and is an unreliable measurement of a person's average glucose over time.

2.Abnormal forms of hemoglobin – The presence of some hemoglobin variants, such as hemoglobin S in sickle cell anemia, may affect certain methods for measuring A1c. In these cases, fructosamine can be used to monitor glucose control.

1.To follow patient for glycemic control test like fructosamine or glycated albumin may be performed instead.
2.Hemoglobin HPLC screen to analyze abnormal hemoglobin variant.

estimated Average Glucose (eAG): based on value calculated according to National Glycohemoglobin Standardization Program (NGSP) criteria.

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**Technologist** 

Page No: 5 of 16

Janu



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NAME :- Mrs. MANJU

Age:- 50 Yrs 9 Mon 14 Days

Sex :- Female



Patient ID :-12222425 Date :- 12/11/2022

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

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## HAEMATOLOGY

BLOOD GROUP ABO Methord:- Haemagglutination reaction "B" NEGATIVE



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Technologist Page No: 6 of 16



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Final Authentication: 13/11/2022 09:01:08

NAME :- Mrs. MANJU

Sex :-Female

Age :-

BIOCHEMISTRY

Test Name	Value	Unit	<b>Biological Ref Interval</b>

LIPID PROFILE

TOTAL CHOLESTEROL Methord:- CHOD-PAP methodology

215.00

mg/dl

Desirable <200 Borderline 200-239

High> 240

InstrumentName: MISPA PLUS Interpretation: Cholesterol measurements are used in the diagnosis and treatments of lipid lipoprotein metabolism disorders.

TRIGLYCERIDES Methord:- GPO-TOPS methodology

118.00

mg/dl

Normal

<150

Borderline high 150-199 High 200-499 High Very high >500

InstrumentName: MISPA PLUS Interpretation: Triglyceride measurements are used in the diagnosis and treatment of diseases involving lipid metabolism and various endocrine disorders e.g. diabetes mellitus, nephrosis and liver obstruction.

DIRECT HDL CHOLESTEROL

Methord: - Selective inhibition Method

Male 35-80

Female 42-88

Instrument Name: MISPA PLUS Interpretation: An inverse relationship between HDL-cholesterol (HDL-C) levels in serum and the incidence/prevalence of coronary heart disease (CHD) has been demonstrated in a number of epidemiological studies. Accurate measurement of HDL-C is of vital importance when assessing patient risk from CHD. Direct measurement gives improved accuracy and reproducibility when compared to precipitation methods

LDL CHOLESTEROL Methord:- Calculated Method

123.53

mg/dl

Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159

High 160-189 Very High > 190

VLDL CHOLESTEROL

23.60

mg/dl

0.00 - 80.00

T.CHOLESTEROL/HDL CHOLESTEROL RATIO

0.00 - 4.90

LDL / HDL CHOLESTEROL RATIO

1.72

0.00 - 3.50

Methord:- Calculated

TOTAL LIPID

623.49

mg/dl

400.00 - 1000.00

1. Measurements in the same patient can show physiological analytical variations. Three serialsamples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL& LDL Cholesterol.

2. As per NCEP guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is

3. Low HDL levels are associated with Coronary Heart Disease due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated fromperipheral tissues.

Comments: 1- ATP III suggested the addition of Non HDL Cholesterol (Total Cholesterol - HDL Cholesterol) as an indicator of all VIKARANTJI

**Technologist** 

Page No: 7 of 16

DR.TANU RUNGTA

MD (Pathology) RMC No. 17226

Janu



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Age:- 50 Yrs 9 Mon 14 Days

Sex :- Female



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Company:- Mr.MEDIWHEEL

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### **BIOCHEMISTRY**

LIVER PROFILE WITH GGT			
SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo	0.68	mg/dL	Infants: 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo	0.14	mg/dL	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	0.54	mg/dl	0.30-0.70
SGOT Methord:- IFCC	18.2	U/L	Men- Up to - 37.0 Female - Up to - 31.0
SGPT Methord:- IFCC	15.9	U/L	Men- Up to - 40.0 Female- Up to - 31.0
SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE	64.40	U/L	42.00 - 110.00
SERUM GAMMA GT Methord:- Szasz methodology Instrument Name Randox Rx Imola Interpretation: Elevations in GGT levels are seen earlier and more pronounced than thos	20.50	U/L in cases of obstructive jaundice and	5.00 - 32.00
metastatic neoplasms. It may reach 5 to 30 times normal levels in intra-or post- hepatic biliary obstruction. Only moderate elevations in the enzyme level (2 to 5 times	normal)are observed with i	nfectious hepatitis	8
SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent	5.62	g/dl	5.10 - 8.00
SERUM ALBUMIN Methord:- Bromocresol Green	4.06	g/dl	2.80 - 4.50
SERUM GLOBULIN Methord:- CALCULATION	1.56 L	gm/dl	2.20 - 3.50
A/G RATIO	2.60 H		1.30 - 2.50

Interpretation: Measurements obtained by this method are used in the diagnosis and treatment of a variety of diseases involving the liver, kidney and bone marrow as well as other metabolic or nutritional disorders.

Note:- These are group of tests that can be used to detect the presence of liver disease, distinguish among different types of liver disorders, gauge the extent of known liver damage, and monitor the response to treatment. Most liver diseases cause only mild symptoms initially, but these diseases must be detected early. Some tests are associated with functionality (e.g., albumin), some with cellular integrity (e.g., transaminase), and some with conditions linked to the biliary tract (gamma-glutamyl transferase and alkaline phosphatase). Conditions with elevated levels of ALT and AST include hepatitis A,B,C, paracetamol toxicity etc. Several biochemical tests are useful in the evaluation and management of patients with hepatic dysfunction. Some or all of these measurements are also carried out (usually about twice a year for routine cases) on those individuals taking certain medications, such as anticonvulsants, to ensure that the medications are not adversely impacting the person's liver.

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Technologist

Page No: 9 of 16

DR.TANU RUNGTA



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BIOCHEMISTRY

RFT / KFT WITH ELECTROLYTES

SERUM UREA Methord:- Urease/GLDH 11.80

mg/dl

10.00 - 50.00

InstrumentName: MISPA PLUS Interpretation: Urea measurements are used in the diagnosis and treatment of certain renal and metabolic

SERUM CREATININE Methord:- Jaffe's Method

NAME :- Mrs. MANJU

Female

Age :-

Sex :-

0.95

mg/dl

Males: 0.6-1.50 mg/dl

Females: 0.6 -1.40 mg/dl

Interpretation:

Creatinine is measured primarily to assess kidney function and has certain advantages over the measurement of urea. The plasma level of creatinine is relatively independent of protein ingestion, water intake, rate of urine production and exercise. Depressed levels of plasma creatinine are rare and not clinically significant

clinically significant. SERUM URIC ACID

3.85

mg/dl

2.40 - 7.00

InstrumentName:HORIBA YUMIZEN CA60 Daytona plus Interpretation: Elevated Urate; High purine diet, Alcohol• Renal insufficiency, Drugs, Polycythaemia vera, Malignancies, Hypothyroidism, Rare enzyme defects, Downs syndrome, Metabolic syndrome, Pregnancy, Gout.

SODIUM Methord:- ISE 134.8 L

mmol/L

135.0 - 150.0

Interpretation: Decreased sodium - Hyponatraemia Causes include: fluid or electrolyte loss, Drugs, Oedematous states, Legionnaire's disease and other chest infections, pseudonatremia, Hyperlipidaemias and paraproteinaemias, endocrine diseases, SIADH.

POTASSIUM

4.24

mmol/L

3.50 - 5.50

Methord:- ISE

Interpretation: A. Elevated potassium (hyperkalaemia) • Artefactual, Physiological states, Renal failure Adrenocortical insufficiency, metabolic acidoses, very high platelet or white cell counts B. Decreased potassium (hypokalaemia) Drugs, Liquoric, Diarrhoea and vomiting, Metabolic alkalosis, Corticosteroid excess, Oedematous state, Anorexia nervosa/bulimia

CHLORIDE

E

107.8

mmol/L

94.0 - 110.0

Interpretation: Used for Electrolyte monitoring.

SERUM CALCIUM Methord: - Arsenazo III Method 9.10

mg/dL

8.80 - 10.20

InstrumentName: MISPA PLUS Interpretation: Serum calcium levels are believed to be controlled by parathyroid hormone and vitamin D. Increases in serum PTH or vitamin D are usually associated with hypercalcemia .Hypocalcemia may be observed in hypoparathyroidism, nephrosis and pancreatitis.

SERUM TOTAL PROTEIN

5.62

g/dl

5.10 - 8.00

**Technologist** 

Page No: 10 of 16

DR.TANU RUNGTA



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NAME :- Mrs. MANJU

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## TOTAL THYROID PROFILE

### **IMMUNOASSAY**

Test Name	Value	Unit	Biological Ref Interval
THYROID-TRIIODOTHYRONINE T3 Methord:- ECLIA	1.09	ng/mL	0.70 - 2.04

NOTE-TSH levels are subject to circardian variation, reaching peak levels between 2-4 AM and min between 6-10 PM. The variation is the order of 50% hence time of the day has influence on the measures serum TSH concentration. Dose and time of drug intake also influence the test result. Transient increase in TSH levels or abnormal TSH levels can be seen in some non thyroidal conditions, simoultaneous measurement of TSH with free T4 is useful in evaluating differential diagnosis

INTERPRETATION-Ultra Sensitive 4th generation assay 1.Primary hyperthyroidism is accompanied by †serum T3 & T4 values along with \*TSH level.2.Low TSH,high FT4 and TSH receptor antibody(TRAb) +ve seen in patients with Graves disease 3.Low TSH,high FT4 and TSH receptor antibody(TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter 4.HighTSH,Low FT4 and Thyroid microsoma antibody increased seen in patients with Hashimotos thyroiditis 5.HighTSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with Hodine deficiency/Congenital T4 synthesis deficiency 6 Low TSH,Low FT4 and TRH stimulation test -Delayed response seen in patients with Tertiary hypothyroidism
7.Primary hypothyroidism is accompanied by 1 serum T3 and T4 values & 'serum TSH levels 8.Normal T4 levels accompanied by 'T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis9.Normal or T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.11.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.13.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.13.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.14.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.15.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.15.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.15.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.15.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism.15.Normal T3

DURING PREGNANCY - REFERENCE RANGE for TSH IN ulU/mL (As per American Thyroid Association) 1st Trimester: 0.10-2.50 ulU/mL 2nd Trimester: 0.20-3.00 ulU/mL 3rd Trimester: 0.30-3.00 ulU/mL The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy.

REMARK-Assay results should be interpreted in context to the clinical condition and associated results of other investigations. Previous treatment with corticosteroid therapy may result in lower TSH levels while thyroid hormone levels are normal. Results are invalidated if the client has undergone a radionuclide scan within 7-14 days before the test. Ahorman thyroid test findings often found in critically ill platients should be repeated after the critical nature of the condition is resolved. TSH is an important marker for the diagnosis of thyroid dysfunction. Recent studies have shown that the TSH distribution progressively shifts to a higher than the total condition of the condition of the condition is resolved. TSH is an important marker for the diagnosis of thyroid dysfunction. Recent studies have shown that the TSH distribution progressively shifts to a higher than the total condition of the condi Methord:- ECLIA

NOTE-TSH levels are subject to circardian variation, reaching peak levels between 2-4 AM and min between 6-10 PM. The variation is the order of 50% hence time of the day has influence on the measures serum TSH concentration. Dose and time of drug intake also influence the test result. Transient increase in TSH levels or abnormal TSH levels can be seen in some non thyroidal conditions, simoultaneous measurement of TSH with free T4 is useful in evaluating differential diagnosis

INTERPRETATION-Ultra Sensitive 4th generation assay 1. Primary hyperthyroidism is accompanied by tserum T3 & T4 values along with \*TSH level. 2. Low TSH, high FT4 and TSH receptor antibody (TRAb) +ve seen in patients with Graves disease 3.Low TSH,high FT4 and TSH receptor antibody (TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter 4.HighTSH,Low FT4 and Thyroid micros antibody increased seen in patients with Hashimotos thyroiditis 5.HighTSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with lodine deficiency/Congenital T4 synthesis deficiency 6.Low

TSH,Low FT4 and TRH stimulation test -Delayed response seen in patients with Testiary hypothyroidism
7. Primary hypothyroidism is accompanied by ‡ serum T3 and T4 values & 'serum TSH levels8. Normal T4 levels accompanied by \*T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis9. Normal or \*T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .11. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .12. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .12. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .13. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .14. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyroidism .15. Normal T3 & \*T4 along with \*TSH indicate mild / Subclinical Hypothyro

DURING PREGNANCY - REFERENCE RANGE for TSH IN uIU/mL (As per American Thyroid Association) 1st Trimester: 0.10-2.50 uIU/mL 2nd Trimester: 0.20-3.00 uIU/mL 3rd Trimester: 0.30-3.00 ulU/mL The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy

REMARK-Assay results should be interpreted in context to the clinical condition and associated results of other investigations. Previous treatment with corticosteroid therapy may result in lower TSH levels while thyroid hormone levels are normal. Results are invalidated if the client has undergone a radionuclide scan within 7-14 days before the test. Abnormal thyroid test findings often found in critically ill patients should be repeated after the critical nature of the condition is resolved. TSH is an important marker for the diagnosis of thyroid dysfunction. Recent studies have shown that the TSH distribution progressively shifts to a higher concentration with age, and it is debatable whether this is due to a real change with age or an increasing proportion of unrecognized thyroid disease in the elderly.

TSH Methord:- ECLIA 2.090

μIU/mL

0.350 - 5.500

NOTE-TSH levels are subject to circardian variation, reaching peak levels between 2-4 AM and min between 6-10 PM. The variation is the order of 50% hence time of the day has influence on the measures serum TSH concentration. Dose and time of drug intake also influence the test result. Transient increase in TSH levels or abnormal TSH levels can be seen in some non thyroidal conditions, simoultaneous measurement of TSH with free T4 is useful in evaluating differential diagnosis

NTERPRETATION-Ultra Sensitive 4th generation assay

Technologist Page No: 15 of 16

DR.TANU RUNGTA MD (Pathology) RMC No. 17226

Janu

This report is not valid for medico legal purpose



⊕ +91 141 4824885 maxcarediagnostics1@gmail.com



Date :- 12/11/2022

09:50:45

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp:-

Company:-

Mr.MEDIWHEEL

Final Authentication: 13/11/2022 09:01:08

50 Yrs 9 Mon 14 Days

BIOCHEMISTRY

SERUM ALBUMIN

Methord:- Bromocresol Green

NAME :- Mrs. MANJU

Female

4.06

g/dl

2.80 - 4.50

SERUM GLOBULIN Methord:- CALCULATION

1.56 L

gm/dl

2.20 - 3.50

A/G RATIO

Age :-

Sex :-

2.60 H

1.30 - 2.50

Interpretation: Measurements obtained by this method are used in the diagnosis and treatment of a variety of diseases involving the liver, kidney and bone marrow as well as other metabolic or nutritional disorders.

Kidney function tests are group of tests that can be used to evaluate how well the kidneys are functioning. Creatinine is a waste product that comes from protein in the diet and also comes from the normal wear and tear of muscles of the body. In blood, it is a marker of GFR .in urine, it can remove the need for 24-hour collections for many analytes or be used as a quality assurance tool to assess the accuracy of a 24-hour collection Higher levels may be a sign that the kidneys are not working properly. As kidney disease progresses, the level of creatinine and urea in the bloodincreases. Certain drugs are nephrotoxic hence KFT is done before and after initiation of treatment with these drugs.

Low serum creatinine values are rare; they almost always reflect low muscle mass.

VIKARANTJI

**Technologist** Page No: 11 of 16



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NAME :- Mrs. MANJU

Age :-50 Yrs 9 Mon 14 Days

Sex :-Female



Patient ID :-12222425 Date :- 12/11/2022

Ref. By Doctor:-BANK OF BARODA Lab/Hosp :-

Mr.MEDIWHEEL Company :-

Final Authentication: 13/11/2022 09:01:08

09:50:45

## **CLINICAL PATHOLOGY**

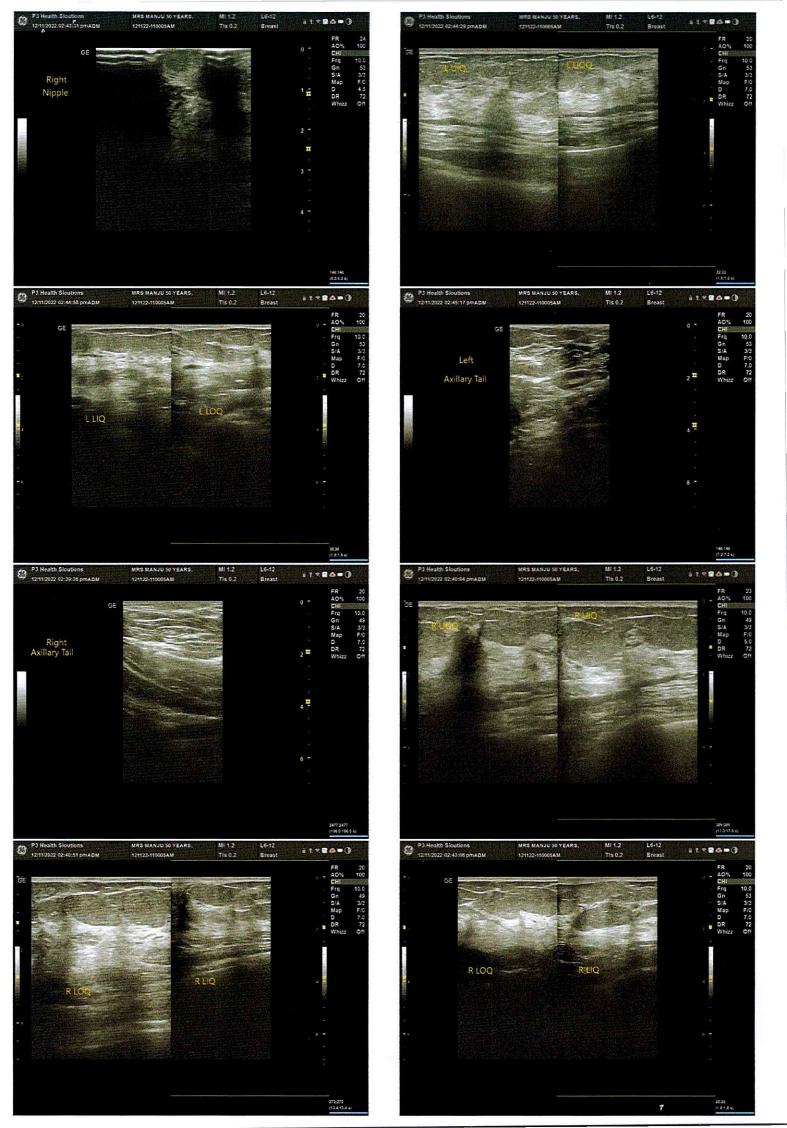
Test Name	Value	Unit	Biological Ref Interval
Urine Routine		*	
PHYSICAL EXAMINATION			
COLOUR	Watery		PALE YELLOW
APPEARANCE	Clear		Clear
CHEMICAL EXAMINATION			
REACTION(PH)	5.0		5.0 - 7.5
SPECIFIC GRAVITY	1.015		1.010 - 1.030
PROTEIN	NIL	A.	NIL
SUGAR	NIL		NIL
BILIRUBIN	NEGATIV	E	NEGATIVE
UROBILINOGEN	NORMAL		NORMAL
KETONES	NEGATIV	E	NEGATIVE
NITRITE	NEGATIV	E	NEGATIVE
MICROSCOPY EXAMINATION		No.	
RBC/HPF	NIL	/HPF	NIL
WBC/HPF	2-3	/HPF	2-3
EPITHELIAL CELLS	2-3	/HPF	2-3
CRYSTALS/HPF	ABSENT		ABSENT
CAST/HPF	ABSENT		ABSENT
AMORPHOUS SEDIMENT	ABSENT		ABSENT
BACTERIAL FLORA	ABSENT		ABSENT
YEAST CELL	ABSENT		ABSENT
OTHER	ABSENT	14.23/11.00	

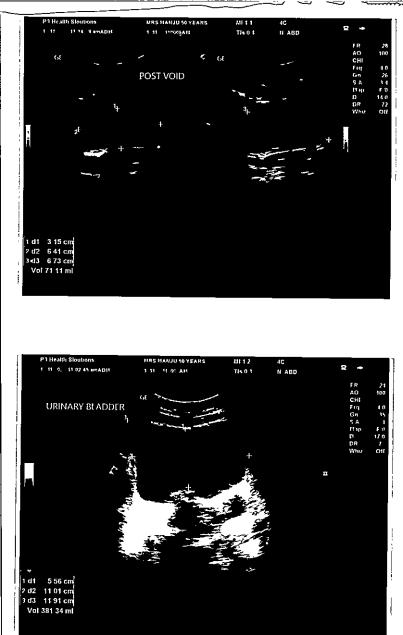
VIKARANTJI

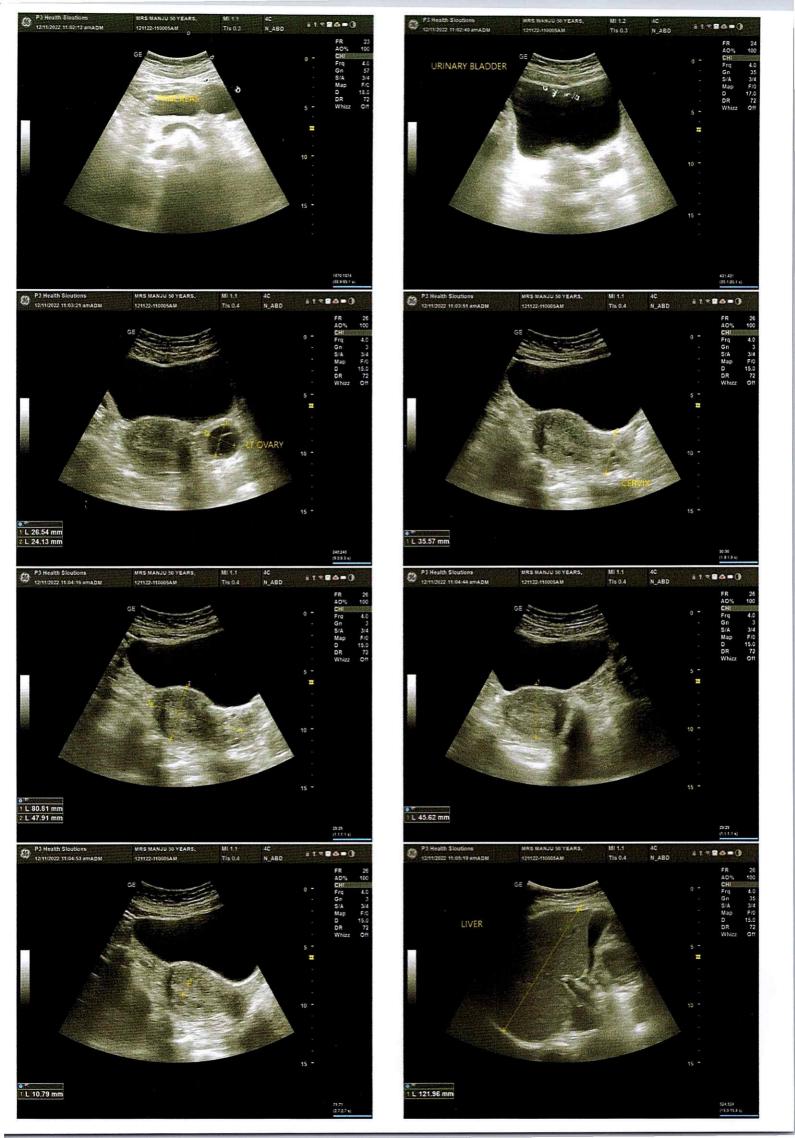
**Technologist** 

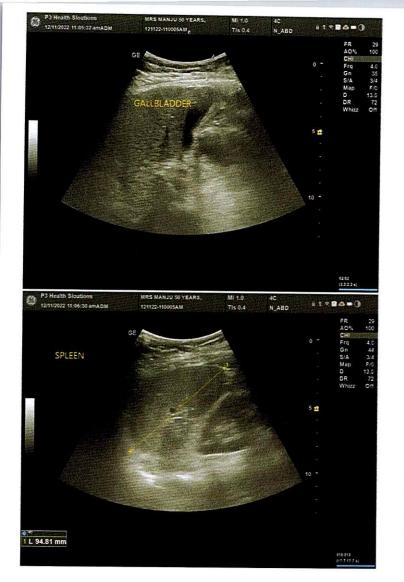
Page No: 12 of 16

DR.TANU RUNGTA













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MRS. MANJU	50 Y/Female
Registration Date: 12/11/2022	Ref By: BANK OF BARODA

## Ultrasonography report: Breast and Axilla

## Right breast:-

Skin, subcutaneous tissue and retroareolar region is normal.

Fibro glandular tissue shows normal architecture and echotexture.

Pre and retro mammary regions are unremarkable.

No obvious cyst, mass or architectural distortion visualized.

Axillary lymph nodes are not significantly enlarged and their hilar shadows are preserved.

## Left breast:-

Skin, subcutaneous tissue and retroareolar region is normal.

Fibro glandular tissue shows normal architecture and echotexture.

Pre and retro mammary regions are unremarkable.

No obvious cyst, mass or architectural distortion visualized.

Axillary lymph nodes are not significantly enlarged and their hilar shadows are preserved.

IMPRESSION: No significant abnormality is detected.



**DR.SHALINI GOEL** 

M.B.B.S, D.N.B (Radiodiagnosis)

RMC No: 21954

© +91 141 4824885 € maxcarediagnostics1@gmail.com

MRS. MANJU JI	Age: 50 Y/F
Registration Date: 12/11/2022	Ref. by: BANK OF BARODA

## **ULTRASOUND OF WHOLE ABDOMEN**

**Liver** is of normal size (12.1 cm). Echo-texture is normal. No focal space occupying lesion is seen within liver parenchyma. Intra hepatic biliary channels are not dilated. Portal vein diameter is normal.

**Gall bladder** is of normal size. Wall is not thickened. No calculus or mass lesion is seen in gall bladder. Common bile duct is not dilated.

Pancreas is of normal size and contour. Echo-pattern is normal. No focal lesion is seen within pancreas.

Spleen is of normal size and shape (9.4 cm). Echotexture is normal. No focal lesion is seen.

**Kidneys** are normally sited and are of normal size and shape. Cortico-medullary echoes are normal. No focal lesion is seen. Collecting system does not show any dilatation or calculus.

Right kidney is measuring approx. 9.8 x 3.9 cm.

**Left kidney** is measuring approx. 10.2 x 4.5 cm.

Urinary bladder shows mild circumferential mucosal wall thickening (measuring approx. 3.2-3.3 mm) — possibility of cystitis.

Prevoid: 381 cc Postvoid: 71-72 cc (significant)

**Uterus** is anteverted and normal in size (measuring approx. 8.0 x 4.7 x 4.5 cm). Myometrium shows normal echo -pattern. No focal space occupying lesion is seen. Endometrial echo is normal. Endometrial thickness is 10.7 mm.

Both ovaries are visualized and are normal. Follicular cyst of size 26 x 24 mm is noted in left ovary.

Multiple tiny nabothian cysts are noted in cervix with bulky cervix (35-36 mm) - chronic cervicitis.

No enlarged nodes are visualized. No retro-peritoneal lesion is identified. No significant free fluid is seen in pouch of Douglas.

## **IMPRESSION:**

- Mild circumferential mucosal wall thickening in urinary bladder with significant postvoid urine retention as described above. <u>Adv: Urine R/M correlation to rule out</u> cystitis.
- Chronic cervicitis as described above.

Dr. SHALINI GOEL
MBBS, DNB (Radiologist)
RMC No. 21954
P-3 Health Solutions LLP



(ASSOCIATES OF MAXCARE DIAGNOSTICS)

 B-14, Vidhyadhar Enclave - II, Near Axis Bank Central Spine, Vidhyadhar Nagar, Jaipur - 302023



NAME:	MRS. MANJU	AGE	50 YRS/F
REF.BY	BANK OF BARODA	DATE	12/11/2022

## **CHEST X RAY (PA VIEW)**

Bilateral lung fields appear clear.

Bilateral costo-phrenic angles appear clear.

Cardiothoracic ratio is normal.

Thoracic soft tissue and skeletal system appear unremarkable.

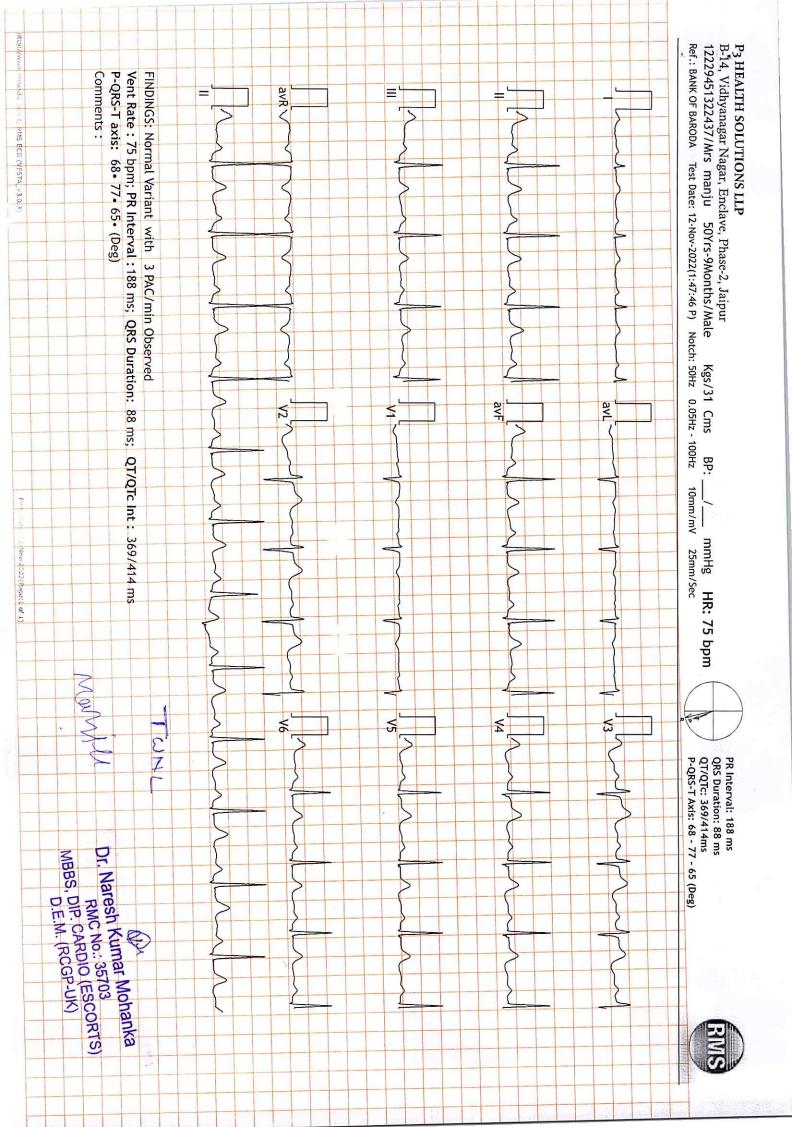
Soft tissue shadows appear normal.

IMPRESSION: No significant abnormality is detected.



DR.SHALINI GOEL M.B.B.S, D.N.B (Radiodiagnosis)

RMC No.: 21954



Summary

B-14, Vidhyadhar Nagar Enclave, Phase -2, Jaipur

1322225/MR MANJU 50 Yrs/Female 0 Kg/0 Cms

Stage 1 PeakEx ExStart Supine Findings: ₹ Recovery Recovery Stage Objective: Advice/Comments: Recovery Recovery Standing Date: 12-Nov-2022 01:54:10 PM Ref.By: BANK OF BARODA Max HR Attained **Exercise Time** Max WorkLoad attained :7.1(Fair Effort Tolerance Max BP : 155/90(mmHg) StageTime PhaseTime Speed 2:00 3:01 3:00 2:57 ... コスコ 5:58 3:02 Us Negative Love T :161 bpm 95% of Max Predictable HR 170 Grade 0.0 12.0 10.0 1.0 1.0 1.0 METS 7.0 1.0 .0 H.R. 02 129 61 147 92 93 78 (mdq 90 90 Protocol : BRUCE History : 145/85 155/90 125/85 145/85 135/85 125/85 125/85 135/85 145/85 125/85 В. Р. Mon R.P.P. ψ 233 97 ×100 21 98 15 58 87 12 16 PVC Comments MBBS, DIP. CARDIO (ESCORTS) Dr. Naresh Kumar Mohanka PreEx V2 1.7 PeakEx ¥2 1.0 D.E.M. (RCGP-UK) RMC No.: 35703 V2 MANNAMA ٧6 V5 WALLAND S 11 my mayor Mynn Jan II ----3 Jum 6 0.5 mm/Div 9 12 5 18 21 Min.

rmsindia.com & RMS Strass\*

