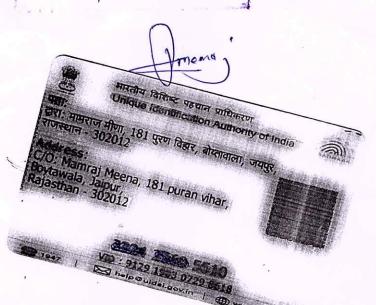
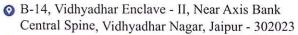


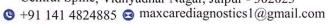
मेरा ^{VID : 9129} 1983 0229 188 मेरी पहिचाल

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











General Physical Examination

Date of Examination: ORIOVIZORS
Name: CHETAN PRAKASH MEENA Age: 39 DOB: 03/04/1984 Sex: Male
Referred By: BANK OF BARODA
Photo ID: AADHAR ID #: 557 0
Ht: 170 (cm) Wt: 71 (Kg)
Chest (Expiration): (cm)
Blood Pressure: 25 / 85 mm Hg PR: 79 / min RR: 18 / min Temp: Afebrile
вмі 24.6
Eye Examination: R 616 N,6 N,6
Other:
On examination he/she appears physically and mentally fit: Yes / No
Signature Of Examine: Name of Examinee: CHETAN PRAKASH META
Signature Medical Examiner: Dr. U. C. GUPTA Name Medical Examiner 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 → maxcarediagnosticsl@gmail.com
NAME: - Mr. CHETAN PRAKASH MEENA

39 Yrs 5 Days Age :-

Sex :-Male



Patient ID :-122365

Date :- 08/04/2023

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication : 09/04/2023 10:59:00

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
FULL BODY HEALTH CHECKUP BELOW 40	MALE		
HAEMOGARAM			
HAEMOGLOBIN (Hb)	14.3	g/dl.	13.0 - 17.0
TOTAL LEUCOCYTE COUNT	8.50	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT	*0		
NEUTROPHIL	66.0	%	40.0 - 80.0
LYMPHOCYTE	27.0	%	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)	5.05	x10^6/uL	4.50 - 5.50
HEMATOCRIT (HCT)	45.10	%	40.00 - 50.00
MEAN CORP VOLUME (MCV)	89.0	n.	83.0 - 101.0
MEAN CORP HB (MCH)	28.4	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	31.8	g/dl.	31.5 - 34.5
PLATELET COUNT	402	x10^3/uL	150 - 410
RDW-CV	13.5	%	11.6 - 14.0

VIKARANTJI

Technologist

Page No: 1 of 16

Janu

DR.TANU RUNGTA



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HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR)

09

mm in 1st hr

00 - 15

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



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Technologist Page No: 2 of 16 DR.TANU RUNGTA



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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



VIKARANTJI

Page No: 3 of 16



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Company :-Mr.MEDIWHEEL

Final Authentication: 09/04/2023 10 59:00

BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
FASTING BLOOD SUGAR (Plasma) Methord:- GOD POD	91.5	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

101.0

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.

VIKARANTJI

Technologist

Page No: 4 of 16

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HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
GLYCOSYLATED HEMOGLOBIN (H	<u>ГЬА1С)</u>		
Methord:- CAPILLARY with EDTA	5.0	mg%	Non-Diabetic < 6.0 Good Control 6.0-7.0 Weak Control 7.0-8.0 Poor control > 8.0
MEAN PLASMA GLUCOSE Methord:- Calculated Parameter	97	mg/dl,	68 - 125

INTERPRETATION

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

CLINICAL NOTES

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

1. Erythropoiesis

- Increased HbA1c: iron, vitamin B12 deficiency, decreased erythropoiesis.
- Decreased HbA1c: administration of erythropoietin, iron, vitamin B12, reticulocytosis, chronic liver disease
- 2. Altered Haemoglobin-Genetic or chemical alterations in hemoglobin; hemoglobinopathies, HbF, methemoglobin, may increase or decrease HbA1c

3. Glycation

- Increased HbA1c: alcoholism, chronic renal failure, decreased intraerythrocytic pH
- Decreased HbA1c; certain hemoglobinopathies, increased intra-erythrocyte pH

- 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 affect's the average lifespan of red blood cells (RBCs), such as hemolytic anemia or blood loss. When the lifespan of RBCs in circulation is shortened, the A1c result is falsely low and is an unreliable measurement of a person's average glucose over time 2. Abnormal forms of hemoglobin – The presence of some hemoglobin variants, such as hemoglobin S in sickle cell anemia, may affect certain methods for measuring A1c. In these cases, fructosamine can be used to monitor glucose control.

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

2. Hemoglobin HPLC screen to analyze abnormal hemoglobin variant.

estimated Average Glucose (eAG); based on value calculated according to National Glycohemoglobin Standardization Program (NGSP) criteria

VIKARANTJI

Technologist

Page No: 5 of 16

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



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HAEMATOLOGY

BLOOD GROUP ABO Methord:- Haemagglutination reaction

"B" POSITIVE



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Technologist Page No: 6 of 16

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



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BIOCHEMISTRY

	DIOCALLI	****	
Test Name	Value	Unit	Biological Ref Interval
LIPID PROFILE			
TOTAL CHOLESTEROL Methord:- CHOD-PAP methodology	135.00	mg/dl	Desirable <200 Borderline 200-239 High> 240
InstrumentName:MISPA PLUS Interpreta disorders.	tion: Cholesterol measurements	s are used in the diagnosis a	and treatments of lipid lipoprotein metabolism
TRIGLYCERIDES Methord:- GPO-PAP	85.00	mg/dl	Normal <150 Borderline high 150-199 High 200-499 Very high >500

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 Methord:- Selective inhibition Method 68.00

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

52.83

mg/dl

Optimal <100 Near Optimal/above optimal

100-129

-129

Borderline High 130-159 High 160-189

VLDL CHOLESTEROL
Methord: - Calculated

Very High > 190

0.00 - 80.00

T.CHOLESTEROL/HDL CHOLESTEROL RATIO 1.99 0.00 - 4.90 Methord: Calculated

LDL/HDL CHOLESTEROL RATIO 0.78 0.00 - 3.50

 Methord:- Calculated
 408.89
 mg/dl
 400.00 - 1000.00

 Methord:- CALCULATED
 408.89
 mg/dl
 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.
 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.

VIKARANTJI

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Page No: 7 of 16

Janu

DR.TANU RUNGTA MD (Pathology)

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BIOCHEMISTRY

Comments: 1- ATP III suggested the addition of Non HDL Cholesterol (Total Cholesterol – IIDL 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 IIDL 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 16 DR.TANU RUNGTA



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BIOCHEMISTRY

LIVER PROFILE WITH GGT			
SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo	0.68	mg/dL	Infants : 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo	0.21	mg/dL	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	0.47	mg/dl	0 30-0 70
SGOT Methord:- IFCC	31.3	U/I.	0.0 - 40.0
SGPT Methord:- IFCC	26.8	U/I.	0.0 - 40.0
SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE	140.00	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	32.80 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 it	efectious hepatitis	
SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent	7.47	g/dl	6.00 - 8.40
SERUM ALBUMIN Methord:- Bromocresol Green	4.85	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	2.62	gm/dl	2.20 - 3.50
A/G RATIO	1.85		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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Technologist Page No: 9 of 16 DR.TANU RUNGTA MD (Pathology) RMC No. 17226



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BIOCHEMISTRY

TO FORT /	T/TYP	ARLEGAR A	X 7 X	DOTTO	MARIO
241/	KKI	WILH	н.	ECTROI	VIEN

SERUM UREA Methord:- Urease/GLDH 29.40

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

1.21

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

5.70

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

142.2 Methord:- ISE

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

Methord:- Ion-Selective Electrode with Serum

4.72

mmol/L

3.50 - 5.10

Interpretation: A. Elevated potassium (hyperkalaemia). Artefactual, Physiologida 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

95.7

mmol/L

94.0 - 110.0

Interpretation: Used for Electrolyte monitoring.

SERUM CALCIUM

8.78

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 Riffc Biuret Reagent

7.47

g/dl

6.00 - 8.40

Technologist

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SERUM ALBUMIN Methord:- Bromocresol Green	4.85	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	2.62	gm/dl	2.20 - 3.50
A/G RATIO	1.85		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.

VIKARANTJI

Technologist
Page No: 11 of 16

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CLINICAL PATHOLOGY

URINE SUGAR (FASTING) Collected Sample Received

Nil

Nil



VIKARANTJI

Technologist Page No: 13 of 16 DR.TANU RUNGTA



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/HPF

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CLINICAL PATHOLOGY

STOOL ANALYSIS

PHYSICAL EXAMINATION

MUCUS

BLOOD

MICROSCOPIC EXAMINATION

RBC's

WBC/HPF

OVA

CYSTS

OTHERS Collected Sample Received



VIKARANTJI

Technologist

Page No: 14 of 16

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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 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 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 Multimodular goiter 4 High TSH.1 ow FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroiditis 5 High TSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with Iodine deficiency/Congenital T4 synthesis deficiency 6.Low TSH, but FT4 and TRH stimulation test - Delayed response seen in patients with Terriary hypothyroidism 7.Primary hypothyroidism is accompanied by 1 serum TS and T4 values 8 "serum TSH levels Normal T4 levels accompanied by 1 serum TS and T4 values 8 "serum TSH levels Normal T4 levels accompanied by 1 serum TSH levels with TSH le

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 uIU/mL The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy.

REMARK-Assay results should be interpreted in context to the clinical condition and associated results of other investigations. Previous treatment with corticosteroid therapy may result in lower TSH levels while thyroid hormone levels are normal. Results are invalidated if the client has undergone a radionuclide scan within 7-14 days before the test. Abnormal thyroid test findings often found in critically ill patients should be repeated after the critical nature of the condition is resolved. TSH is an important marker for the diagnosis of thyroid dysfunction. Recent studies have shown that the TSH distribution progressively stifts to a nigneral property 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 stifts to a nigneral property 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 stifts to a nigneral property 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 stifts to a nigneral property 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 stifts to a nigneral property of the condition is resolved. TSH is not a representation of the condition of the co Methord:- ECLIA

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

INTERPRETATION-Ultra Sensitive 4th generation assay 1. Primary hyperthyroidism is accompanied by †serum T3 & T4 values along with *TSH level 2 Low TSH, high FT4 and TSH receptor antibody (TRAb) +ve seen in patients with Graves disease 3.Low TSH,high FT4 and TSH receptor antibody(TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter 4.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Iodine 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 8. Normal T4 levels accompanied by 13 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 Hyperthyroidism

DURING PREGNANCY - REFERENCE RANGE for TSH IN uIU/mL (As per American Thyroid Association) 1st Trimester: 0.10-2:50 uIU/mL 2nd Trimester: 0.20-3:00 uIU/mL 3rd Trimester: 0.30-3:00 uIU/mL. The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy

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TSH 1.578 μIU/ml. Methord:- ECLIA

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 hyperthyroidism is accompanied by †serum T3 & T4 values along with † TSH level

Technologist

Page No: 15 of 16

DR.TANU RUNGTA

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 :- Mr. CHETAN PRAKASH MEENA

Age :-39 Yrs 5 Days

Sex :-Male



Patient ID :-122365

Date :- 08/04/2023

10:00:05

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 09/04/2023 10:59:00

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 thyroidilis
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.Primary hypothyroidism is accompanied by ‡ serum T3 and T4 values & †serum TSH levels 8.Normal T4 levels accompanied by † T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis

8 Normal 14 levels accompanied by † 13 levels and low 17st are seen in patients with 13 hry
9.Normal or † 13 & † 14 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 & † 14 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 1 levels may be encountered in severe illness, malnutrition, renal failure and during therapy with drugs like propancial.

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 UIU/mL (As per American Thyrnid 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.

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*** End of Report ***

VIKARANTJI

Technologist Page No: 16 of 16

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



(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

\$\text{9} +91 141 4824885 \text{ maxcarediagnostics1@gmail.com}

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Company :-

Mr.MEDIWHEEL

Final Authentication: 09/04/2023 10:59:00

CLINICAL PATHOLOGY

Test Name	Value	Unit	Biological Ref Interval
Urine Routine			
PHYSICAL EXAMINATION			
COLOUR	YELLO)W	PALE YELLOW
APPEARANCE	Clear		Clear
CHEMICAL EXAMINATION			
REACTION(PH)	6.0		5.0 - 7.5
SPECIFIC GRAVITY	1.030		1.010 - 1.030
PROTEIN	NII.		NII.
SUGAR	NII.		NIL
BILIRUBIN	NEGA	ΓIVF.	NEGATIVE
UROBILINOGEN	NORM	IAL	NORMAL.
KETONES	NEGA	TIVE A	NEGATIVE
NITRITE	NEGA	TIVE	NEGATIVE
MICROSCOPY EXAMINATIO	N /		
RBC/HPF	NIL	/HPF	NII.
WBC/HPF	2-3	/HPF	2-3
EPITHELIAL CELLS	2-3	. /HPF	2-3
CRYSTALS/HPF	ABSE	NT /	ABSENT
CAST/HPF	ABSE	NT /	ABSENT
AMORPHOUS SEDIMENT	ABSE	NT T	ABSENT
BACTERIAL FLORA	ABSE	VT	ABSENT
YEAST CELL	ABSE	VT	ABSENT
OTHER	ABSE	VT	

VIKARANTJI

Technologist

Page No: 12 of 16

DR.TANU RUNGTA

3 HEALIH SULUTIUNS LLF 3-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur Ref.: BANK OF BARODA 12229451323405/Chetan Prakash Meena 39Yrs/Male Vent Rate: 68 bpm; PR Interval: 168 ms; QRS Duration: 106 ms; QT/QTc-Int: 389/415 ms P-QRS-T axis: 54 • 62 • 39 • (Deg) Comments: FINDINGS: Abnormal ECG with Indication of Left Ventricular Hypertro Test Date: 08-Apr-2023(3:25:39 P) Notch: 50Hz 0.05Hz - 100Hz Kgs/ Cms 12 BP: 10mm/mV mmHg 25mm/Sec Dr. Navesadsumar atohanka 1885 DIP CARDIO (ESCORTS) HR: 68 bpm 527 ٧6 5 $\stackrel{\scriptstyle <}{\scriptstyle 4}$ QT/QTc: 389/415ms P-QRS-T Axis: 54 - 62 - 39 (Deg) QRS Duration: 106 ms PR Interval: 168 ms

summary

1322552/CHETAN PRAKASH MEENA 39 Yrs/Male 0 Kg/0 Cms Date: 08-Apr-2023 03:28:41 PM Ref. By : BANK OF BARODA

Medication:

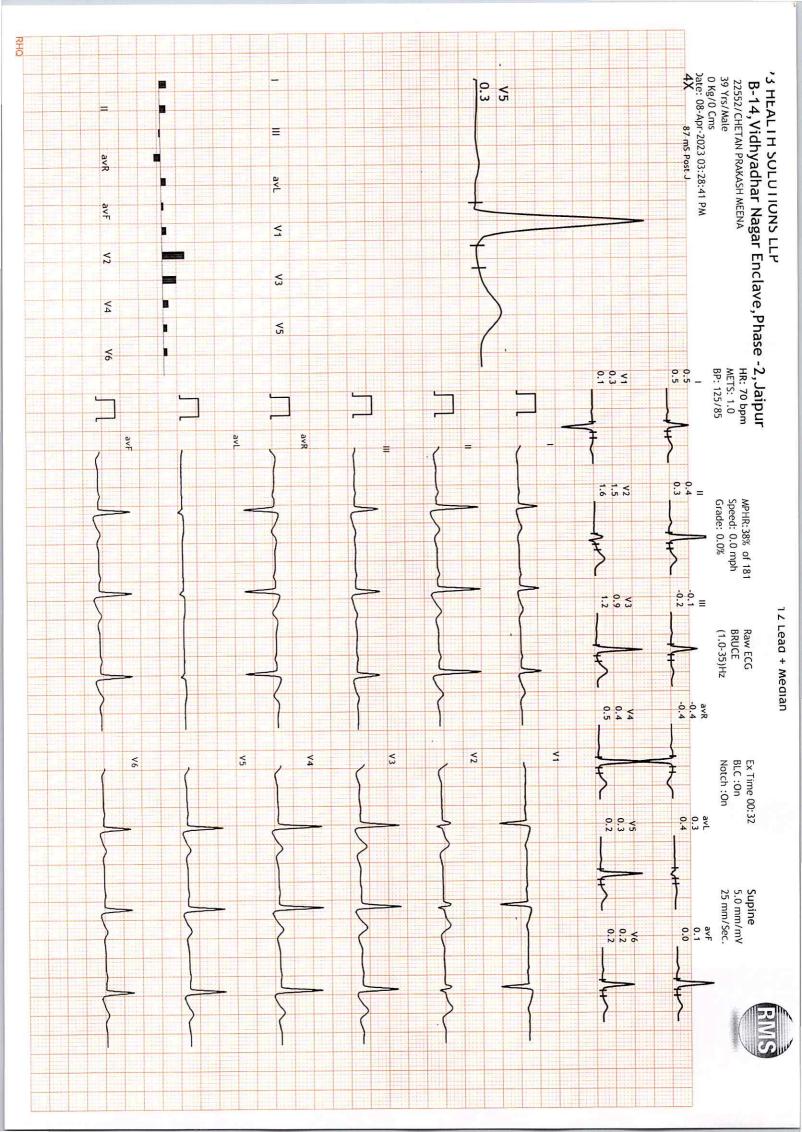
Protocol : BRUCE History:

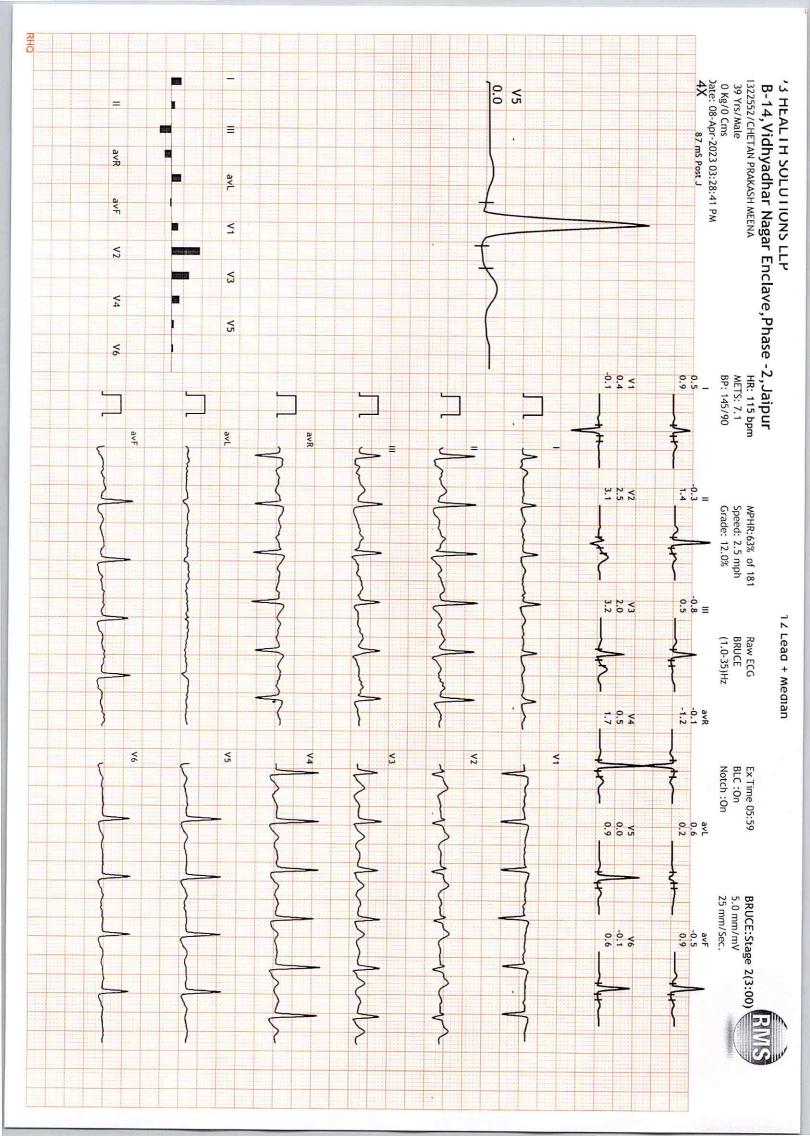
RHO dvice/Comments: itage Stage 1 Recovery PeakEx Stage 2 ₹ Supine Recovery Recovery Stage 3 ExStart Standing Recovery ¥ Objective: Findings: Max WorkLoad attained :12.3(Good Effort Tolerance) Max BP : 165/95(mmHg) Max HR Attained Exercise Time StageTime PhaseTime Speed
(Min:Sec) (Min:Sec) (mph) 3:00 2:00 1:00 3:01 3:01 3:01 1:52 10:53 9:02 6:02 3:02 :10:52 :155 bpm 86% of Max Predictable HR 181 4.2 0.0 3.4 2.5 1.7 Grade 14.0 0.0 0.0 16.0 12.0 10.0 10.2 1.0 1.0 1.0 1.0 METS 1.0 119 H.R. 155 115 89 95 92 40 71 69 97 79 87 99 RMC No.: 35703

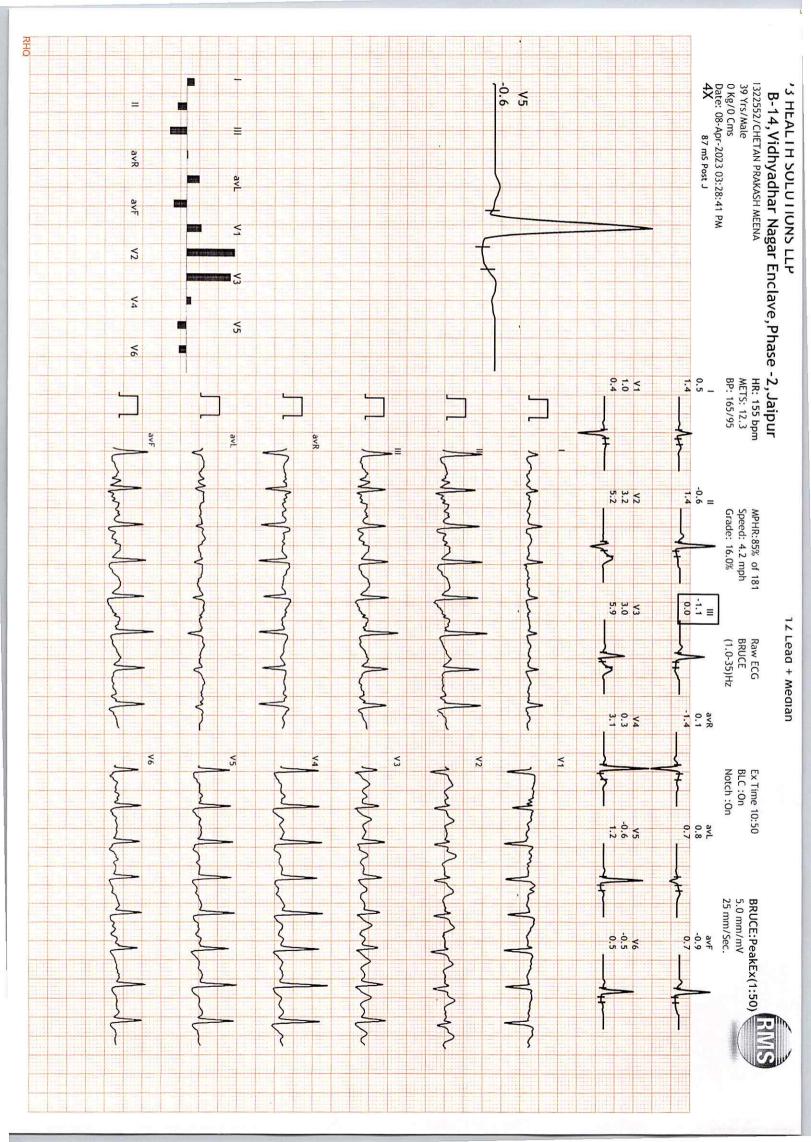
RMC No.: 35703

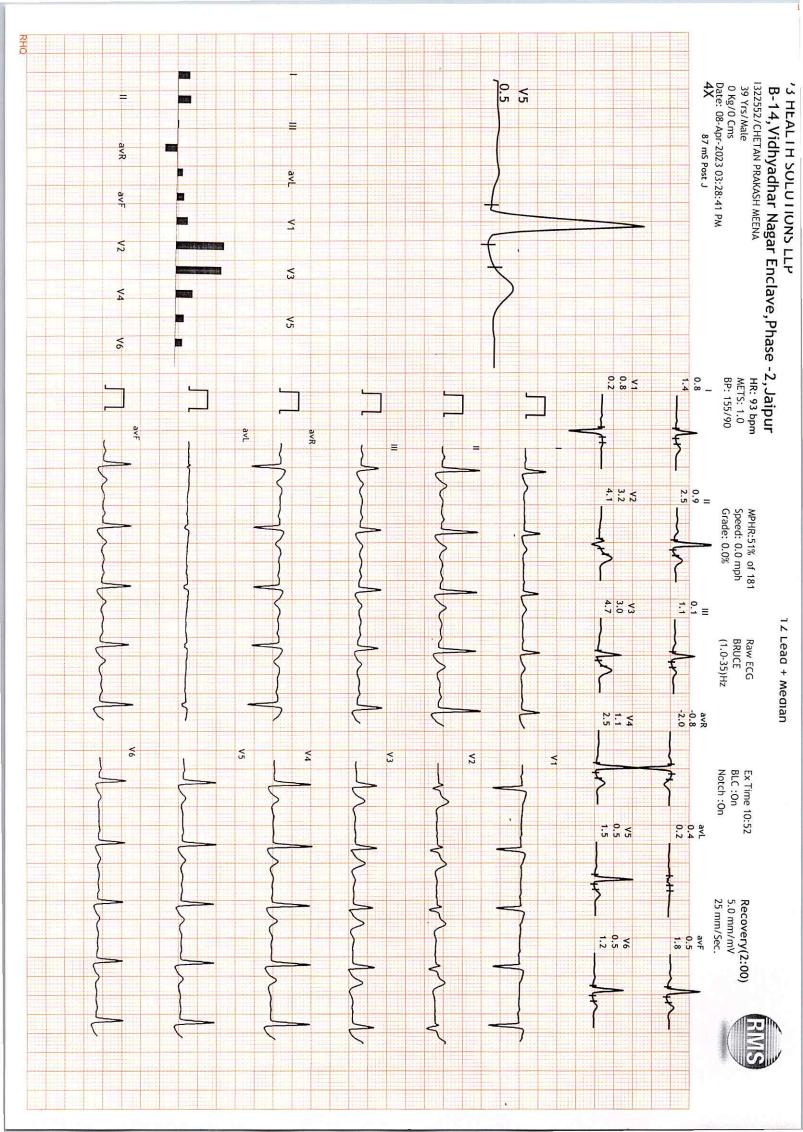
(BSCORTS)

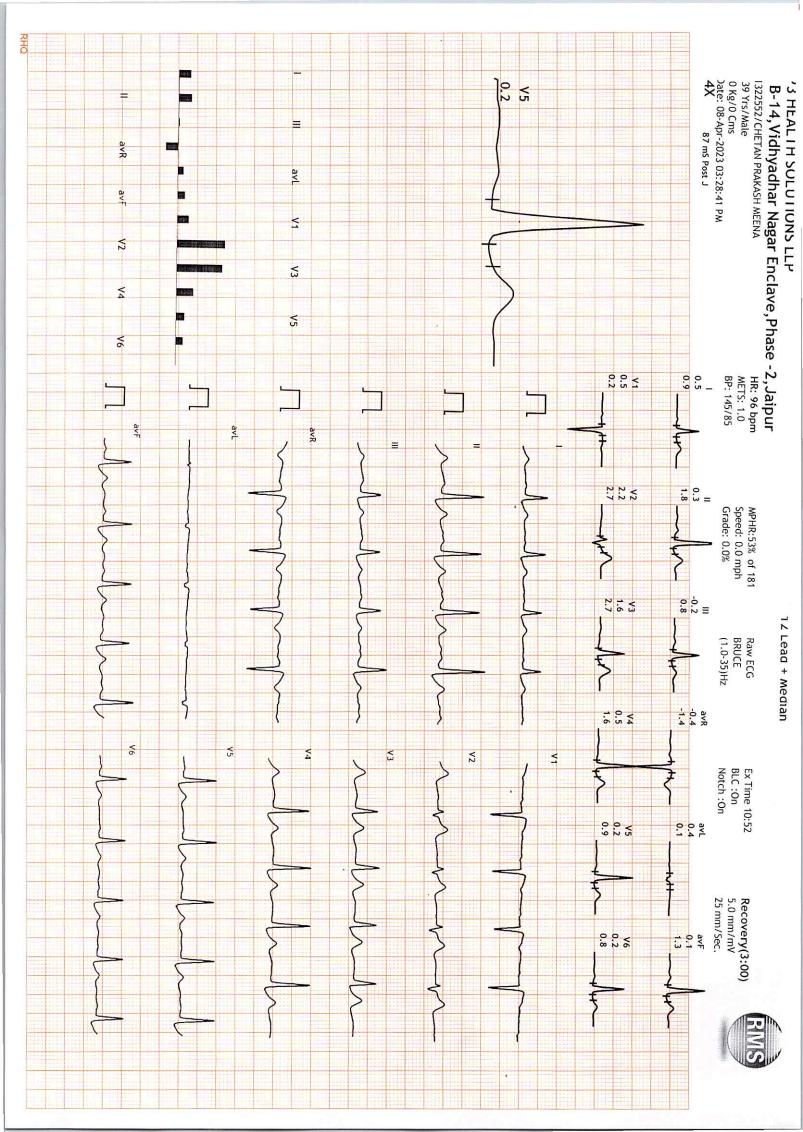
(BSS, DIP. CARDIO (ESCORTS) THI IS NEBALIVE FOR RMI Dr. Naresh Kumar Mohanka 125/85 165/95 135/85 145/85 155/90 165/95 155/90 145/90 135/85 125/85 125/85 125/85 125/85 B.P. R.P.P. 137 196 120 142 255 217 130 123 166 108 98 88 86 PVC Comments PreEx Ξ PeakEx 0.2 avf avR 16 **Y**5 **V4** √3 12 4 STL 6 0.5 mm/Div 9 5 3 P.R 12 15 18 21 Min.













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NAME:	MR. CHETAN PRAKASH MEENA	AGE/SEX	39 YRS/M
REF.BY	BANK OF BARODA	DATE	09/04/2023

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.

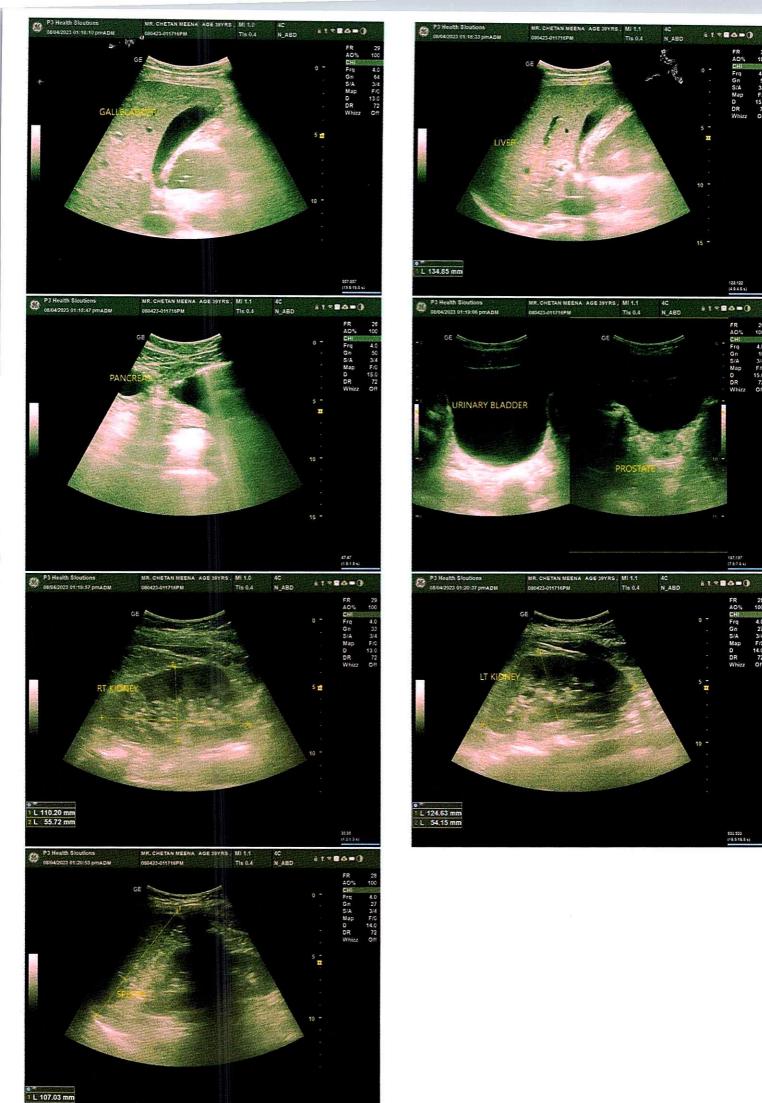
Soft tissue shadows appear normal.

IMPRESSION: No significant abnormality is detected.

Shallni

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

RMC No.: 21954



(16164)



♥ +91 141 4824885 ★ maxcarediagnostics1@gmail.com



MR. CHETAN PRAKASH MEENA	39 Y/Male
Registration Date: 08/04/2023	Ref. by: BANK OF BARODA

ULTRASOUND OF WHOLE ABDOMEN

Liver is of normal size (13.4 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 (10.7 cm). Echotexture is normal. No focal lesion is seen.

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

Right kidney is measuring approx. 11.0 x 5.5 cm.

Left kidney is measuring approx. 12.4 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:- No significant abnormality is detected.



DR.SHALINI GOEL

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

RMC no.: 21954

