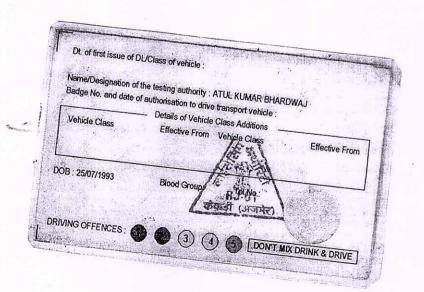


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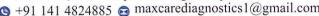
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Dr. U. C. GUPTA MBBS, MO (Physician) RMC No. 291





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# **General Physical Examination**

Date of Examination: <u>07/01/2023</u>
Name: DEVI SINGH CHARAH Age: 99 DOB: 25/07/1993 Sex: MAE
Referred By: BANK of BARODA
Photo ID: DL ID #: RJOJ/DLC/12/24448
Ht: <u>179</u> (cm) Wt: <u>91</u> (Kg)
Chest (Expiration): 106 (cm) Abdomen Circumference: 96 (cm)
Blood Pressure: 185/85 mm Hg PR: 78 / min RR: 18 / min Temp: cofebble
BMI
Eye Examination: RES 6.6, NI6 NCB
Other:
On examination he/she appears physically and mentally fit: Yes/No  Signature Of Examine:
Signature Of Examine: Name of Examinee:
Signature Medical Examiner:  Name Medical Examiner U.C. CAUPHA  Dr. U. C. GUPTA  MBBS, MD (Physician)  RMC No. 291



O B-14, Vidhyadhar Enclave - II, Near Axis Bank 



NAME:	MR. DEVI SINGH CHARAN	AGE	29 YRS/M
REF.BY	BANK OF BARODA	DATE	07/01/2023

## CHEST X RAY (PA VIEW)

Bilateral lung fields appear clear.

Bilateral costo-phrenic angles appear clear.

Cardiothoracic ratio is normal.

Thoracic soft tissue and skeletal system appear unremarkable.

Soft tissue shadows appear normal.

IMPRESSION: No significant abnormality is detected.

Shallni

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



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NAME :- Mr. DEVI SINGH CHARAN

29 Yrs 5 Mon 15 Days Age :4

Sex :-Male



Patient ID: -12222820

Date :- 07/01/2023

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company:-

Mr.MEDIWHEEL

Final Authentication: 07/01/2023 15:13:11

## **HAEMATOLOGY**

Test Name	Value	Unit	Biological Ref Interval
FULL BODY HEALTH CHECKUP BELOW 40	MALE		
	WALL		
HAEMOGARAM	12.1	7.17	12.0 17.0
HAEMOGLOBIN (Hb)	16.1	g/dL	13.0 - 17.0
TOTAL LEUCOCYTE COUNT	5.40	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHIL	50.0	%	40.0 - 80.0
LYMPHOCYTE	40.0	%	20.0 - 40.0
EOSINOPHIL	4.0	%	1.0 - 6.0
MONOCYTE	6.0	%	2.0 - 10.0
BASQPHIL	0.0	%	0.0 - 2.0
TOTAL RED BLOOD CELL COUNT (RBC)	5.41	x10^6/uL	4.50 - 5.50
HEMATOCRIT (HCT)	48.20	%	40.00 - 50.00
MEAN CORP VOLUME (MCV)	89.0	fL	83.0 - 101.0
MEAN CORP HB (MCH)	29.8	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	33.4	g/dL	31.5 - 34.5
PLATELET COUNT	136 L	x10^3/uL	150 - 410
RDW-CV	13.1	%	11.6 - 14.0
MENTZER INDEX A complete blood picture (CBP) is a kind of blood test t	16.45 H hat is done to asses	ss a person's overall health and	0.00 - 0.00 I diagnose a wide range of health

disorders like leukemia, anemia and other infections.

A complete blood count (CBC) is a complete blood test that diagnose many components and features of a persons blood which includes: -

\*Red Blood Cells (RBC), which carry oxygen -

(CBC): Methodology: TLC,TRBC,PCV,PLT Impedance method, HB Calorimetric method, and MCH,MCV,MCHC,MENTZER INDEX are calculated. InstrumentName: MINDRAY BC-3000 Plus 3 part automatic analyzer,

VIKARANTJI

Technologist Page No: 1 of 16 DR.TANU RUNGTA

<sup>\*</sup>White Blood Cells (WBC), which help in fighting against infections -

<sup>\*</sup>Hemoglobin, which is the oxygen carrying protein in the red blood cells -

<sup>\*</sup>Hematocrit (HCT), the proportion of RBC to the fluid component, or plasma present in blood -

<sup>\*</sup>Platelets, which aid in blood clotting



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NAME :- Mr. DEVI SINGH CHARAN

Age:- 29 Yrs 5 Mon 15 Days

Sex :- Male



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Date :- 07/01/2023

08:37:42

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## **HAEMATOLOGY**

Erythrocyte Sedimentation Rate (ESR) Methord:- Westergreen 06

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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NAME :- Mr. DEVI SINGH CHARAN

Age :-29 Yrs 5 Mon 15 Days

Sex :-Male

Date :- 07/01/2023 Patient ID: -12222820

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-Mr.MEDIWHEEL

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**BIOCHEMISTRY** 

Test Name	Value	Unit	Biological Ref Interval
FASTING BLOOD SUGAR (Plasma) Methord: GOD POD	75.3	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

97.2

mg/dl

70.0 - 140.0

Instrument Name: HORIBA Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm, hyper(hyroidism 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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NAME :- Mr. DEVI SINGH CHARAN

Age:- 29 Yrs 5 Mon 15 Days

Sex :- Male

Patient ID: -12222820 Date: - 07/01/2023

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

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### HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
GLYCOSYLATED HEMOGLOBIN (HbA1C)		200	

Methord:- CAPILLARY with EDTA

5.6

mg%

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

MEAN PLASMA GLUCOSE

Methord:- Calculated Parameter

114

mg/dL

68 - 125

INTERPRETATION

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

CLINICAL NOTES

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

Some of the factors that influence HbA1c and its measurement [Adapted from Gallagher et al.]

- 1. Erythropoiesis
- Increased HbA1c: iron, vitamin B12 deficiency, decreased erythropoiesis.
- Decreased HbA1c: administration of erythropoietin, iron, vitamin B12, reticulocytosis, chronic liver disease.
- 2. Altered Haemoglobin-Genetic or chemical alterations in hemoglobin: hemoglobin: hemoglobin: HbF, methemoglobin, may increase or decrease HbA1c.
- 3. Glycation
- Increased HbA1c: alcoholism, chronic renal failure, decreased intraerythrocytic pH.
- Decreased HbA1c: certain hemoglobinopathies, increased intra-erythrocyte pH
- 4. Erythrocyte destruction
- Increased HbA1c: increased erythrocyte life span: Splenectomy
- Decreased A1c: decreased RBC life span: hemoglobinopathies, splenomegaly, rheumatoid arthritis or drugs such as antiretrovirals, ribavirin & dapsone.
- 5. Others
- Increased HbA1c; hyperbilirubinemia, carbamylated hemoglobin, alcoholism, large doses of aspirin, chronic opiate use chronic renal failure
- Decreased HbA1c: hypertriglyceridemia, reticulocytosis, chronic liver disease, aspirin, vitamin C and E, splenomegaly, rheumatoid arthritis or drugs

### Note:

1. Shortened RBC life span –HbA1c test will not be accurate when a person has a condition that affects the average lifespan of red blood cells (RBCs), such as hemolytic anemia or blood loss. When the lifespan of RBCs in circulation is shortened, the A1c result is falsely low and is an unreliable measurement of a person's average glucose over time.

2. Abnormal forms of hemoglobin – The presence of some hemoglobin variants, such as hemoglobin S in sickle cell anemia, may affect certain methods for measuring A1c. In these cases, fructosamine can be used to monitor glucose control.

### Advised

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

2. Hemoglobin HPLC screen to analyze abnormal hemoglobin variant

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

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DR.TANU RUNGTA



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NAME :- Mr. DEVI SINGH CHARAN

Age: 29 Yrs 5 Mon 15 Days

Sex :- Male -

Patient ID: -12222820 Date: - 07

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## **HAEMATOLOGY**

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



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Technologist Page No: 6 of 16 DR. TANURUN



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NAMÉ :- Mr. DEVI SINGH CHARAN

29 Yrs .5 Mon 15 Days

Sex :-Male



Patient ID: 12222820

Date :- 07/01/2023

Ref. By Doctor:-BANK OF BARODA

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Company :-

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### BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
LIPID PROFILE			
TOTAL CHOLESTEROL Methord:- CHOD-PAP methodology	140.00	mg/dl	Desirable <200 Borderline 200-239 High> 240
InstrumentName: MISPA PLUS Interpretate disorders.	tion: Cholesterol measurements	are used in the diagnosis	and treatments of lipid lipoprotein metabolism
TRIGLYCERIDES Methord:- GPO-TOPS methodology	<b>210.00</b> H	mg/dl	Normal <150 Borderline high 150-199 High 200-499
/ InstrumentName:MISPA PLUS Interpreta:	tion: Triglyceride measurement	s are used in the diagnosis	Very high >500 s and treatment of diseases involving lipid

metabolism and various endocrine disorders e.g. diabetes mellitus, nephrosis and liver obstruction,

DIRECT HDL CHOLESTEROL

58.60

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

46.40

mg/dl

Optimal <100 Near Optimal/above optimal 100-129

Borderline High 130-159 High 160-189 Very High > 190

VLDL CHOLESTEROL Methord: - Calculated

T.CHOLESTEROL/HDL CHOLESTEROL RATIO 2.39

0.79

42.00

mg/dl

0.00 - 80.000.00 - 4.90

LDL / HDL CHOLESTEROL RATIO Methord:- Calculated

0.00 - 3.50

TOTAL LIPID

545.24

mg/dl

400.00 - 1000.00

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

2. As per NCEP guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended

3. Low HDL levels are associated with Coronary Heart Disease due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated fromperipheral tissues.

Comments: 1- ATP III suggested the addition of Non HDL Cholesterol (Total Cholesterol – HDL Cholesterol) as an indicator of all

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### **BIOCHEMISTRY**

LIVER PROFILE WITH GGT			
SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo	0.46	mg/dL	Infants: 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo	0.17	mg/dL	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	0.29	mg/dl	0.30-0.70
SGOT Methord:- IFCC	52.9 H	U/L	Men- Up to - 37.0 Female - Up to - 31.0
SGPT Methord:- IFCC	92.1 H	U/L	Men- Up to - 40.0 Female- Up to - 31.0
SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE	160.00 H	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	18.40 e with other liver enzymes	U/L s 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 i	infectious hepatitis.	8
SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent	5.33	g/dl	5.10 - 8.00
SERUM ALBUMIN Methord:- Bromocresol Green	4.61	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord: - CALCULATION	0.72 L	gm/dl	2.20 - 3.50
A/G RATIO	6.40 H		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

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DR.TANU RUNGTA



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NAME :- Mr. DEVI SINGH CHARAN

29 Yrs 5 Mon 15 Days Age :-

Sex :-Male

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## BIOCHEMISTRY

RFT / KFT WITH ELECTROLYTES

SERUM UREA Methord:- Urease/GLDH 18.60

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

1.04

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

6.52

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

SODIÚM

133.8 L

135.0 - 150.0

Methord:- ISE Interpretation: Decreased sodium - Hyponatraemia Causes include: fluid or electrolyte loss, Drugs, Oedematous states, Legionnaire's disease and other chest infections, pseudonatremia, Hyperlipidaemias and paraproteinaemias, endocrine diseases, SIADH.

**POTASSIUM** 

Methord:- ISE

3.96

mmol/L

3.50 - 5.50

A. Elevated potassium (hyperkalaemia). Artefactual, Physiologida vation, Drugs, Pathological states, Renal failure Interpretation: 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

103.8

mmol/L

94.0 - 110.0

Interpretation: Used for Electrolyte monitoring.

SERUM CALCIUM

Methord:- Colorimetric method

7.99 L

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 pancréatitis.

SERUM TOTAL PROTEIN

VIKARARITECI Biuret Reagent

SERUM ALBUMIN Methord:- Bromocresol Green 5.33

g/dl

5.10 - 8.00

Janu

**Technologist** Page No: 10 of 16 4.61

g/dl

DR.TANU RUNGTA



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## **BIOCHEMISTRY**

SERUM GLOBULIN Methord:- CALCULATION 0.72 L

gm/dl

2.20 - 3.50

A/G RATIO

6.40 H

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-houreoflections 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 bloodinereases. 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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of farm



Age :-

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### TOTAL THYROID PROFILE

## **IMMUNOASSAY**

Test Name	Value	Unit	Biological Ref Interval
THYROID-TRIIODOTHYRONINE T3	1.09	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 micros anithody 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

TSH, Low F14 and TRA stitution test -Delayed response seem in patients with Tettady hypothyroidism is accompanied by 1 serum T3 and T4 values & Serum T5H levels Accompanied by 1 Serum T5 and T4 values & Serum T5H levels Accompanied by 1 Serum T5H levels accompanied by 1 Serum T5H levels and T5H levels accompanied by 1 Serum T5H levels with 1 Serum T5H levels accompanied by 1 Serum T5H levels with 1 Serum T5H levels accompanied by 1 Serum T5H levels with 1 Serum T5H levels accompanied by 1 Serum T5H levels with 1 Serum T5H levels accompanied by 1 Serum T5H levels with 1 Serum T5H levels accompanied by 1 Serum T5H levels with 1 Serum T5H levels accompanied by 1 Serum T5H levels with 1 Serum T5H

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 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 **PHYROID** 102\* **PHYROXONNE** (**TAS**) is due to a real chance with ace of the condition of 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 **PHYROID** 102\* **PHYROXONNE** (**TAS**) is due to a real chance with ace of the condition of 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

INTERPRETATION-Ultra Sensitive 4th generation assay 1.Primary hyperthyroidism is accompanied by 1.serum T3 & T4 values along with \*TSH level 2.Low TSH,high FT4 and TSH receptor antibody(TRAb) +ve seen in patients with Graves disease 3.Low TSH,high FT4 and TSH receptor antibody(TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter 4.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroiditis 5.HighTSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with Iodine deficiency/Congenital T4 synthesis deficiency 6.Low TSH,Low FT4 and TRH stimulation test -Delayed response seen in patients with Tertlary hypothyroidism 7.Primary hypothyroidism is accompanied by 1.serum T3 and T4 values & "serum T5H levels Normal T4 levels accompanied by "T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis9 Normal or T3 & T4 along with "TSH indicate mild / Subclinical Hypoth

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

REMARK-Assay results should be interpreted in context to the clinical condition and associated results of other investigations. Previous treatment with corticosteroid therapy may result in lower TSH levels while thyroid hormone levels are normal. Results are invalidated if the client has undergone a radionuclide scan within 7-14 days before the test. Abnormal thyroid test findings often found in critically ill patients should be repeated after the critical nature of the condition is resolved. TSH is an important marker for the diagnosis of thyroid dysfunction. Recent studies have shown that the TSH distribution progressively shifts to a 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 3.635

uIU/mL

0.350 - 5.500

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

NTERPRETATION-Ultra Sensitive 4th generation assay

**Technologist** Page No: 15 of 16

DR.TANU RUNGTA MD (Pathology)

RMC No. 17226

Janu



(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

© +91 141 4824885 ⋒ maxcarediagnostics1@gmail.com

NAME :- Mr. DEVI SINGH CHARAN

Age:- 29 Yrs 5 Mon 15 Days

Sex :- Male

Patient ID :-12222820

Date :- 07/01/2023

08:37:42

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 07/01/2023 15:13:11

## **CLINICAL PATHOLOGY**

STOOL ANALYSIS
PHYSICAL EXAMINATION

COLOUR CONSISTENCY

MUCUS BLOOD

MICROSCOPIC EXAMINATION

RBC's

WBC/HPF

MACROPHAGES

OVA

**CYSTS** 

TROPHOZOITES

CHARCOT LEYDEN CRYSTALS

OTHERS Collected Sample Received YELLOW BROWN

SEMI SOLID

ABSENT

ABSENT

NIL

/HPF

/HPF

NIL

**ABSENT** 

ABSENT

ABSENT

ABSENT

ABSENT

ABSENT

VIKARANTJI

Technologist
Page No: 14 of 16

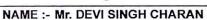
DR.TANU RUNGTA



(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

⊕ +91 141 4824885 maxcarediagnostics1@gmail.com



Age:- 29 Y Sex:- Male

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Mr.MEDIWHEEL

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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	1.025		1.010 - 1.030	
PROTEIN	NIL	SM SECTION AND ADDRESS OF THE PARTY OF THE P	NII.	
SUGAR	NIL		NIL	
BILIRUBIN	NEGATIVI	Ē Ţ	NEGATIVE	
UROBILINOGEN	NORMAL		NORMAL	
KETONES	NEGATIVE		NEGATIVE	
NITRITE	NEGATIVI		NEGATIVE	
MICROSCOPY EXAMINATION		Variable		
RBC/HPF	NIL	/HPF	NIL	
WBC/HPF	2-3	/HPF	2-3	
EPITHELIAL CELLS	2-3	/HPF	2-3	
CRY\$TALS/HPF	ABSENT		ABSENT	
CAST/HPF	ABSENT		ABSENT	
AMORPHOUS SEDIMENT	ABSENT		ABSENT	
BACTERIAL FLORA	ABSENT		ABSENT	
YEAST CELL	ABSENT		ABSENT	
OTHER	ABSENT	SCOOTS		

VIKARANTJI

Technologist
Page No: 12 of 16

DR.TANU RUNGTA

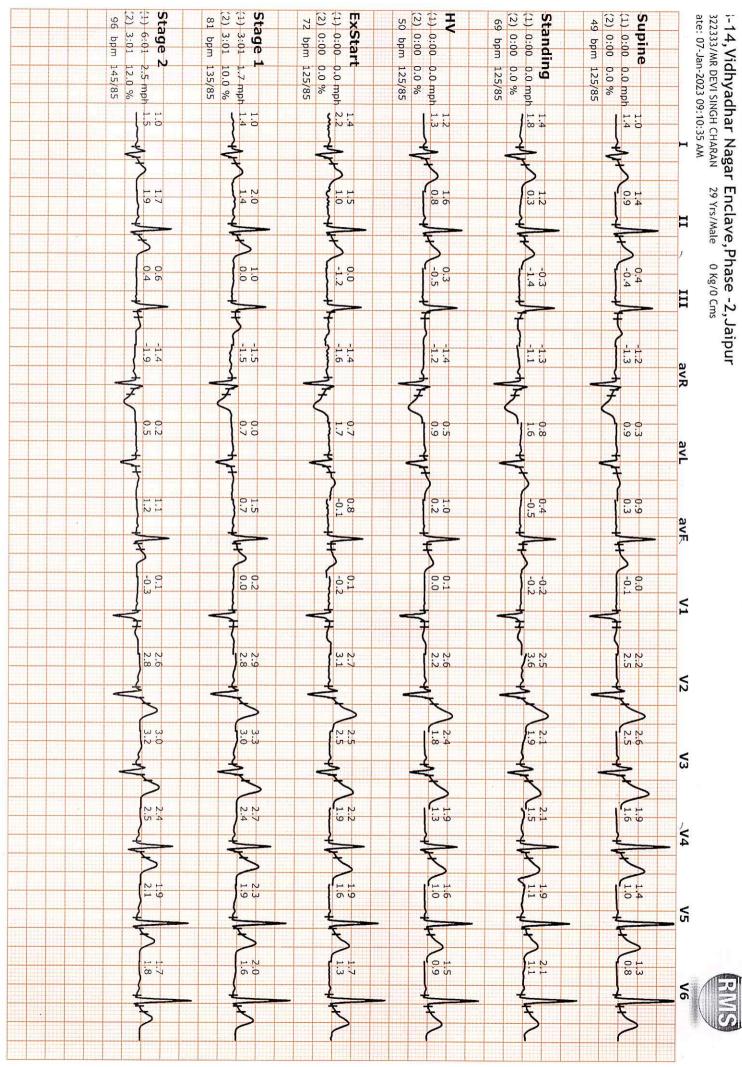
3 HEALIH SOLOTIONS LLF 3-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur 12229451322796/Mr Devi Singh Charan 29Yrs/Male 
 Ref.: Bank OF BARODA
 Test Date: 07-Jan-2023(9:07:07 A)
 Notch: 50Hz
 0.05Hz
 100Hz
 Comments: P-QRS-T axis: 0.88.42. (Deg) Vent Rate: 46 bpm; PR Interval: ms FINDINGS: Abnormal ECG with Indication of Junctional Bradycardia avR QRS Duration: 116 ms; QT/QTc Int: 397/349 ms Kgs/ avF avL Cms BP: 10mm/mV 25mm/Sec 1 mmHg 1 HR: 46 bpm U ABBS, DIP CARDIO (ESCORTS) . Nareshilumar 6 ۷5 4 3 PR Interval: 127 ms
QRS Duration: 116 ms
QT/QTc: 397/349ms
P-QRS-T Axis: 0 - 88 - 42 (Deg) TENT (NOC . Mohanka

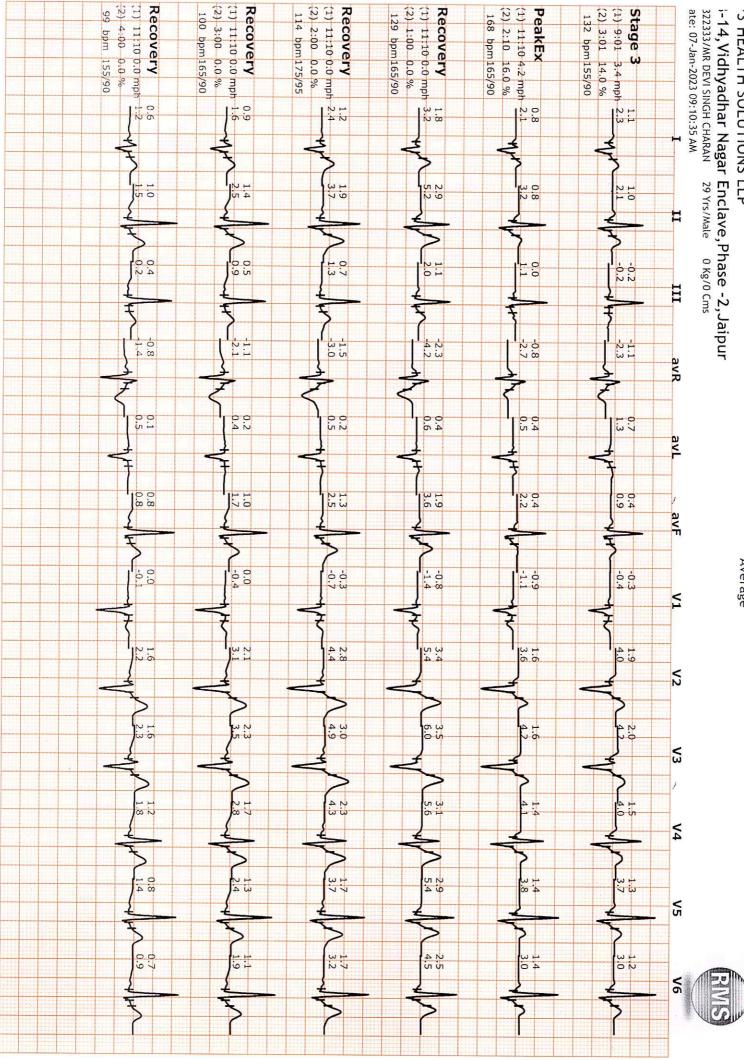
**summary** 

i-14, Vidhyadhar Nagar Enclave, Phase -2, Jaipur 322333/MR DEVI SINGH CHARAN 29 Yrs/Male 0 Kg/0 Cms ate: 07-Jan-2023 09:10:35 AM ef. By : BANK OF BARODA

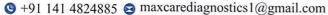
Protocol: BRUCE

Protocol: BRUCE History: History:  History:  B.P. R.P.P. PVC  (bpm) (mmHg) xioo  49 125/85 61 -  69 125/85 86 -  72 125/85 90 -	Speed Grade METS H.R. B.P. R.P.P. (mph) (mmHg) x100  1.0 49 125/85 61  1.0 69 125/85 86  1.0 50 125/85 62  1.0 72 125/85 90
## History : His	History:  Grade METs H.R. B.P. R.P.P. PVC Comments (%)  1.0 49 125/85 61 -  1.0 69 125/85 86 -  1.0 72 125/85 86 -  10.0 72 125/85 90 -  12.0 7.1 96 145/85 139 -  14.0 10.2 132 155/90 204 -  16.0 12.6 168 165/90 277 -  10.0 4.3 129 165/90 212 -
Protocol: BRUCE History:  History:  B.P. R.P.P. PVC  125/85  9 125/85  0 125/85  0 125/85  61  - 9 125/85  62  - 14 135/85  109  - 14 135/85  109  - 2 155/90  2 155/90  2 165/90  2 165/90  165/90  165/90  155/90  155/90  155/90  153  - 9 155/90  153  - 199  155/90  153  - 199  155/90  153  - 199  155/90  153  - 199  155/90  153	History:  TS H.R. B.P. R.P.P. PVC Comments  (bpm) (mmHg) x100  49 125/85 61
Protocol: BRUCE History:  History:  B.P. R.P.P. PVC  125/85  9 125/85  0 125/85  0 125/85  61  - 9 125/85  62  - 14 135/85  109  - 14 135/85  109  - 2 155/90  2 155/90  2 165/90  2 165/90  165/90  165/90  155/90  155/90  155/90  153  - 9 155/90  153  - 199  155/90  153  - 199  155/90  153  - 199  155/90  153  - 199  155/90  153	History:    History:
51 P.P. PVC	P.P. PVC Comments
	PreEx PeakEx











MR. DEVI SINGH CHARAN	29 Y/Male
Registration Date: 07/01/2023	Ref. by: BANK OF BARODA

## **ULTRASOUND OF WHOLE ABDOMEN**

**Liver** is of normal size (15.0 cm). **Echo-texture is increased**. No focal space occupying lesion is seen within liver parenchyma. Intra hepatic biliary channels are not dilated. Portal vein diameter is normal.

**Gall bladder** is well distended. 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. 10.7 x 5.1 cm.

**Left kidney** is measuring approx. 11.1 x 5.2 cm.

Urinary bladder is partially distended and does not show any calculus or mass lesion.

**Prostate** is normal in size (measuring approx. 3.1 x 4.0 x 3.2 cm, volume 21-22 cc) with normal echotexture and outline.

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

## **IMPRESSION:**

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



DR.SHALINI GOEL

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

RMC no.: 21954

