

वैक ऑफ़ बड़ोदा Bank of Baroda

नाम : ललित कुमार Name : Lalit Kumar

कर्मचारी कूट क.: 122553 E.C. No. :

Issuing Authority

जारीकर्ता प्राधिकारी



धारक के हस्ताक्षर Holder's Signature

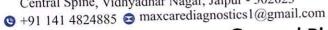
Dr. U. C. GUPTA MBBS, MD (Physician) RMC No. 281

If found please return to: Asst. General Manager (Security) Bank of Baroda, Baroda Corporate Centre, C-26, G-Block, Bandra-Kural Complex, Mumbai-4000 051 Phone: 91 22 6698 5196 Fax: 91 22 2652 5747

मिलने पर निम्नलिखित को लौटायें : सहायक महाप्रबंधक (सुरक्षा) बैंक ऑफ बडौदा, बडौदा कॉरपोरेट सेन्टर, सी-26,जी-ब्लाक, बाद्रा-कुर्ला कॉम्प्लेक्स, मुम्बई-400051 फोन नंवर : 91 22 6698 5196 फैक्स : 91 22 2652 5747

Blood Group B+







General Physical Examination

Date of Examination: 28/0/12023
Name: <u>CALIT KUMAR</u> Age: <u>30</u> DOB: <u>30/08/1992</u> Sex: <u>MAKE</u>
Referred By: BANK OF BARODA
Photo ID: EMPloYEE ID ID#: 122553
Ht: $(\&\&)$ (cm) Wt: (Kg)
Chest (Expiration): 122 (cm) Abdomen Circumference: 127 (cm)
Chest (Expiration): 122 (cm) Abdomen Circumference: 127 (cm) Blood Pressure: 120 1 80 mm Hg PR: 78 / min RR: 18 / min Temp: Afenda
BMI
Eye Examination: RIE 7 6/6, N/6, NCB UE 6/6, N/6, NCB
Other:
On examination he/she appears physically and mentally fit: Yes / No
Signature Of Examine: MRS. LALIT KUMAR
Signature Medical Examiner: Name Medical Examiner Do. U.C. Guple
Dr. U. C. GUPTA MBBS, MD (Physician) RMC No. 291



NAME:- Mr. LALIT KUMAR

Age:- 30 Yrs 5 Mon

Sex :- Male

Patient ID :-12222951 Date :- 28/01/2023

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company:- Mr.MEDIWHEEL

Final Authentication: 28/01/2023 16:24:42

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
FULL BODY HEALTH CHECKUP BELOW 40	MALE		
	IVIALL		
HAEMOGARAM	74.704.047	- 132	
HAEMOGLOBIN (Hb)	15.2	g/dL	13.0 - 17.0
TOTAL LEUCOCYTE COUNT	7.90	/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)	4.94	x10^6/uL	4.50 - 5.50
HEMATOCRIT (HCT)	46.40	%	40.00 - 50.00
MEAN CORP VOLUME (MCV)	94.0	fL	83.0 - 101.0
MEAN CORP HB (MCH)	30.8	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	32.7	g/dL	31.5 - 34.5
PLATELET COUNT	283	x10^3/uL	150 - 410
RDW-CV	13.6	%	11.6 - 14.0
MENTZER INDEX	19.03 H	ss a nargan's averall health on	0.00 - 0.00

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,

MGR

Technologist Page No: 1 of 15 DR.TANU RUNGTA MD (Pathology) RMC No. 17226

This report is not valid for medico legal purpose



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HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR)

09

mm in 1st hr

00 - 15

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 15



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BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
FASTING BLOOD SUGAR (Plasma) Methord:- GOD POD	110.0	mg/dl	70.0 - 115.0
Impaired glucose tolerance (IGT)	[1	11 - 125 mg/dL	
Diabetes Mellitus (DM)	>	> 126 mg/dL	

Instrument Name: HORIBA CA60 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.

BLOOD SUGAR PP (Plasma) Methord:- GOD PAP 97.5

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.

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Technologist

Page No: 4 of 15

DR.TANU RUNGTA



Age :-Sex :- 30 Yrs 5 Mon

Male

Patient ID: -12222951

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HAEMATOLOGY

Test Name Value Unit **Biological Ref Interval**

GLYCOSYLATED HEMOGLOBIN (HbA1C)

Methord:- CAPILLARY with EDTA

5.2

mg%

MEAN PLASMA GLUCOSE

Methord:- Calculated Parameter

106

mg/dL

0 - 140

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]

1. Erythropoiesis

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.

3. Glycation

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.

Advised:

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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Page No: 5 of 15

DR.TANU RUNGTA



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HAEMATOLOGY

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



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Technologist Page No: 6 of 15



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Age :-Sex :- 30 Yrs 5 Mon

Male

Mr.MEDIWHEEL

BIOCHEMISTRY

DIOCHEMISTRI			
Test Name	Value	Unit	Biological Ref Interval
LIPID PROFILE			
TOTAL CHOLESTEROL Methord:- CHOD-PAP methodology	149.00	mg/dl	Desirable <200 Borderline 200-239 High> 240
InstrumentName:MISPA PLUS Interpretation disorders.	: Cholesterol measurements	s are used in the diagnosis a	and treatments of lipid lipoprotein metabolism
TRIGLYCERIDES Methord:- GPO-TOPS methodology	122.00	mg/dl	Normal <150 Borderline high 150-199 High 200-499 Very high >500
InstrumentName:MISPA PLUS Interpretation metabolism and various endocrine disorders e.g. di			and treatment of diseases involving lipid
DIRECT HDL CHOLESTEROL	64.00	mg/dl	Male 35-80

Methord:- Selective inhibition Method

mg/ai

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	64.67	mg/dl	Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189 Very High > 190
VLDL CHOLESTEROL Methord:- Calculated	24.40	mg/dl	0.00 - 80.00
T.CHOLESTEROL/HDL CHOLESTEROL RATIO Methord:- Calculated	2.33		0.00 - 4.90
LDL / HDL CHOLESTEROL RATIO Methord:- Calculated	1.01		0.00 - 3.50
TOTAL LIPID	477.67	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 MGR

Technologist

Page No: 7 of 15

Methord:- CALCULATED



30 Yrs 5 Mon Age :-

Sex :-Male



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BIOCHEMISTRY

LIVER	PROFILE	WIIH	GGI

SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo	0.63	mg/dL	Infants : 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo	0.24	mg/dL	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	0.39	mg/dl	0.30-0.70
SGOT Methord:- IFCC	24.9	U/L	Men- Up to - 37.0 Female - Up to - 31.0
SGPT Methord:- IFCC	39.6	U/L	Men- Up to - 40.0 Female- Up to - 31.0
SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE	124.00	U/L	80.00 - 306.00

InstrumentName: MISPA PLUS Interpretation: Measurements of alkaline phosphatase are of use in the diagnosis, treatment and investigation of hepatobilary disease and in bone disease associated with increased osteoblastic activity. Alkaline phosphatase is also used in the diagnosis of parathyroid and intestinal disease.

SERUM GAMMA GT

Methord:- Szasz methodology Instrument Name Randox Rx Imola

17.20

U/L

10.00 - 45.00

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 infectious hepatitis.

Interpretation: Elevations in GGT levels are seen earlier and more pronounced than those with other liver enzymes in cases of obstructive jaundice and

SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent	5.60 g/dl	5.10 - 8.00
SERUM ALBUMIN Methord:- Bromocresol Green	3.85 g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	1.75 L gm/dl	2.20 - 3.50
A/G RATIO	2.20	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 15

Janu



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BIOCHEMISTRY

RFT / KFT WITH ELECTROLYTES

SERUM UREA Methord:- Urease/GLDH 17.10

mg/dl

10.00 - 50.00

InstrumentName: HORIBA CA 60 Interpretation: Urea measurements are used in the diagnosis and treatment of certain renal and metabolic

SERUM CREATININE Methord:- Jaffe's Method

1.37

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. SERUM URIC ACID

5.76

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

132.5 L

mmol/L

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

4.30

mmol/L

3.50 - 5.10

Methord:- Ion-Selective Electrode with Serum A. Elevated potassium (hyperkalaemia). Artefactual, Physiologidal vation, Drugs, Pathological 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

Methord:- Ion-Selective Electrode with Serum Interpretation: Used for Electrolyte monitoring. 102.8

mmol/L

98.0 - 107.0

SERUM CALCIUM

11.00

mg/dl

8.10 - 11.50

InstrumentName: Rx Daytona 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 MGRord:- Direct Biuret Reagent

5.60 3.85 g/dl

5.10 - 8.00

SERUM ALBUMIN Methord:- Bromocresol Green

g/dl

DR.TANU RUNGTA

MD (Pathology) RMC No. 17226

Technologist Page No: 10 of 15



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BIOCHEMISTRY

SERUM GLOBULIN Methord:- CALCULATION

1.75 L

gm/dl

2.20 - 3.50

A/G RATIO

2.20

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.

INTERPRETATION

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-hourcollections 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.



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Page No: 11 of 15

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TOTAL THYROID PROFILE

IMMUNOASSAY

Test Name	Value	Unit	Biological Ref Interval
THYROID-TRIIODOTHYRONINE T3 Methord:- ECLIA	1.17	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, simpultaneous 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 microsomal 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 Tertiary hypothyroidism

7.Primary hypothyroidism is accompanied by 1 serum T3 and T4 values & "serum T5H levels.Normal T4 levels accompanied by "T3 levels and low T5H are seen in patients with T3 Thyrotoxicosis9.Normal or T3 & "10.Normal T3 & T4 along with "T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .11.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .12.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .12.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .12.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .13.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .13.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .13.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .13.Normal T4 & "T4 along w

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 clinical colonium and associated results are invalidated if the clinical colonium and associated results are invalidated if the clinical colonium and associated results are invalidated if the clinical normal hyroid test findings often found in critically in 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 part of 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 part of 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 part of 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 part of the critical nature of the condition is resolved. TSH is an important marker for the diagnosis of thyroid dysfunction.

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 microsomal 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 Tertiary hypothyroidism

7.Pinnary hypothyroidism is accompanied by 1 serum T3 and T4 values & 'serum T5H levels Accompanied by 'T3 levels and low T5H are seen in patients with T3 Thyrotoxicosis9.Normal or 'T3 & 'T 10.Normal T3 & T4 along with 'T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H is seen in Hypothyroidism .12.Normal T3 & T4 levels with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H is seen in Hypothyroidism .12.Normal T3 & T4 levels with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H is seen in Hypothyroidism .12.Normal T3 & T4 levels with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .12.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3 & 'T4 along with 'T5H indicate Mild / Subclinical Hypothyroidism .11.Normal T3

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 uIU/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 4.200

uIU/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 differantial diagnosis

MTERPRETATION-Ultra Sensitive 4th generation assay

ary hyperthyroidism is accompanied by †serum T3 & T4 values along with ‡ TSH level.

Technologist Page No: 14 of 15 DR.TANU RUNGTA MD (Pathology) RMC No. 17226

Janu



+91 141 4824885 maxcarediagnostics1@gmail.com

30 Yrs 5 Mon Age :-

Sex :-Male

Patient ID: -12222951

Date :- 28/01/2023

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 28/01/2023 16:24:42

IMMUNOASSAY

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 microsomal antibody increased seen in patients with Hashimotos thyroiditis

S-HighTSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with Iodine deficiency/Congenital T4 synthesis deficiency 6.Low TSH,Low FT4 and TRH stimulation test -Delayed response seen in patients with Tertiary hypothyroidism

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 & fserum TSH levels
8.Normal T4 levels accompanied by 1 T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis
9.Normal or 1 T3 & 174 levels indicate T4 Thyrotoxicosis (problem is conversion of T4 to T3)
10.Normal T3 & T4 along with 1 TSH indicate mild / Subclinical Hyperthyroidism .

11.Normal T3 & 1 T4 along with 1 TSH indicate Mild / Subclinical Hypothyroidism .

12.Normal T3 & T4 levels with 1 TSH indicate Mild / Subclinical Hypothyroidism .

13.Slightly 1 T3 levels may be found in pregnancy and in estrogen therapy while 1 levels may be encountered in severe illness , malnutrition , renal failure and during therapy with druns like propanole.

14.Although † TSH levels are nearly always indicative of Primary Hypothroidism ,rarely they can result from TSH secreting pituitary tumours.

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 ull I/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.

*** End of Report ***

MGR

Technologist Page No: 15 of 15



(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

© +91 141 4824885 ⋒ maxcarediagnostics1@gmail.com
NAME :- Mr. LALIT KUMAR

Age :-30 Yrs 5 Mon

Sex :-Male



Patient ID :-12222951

Date :- 28/01/2023

10:13:17

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp:-

Company :-

Mr.MEDIWHEEL

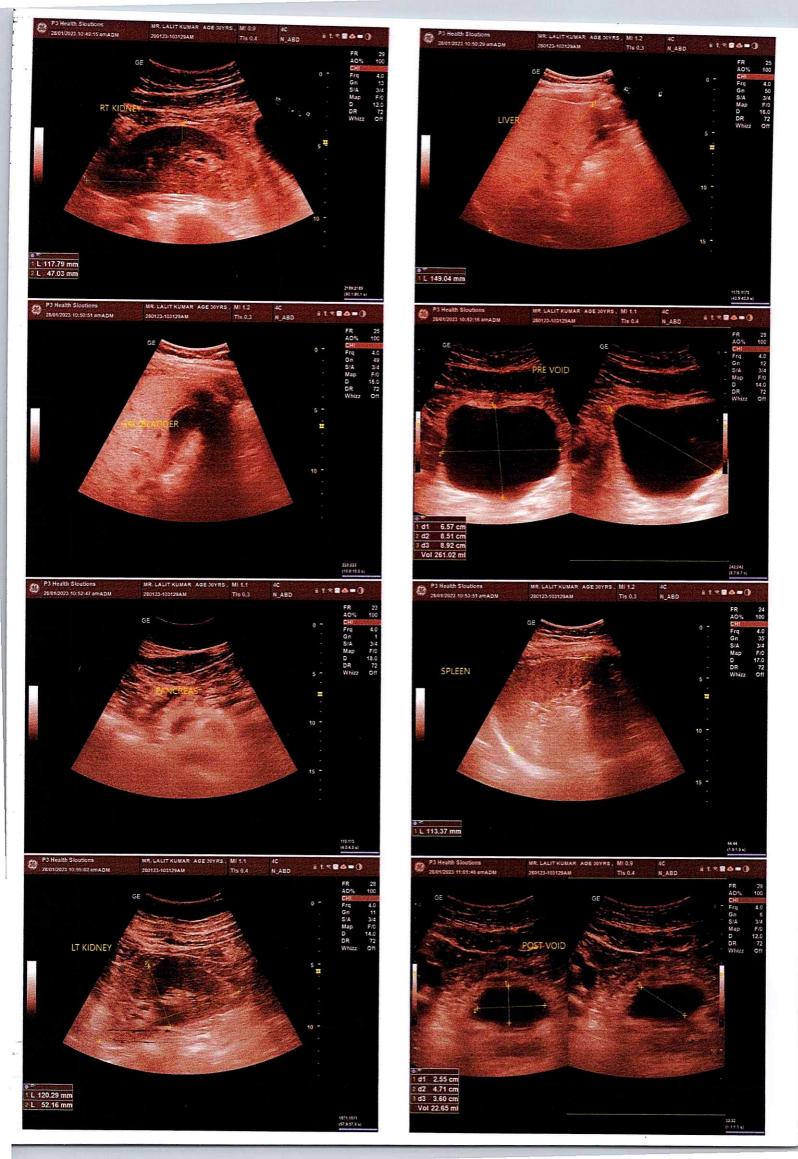
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CLINICAL PATHOLOGY

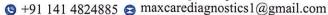
Test Name	Value	Unit	Biological Ref Interval
Urine Routine			
PHYSICAL EXAMINATION	w	* 0.00	BALENERA OW
COLOUR	PALE YEL	LOW	PALE YELLOW
APPEARANCE	Clear		Clear
CHEMICAL EXAMINATION	()		
REACTION(PH)	5.5		5.0 - 7.5
SPECIFIC GRAVITY	1.010		1.010 - 1.030
PROTEIN	NIL		NIL
SUGAR	NIL		NIL
BILIRUBIN	NEGATIV	E	NEGATIVE
UROBILINOGEN	NORMAL		NORMAL
KETONES	NEGATIV	E A	NEGATIVE
NITRITE	NEGATIV	E	NEGATIVE
MICROSCOPY EXAMINATION			
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	HEAVE THE PROPERTY OF THE PARTY	

MGR

Technologist Page No: 12 of 15 DR.TANU RUNGTA









MR. LALIT KUMAR	30 Y/Male
Registration Date: 28/01/2023	Ref. by: BANK OF BARODA

ULTRASOUND OF WHOLE ABDOMEN

Liver is of normal size (14.9 cm). **Echotexture is increased obscuring periportal echogenicity.** 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 well distended. 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 (11.3 cm). Echotexture is normal. No focal lesion is seen.

Right kidney is noted in right pelvic region, adjacent to right lateral wall of urinary bladder, measuring approx. 11.7 x 4.7 cm with hilum facing anteromedially – <u>suggestive of ectopic right kidney</u>. Cortico-medullary echoes are normal. Collecting system does not show any calculus or dilatation.

<u>Left kidney</u> is measuring approx. 12.0 x 5.2 cm. Cortico-medullary echoes are normal. Collecting system does not show any calculus or dilatation.

Urinary bladder does not show any calculus or mass lesion.

Prevoid: 261 mL Postvoid: 22-23 mL (not significant)

Prostate is normal in size with normal echotexture and outline.

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

IMPRESSION:

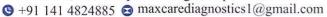
- · Grade 2 fatty liver.
- · Ectopic right kidney as described above.



DR.SHALINI GOEL

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







NAME:	MR. LALIT KUMAR	AGE	30 YRS/M
REF.BY	BANK OF BARODA	DATE	29/01/2023

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.

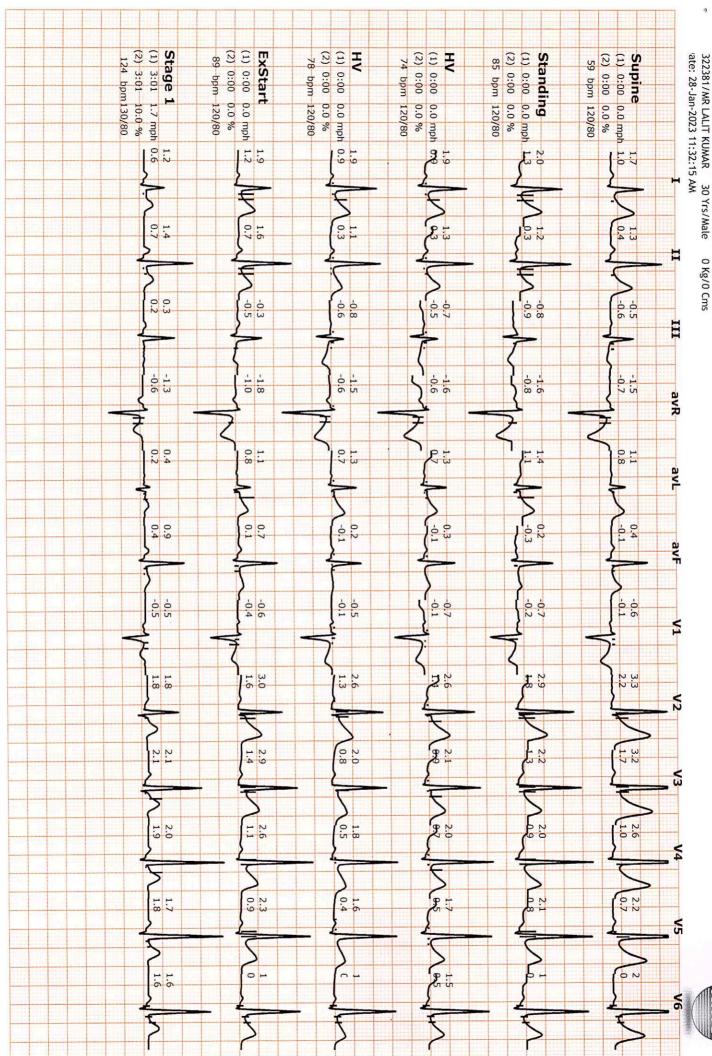
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DR.SHALINI GOEL M.B.B.S, D.N.B (Radiodiagnosis) RMC No.: 21954

3 HEALIH SOLUTIONS LLF 3-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur 12,229451322919/Mr Lalit Kumar 30Yrs/Male lef.: BANK OF BARODA Comments : P-QRS-T axis: 35 · 41 · 24 · (Deg) Vent Rate: 56 bpm; PR Interval: 164 ms; QRS Duration: 76 ms; QT/QTc Int: 372/362 ms FINDINGS: Abnormal ECG with Indication of Sinus Bradycardia avR = Test Date: 28-Jan-2023(11:29:50) Notch: 50Hz 0.05Hz - 100Hz Kgs/ Cms avF 5 \leq BP: mmHg 10mm/mV 25mm/Sec HR: 56 bpm Bospelline since bethy cardia 6 5 **∠**4 **≾**3 QRS Duration: 76 ms QT/QTc: 372/362ms P-QRS-T Axis: 35 - 41 - 24 (Deg) PR Interval: 164 ms RMC No.: 35703
RMC No.: 35703
D.E.M. (RCGP+UK) Dr. Naresh Kumar Mohanka F

73 HEALTH SOLUTIONS LLP B-14, Vidhyadhar Nagar Enclave, Phase -2, Jaipur 1322381/MR LALIT KUMAR 30 Yrs/Male 0 Kg/0 Cms Date: 28-JAN 2023 11:32:15 AM Date: 28-JAN 2023 11:32:15 AM

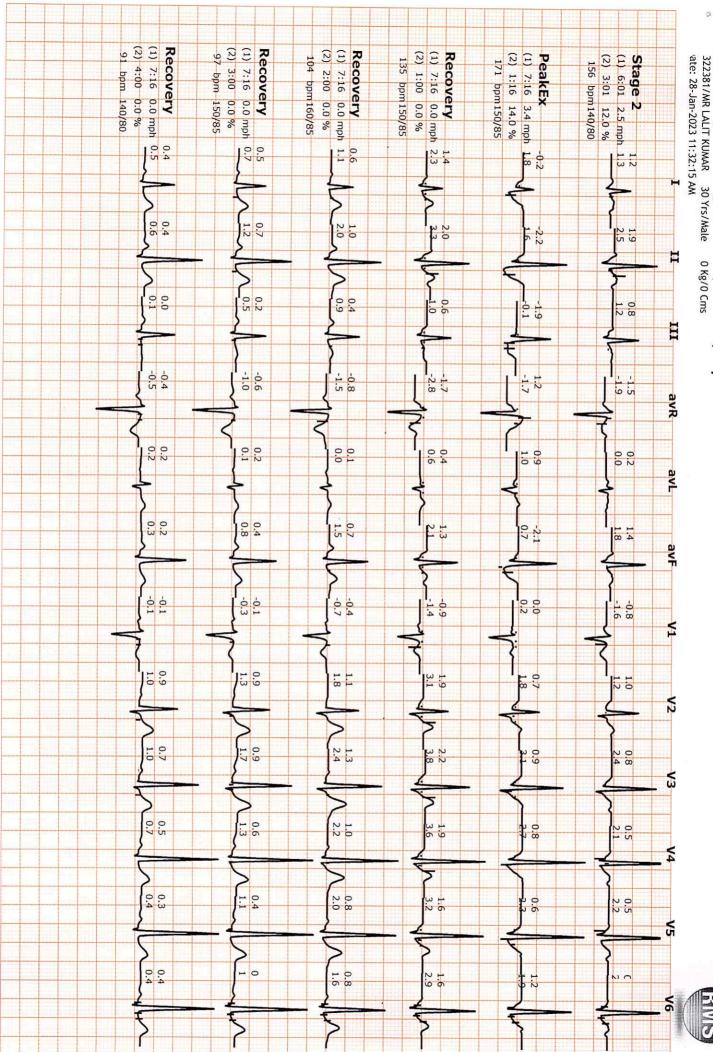
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Protocol : BRUCE History : History : Maintenance METS H.R. B.P. R.P.P. PVC Comments Maintenance METS H.R. B.P. R.P.P. PVC Comments Maintenance METS H.R. B.P. R.P.P. PVC Comments 1.0	### Proceed : ##################################	ents:		orkLoad atta	: 160/85(1	Attained	e Time			4:00	3:00	2:00	1:00	1:16	3:01	3:01						tageTime F		OZ3 11:32:15 A
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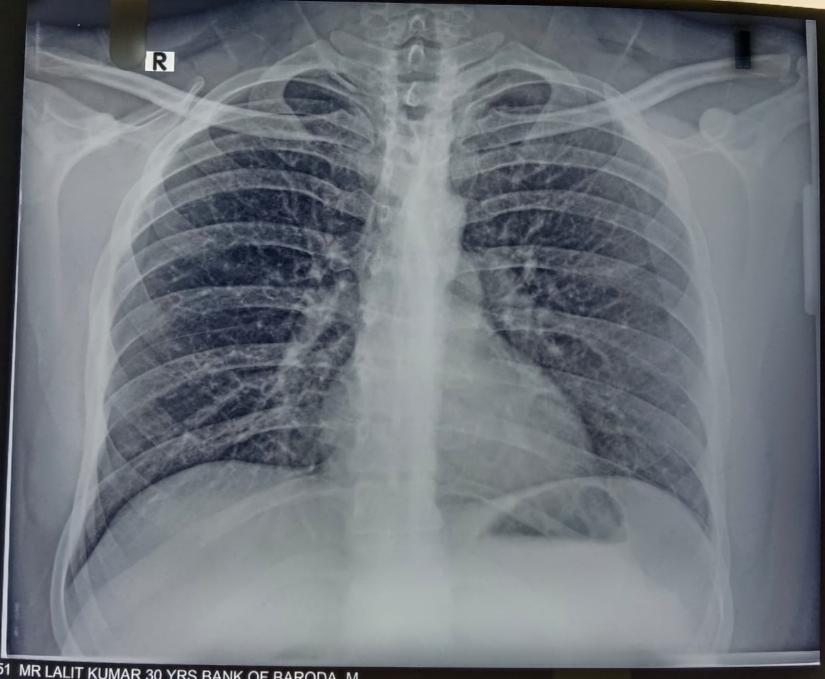


Average

P3 HEALIH SOLUTIONS LLP

3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur
322381/MR LALIT KUMAR 30 Yrs/Male 0 Kg/0 Cms
ate: 28-Jan-2023 11:32:15 AM





12222951 MR LALIT KUMAR 30 YRS BANK OF BARODA M 28.JAN.2023 MAXCARE DIAGNOSTIC (ASSOCIATES OF P3 HEALTH SOLUTIONS LLP)

