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

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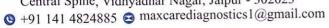
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General Physical Examination

Date of Examination: 11/03/2023
Name: Meeny Kanwar Age: 42 DOB: 14/01/1981 Sex: Female
Referred By: Bank of barola
Photo ID: PAN CARD ID #: MKIPK4583N
Ht: $\sqrt{53}$ (cm) Wt: $\overline{53}$ (Kg)
Chest (Expiration): <u>84</u> (cm) Abdomen Circumference: <u>79</u> (cm)
Blood Pressure: 120 80 mm Hg PR: 79 / min RR: 18 / min Temp: 120 Meber
eye viston
Eye Examination: RE, 6/6, M/6, MCB
L18 6/6 N/6 NEB
Other:
no t
On examination he/she appears physically and mentally fit: Yes / No
Signature Of Examine: Name of Examinee: Mecna Kanvay
Signature Medical Examiner: Name Medical Examiner Dr. U.C. Lyuptq
Dr. U. C. GUPTA MBBS, MD (Physician) RMC No. 291



(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. MEENA KANWAR

42 Yrs 2 Mon 1 Days Age :-

Sex :-Female



Patient ID :-12223332

Date :- 11/03/2023

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 ABOVE 401	EEMALE		
	FEIVIALE		
HAEMOGARAM			
HAEMOGLOBIN (Hb)	10.7 L	g/dL	12.0 - 15.0
TOTAL LEUCOCYTE COUNT	6.20	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHIL	65.0	%	40.0 - 80.0
LYMPHOCYTE	28.0	%	20.0 - 40.0
EOSINOPHIL	3.0	%	1.0 - 6.0
MONOCYTE	4.0	%	2.0 - 10.0
BASOPHIL	0.0	%	0.0 - 2.0
TOTAL RED BLOOD CELL COUNT (RBC)	3.82	x10^6/uL	3.80 - 4.80
HEMATOCRIT (HCT)	33.20 L	%	36.00 - 46.00
MEAN CORP VOLUME (MCV)	87.0	fl.	83.0 - 101.0
MEAN CORP HB (MCH)	27.9	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	32.1	g/dL	31.5 - 34.5
PLATELET COUNT	199	x10^3/uL	150 - 410
RDW-CV	14.2 H	%	11.6 - 14.0

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Page No: 1 of 14

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DR.TANU RUNGTA



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HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR)

15

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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Technologist Page No: 2 of 14 DR.TANU RUNGTA MD (Pathology) RMC No. 17226



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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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Page No: 3 of 14



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BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
FASTING BLOOD SUGAR (Plasma) Methord:- GOD POD	78.4	mg/dl	70.0 - 115.0
Impaired glucose tolerance (IGT)		111 - 125 mg/dL	
Diabetes Mellitus (DM)	SEC.	> 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

110.0

mg/dl

70.0 - 140.0

Instrument Name: HORIBA Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm, hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels(hypoglycemia) may result from excessive insulin therapy or various liver diseases .

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Page No: 4 of 14

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HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
GLYCOSYLATED HEMOGLOBIN (F Methord:- CAPILLARY with EDTA	HbA1C) 5.7	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	117	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 Gallacher et al. 1

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.

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 Glycohemoglotin Standardization Program (NGSP) criteria

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Page No: 5 of 14

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DR.TANU RUNGTA MD (Pathology)

RMC No. 17226



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HAEMATOLOGY

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



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Page No: 6 of 14

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BIOCHEMISTRY

Biological Ref Interval Test Name Value Unit LIPID PROFILE TOTAL CHOLESTEROL 250.00 H Desirable <200 mg/dl Methord:- CHOD-PAP methodology Borderline 200-239

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

TRIGLYCERIDES Methord - GPO-TOPS methodology 110.00

mg/dl

Normal

High> 240

<150

High Very high

Borderline high 150-199 High 200-499

>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 Methord:- Selective inhibition Method

62.00

mg/dl

Male 35-80

Female 42-88

Instrument Name: MISPA PLUS Interpretation: An inverse relationship between HDL-cholesterol (HDL-C) levels in serum and the incidence/prevalence of coronary heart disease (CHD) has been demonstrated in a number of epidemiological studies Accurate measurement of HDL-C is of vital importance when assessing patient risk from CHD. Direct measurement gives improved accuracy and reproducibility when compared to

precipitation methods. LDL CHOLESTEROL Methord:- Calculated Method

169.67 H

mg/dl

Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189

Very High > 190

Interpretation: Accurate measurement of LDL-Cholesterol is of vital importance in therapies which focus on lipid reduction to prevent atherosclerosis or reduce its progress and to avoid plaque rupture.

VLDL CHOLESTEROL 22.00 0.00 - 80.00mg/dl

T.CHOLESTEROL/HDL CHOLESTEROL RATIO 4.03 0.00 - 4.90

LDL / HDL CHOLESTEROL RATIO 2.74 0.00 - 3.50Methord:- Calculated TOTAL LIPID 694.94 mg/dl

Methord: - CALCULATED VIKARANTJI

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Page No: 7 of 14

400.00 - 1000.00

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BIOCHEMISTRY

- 1. Measurements in the same patient can show physiological& analytical variations. Three scrialsamples 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 fromperipheral 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 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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Page No: 8 of 14

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BIOCHEMISTRY

LIVER PROFILE WITH GGT				
SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo		0.85	mg/dL	Infants: 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo		0.24	mg/dL	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	3	0.61	mg/dl	0.30-0.70
SGOT Methord:- IFCC		30.9	U/L	Men- Up to - 37.0 Female - Up to - 31.0
SGPT Methord:- IFCC		49.7 H	U/L	Men- Up to - 40.0 Female- Up to - 31.0
SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE		59.00	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 pronou	nced than those	21.40 e 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-o-hepatic biliary obstruction. Only moderate elevations in the enzyme level		ormal)are observed with i	nfectious hepatitis.	
SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent		7.80	g/dl	5.10 - 8.00
SERUM ALBUMIN Methord:- Bromocresol Green		5.10	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION		2.70	gm/dl	2.20 - 3.50
A/G RATIO		1.89		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 eases) on those individuals taking certain medications, such as anticonvulsants, to ensure that the medications are not adversely impacting the person's liver.

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Technologist Page No: 9 of 14 DR.TANU RUNGTA



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BIOCHEMISTRY

RFT / KFT WITH ELECTROLYTES

SERUM UREA Methord:- Urease/GLDH 32.40

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

1.02

mg/dl

Males: 0.6-1.50 mg/dl Females: 0.6 -1.40 mg/dl

Interpretation:

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

clinically significant. SERUM URIC ACID

4.74

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

138.5

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

4.17

mmol/L

3.50 - 5.50

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

CHLORIDE

109.3

mmol/L

94.0 - 110.0

Interpretation: Used for Electrolyte monitoring.

SERUM CALCIUM

10.10

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 VNCARIA RITCIBiuret Reagent

7.80

g/dl

5.10 - 8.00

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Page No: 10 of 14

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BIOCHEMISTRY

SERUM ALBUMIN Methord:- Bromocresol Green	5.10	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	2.70	gm/dl	2.20 - 3.50
A/G RATIO	1.89		1.30 - 2.50

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

INTERPRETATION

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

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

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Page No: 11 of 14

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CLINICAL PATHOLOGY

Test Name Value Unit Biological Ref Interval

STOOL ANALYSIS

PHYSICAL EXAMINATION

MUCUS

BLOOD

MICROSCOPIC EXAMINATION

RBC's

WBC/HPF

OVA

CYSTS

OTHERS Collected Sample Received



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Page No: 12 of 14

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TOTAL THYROID PROFILE

IMMUNOASSAY

Test Name	Value	Unit	Biological Ref Interval
THYROID-TRIIODOTHYRONINE T3	0.86	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(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 TSH levels8. Normal T4 levels accompanied by 'T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis9. Normal or 'T3 & '1 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 Hypothyroid

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 pregi

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 ФНАТ ROID ace ТРНА ROMEN Et (ПА) is due to a real chance with ace o (in light reasing proportion of the knowled through disease in the elderly. *** 5.10 - 14.10

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

INTERPRETATION-Ultra Sensitive 4th generation assay 1.Primary hyperthyroidism is accompanied by †serum T3 & T4 values along with *TSH level.2 Low TSH, high FT4 and TSH receptor antibody(TRAb) +ve seen in patients with Graves disease 3.Low TSH,high FT4 and TSH receptor antibody(TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter 4. HighTSH,Low FT4 and Thyroid microsomal TSH_Low FT4 and TSH timulation test -Delayed response seen in patients with Table and TSH, Low FT4 and TSH teeplor antibody increased seen in patients with Hashimotos thyroiditis 5.HighTSH_Low FT4 and Thyroid microsomal antibody increased seen in patients with Iddine 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 levels accompanied by "T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis9.Normal or "T3 & "1 10.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism .11.Normal T3 & "T4 along with" TSH indicate mild / Subclinical Hypothyroidism .12.Normal T3 & T4 levels with "TSH indicate Mild / Subclinical Hypothyroidism .12.Normal T3 & T4 along with "TSH indicate mild / Subclinical Hypothyroidism .13.Normal T4 levels with "TSH indicate Mild / Subclinical Hypothyroidism .13.Normal 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 .15.Normal T3 & T4 along with "TSH indicate Mild / Subclinical Hypothyroidism .15.Normal T4 levels with "TSH indicate Mild / Subclinical Hypothyroidism .15.Normal T4 levels with "TSH indicate Mild / Subclinical Hypothyroidism .15.Normal T4 levels with "TSH indicate Mild / Subclinical Hypothyroidism .15.Normal T4 levels with "TSH indicate Mild / Subclinical Hypothyroidism .15.Normal T4 levels with "TSH indicate Mild / Subclinical Hypothyroidism .15.Normal T4 levels with "TSH indicate Mild / Subclinical Hypothyroidism .15.Normal T4 levels .15.N

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REMARK-Assay results should be interpreted in context to the clinical condition and associated results of other investigations. Previous treatment with conticosteroid therapy may result in lower TSH levels while thyroid hormone levels are normal. Results are invalidated if the client has undergone a radionuclide scan within 7-14 days before the test. Abnormal thyroid test findings often found in critically ill patients should be repeated after the 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 1.349

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

NTERPRETATION-Ultra Sensitive 4th generation assay

Technologist

Page No: 13 of 14

MD (Pathology) RMC No. 17226

Janu



(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. MEENA KANWAR

42 Yrs 2 Mon 1 Days Age :-

Sex :-Female



Patient ID: -12223332

Date :- 11/03/2023

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 12/03/2023 13:08:38

IMMUNOASSAY

2.Low TSH,high FT4 and TSH receptor antibody(TRAb) +ve seen in patients with Graves disease

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 golter
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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 & 1 serum TSH levels
8.Normal T4 levels accompanied by 1 T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis
9.Normal or 173 & 174 levels indicate T4 Thyrotoxicosis (problem is conversion of T4 to T3)
10.Normal T3 & 174 levels with 1 TSH indicate mild / Subclinical Hypothyroidism
11.Normal T3 & 1 4 along with 1 TSH indicate Mild / Subclinical Hypothyroidism
12.Normal T3 & T4 along with 1 TSH indicate Mild / Subclinical Hypothyroidism
13. Slightly 1. T3 levels with 1 TSH indicate Mild / Subclinical Hypothyroidism
13. Slightly 1. T3 levels may be found in prepanancy and in estrogen therapy while 1 levels may be encountered in severe illness. majoritific

13.Slightly † T3 levels may be found in pregnancy and in estrogen therapy while 1 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).

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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 NCIVINN-Assay results should be interpreted in context to the clinical condition and associated results of other investigations. Previous freatment 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 chance with ace or an increasing proportion of unrecognized thyroid disease in the elderty.

*** End of Report **

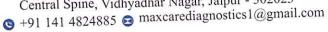
VIKARANTJI

Technologist Page No: 14 of 14

Janu DR.TANU RUNGTA MD (Pathology) RMC No. 17226

This report is not valid for medico legal purpose







NAME:	MRS. MEENA KANWAR	AGE/SEX	42 YRS/F
REF.BY	BANK OF BARODA	DATE	11/03/2023

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.

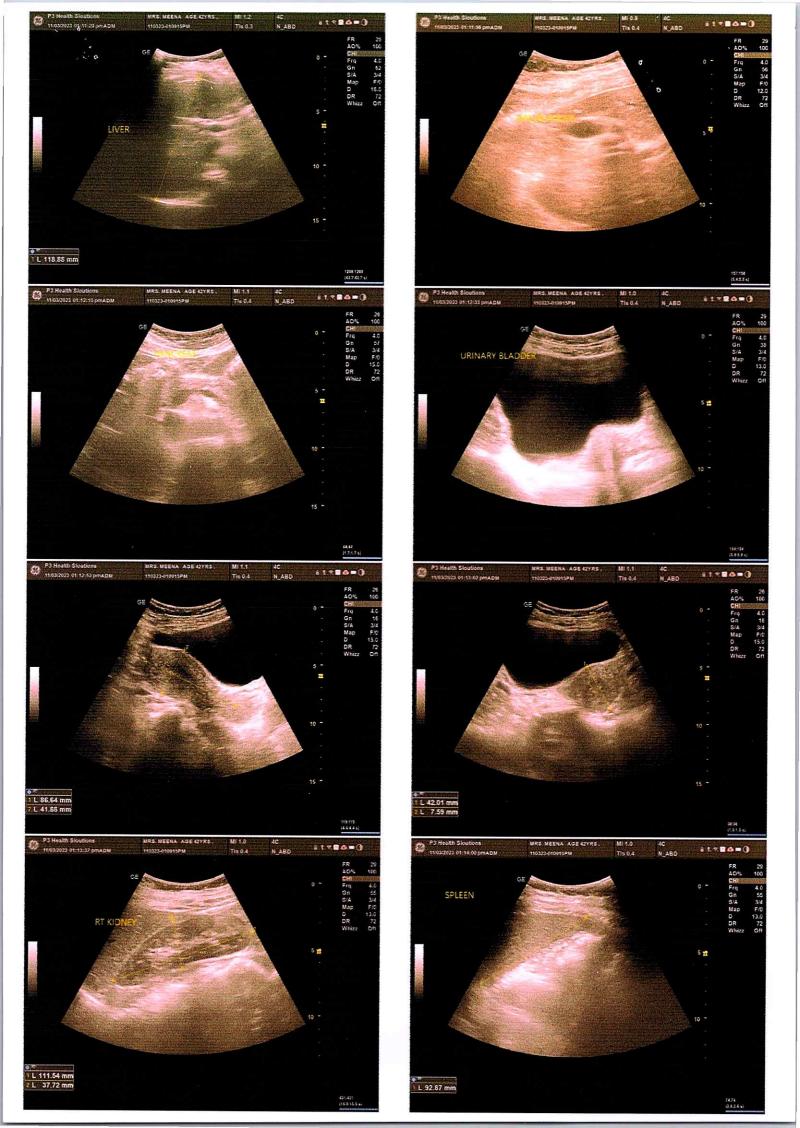
Soft tissue shadows appear normal.

IMPRESSION: No significant abnormality is detected.

Shallni

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

RMC No.: 21954







🕲 +91 141 4824885 😝 maxcarediagnostics1@gmail.com

MRS. MEENA KANWAR	Age: 42 Y/F	
Registration Date: 11/03/2023	Ref. by: BANK OF BARODA	

ULTRASOUND OF WHOLE ABDOMEN

Liver is of normal size (11.8 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 (9.2 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. 11.1 x 3.7 cm.

Left kidney is measuring approx. 10.4 x 4.0 cm.

Urinary bladder does not show any calculus or mass lesion.

Uterus is anteverted and normal in size (measuring approx. 8.6 x 4.1 x 4.2 cm).

Myometrium shows normal echo -pattern. No focal space occupying lesion is seen. Endometrial echo is normal. Endometrial thickness is 7.5 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

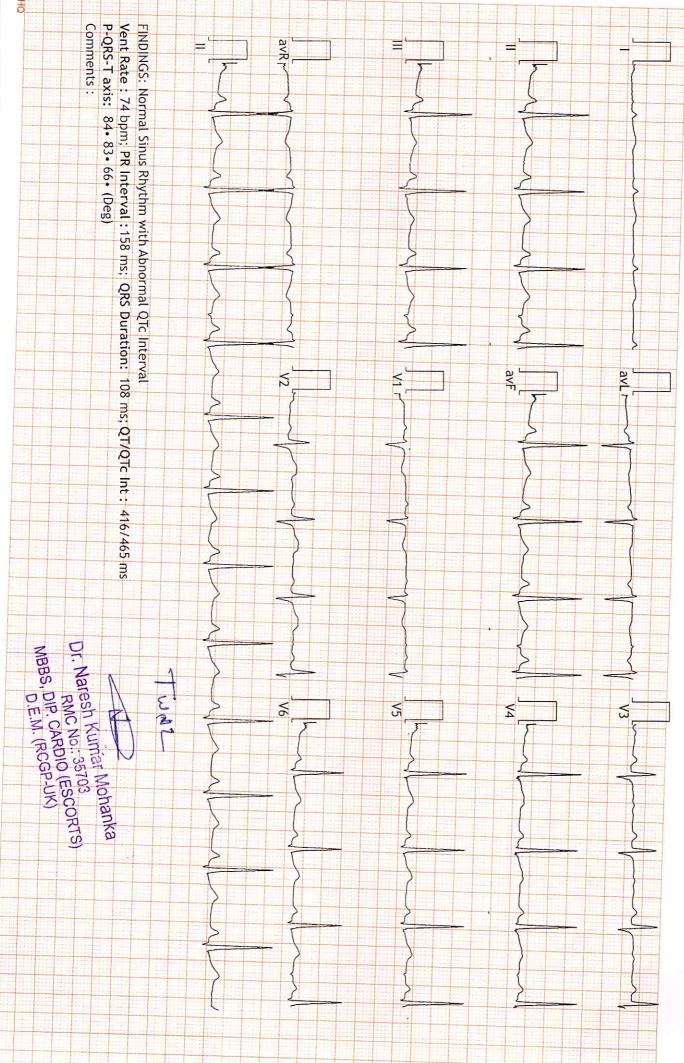
M.B.B.S, D.N.B (Radiodiagnosis)

RMC no.: 21954

3-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur kef.: BANK OF BARODA Test Date: 11-Mar-2023(15:44:17) Notch: 50Hz 0.05Hz - 100Hz 12229451323210/Mrs Meena Kanwar 42Yrs/Female 3 HEALIH SULUHUNS LLF Kgs/31 Cms 10mm/mV mmHg 25mm/Sec HR: 74 bpm \lesssim

PR Interval: 158 ms QRS Duration: 108 ms QT/QTc: 416/465ms P-QRS-T Axis: 84 - 83 - 66 (Deg)





summary

'3 HEALIH SOLUIIONS LLP
B-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur
1322466/mrs MEENA KANWAR 42 Yrs/Male 0 Kg/0 Cms
Date: 11-Mar-2023 03:49:43 PM
Ref.By: BANK OF BARODA
Medication:

Protocol : BRUCE History :

Stage StageTime P	PhaseTime Speed	Grade	METs H	H.R. B.P.	R.P.P. PVC Comments		S PR
			1.0 7	12	92 -		
Standing			1.0 7	76 120/80	91 -		
HV			1.0	86 120/80	103		
ExStart			1.0 103	3 120/80	123 -		
Stage 1 3:01	3:02 1.7	10.0	4.7 110	0 130/80	143 -		AVR
PeakEx 2:14	5:15 2.5	12.0	6.5 128	8 140/85	179 -		
Recovery 1:00	0.0	0.0	1.0 9	98 140/85	137 -		avL ————————————————————————————————————
Recovery 2:00	0.0	0.0	1.0 8	85 150/90	127 -		avr
Recovery 3:00	0.0	0.0	1.0	80 140/85	112		
Recovery 4:00	0.0	0.0	10	80 130/80	104 -		V1
Findings:						4, 4	V2
Exercise Time	:05:14					-0.2	V3 //
Max HR Attained	:128 bpm 7	:128 bpm 72% of Max Predictable HR 178	dictable HR	178		PreEx	
Max BP : 150/90(mmHg)		-					γ4
Max WorkLoad attained		6.5(Fair Effort Tolerance)		The Hotel Co.	4		
		Base 1)	Baseline eco show water	ON			V5.
		Howlet	HOWEVER Client dibbit	libbit achi	achieve her THR	-0.5	7 S.
		beCa	becalled fatigue	Table 72%		T C C C C C C C C C C C C C C C C C C C	3 6 9 12 15 18 21 Min.
		127	MCOUCH	mt inconclusive for RM1	7	N	
dvice/Comments:		60.	Cosselate Chically	(cully :		5	
					n Narash Kumar Mohalika	Mohalina	
					RMC No.: 35 (ESCORTS)	(ESCORTS)	
					ABBS, DIP. CAKU	P-UK)	
					D.E.M. (NO		

