

UNION OF INDIA Driving Licence (RJ) (NT)
 RJ18 20100002338

जारी करने की तिथि / Date of Issue: 06/09/2010
 वैधता / Validity: 05/09/2030
 जन्म तिथि / Date of Birth: 05/07/1992
 Blood Group: Unknown

नाम / Name: SANJAY KUMAR SAINI
 पति/पति का नाम / Son/Daughter/Wife of: MAHESH KUMAR SAINI



Sanjay Kumar Saini

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

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जारी करने वाली अधिकारी / Issuing Authority Sign: DTO Jhunjhunu
 जारी करने की तिथि / Date of Issue: 06/09/2010

धारक की हस्ताक्षर / Holder's Signature: *Sanjay Kumar Saini*
 पता / Permanent Address: JHUNJHUNUN, JHUNJHUNUN, RJ - 333023
 BAGAR

Form 7 Rule 16(2)
 RJ18 20100002338
 MCWG LMY 06/09/2010
 D04204701M



B-14, Vidhyadhar Enclave - II, Near Axis Bank
Central Spine, Vidhyadhar Nagar, Jaipur - 302023
+91 141 4824885 maxcarediagnostics1@gmail.com

General Physical Examination

Date of Examination: 27/01/23

Name: SANTAY KUMAR SAINT Age: 30/YRS DOB: 05/07/1992 Sex: Male

Referred By: BANK OF BARODA

Photo ID: DRIVING LICENSE# RT18 20100002338

Ht: 177 (cm)

Wt: 71 (Kg)

Chest (Expiration): 99 (cm)

Abdomen Circumference: 88 (cm)

Blood Pressure: 140/88 mm Hg PR: 78 / min RR: 18 / min Temp: Afebrile

BMI 22

Eye Examination: RIE } GIG, NIG, NCB
LIE } GIG, NIG, NCB

Other: NO

On examination he/she appears physically and mentally fit: Yes / No

Signature Of Examinee : [Signature] Name of Examinee: SANTAY KUMAR SAINT

Signature Medical Examiner : [Signature] Name Medical Examiner: DR. U. C. GUPTA

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



P3 HEALTH SOLUTIONS LLP

(ASSOCIATES OF MAXCARE DIAGNOSTICS)



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NAME :- Mr. SANJAY KUMAR SAINI	Patient ID :-12222943	Date :- 27/01/2023	10:37:12
Age :- 30 Yrs 6 Mon 25 Days	Ref. By Doctor:-BANK OF BARODA		
Sex :- Male	Lab/Hosp :-		
	Company :- Mr.MEDIWHEEL		

Final Authentication : 27/01/2023 19:01:14

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
FULL BODY HEALTH CHECKUP BELOW 40 MALE			
HAEMOGARAM			
HAEMOGLOBIN (Hb)	16.3	g/dL	13.0 - 17.0
TOTAL LEUCOCYTE COUNT	6.30	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHIL	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)	5.32	$\times 10^6/uL$	4.50 - 5.50
HEMATOCRIT (HCT)	49.10	%	40.00 - 50.00
MEAN CORP VOLUME (MCV)	92.0	fL	83.0 - 101.0
MEAN CORP HB (MCH)	30.7	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	33.3	g/dL	31.5 - 34.5
PLATELET COUNT	210	$\times 10^3/uL$	150 - 410
RDW-CV	14.0	%	11.6 - 14.0
MENTZER INDEX	17.29	H	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,

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Page No: 1 of 15

DR.TANU RUNGTA
MD (Pathology)
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HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR)

Method:- Westergreen

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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Page No: 2 of 15

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BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
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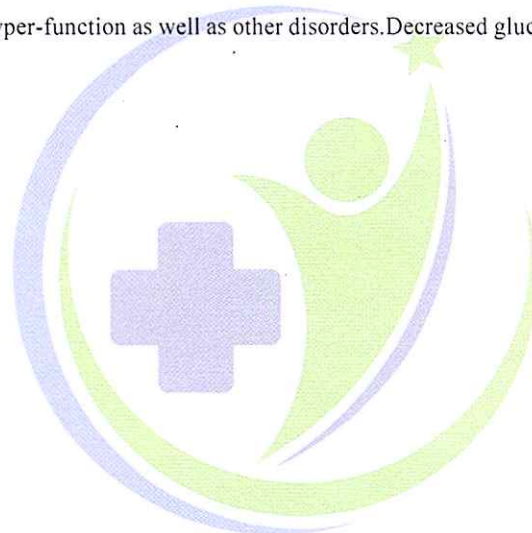
FULL BODY HEALTH CHECKUP BELOW 40 MALE

FASTING BLOOD SUGAR (Plasma)	91.4	mg/dl	70.0 - 115.0
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Method:- GOD POD

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, 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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Page No: 1 of 6

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HAEMATOLOGY

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

Method:- CAPILLARY with EDTA

5.0 mg%

Non-Diabetic < 6.0
Good Control 6.0-7.0
Weak Control 7.0-8.0
Poor control > 8.0

MEAN PLASMA GLUCOSE

Method:- Calculated Parameter

103 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]

1. Erythropoiesis

- Increased HbA1c: iron, vitamin B12 deficiency, decreased erythropoiesis.
- Decreased HbA1c: administration of erythropoietin, 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.

5. Others

- 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

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.

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

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HAEMATOLOGY

BLOOD GROUP ABO
Method:- Haemagglutination reaction

"A" POSITIVE



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Page No: 6 of 15

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BIOCHEMISTRY

LIPID PROFILE

TOTAL CHOLESTEROL	158.00	mg/dl	Desirable <200
Method:- CHOD-PAP methodology			Borderline 200-239
			High > 240

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

TRIGLYCERIDES	142.00	mg/dl	Normal <150
Method:- GPO-TOPS methodology			Borderline high 150-199
			High 200-499
			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	54.00	mg/dl	Male 35-80
Method:- Selective inhibition Method			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	80.33	mg/dl	Optimal <100
Method:- Calculated Method			Near Optimal/above optimal 100-129
			Borderline High 130-159
			High 160-189
			Very High > 190

VLDL CHOLESTEROL	28.40	mg/dl	0.00 - 80.00
Method:- Calculated			

T.CHOLESTEROL/HDL CHOLESTEROL RATIO	2.93		0.00 - 4.90
Method:- Calculated			

LDL / HDL CHOLESTEROL RATIO	1.49		0.00 - 3.50
Method:- Calculated			

TOTAL LIPID	518.10	mg/dl	400.00 - 1000.00
Method:- CALCULATED			

1. Measurements in the same patient can show physiological & analytical variations. Three serial samples 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 recommended
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 from peripheral tissues.

Comments: 1- ATP III suggested the addition of Non HDL Cholesterol (Total Cholesterol – HDL Cholesterol) as an indicator of all atherogenic lipoproteins (mainly LDL & VLDL). The Non HDL Cholesterol is used as a secondary target of therapy

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Page No: 2 of 6

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BIOCHEMISTRY

LIVER PROFILE WITH GGT

SERUM BILIRUBIN (TOTAL) Method:- DMSO/Diazo	0.63	mg/dL	Infants : 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Method:- DMSO/Diazo	0.23	mg/dL	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Method:- Calculated	0.40	mg/dl	0.30-0.70
SGOT Method:- IFCC	23.4	U/L	Men- Up to - 37.0 Female - Up to - 31.0
SGPT Method:- IFCC	46.0 H	U/L	Men- Up to - 40.0 Female- Up to - 31.0
SERUM ALKALINE PHOSPHATASE Method:- 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 hepatobiliary 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

Method:- Szasz methodology
Instrument Name Randox Rx Imola

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

SERUM TOTAL PROTEIN Method:- Direct Biuret Reagent	17.00	U/L	10.00 - 45.00
SERUM ALBUMIN Method:- Bromocresol Green	6.06	g/dl	5.10 - 8.00
SERUM GLOBULIN Method:- CALCULATION	3.75	g/dl	3.50 - 5.50
A/G RATIO	2.31	gm/dl	2.20 - 3.50
	1.62		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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Page No: 4 of 6

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BIOCHEMISTRY

RFT / KFT WITH ELECTROLYTES

SERUM UREA	18.20	mg/dl	10.00 - 50.00
Method:- Urease/GLDH			

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

SERUM CREATININE	1.31	mg/dl	Males : 0.6-1.50 mg/dl Females : 0.6 -1.40 mg/dl
Method:- Jaffe's Method			

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	4.08	mg/dl	2.40 - 7.00
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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	132.8 L	mmol/L	135.0 - 150.0
Method:- ISE			

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	3.95	mmol/L	3.50 - 5.50
Method:- ISE			

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

CHLORIDE	100.7	mmol/L	94.0 - 110.0
Method:- ISE			

Interpretation: Used for Electrolyte monitoring.

SERUM CALCIUM	10.50	mg/dl	8.10 - 11.50
Method:- Colorimetric method			

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	6.06	g/dl	5.10 - 8.00
Method:- Direct Biuret Reagent			

SERUM ALBUMIN	3.75	g/dl	
Method:- Bromocresol Green			

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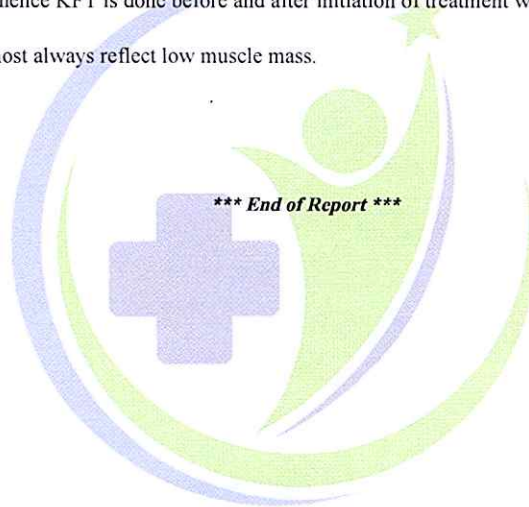
SERUM GLOBULIN Method:- CALCULATION	2.31	gm/dl	2.20 - 3.50
A/G RATIO	1.62		1.30 - 2.50

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: 6 of 6

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TOTAL THYROID PROFILE

IMMUNOASSAY

Test Name	Value	Unit	Biological Ref Interval
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THYROID-TRIIODOTHYRONINE T3 Method:- ECLIA	1.04	ng/mL	0.70 - 2.04
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NOTE-TSH levels are subject to circadian 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, simultaneous 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.High TSH, Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroiditis 5.High TSH, 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 7.Primary hypothyroidism is accompanied by ↓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 Thyrotoxicosis 9.Normal or ↑T3 & ↑T4 along with ↑TSH indicate mild / Subclinical Hyperthyroidism .11.Normal T3 & ↑T4 along with ↑TSH is seen in Hypothyroidism . 12.Normal T3 & T4 levels with ↑TSH indicate Mild / Subclinical Hypo

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

THYROID-THYRONINE (T4) Method:- ECLIA	7.01	µIU/mL	5.10 - 14.10
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NOTE-TSH levels are subject to circadian 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, simultaneous 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.High TSH, Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroiditis 5.High TSH, 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 7.Primary hypothyroidism is accompanied by ↓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 Thyrotoxicosis 9.Normal or ↑T3 & ↑T4 along with ↑TSH indicate mild / Subclinical Hyperthyroidism .11.Normal T3 & ↑T4 along with ↑TSH is seen in Hypothyroidism . 12.Normal T3 & T4 levels with ↑TSH indicate Mild / Subclinical Hypo

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TSH Method:- ECLIA	4.164	µIU/mL	0.350 - 5.500
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NOTE-TSH levels are subject to circadian 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, simultaneous measurement of TSH with free T4 is useful in evaluating differential diagnosis

INTERPRETATION-Ultra Sensitive 4th generation assay
MGR 1.Primary hyperthyroidism is accompanied by ↑serum T3 & T4 values along with ↓TSH level.

Technologist
Page No: 14 of 15

Tanu

DR.TANU RUNGTA
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. SANJAY KUMAR SAINI	Patient ID :-12222943	Date :- 27/01/2023	10:37:12
Age :- 30 Yrs 6 Mon 25 Days	Ref. By Doctor:-BANK OF BARODA		
Sex :- Male	Lab/Hosp :-		
	Company :- Mr.MEDIWHEEL		

Final Authentication : 27/01/2023 19:01:14

IMMUNOASSAY

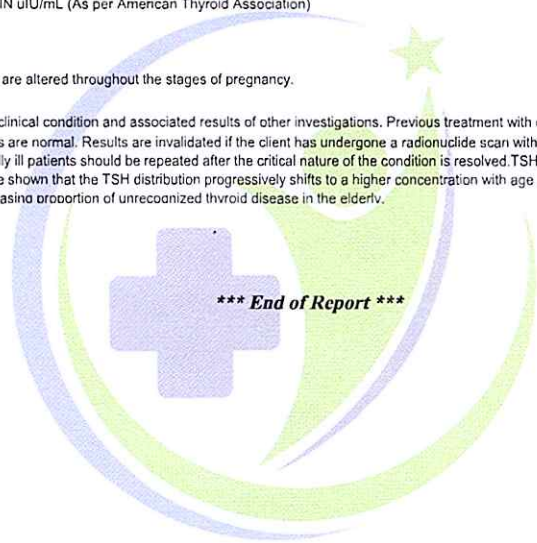
- 2.Low TSH,high FT4 and TSH receptor antibody(TRAb) +ve seen in patients with Graves disease
- 3.Low TSH,high FT4 and TSH receptor antibody(TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter
- 4.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroiditis
- 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 stimulation test -Delayed response seen in patients with Tertiary hypothyroidism
- 7.Primary hypothyroidism is accompanied by ↓ 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 Thyrotoxicosis
- 9.Normal or↓ T3 & ↑T4 levels indicate T4 Thyrotoxicosis (problem is conversion of T4 to T3)
- 10.Normal T3 & T4 along with ↓ TSH indicate mild / Subclinical Hyperthyroidism .
- 11.Normal T3 & ↓ T4 along with ↓ TSH is seen in Hypothyroidism .
- 12.Normal T3 & T4 levels with ↑ TSH indicate Mild / Subclinical Hypothyroidism .
- 13.Slightly ↑ T3 levels may be found in pregnancy and in estrogen therapy while ↓ levels may be encountered in severe illness , malnutrition , renal failure and during therapy with drugs like propranolol.
- 14.Although ↑ TSH levels are nearly always indicative of Primary Hypothyroidism ,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 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.



MGR

Technologist
Page No: 15 of 15

Tanu

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RMC No. 17226



P3 HEALTH SOLUTIONS LLP

(ASSOCIATES OF MAXCARE DIAGNOSTICS)



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Central Spine, Vidhyadhar Nagar, Jaipur - 302023



+91 141 4824885 maxcarediagnostics1@gmail.com

NAME :- Mr. SANJAY KUMAR SAINI

Age :- 30 Yrs 6 Mon 25 Days

Sex :- Male

Patient ID :-12222943

Date :- 27/01/2023

10:37:12

Ref. By Doctor:-BANK OF BARODA

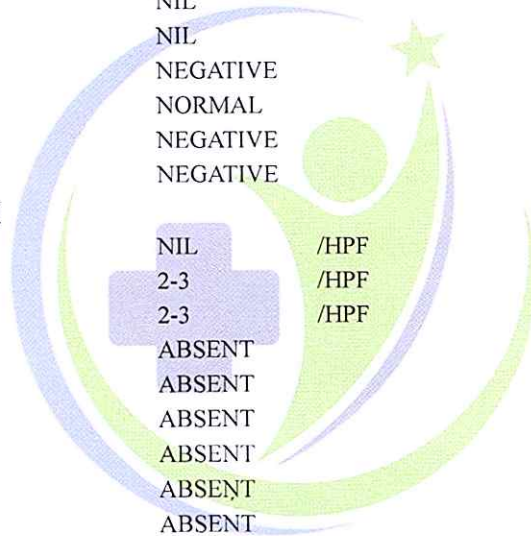
Lab/Hosp :-

Company :- Mr.MEDIWHEEL

Final Authentication : 27/01/2023 19:01:14

CLINICAL PATHOLOGY

Test Name	Value	Unit	Biological Ref Interval
Urine Routine			
<u>PHYSICAL EXAMINATION</u>			
COLOUR	Watery		PALE YELLOW
APPEARANCE	Clear		Clear
<u>CHEMICAL EXAMINATION</u>			
REACTION(PH)	5.0		5.0 - 7.5
SPECIFIC GRAVITY	1.025		1.010 - 1.030
PROTEIN	NIL		NIL
SUGAR	NIL		NIL
BILIRUBIN	NEGATIVE		NEGATIVE
UROBILINOGEN	NORMAL		NORMAL
KETONES	NEGATIVE		NEGATIVE
NITRITE	NEGATIVE		NEGATIVE
<u>MICROSCOPY EXAMINATION</u>			
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		ABSENT



MGR

Technologist

Page No: 12 of 15

DR.TANU RUNGTA

MD (Pathology)

RMC No. 17226



MR. SANJAY KUMAR SAINI	AGE- 30 Y/Male
Registration Date: 27/01/2023	Ref. by: DR. BANK OF BARODA

ULTRASOUND OF WHOLE ABDOMEN

Liver is of normal size (13.8 cm). **Echo-texture is increased.** 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 post operated. 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. Collecting system does not show any calculus or dilatation.

Right kidney is measuring approx. 11.0 x 4.7 cm.

Left kidney is measuring approx. 12.1 x 5.1 cm.

Urinary bladder 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:

- **Grade-1 fatty liver.**
- **Rest no significant abnormality is detected.**

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





P3 HEALTH SOLUTIONS LLP

(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. SANJAY KUMAR SAINI	AGE	30 YRS/M
REF.BY	BANK OF BARODA	DATE	27/01/2023

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.

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

R

12222943 MR. SANJAY KUMAR SAINI 30YRS BANK OF BARODA M
27.JAN.2023
MAXCARE DIAGNOSTIC (ASSOCIATES OF P3 HEALTH SOLUTIONS LLP)

