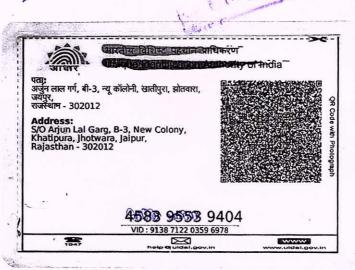


Quy.

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





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General Physical Examination

Date of Examination: 09/04/1983	
Name: RAMESH KUMAR GARG	Age: 39 DOB: 08/07/1983 Sex: Mule
Referred By: BANK OF BAROOM	
Photo ID: AADHAR 'ID#: 9464	
Ht: <u>/ 7 3· 5 </u> (cm)	Wt: <u>78</u> (Kg)
Chest (Expiration): 101 (cm)	Abdomen Circumference: (cm)
Blood Pressure: 189 / 79 mm Hg PR: *81	/ min RR: 18 / min Temp: Afablic
BMI_ <u>26·1</u>	
Eye Examination:	NCB
Other:	
other.	
On examination he/she appears physically and me	
Signature Of Examine :	Name of Examinee: RAMESH KUMARGARG
Dr. U. C. GUP Dr. U. C. GUP MBBS, MD (Physic RMC No. 291	Name Medical Examiner - DRIV-CIG UPHA



191 141 4824885 maxcarediagnostics1@gmail.com
NAME:- Mr. RAMESH KUMAR GARG

Age :-

39 Yrs 9 Mon 2 Days

Sex :-Male



Patient ID :-122368

Date :- 09/04/2023

08:45:58

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

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HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
FULL BODY HEALTH CHECKUP BELOW 4) MALE		
HAEMOGARAM	JIVIALL		
HAEMOGLOBIN (Hb)	14.7	g/dl.	13.0 - 17.0
TOTAL LEUCOCYTE COUNT	5.10	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT	50	rediffili	1.00 - 10.00
NEUTROPHIL	50.0	%	40.0 - 80.0
LYMPHOCYTE	40.0	%	20.0 - 40.0
EOSINOPHIL	4.0	%	1.0 - 6.0
MONOCYTE	6.0	%	2.0 - 10.0
BASOPHIL	0.0	%	0.0 - 2.0
TOTAL RED BLOOD CELL COUNT (RBC)	4.84	x10^6/uL	4.50 - 5.50
HEMATOCRIT (HCT)	45.40	%	40.00 - 50.00
MEAN CORP VOLUME (MCV)	94.0	n.	83.0 - 101.0
MEAN CORP HB (MCH)	30.3	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	32.4	g/dl.	31.5 - 34.5
PLATELET COUNT	150	x10^3/ul.	150 - 410
RDW-CV	13.9	%	11.6 - 14.0

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HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR)

Methord:- 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



VIKARANTJI

Technologist Page No: 2 of 15 DR.TANU RUNGTA MD (Pathology) RMC No. 17226

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Sex :- Male



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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



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BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
FASTING BLOOD SUGAR (Plasma) Methord:- GOD POD	. 101.0	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,

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

104.0

mg/dl

70.0 - 140.0

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

Test Name	Value	Unit	Biological Ref Interval
GLYCOSYLATED HEMOGLOBIN (H Methord:- CAPILLARY with EDTA	IbA1C) 5.6	mg%	Non-Diabetic < 6.0 Good Control 6.0-7.0 Weak Control 7.0-8.0 Poor control > 8.0
MEAN PLASMA GLUCOSE Methord:- Calculated Parameter	, 114	mg/dl.	68 - 125

INTERPRETATION

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

CLINICAL NOTES

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

1. Erythropoiesis

- Increased HbA1c: iron, vitamin B12 deficiency, decreased erythropolesis
- 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

- 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, ribavinin & 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

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 tin 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 "O" POSITIVE



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BIOCHEMISTRY

	вюсны	MISTRY	
Test Name	Value	Unit	Biological Ref Interval
LIPID PROFILE			
TOTAL CHOLESTEROL Methord:- CHOD-PAP methodology	138.00	mg/dl	Desirable <200 Borderline 200-239 High> 240
InstrumentName: MISPA PLUS Interpretation: disorders.	Cholesterol measurement	s are used in the diagnosis	and treatments of lipid lipoprotein metabolism
TRIGLYCERIDES Methord:- GPO-PAP	100.00	mg/dl	Normal <150 Borderline high 150-199 High 200-499 Very high >500
InstrumentName:Randox Rx Imola Interpretati metabolism and various endocrine disorders e.g. diab		-3466	gnosis and treatment of diseases involving lipid
DIRECT HDL CHOLESTEROL Methord:- Selective inhibition Method	58.00	mg/dl	Male 35-80 Female 42-88
Instrument Name: MISPA PLUS Interpretati	on: An inverse relat	ionship between HDL-e	holesterol (HDL-C) levels in serum and the
incidence/prevalence of coronary heart disease (CHI) has been demonstrated	in a number of epidemiole	ogical studies Accurate measurement of HDL-C is
of vital importance when assessing patient risk for	rom CHD. Direct meas	urement gives improved	accuracy and reproducibility when compared to
precipitation methods.	60.00		0-11100

precipitation methods. LDL CHOLESTEROL Methord:- Calculated Method	63.33	mg/dl	Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189 Very High > 190
VLDL CHOLESTEROL Methord:- Calculated	20.00	mg/dl	0.00 - 80.00
T.CHOLESTEROL/HDL CHOLESTEROL RATIO Methord - Calculated	2.38		0.00 - 4.90

LDL / HDL CHOLESTEROL RATIO
Methord: - Calculated

1.09

TOTAL LIPID Methord: - CALCULATED 430.70 mg/dl

0.00 - 3.50 400.00 - 1000.00

- 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 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.

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BIOCHEMISTRY

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 Cholesterolis used as a secondary target of therapy in persons with triglycerides >=200 mg/dL. The goal for Non HDL Cholesterol in those with increased triglyceride is 30 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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DR.TANU RUNGTA MD (Pathology) RMC No. 17226

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BIOCHEMISTRY

LIVER PROFILE WITH GGT			
SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo	0.86	mg/dL	Infants 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo	0.31	mg/dL	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	0.55	mg/dl	0.30-0.70
SGOT Methord:- IFCC	43.5 H	U/I.	0.0 - 40.0
SGPT Methord:- IFCC	35.7	U/I.	0.0 - 40.0
SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE	62.50	U/L	53.00 - 141.00
SERUM GAMMA GT Methord:- Szasz methodology Instrument Name Randox Rx Imola Interpretation: Elevations in GGT levels are seen earlier and more pronounced than those	21.80 with other liver enzymes	U/L, 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 moderate elevations in the enzyme level (2 to 5 times n	ormal)are observed with ir	ofectious hepatitis	
SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent	7.33	g/dl	6.00 - 8.40
SERUM ALBUMIN Methord:- Bromocresol Green	4.84	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	2.49	gm/dl	2.20 - 3.50
A/G RATIO	1.94		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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DR.TANU RUNGTA

MD (Pathology) RMC No. 17226



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BIOCHEMISTRY

RFT / KFT WITH ELECTROLYTES

SERUM UREA Methord:- Urease/GLDH 28.20

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

1.15

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

3.35

mg/dl

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

146.5

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

4.79

mmol/L

3.50 - 5.50

Interpretation: 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

99.8

mmol/L

94.0 - 110.0

Interpretation: Used for Electrolyte monitoring.

SERUM CALCIUM

11.20

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 VIKARIA RIFGIBiuret Reagent

7.33

g/dl

6.00 - 8.40

Technologist

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DR.TANU RUNGTA

MD (Pathology) RMC No. 17226

Janu



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NAME RAMESH KUMAR GARG

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BIOCHEMISTRY

 SERUM ALBUMIN Methord:- Bromocresol Green
 4.84
 g/dl
 3.50 - 5.50

 SERUM GLOBULIN Methord:- CALCULATION
 2.49
 gm/dl
 2.20 - 3.50

 A/G RATIO
 1.94
 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-hour collections for many analytes or be used as a quality assurance tool to assess the accuracy of a 24-hour collection Higher levels may be a sign that the kidneys are not working properly. As kidney disease progresses, the level of creatinine and urea in the bloodincreases. Certain drugs are nephrotoxic hence KFT is done before and after initiation of treatment with these drugs

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

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Technologist
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191 NAMES 2488 RAMESH KUMAR GARG

Age :-

Sex :-Male

39 Yrs 9 Mon 2 Days

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TOTAL THYROID PROFILE

IMMUNOASSAY

Test Name	Value	Unit	Biological Ref Interval
THYROID-TRIIODOTHYRONINE T3 Methord:- ECLIA	0.92	ng/ml.	0.70 - 2.04

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

INTERPRETATION-Ultra Sensitive 4th generation assay 1. Primary hyperthyroidism is accompanied by "serum T3 & T4 values along with" TSH level 2. Low TSH, high FT4 and TSH receptor antibody (THAP) +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 incress *Ve seen in patients with Graves disease 3.Low TSH,high F14 and TSH receptor antibody (TRAb) -ve seen in patients with Toxic adenomal Toxic Multinodular gotter 4 HighTSH, low F14 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroiditis 5.HighTSH,Low F14 and TNPI microsomal antibody normal seen in patients with Indine deficiency/Congenital T4 synthesis deficiency 6.Low TSH,Low F14 and TRH stimulation test. Delayed response seen in patients with Tertiary hypothyroidism.

7.Primary hypothyroidism is accompanied by 1 serum T3 and T4 values & 'serum TSH levels accompanied by 1 serum T3 and T4 values & 'serum TSH levels accompanied by 1 serum T3 and T4 values & 'serum TSH levels accompanied by 1 serum T3 & T4 along with TSH indicate mild / Subclinical Hypothyroidism. 11.Normal T3 & T4 along with TSH indicate mild / Subclinical Hypothyroidism. 11.Normal T3 & T4 along with TSH indicate mild / Subclinical Hypothyroidism.

DURING PREGNANCY - REFERENCE RANGE for TSH IN ullu/mL (As per American Thyroid Association) 1st Trimester: 0, 10-2-50 ullu/mL 2nd Trimester: 0.20-3.00 ullu/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 nighter part of the critical part of the critical part 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 nighter part of the critical part of

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 1 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 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 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 & 10.Normal T3 & T4 along with "T5H indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T3 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T4 & "T4 along with" T5H indicate mild / Subclinical Hypothyroidism .10.Normal T4 & "T4 along with" T5H indicate

DURING PREGNANCY - REFERENCE RANGE for TSH IN ultu/mL (As per American Thyroid Association) 1st Trimester (0.10-2.50 ultu/mL 2nd Trimester (0.20-3.00 ultu/mL 3nd Trimester (0.30-3.00) ultu/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 contropsteroid 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 nigher 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 0.992

μIU/mL.

0.350 - 5.500

NOTE-TSH levels are subject to circardian variation, reaching peak levels between 2-4 AM and min between 6-10 PM. The variation is the order of 50% hence time of the day has influence on the measures serum TSH concentration. Dose and time of drug intake also influence the test result.

Transient increase in TSH levels or abnormal TSH levels can be seen in some non thyroidal conditions, simoultaneous measurement of TSH with free T4 is useful in evaluating differential diagnosis

NTERPRETATION-Ultra Sensitive 4th generation assay
Primary hyperinyroidism is accompanied by †serum T3 & T4 values along with 1 TSH level

Technologist

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MD (Pathology) RMC No. 17226

form



(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

191 NAME :- Mr. RAMESH KUMAR GARG

39 Yrs 9 Mon 2 Days Age :-

Sex :-Male Date: - 09/04/2023

Patient ID :-122368

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 10/04/2023 13:12:33

08:45:58

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

4.High ISH, Low F14 and Inyroid microsomal antibody increased seen in patients with Hashimotos thyroiduits
5.HighTSH, Low F14 and Thyroid microsomal antibody normal seen in patients with Iodine deficiency/Congental T4 synthesis deficiency
6.Low TSH, Low F14 and TRH stimulation test -Delayed response seen in patients with Tertiary hypothyroidism
7.Primary hypothyroidism is accompanied by [serum 13 and T4 values & Tserum TSH levels
8.Normal T4 levels accompanied by [13 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, mainutrition, 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 ulU/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 contexperied 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 ***

VIKARANTJI

Technologist Page No: 15 of 15



(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

P9 NAME : MR. RAMESH KUMAR GARG

Age:- 39 Yrs 9 Mon 2 Days

Sex :- Male



Patient ID :-122368

Date :- 09/04/2023

08:45 58

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 10/04/2023 13:12:33

CLINICAL PATHOLOGY

Test Name	Value	Unit	Biological Ref Interval
Urine Routine			
PHYSICAL EXAMINATION			
COLOUR	YELLOW		PALE YELLOW
APPEARANCE	Clear		Clear
CHEMICAL EXAMINATION			
REACTION(PH)	5.0		5.0 - 7.5
SPECIFIC GRAVITY	1.030		1.010 - 1.030
PROTEIN	NII.		NII.
SUGAR	NII.		NII.
BILIRUBIN	NEGATIV	E.	NEGATIVE.
UROBILINOGEN	NORMAL.		NORMAL.
KETONES	NEGATIV	E A	NEGATIVE
NITRITE	NEGATIV	E.	NEGATIVE
MICROSCOPY EXAMINATION			
RBC/HPF	NIL	/HPF	NII.
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	The state of the s	

VIKARANTJI

Technologist

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form

DR.TANU RUNGTA

MD (Pathology) RMC No. 17226



© +91 141 4824885 ⋒ maxcarediagnostics1@gmail.com



NAME:	MR. RAMESH KUMAR GARG	AGE/SEX	39 YRS/M
REF.BY	ВОВ	DATE	10/04/2023

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.

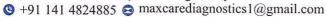
IMPRESSION: No significant abnormality is detected.

Shallni

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

RMC No.: 21954







MR. RAMESH KUMAR GARG	39 Y/M
Registration Date: 09/04/2023	Ref. by: BANK OF BARODA

ULTRASOUND OF WHOLE ABDOMEN

Liver is of normal size (14.1 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 well distended. Wall is not thickened. No calculus or mass lesion is seen in gall bladder. Common bile duct is not dilated.

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

Spleen is of normal size and shape (10.1 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. 11.3 x 5.2 cm. **Left kidney** is measuring approx. 11.5 x 5.4 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.



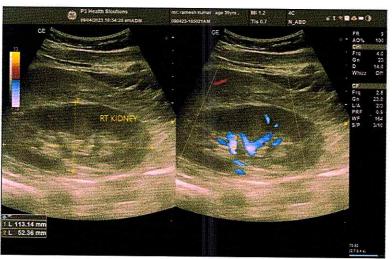
DR.SHALINI GOEL

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

RMC no.: 21954

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









3-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur 12229451323408/Mr Ramesh Kumar Garg 39Yrs/Male kef.: BANK OF BARODA Test Date: 09-Apr-2023(9:31:01 A) Notch: 50Hz 0.05Hz - 100Hz 3 HEALIH SULUTIONS LLF P-QRS-T axis: 50 · 101 · 72 · (Deg) FINDINGS: Abnormal ECG with Indication of Sinus Bradycardia comments: Vent Rate: 59 bpm; PR Interval: 142 ms; QRS Duration: 106 ms; QT/QTc Int: 397/395 ms avR avL BP: 10mm/mV Dr. Naresh Kumar Mohanka mmHg 25mm/Sec RMC No.: 35703 RMC No.: 35703 (ESCORTS) HR: 59 bpm Codedine Sinus 4 3 46 5 QRS Duration: 106 ms QT/QTc: 397/395ms P-QRS-T Axis: 50 - 101 - 72 (Deg) PR Interval: 142 ms

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

1322554/MR RAMESH KUMAR GARG 39 Yrs/Male 0 Kg/0 Cms Date: 09-Apr-2023 09:32:47 AM Ref. By : BANK OF BARODA Medication : Objective : Protocol : BRUCE History :

Stage StageTime	ne PhaseTime	Speed	Grade	METs	H.R. B	B.P. R	R.P.P. PVC Comments	S	S 1 2 PR
Supine				1.0	12		68		,
Standing				1.0	56 125/85		70 -		
HV				1.0	88 125/85		110		
ExStart				1.0	76 125/85		95 -		
Stage 1 3:01	3:02	1.7	10.0	4.7	110 135/85		148	avR	
Stage 2 3:01	6:02	2.5	12.0	7.1	137 145/90		198 -		1
PeakEx 2:00	8:00	3.4	14.0	9.1	170 155/90		263 -	avL	
Recovery 1:00		0.0	0.0	1.2	125 155/90		193 -	avF	}
Recovery 2:00		0.0	0.0	1.0	101 165/90		166 -		+ 3,2
Recovery 3:00		0.0	0.0	1.0	90 145/90		30 -	V1	Market Market
Recovery 4:00		0.0	0.0	1.0	94 135/85		126 -	V2	
Findings:								0.4 V3	
Exercise Time		:07:59							
Max HR Attained Max BP: 165/90(mmHg)		:170 bpm 94%	of Max Predictable	dictable	HR 181			~	3 7
Max WorkLoac	Max WorkLoad attained :9.1(Good Effort Tolerance)	(Good Effo	rt Toleranc	e)				V5-	
			<u>ر</u>					-1. 2 PeakEx	
		&	X	7	TMT NE	NEGATI	VE FOR	RMI	3 6 9 12 15 18
		7	Ż						
Advice/Comments:		7						Kumar Michanka	hanka
								DIP. CARDIO (E-	(\$120)

