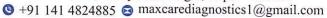


- わからしかい

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







## **General Physical Examination**

Date of Examination: 09/04/2023
Name: MAMTA COUPTA Age: 36 DOB 22/07/1986Sex: Male
Referred By: BANK OF BARODA
Photo ID: ID #: _84801
Ht: <u>160</u> (cm) Wt: <u>72</u> (Kg)
Chest (Expiration):3 C (cm) Abdomen Circumference:8 C (cm)
Blood Pressure: 104 / 73 mm Hg PR: 86 / min RR: 18 / min Temp: Alebs 1/2
BMI 33.6
Eye Examination: RIETGIG, NIG, NCB LIETGIG, NIG, NCB
Other:
On examination he/she appears physically and mentally fit: Yes / No
Signature Of Examine: ————————————————————————————————————
Signature Medical Examiner: Name Medical Examiner DR. U.C. CIUP #17
Dr. U. C. GUPTA MBBS, MD (Physician) MBBS, MD (Physician) RMC No. 291



NAME: - Mrs. MAMTA GUPTA

Age :-36 Yrs 8 Mon 18 Days

Female Sex :-



Patient ID :-122369

Date :- 09/04/2023

08:47:56

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 40	) FEMAL		
HAEMOGARAM			
HAEMOGLOBIN (Hb)	12.0	g/dl.	12.0 - 15.0
TOTAL LEUCOCYTE COUNT	6.60	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHIL	59.0	%	40.0 - 80.0
LYMPHOCYTE	33.0	%	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)	4.38	x10^6/uL.	3.80 - 4.80
HEMATOCRIT (HCT)	38.00	%	36.00 - 46.00
MEAN CORP VOLUME (MCV)	87.0	U.	83.0 - 101.0
MEAN CORP HB (MCH)	27.4	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	31.6	g/dI.	31.5 - 34.5
PLATELET COUNT	246	x10^3/uL	150 - 410
RDW-CV	14.9 H	%	11.6 - 14.0

**ADIYTA** 

**Technologist** 

Page No: 1 of 15

Janu

DR.TANU RUNGTA

MD (Pathology) RMC No. 17226



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NAME :- Mrs. MAMTA GUPTA

36 Yrs 8 Mon 18 Days Age :-

Sex :-Female



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### **HAEMATOLOGY**

Erythrocyte Sedimentation Rate (ESR)

12

mm in 1st hr

00 - 20

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



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(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

Page No: 3 of 15



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### **BIOCHEMISTRY**

Test Name	Value	Unit	Biological Ref Interval
FASTING BLOOD SUGAR (Plasma) Methord:- GOD POD	115.0	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

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

145.0 H

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 .

**ADIYTA** 

**Technologist** 

Page No: 4 of 15



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### **HAEMATOLOGY**

Test Name	Value	Unit	Biological Ref Interval
GLYCOSYLATED HEMOGLOBIN (Hb Methord:- CAPILLARY with EDTA	<b>5.9</b>	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	123	mg/dI.	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

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

1. Shortened RBC life span -HbA1c test will not be accurate when a person has a condition that affects the average lifespan of red blood cells (RBCs), such as hemolytic anemia or blood loss. When the lifespan of RBCs in circulation is shortened, the A1c result is falsely low and is an unreliable measurement of a person's average glucose over time 2.Abnormal forms of hemoglobin – The presence of some hemoglobin variants, such as hemoglobin S in sickle cell anemia, may affect certain methods for measuring A1c In these cases, fructosamine can be used to monitor glucose control.

### Advised:

1. To follow patient for glycemic control test like fructosamine or glycated albumin may be performed instead

2. Hemoglobin HPLC screen to analyze abnormal hemoglobin variant, estimated Average Glucose (eAG): based on value calculated according to National Glycohemoglobin Standardization Program (NGSP) criteria

**ADIYTA** 

**Technologist** 

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Janu DR.TANU RUNGTA

MD (Pathology) RMC No. 17226



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### **HAEMATOLOGY**

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



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**Technologist** Page No: 6 of 15



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### BIOCHEMISTRY

Value	Unit	Biological Ref Interval
	243	
138.00	mg/dl	Desirable <200 Borderline 200-239 High> 240
sterol measurements	s are used in the diagnosis a	nd treatments of lipid lipoprotein metabolism
100.00	mg/dl	Normal <150 Borderline high 150-199 High 200-499 Very high >500
	138.00	138.00 mg/dl esterol measurements are used in the diagnosis a

InstrumentName:Randox Rx Imola 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

59.00

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.

precipitation methods. LDL CHOLESTEROL Methord:- Calculated Method

62.33

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 2.34 (),(0) - 4,90 Methord: Calculated

LDL / HDL CHOLESTEROL RATIO 1.06 0.00 - 3.50 Methord: - Calculated

TOTAL LIPID 430.70 mg/dl 400.00 - 1000.00 Methord: - CALCULATED

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

**ADIYTA** 

Technologist

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Janu

DR.TANU RUNGTA

MD (Pathology) RMC No. 17226



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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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**Technologist** Page No: 8 of 15



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### **BIOCHEMISTRY**

LIVER PROFILE WITH GGT			
SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo	0.55	mg/dL	Infants . 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo	0.12	mg/dL	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	0.43	mg/dl	0 30-0.70
SGOT Methord:- IFCC	20.7	U/L	0.0 - 40.0
SGPT Methord:- IFCC	18.6	U/I.	0.0 - 35.0
SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE	52.40	U/L	42.00 - 110.00
SERUM GAMMA GT Methord:- Szasz methodology Instrument Name Randox Rx Imola Interpretation Elevations in GGT levels are seen earlier and more pronounced than those	20.50 with other liver enzymes	U/L, in cases of obstructive jaundice and	5.00 - 32.00
metastatic neoplasms. It may reach 5 to 30 times normal levels in intra-or post- hepatic biliary obstruction. Only moderate elevations in the enzyme level (2 to 5 times n	ormal)are observed with it	refectious hepatitis	
SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent	7.86	g/dl	6.00 - 8.40
SERUM ALBUMIN Methord:- Bromocresol Green	4.85	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	3.01	gm/dl	2.20 - 3.50

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

ADIYTA

**Technologist** 

A/G RATIO

Page No: 9 of 15

DR.TANU RUNGTA

1.30 - 2.50

MD (Pathology) RMC No. 17226

Janu



# P3 HEALTH SOLUTIONS LLP

(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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01 141 4824885 maxcarediagnostics1@gmail.com NAME :- Mrs. MAMTA GUPTA

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Sex :- Female

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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

discases.

SERUM CREATININE

0.84

mg/dl

Males: 0.6-1.50 mg/dl

Females: 0.6 -1 40 mg/dl

Interpretation:

Methord: - Jaffe's Method

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

clinically significant. SERUM URIC ACID

4.20

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

143.8

mmol/I

135.0 - 150.

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

4.46

mmol/I

3.50 - 5.50

Interpretation: A. Elevated potassium (hyperkalaemia) • Artefactual, Physiologidakation, 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** 

101.0

mmol/L

94.0 - 110.0

Interpretation: Used for Electrolyte monitoring.

SERUM CALCIUM

10.00

mg/dl

8.10 - 11.50

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

SERUM TOTAL PROTEIN

7.86

g/dl

6.00 - 8.40

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**Technologist** 

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### **BIOCHEMISTRY**

SERUM ALBUMIN Methord:- Bromocresol Green	4.85	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	3.01	gm/dl	2.20 - 3.50
A/G RATIO	1.61		1.30 - 2.50

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

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

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

**ADIYTA** 

**Technologist** Page No: 11 of 15



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## **CLINICAL PATHOLOGY**

Test Name	Value	Unit	Biological Ref Interval
Urine Routine PHYSICAL EXAMINATION			
COLOUR	PALE YEL	LOW	PALE YELLOW
APPEARANCE	Clear		Clear
<b>CHEMICAL EXAMINATION</b>			
REACTION(PH)	5.0		5.0 - 7.5
SPECIFIC GRAVITY	1.010		1.010 - 1.030
PROTEIN	NII.		NII.
SUGAR	NIL		NII.
BILIRUBIN	NEGATIVI	E 🧖	NEGATIVE
UROBILINOGEN	NORMAL		NORMAL.
KETONES	, NEGATIVI	E ALL A	NEGATIVE
NITRITE	NEGATIVI	E. T. C.	NEGATIVE
MICROSCOPY EXAMINATION	The second second		
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	Vacanta and a second	

ADIYTA

Technologist

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### TOTAL THYROID PROFILE

### **IMMUNOASSAY**

Test Name	Value	Unit	Biological Ref Interval
THYROID-TRIIODOTHYRONINE T3 Methord:- ECLIA	0.97	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 measure: of TSH with free T4 is useful in evaluating differential diagnosis

INTERPRETATION-Ultra Sensitive 4th generation assay 1. Primary hyperthyroidism is accompanied by "serum 13.8.14 values along with" TSH level 2 Low TSH, high F14 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 Multimodurar goiter 4. High TSH, ow FT4 and Thyroid microsoma antibody increased seen in patients with Hashimotos thyroiditis 5 HighTSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with lodine deficiency Congenital T4 synthesis deficiency 6 Low TSH,Low FT4 and TRH stimulation test-Delayed response seen in patients with Tertiary hypothyroidism
7.Pnmary hypothyroidism is accompanied by 1 serum T3 and T4 values & serum TSH levels 8.Normal T4 levels accompanied by 1 serum T3 and T4 values T4 along with T5H indicate mild / Subclinical Hypothyroidism. 11.Normal T3 & T4 along with T5H indicate mild / Subclinical Hypothyroidism. 15H indicate mild / Subclinical Hypothyroidism.

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 controcateroid 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 thyroid disease in the effect.

[TIME] is due to a real change with according to the condition of the

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

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

7. Primary hypothyroidism is accompanied by 1 serum T3 and T4 values & serum TSH levels8 Normal T4 evels accompanied by 13 levels and low TSH are seen in patients with T3 Thyrotoxicosis9 Normal or T3 & 10. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...11. Normal T3 & 14 along with "TSH indicate mild / Subclinical Hypothyroidism ...11. Normal T3 & 14 along with "TSH is seen in Hypothyroidism ...12. Normal T3 & T4 levels with "TSH indicate mild / Subclinical Hypothyroidism ...13. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism ...14. Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism

DURING PREGNANCY - REFERENCE RANGE for TSH IN ulU/mL (As per American Thyroid Association) 1st Trimester: 0.10-2.50 ulU/mL 2nd 1 mester: 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 contropseroid therapy may result in lower TSH levels while thyroid hormone levels are normal. Results are invalidated if the client has undergone a radionucide scan within 7-14 days before the test. Abnormal thyroid test findings often found in critically ill patients should be repeated after the critical nature of the condition is resolved. TSH is an important marker for the diagnosis of thyroid dysfunction. Recent studies have shown that the TSH distribution progressively shifts to a higher concentration with age, and it is debatable whether this is due to a real change with age or an increasing proportion of unrecognized thyroid disease in the elderly

TSH Methord:- ECLIA 2.533

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, smoultaneous measurement of TSH with free T4 is useful in evaluating differential diagnosis

A TERRETATION-Ultra Sensitive 4th generation assay hyperthyroidism is accompanied by †serum T3 & T4 values along with | TSH level

**Technologist** 

Page No: 14 of 15

DR.TANU RUNGTA

MD (Pathology) RMC No. 17226

form



## **EALTH SOLUTIONS LLP**

(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

⊕ +91 141 4824885 maxcarediagnostics1@gmail.com

NAME :- Mrs. MAMTA GUPTA

36 Yrs 8 Mon 18 Days Age :-

Sex :-



Patient ID :-122369

Date :- 09/04/2023

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 10/04/2023 13:16:52

### **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 Multimodular gotter

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6.Low TSH,Low FT4 and TRH stimulation test-Delayed response seen in patients with Detail hypothyroidism 7.Primary hypothyroidism is accompanied by 1 serum T3 and T4 values 8 [serum T5H levels 8.Normal T4 levels accompanied by 1 T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis 9.Normal or 1 T3 & 1T4 levels indicate T4 Thyrotoxicosis (problem is conversion of T4 to T3) 10.Normal T3 & T4 along with 1 T5H 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 three interests.

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

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

**ADIYTA** 

**Technologist** Page No: 15 of 15



⊕ +91 141 4824885 maxcarediagnostics1@gmail.com

MRS. MAMTA GUPTA	Age: 36 Y/F
Registration Date: 09/04/2023	Ref. by: BANK OF BARODA

## **ULTRASOUND OF WHOLE ABDOMEN**

**Liver** is of normal size (13.1 cm). Echo-texture is normal. No focal space occupying lesion is seen within liver parenchyma. Intra hepatic biliary channels are not dilated. Portal vein diameter is normal.

**Gall bladder** is 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 (10.2 cm). Echotexture is normal. No focal lesion is seen.

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

Right kidney is measuring approx. 10.5 x 4.5 cm.

**Left kidney** is measuring approx. 11.3 x 5.7 cm.

Urinary bladder does not show any calculus or mass lesion.

**Uterus** is anteverted and normal in size (measuring approx. 8.4 x 4.6 x 4.3 cm). Myometrium shows normal echo -pattern. No focal space occupying lesion is seen. Endometrial echo is normal. Endometrial thickness is 6.5 mm.

Both ovaries are visualized and are normal. No adnexal mass lesion is seen.

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

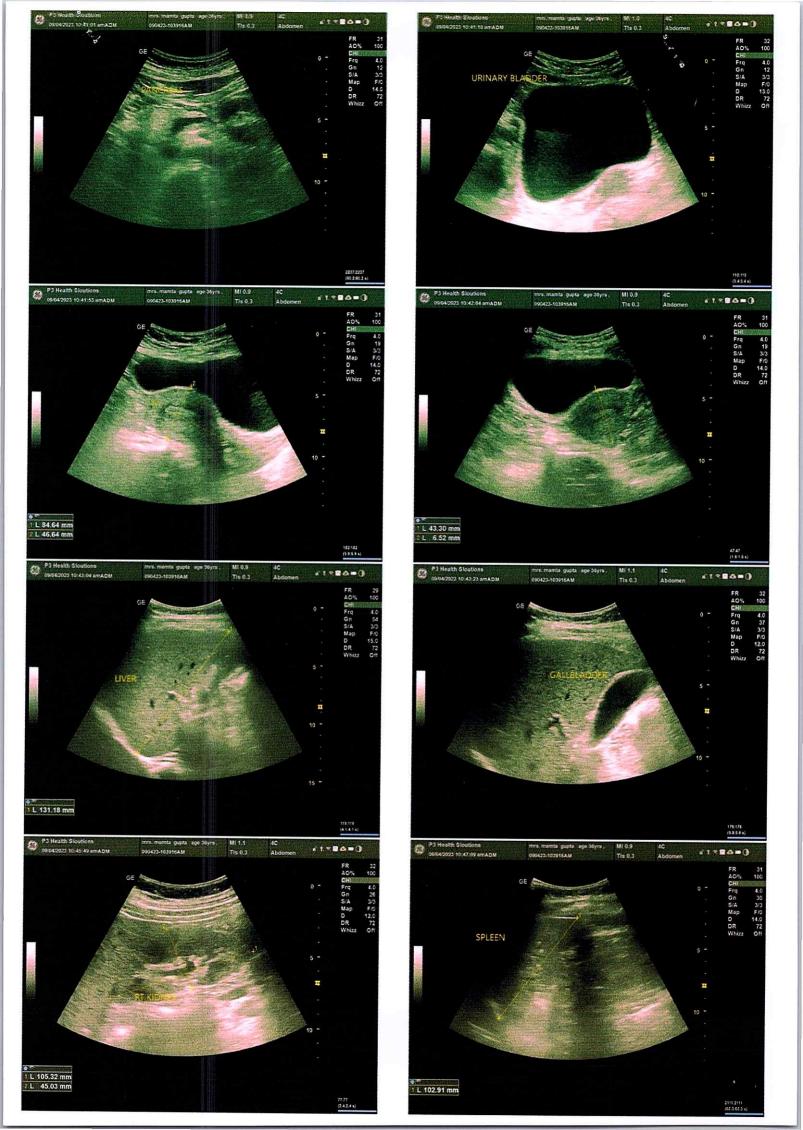
IMPRESSION: No significant abnormality is detected.



**DR.SHALINI GOEL** 

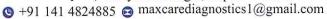
M.B.B.S, D.N.B (Radiodiagnosis)

RMC no.: 21954











NAME:	MRS. MAMTA GUPTA	AGE/SEX	36 YRS/F
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

3 HEALIH SULUIIUNS LLF

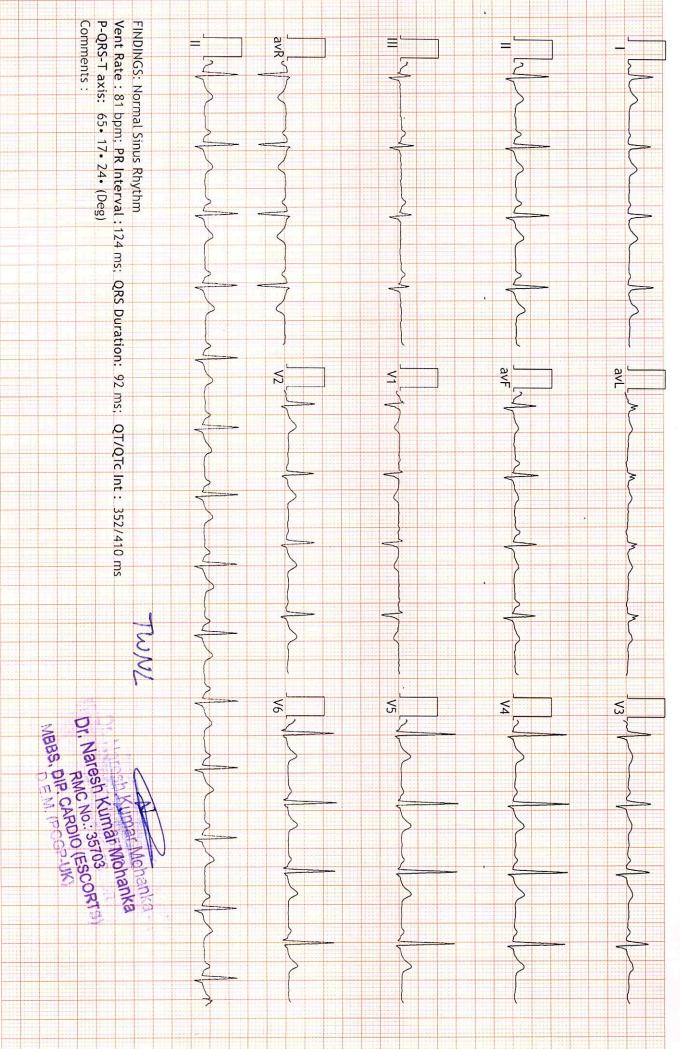
lef.: BANK OF BARODA Test Date: 09-Apr-2023(11:01:25) Notch: 50Hz 0.05Hz - 100Hz 3-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur 12229451323411/Mrs Mamta gupta 36Yrs/Female

Kgs/31 Cms BP: 10mm/mV

HR: 8 | bpm

mmHg 25mm/Sec

PR Interval: 124 ms QRS Duration: 92 ms QT/QTc: 352/410ms P-QRS-T Axis: 65 - 17 - 24 (Deg)



summary

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

1322556/MRS MAMTA GUPTA 36 Yrs/Female 0 Kg/0 Cms ate: 09-Apr-2023 11:06:19 AM Ref. By : BANK OF BARODA

Protocol: BRUCE History:

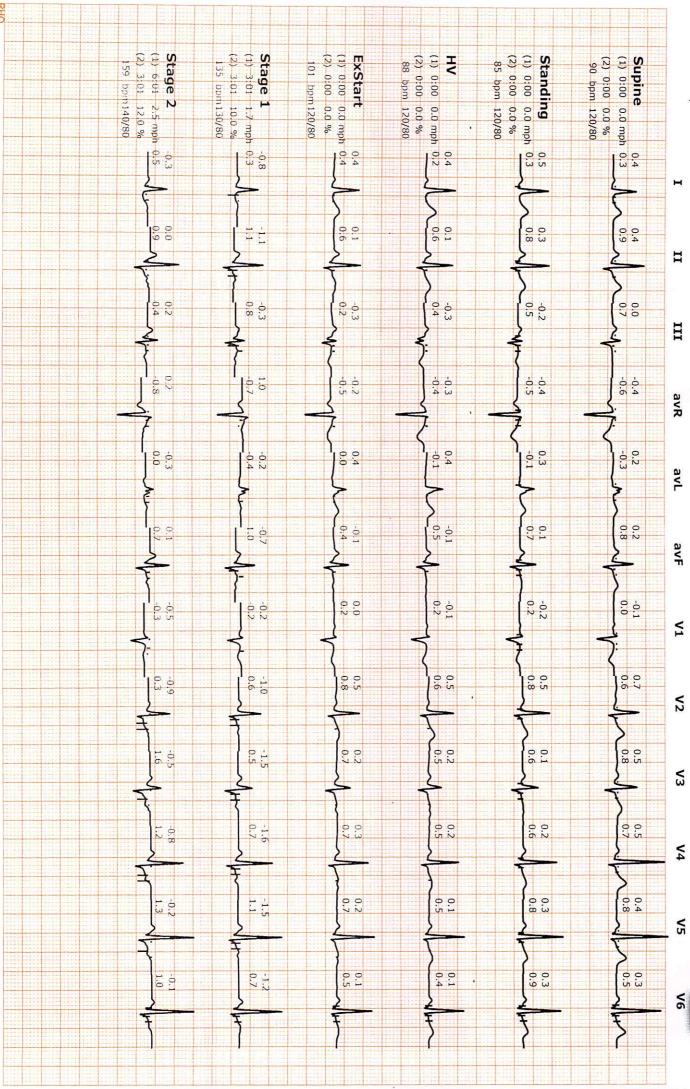
wice/Comments Supine Stage Objective: Medication: Recovery Stage 2 Recovery Stage 1 Standing Recovery ¥ Recovery ExStart Findings: PeakEx Max BP : 150/85(mmHg) Max WorkLoad attained :8.2(Fair Effort Tolerance) Max HR Attained Exercise Time StageTime PhaseTime Speed
(Min:Sec) (Min:Sec) (mph) 2:00 1:00 1:01 3:01 3:01 7:02 6:02 3:02 :166 bpm 90% of Max Predictable HR 184 :07:01 Grade 14.0 12.0 10.0 0.0 1.0 1.0 1.0 METS TMT 18 NEDUCTUR FORRMI MBBS, DIP. CARDIO (ESCORTS)

NBBS, DIP. CARDIO (ESCORTS) (bpm) R. 107 109 101 105 166 159 135 90 88 85 150/85 140/80 130/80 140/80 140/80 130/80 120/80 120/80 140/80 120/80 120/80 B.P. 175 R.P.P. PVC Comments 163 232 222 108 182 121 105 102 149 -0.6 PeakEx PreEx -0.3 avF avR avL 46 **V**5 4 **\3** 12 **S** = = of Water down 0.5 mm/Div 2 R 9 12 15 18 21 Min.



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

1322556/MRS MAMTA GUPTA 36 Yrs/Female 0 Kg/0 Cms ate: 09-Apr-2023 11:06:19 AM



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