

Dr. U. C. GUPTA MBBS, MD (Physician) RMC No. 291 Dr. U. C. GUPTA. M885, Mp. (Physician) RMC 40, 291







(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

Signature Of Examine: ---

Signature Medical Examiner:

⊕ +91 141 4824885 maxcarediagnostics1@gmail.com



General Physical Examination

Date of Examination: 29 10 2021

Name: Alok SHARMA Age: 76 DOB: 05-06-1985 sex: Mall

Referred By: BANK Of BARODA

Photo ID: D2 ID #: RJ 23203002/3&1

Ht: 170 (cm) Wt: 12 (kg)

Chest (Expiration): 96 (cm) Abdomen Circumference: 90 (cm)

Blood Pressure: 122/80 mm Hg PR: 72/min RR: 18 /min Temp: Alconic

BMI QU-9.

With Closs of the control of the con

Name of Examinee: AOK SHARMA

Name Medical Examiner

Dr. U.C. Gruptes

Dr. U. C. GUPTA MBBS, MD (Physician) RMC No. 291



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NAME :- Mr. ALOK SHARMA

36 Yrs 4 Mon 19 Days Age :-

Sex :-Male

Patient ID: -12222302 Date :- 22/10/2022

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp:-

Company :-

Mr.MEDIWHEEL

Final Authentication: 22/10/2022 17:45:39

# **HAEMATOLOGY**

Test Name	Value	Unit	<b>Biological Ref Interval</b>
FULL BODY HEALTH CHECKUP BELOW 40	MALE		
A SANGERS COME AND A COMMENT OF THE PROPERTY O	IVIALL		
HAEMOGARAM	200000000	Boston	was ser susanser
HAEMOGLOBIN (Hb)	13.5	g/dL	13.0 - 17.0
TOTAL LEUCOCYTE COUNT	5.60	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHII	52.0	%	40.0 - 80.0
LYMPHOCYTE	40.0	%	20.0 - 40.0
EOSINOPHIL	3.0	%	1.0 - 6.0
MONOCYTE	5.0	%	2.0 - 10.0
BASOPHIL	0.0	%	0.0 - 2.0
TOTAL RED BLOOD CELL COUNT (RBC)	4.51	x10^6/uL	4.50 - 5.50
HEMATOCRIT (HCT)	42.30	%	40.00 - 50.00
MEAN CORP VOLUME (MCV)	94.0	fL	83.0 - 101.0
MEAN CORP HB (MCH)	29.9	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	31.9	g/dL	31.5 - 34.5
PLATELET COUNT	269	x10^3/uL	150 - 410
RDW-CV	13.4	%	11.6 - 14.0
MENTZER INDEX A complete blood picture (CBP) is a kind of blood test	20.84 H	ss a person's overall health a	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: -

(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,

**ADIYTA** 

**Technologist** 

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<sup>\*</sup>Red Blood Cells (RBC), which carry oxygen -

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

<sup>\*</sup>Hemoglobin, which is the oxygen carrying protein in the red blood cells -

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

<sup>\*</sup>Platelets, which aid in blood clotting



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# HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR)

33 H

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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(CBC): Methodology TLC, DLC Fluorescent Flow cytometry, HB SLS method, TRBC, PCV, PLT Hydrodynamically focused Impedance and MCH,MCV,MCHC,MENTZER INDEX are calculated, InstrumentName: Sysmex 6 part fully automatic analyzer XN-L,Japan



ADIYTA, VIKARANTJI

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NAME :- Mr. ALOK SHARMA

Age:- 36 Yrs 4 Mon 19 Days

Sex :- Male

Patient ID :-12222302

Date :- 22/10/2022

10:25:52

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

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### **BIOCHEMISTRY**

Test Name	Value	Unit	Biological Ref Interval
FASTING BLOOD SUGAR (Plasma) Methord:- GOD POD	108.0	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 neoplasm,

 $hyperthy roid is m\ and\ adrenal\ cortical\ hyper-function\ as\ well\ as\ other\ disorders. Decreased\ glucose\ levels (hypoglycemia)\ may\ result$ 

from excessive insulin

therapy or various liver diseases.

BLOOD SUGAR PP (Plasma)

Methord:- GOD PAP

134.0

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 16



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Sex :-Male Patient ID: -12222302

Date :- 22/10/2022

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# HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
GLYCOSYLATED HEMOGLOBIN (H Methord:- CAPILLARY with EDTA	1bA1C) 6.5	mg%	Non-Diabetic < 6.0 Good Control 6.0-7.0 Weak Control 7.0-8.0 Poor control > 8.0
MEAN PLASMA GLUCOSE	140 H	mg/dL	68 - 125

### INTERPRETATION

Methord - Calculated Parameter

AS PER AMERICAN DIABETES ASSOCIATION (ADA) Reference Group HbA1c in % Non diabetic adults >= 18 years < 5.7 At risk (Prediabetes) 57 - 64 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 vita rur B12 deficiency, decreased erythropoiesis
- 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 investid nubnema, carbamylated hemoglobin, alcoholism, large doses of aspirin, chronic opiate use, chronic renal failure Decreased HbA1c investig giver demia, reticulocytosis, chronic liver disease, aspirin, vitamin C and E, splenomegaly, rheumatoid arthritis or drugs

# Note:

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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# **HAEMATOLOGY**

BLOOD GROUP ABO Methord:- Haemagglutination reaction POSITIVE



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# **BIOCHEMISTRY**

Test Name	Value	Unit	Biological Ref Interval
LIPID PROFILE TOTAL CHOLESTEROL	147.00	mg/dl	Desirable <200
Methord:- CHOD-PAP methodology		, O	Borderline 200-239 High> 240
InstrumentName: MISPA PLUS Interpretation: Chole disorders.	sterol measurement	s are used in the diagnosis a	nd treatments of lipid lipoprotein metabolism
TRIGLYCERIDES Methord:- GPO-TOPS methodology	110.00	mg/dl	Normal <150 Borderline high 150-199 High 200-499 Very high >500
I	The second second		(5)

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

52.00

mg/dl

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

76.67

mg/dl

Optimal <100 Near Optimal/above optimal 100-129

Borderline High 130-159 High 160-189

VLDL CHOLESTEROL

Methord: - Calculated

2.83

22.00

mg/dl

Very High > 190 0.00 - 80.00

T.CHOLESTEROL/HDL CHOLESTEROL RATIO

0.00 - 4.90

LDL / HDL CHOLESTEROL RATIO Methord:- Calculated

1.47

0.00 - 3.50

TOTAL LIPID

461.13

mg/dl

400.00 - 1000.00

- Methord:- CALCULATED 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 **ADIYTA** 

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# **BIOCHEMISTRY**

atherogenic lipoproteins (mainly LDL & VLDL). The Non HDL Cholesterolis used as a secondary target of therapy in persons with triglycerides  $\geq$ =200 mg/dL. The goal for Non HDL Cholesterol in those with increased triglyceride is  $\frac{30 \text{ mg/dL}}{200 \text{ mg/dL}}$  above that set for LDL Cholesterol.

2 -For calculation of CHD risk, history of smoking, any medication for hypertension & current B.P. levels are required.



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Sex :-Male

Age :-

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# **BIOCHEMISTRY**

LIVER PROFILE WITH GGT			
SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo	0.74	mg/dL	Infants: 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Methord: DMSO/Diazo	0.22	mg/dL	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	0.52	mg/dl	0.30-0.70
SGOT Methord:- IFCC	29.2	U/L	Men- Up to - 37.0 Female - Up to - 31.0
SGPT Methord:-IFCC	36.8	U/L	Men- Up to - 40.0 Female- Up to - 31.0
SERUM ALKALINE PHOSPHATASE Methord: - DGKC - SCE	72.40	U/L	53.00 - 141.00
SERUM GAMMA GT Methord: Szasz methodelogy Instrument Name Randox R. Imela Interpretation Elevations in GGT levels are seen earlier and more pronounced than tho	20.50	U/L s in cases of obstructive jaundice and	10.00 - 45.00
metastatic neoplasms. It may reach 5 to 30 times normal levels in intra-or post- hepatic biliary obstruction. Only productate elevations in the enzyme level (2 to 5 times	normal)are observed with	infectious hepatitis.	
SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent	7.54	g/dl	5.10 - 8.00
SERUM ALBUMIN Methord:- Bromocresol Green	4.01	g/dl	2.80 - 4.50
SERUM GLOBULIN Methord:- CALCULATION	3.53 H	gm/dl	2.20 - 3.50
A/G RATIO	1.14 📙		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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### BIOCHEMISTRY

RFT / KFT WITH ELECTROLYTES

SERUM UREA Methord:- Urease/GLDH 28.40

0.92

mg/dl

10.00 - 50.00

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

SERUM CREATININE Methord: - Jaffe's Method

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

4.19

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 - ISF

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

Methord:- ISE

5.32

mmol/L

3.50 - 5.50

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, Diarrhoca and vomiting, Metabolic alkalosis, Corticosteroid excess, Oedematous state, Anorexia nervosa/bulimia

CHLORIDE

102.0

mmol/L

94.0 - 110.0

Interpretation: Used for Electrolyte monitoring.

SERUM CALCIUM

Methord:- Arsenazo III Method

9.50

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

ADINOTA Direct Buret Reagent

7.54

g/dl

5.10 - 8.00

Janu

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# **BIOCHEMISTRY**

SERUM ALBUMIN

Methord: - Bromocresol Green

SERUM GLOBULIN Methord - CALCUL ATION

A/G RATIO

4.01

g/dl

2.80 - 4.50

gm/dl

2.20 - 3.50

1.14 L

3.53 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-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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# **CLINICAL PATHOLOGY**

URINE SUGAR (FASTING) Collected Sample Received

Nil

Nil



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### TOTAL THYROID PROFILE

# **IMMUNOASSAY**

Test Name	Value	Unit	Biological Ref Interval

THYROID-TRIIODOTHYRONINE T3

1.75

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 Tserum T3 & T4 values along with "TSH level. 2. Low TSH, high FT4 and TSH receptor antibody(TRAb) TSH LEVEL 35 a displayed with "TSH indicate mild / Subclinical Hypothyroidism. 11.Normal T3 & "T4 along with "TSH indicate mild / Subclinical Hypothyroidism. 12.Normal T3 & T4 levels and ISH receptor antibody (IRAb) -ve seen in patients with Graves disease 3.Low TSH, high FT4 and TSH receptor antibody (IRAb) -ve seen in patients with TSH coverage of the strength o

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. 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 **STATE OND THE CONTROL** 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 **STATE OND THE CONTROL** of the critical nature 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 **STATE OND THE CONTROL** of the critical nature 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 **STATE OND THE CONTROL** of the critical nature of the critical

NOTE-TSH levels are subject to diricardian 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 TSH receptor antibody increased seen in patients with Hashimotos thyroididits 5.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroididits 5.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroididis 5.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroididis 5.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroididis 5.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroididis 5.HighTSH,Low FT4 and Thyroididis of the seen in patients with Hashimotos thyroididis 5.HighTSH,Low FT4 and Thyroididis of the seen in patients with Hashimotos thyroididis 5.HighTSH,Low FT4 and Thyroididis of the seen in patients with Hashimotos thyroididis 5.HighTSH,Low FT4 and Thyroididis of the seen in patients with Hashimotos thyroididis of the seen in Hashimotos thyroididis of the seen in patients with Hashimotos the seen in Hashimotos the seen in patients with Hashimotos the seen in pati

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 conticosteroid 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 chical 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 depatable whether this is due to a real change with age or an increasing proportion of unrecognized thyroid disease in the elderly.

TSH Methord:- ECLIA 1.117

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

A INTERPRETATION-Ultra Serisitive 4th generation assay hyroidism is accompanied by (serum T3 & T4 values along with LTSH level.

**Technologist** 

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Janu MD (Pathology) RMC No. 17226



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

© +91 141 4824885 maxcarediagnostics1@gmail.com

NAME :- Mr. ALOK SHARMA

36 Yrs 4 Mon 19 Days Age :-

Sex :-Male

Patient ID: -12222302

Date :- 22/10/2022

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 22/10/2022 17:45:39

# **IMMUNOASSAY**

2.1 ow 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 adenomalToxic Multinodular goiter 4. HighTSH,Low FT4 and Th/roid microsomal antibody increased seen in patients with Hashimotos thyroiditis

5.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 simulation test -Delayed response seen in patients with Tertiary hypothyroidism.

7 Primary hypothyroidism is arctimparied by 1 serum T3 and T4 values & 1 serum T3H levels 8 Normal T4 levels accompaned by 1 T3 levels and low T5H are seen in patients with T3 Thyrotoxicosis 9.Normal or 1 T3 & 1 the levels indicate T4 Thyrotoxicosis (problem is conversion of T4 to T3)

10.Normal T3 & T4 along with | T5H indicate mild / Subclinical Hyperthyroidism .
11.Normal T3 & ‡ T4 along with † T5H is seen in Hypothyroidism .
12.Normal T3 & T4 levels with † T5H indicate Mild / Subclinical Hypothyroidism .

13.Slightly † 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 drugs like propanolol.

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 ullU/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 ult/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 \*

**ADIYTA** 

**Technologist** 

Page No: 16 of 16



(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

© +91 141 4824885 ⋈ maxcarediagnostics1@gmail.com

NAME :- Mr. ALOK SHARMA

Age:- 36 Yrs 4 Mon 19 Days

Sex :- Male

Patient ID :-12222302

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company:- Mr.MEDIWHEEL

Final Authentication: 22/10/2022 17:45:39

Date :- 22/10/2022

# **CLINICAL PATHOLOGY**

Test Name	Value	Unit	Biological Ref Interval
Urine Routine			
PHYSICAL EXAMINATION			
COLOUR	PALE YEI	LLOW	PALE YELLOW
APPEARANCE	Clear		Clear
<b>CHEMICAL EXAMINATION</b>			
REACTION(PH)	5.0		5.0 - 7.5
SPECIFIC GRAVITY	1.025		1.010 - 1.030
PROTEIN	NIL	NOTICE AND ADDRESS OF THE PARTY	NIL
SUGAR	(+)		NIL
BILIRUBIN	NEGATIV	E P	NEGATIVE
UROBILINOGEN	NORMAL		NORMAL
KETONES	NEGATIV	'E	NEGATIVE
NITRITE	NEGATIV	E /	NEGATIVE
MICROSCOPY EXAMINATION	(CERTIFICATION )		
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	Stillows	

ADIYTA

**Technologist** 

Page No: 12 of 16

Jane

DR.TANU RUNGTA

MD (Pathology) RMC No. 17226



⊕ +91 141 4824885 
 maxcarediagnostics1@gmail.com



NAME:	MR. ALOK SHARMA	AGE	36 YRS/M
REF.BY	BANK OF BARODA	DATE	22/10/2022

# **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.

Shallni

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



© +91 141 4824885 maxcarediagnostics1@gmail.com



MR. ALOK SHARMA	36 Y/Male
Registration Date: 22/10/2022	Ref. by: BANK OF BARODA

# **ULTRASOUND OF WHOLE ABDOMEN**

**Liver** is of normal size (13.3 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 (11.8 cm) and shape. Echotexture is normal. No focal lesion is seen.

**Kidneys** are normally sited and are of normal size and shape. Cortico-medullary echoes are normal. Collecting system does not show any calculus or dilatation.

**Right kidney** is measuring approx. 10.7 x 4.6 cm.

Left kidney is measuring approx. 12.0 x 5.2 cm.

Urinary bladder is partially distended and does not show any calculus or mass lesion.

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.

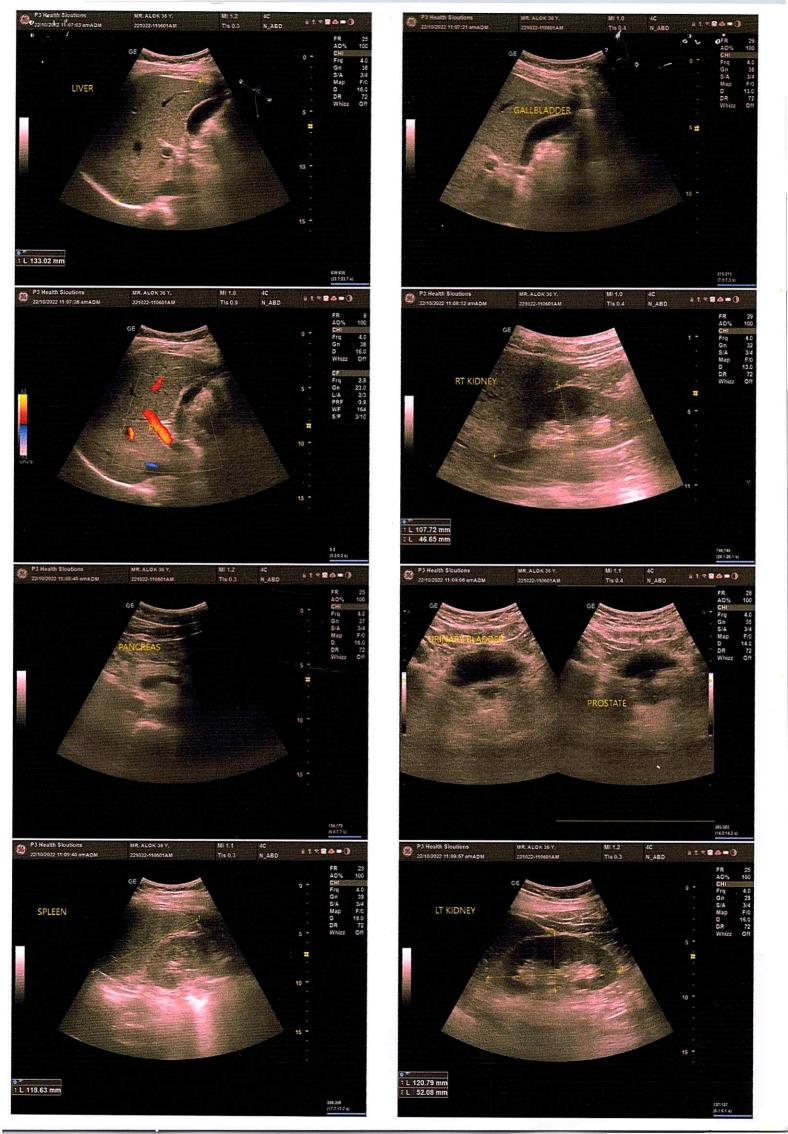
IMPRESSION: Normal Study.



DR.SHALINI GOEL

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

RMC no.: 21954



Ref.: BANK OF BARODA Test Date: 22-Oct-2022(11:28:50) Notch: 50Hz B-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur 12229451322316/Mr Alok Sharma 36Yrs-11Months/Male **P3 HEALTH SOLUTIONS LLP** Comments: P-QRS-T axis: 46.83.45. (Deg FINDINGS: Normal Sinus Rhythm Vent Rate: 68-bpm; PR Interval: 160 ms; QRS Duration: 110 ms; QT/QTc Int: 363/387 ms avR n 2 5 0.05Hz - 100Hz Kgs/ Cms ave avL **≤** 2 BP: 10mm/mV Print Date: 22-Oct-2022(Page:1 of 1) mmHg 25mm/Sec HR: 68 bpm **\**5 8 5 QRS Duration: 110 ms QT/QTc: 363/387ms P-QRS-T Axis: 46 - 83 - 45 (Deg) PR Interval: 160 ms JACK T D.E.M. (RC Naresh Kumart hanka RMC No.: 3

Summary

B-14, Vidhyadhar Nagar Enclave, Phase -2, Jaipur 1322168/mr ALOK SHARMA 36 Yrs/Male 0 Kg/0 Cms

1 1322168/MR ALOK SHARMA 36 Yrs/Male 0 K Date: 22-Oct-2022 11:31:03 AM Ref.By: BANK OF BARODA

Stage 1 PeakEx Stage 2 Standing Supine Advice/Comments: Findings: Recovery Recovery ExStart Stage Objective: Medication: Recovery Recovery Max WorkLoad attained :8.5(Fair Effort Tolerance) Max BP : 160/90(mmHg) Max HR Attained Exercise Time StageTime PhaseTime Speed 4:00 3:00 3:01 2:00 3:0 1:21 1:00 7:22 6:02 3:02 HTUNEgotine :07:21 :163 bpm 89% of Max Predictable HR 184 0.0 0.0 Grade 14.0 12.0 10.0 0.0 0.0 7.0 1.0 1.2 8.5 **METs** .0 01 14 (bpm) 129 63 44 93 69 22 66 8 Protocol : BRUCE 140/85 History: 150/90 160/90 150/85 150/85 140/80 120/80 120/80 130/80 120/80 120/80 (mmHg) Print Cote: 22-Oct-2022 R.P.P. 201 111 ×100 244 120 158 82 4 71 77 93 79 PVC Comments Dr. Naresh Wumar Mohanka 1 日日日 CARDIO (ESCORTS RMC No.: 35703 ■ PreEx -0.4 PeakEx = 0.2 2 avF avL avR 8 V5 morning **1**4 ₹ V2 ≡ Markenson - Maryon 3 6 9 0.5 mm/Div 2PR 12 15 18 21 Min







12222302 ALOK SHARMA M
22.OCT.2022
MAXCARE DIAGNOSTIC (ASSOCIATES OF P3 HEALTH SOLUTIONS LLP)