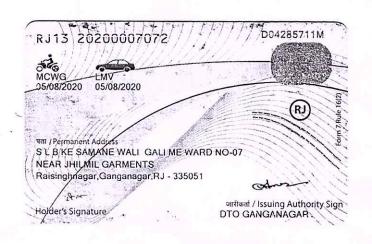


Dr. U. C. GUPTA MBBS, MD (Physician) RMC No. 281





(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

(S) +91 141 4824885 (S) maxcarediagnostics1@gmail.com



General Physical Examination

| Date of Examination: 13 08/22 |
|--|
| Name: PUNIT KUMAR TIWARIAge: 33 YN DOB: 30/11/1988 Sex: Male |
| Referred By: BANK OF BARDDA |
| Photo ID: ID #: |
| Ht: 179.5 (cm) Wt: 70 (Kg) |
| Chest (Expiration): 97 (cm) Abdomen Circumference: 95 (cm) |
| Blood Pressure: 120 Re mm Hg PR: 18 min RR: 18 min Temp: Afebrile |
| BMI 21.8. |
| with Glass. RIE 616. N/6, NCB. |
| BMI 21.8. With Glass. RE 616. N/6, NCB LE 616. N/6, NCB Other: NA |
| Other: NA |
| |
| |
| On examination he/she appears physically and mentally fit: Yes / No |
| Signature Of Examine: PUNIT KUMAR TIWAR |
| Signature Medical Examiner: Name Medical Examiner Dr. U.C. Guptq |
| MBBS, MD (Physician) KMC No. 281 |



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NAME :- Mr. PUNIT KUMAR TIWARI

Age:- 33 Yrs 8 Mon 13 Days

Sex :- Male

Patient ID :-12221671 Date :- 13/08/2022

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company:- Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

HAEMATOLOGY

| Test Name | Value | Unit | Biological Ref Interval |
|----------------------------------|---------|----------|-------------------------|
| FULL BODY HEALTH CHECKUP BELOW | 40 MALE | | |
| HAEMOGARAM | | | |
| HAEMOGLOBIN (Hb) | 16.2 | g/dL | 13.0 - 17.0 |
| TOTAL LEUCOCYTE COUNT | 5.00 | /cumm | 4.00 - 10.00 |
| DIFFERENTIAL LEUCOCYTE COUNT | | | |
| NEUTROPHIL | 59.0 | % | 40.0 - 80.0 |
| LYMPHOCYTE | 34.0 | % | 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) | 5.53 H | x10^6/uL | 4.50 - 5.50 |
| HEMATOCRIT (HCT) | 50.90 H | % | 40.00 - 50.00 |
| MEAN CORP VOLUME (MCV) | 92.0 | n. | 83.0 - 101.0 |
| MEAN CORP HB (MCH) | 29.3 | pg | 27.0 - 32.0 |
| MEAN CORP HB CONC (MCHC) | 31.8 | g/dL | 31.5 - 34.5 |
| PLATELET COUNT | 225 | x10^3/uL | 150 - 410 |
| RDW-CV | 14.5 H | % | 11.6 - 14.0 |
| MENTZER INDEX | 16.64 H | | 0.00 - 0.00 |

MENTZER INDEX
A complete blood picture (CBP) is a kind of blood test that is done to assess a person's overall health and 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 -

*White Blood Cells (WBC), which help in fighting against infections -

*Hemoglobin, which is the oxygen carrying protein in the red blood cells -

*Hematocrit (HCT), the proportion of RBC to the fluid component, or plasma present in blood -

*Platelets, which aid in blood clotting

(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,

MGR

Technologist Page No: 1 of 15



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in

NAME :- Mr. PUNIT KUMAR TIWARI

Age:- 33 Yrs 8 Mon 13 Days

Sex :- Male

Patient ID :-12221671

Date: - 13/08/2022

08:46:50

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR) Methord:- Westergreen

09

mm in 1st hr

00 - 15

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



MGR

Technologist Page No: 2 of 15 DR.TANU RUNGTA



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08:46:50

Age :-33 Yrs 8 Mon 13 Days

NAME :- Mr. PUNIT KUMAR TIWARI

Sex :-Male Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

(CB.): 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 15



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08:46:50

NAME :- Mr. PUNIT KUMAR TIWARI

Age:- 33 Yrs 8 Mon 13 Days

Sex :- Male

Patient ID :-12221671 Date :-Ref. By Doctor:-BANK OF BARODA

Tel. by Doctor.-BANK OF BA

Lab/Hosp :-

Company:- Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

BIOCHEMISTRY

| Test Name | Value | Unit | Biological Ref Interva |
|--|-------|-----------------|------------------------|
| FASTING BLOOD SUGAR (Plasma) Methord:- GOD POD | 79.7 | mg/dl | 70.0 - 115.0 |
| Impaired glucose tolerance (IGT) | | 111 - 125 mg/dL | |
| Diabetes Mellitus (DM) | | > 126 mg/dL | |

Instrument Name: HORIBA CA60 Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm,

hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels(hypoglycemia) may result from excessive insulin

therapy or various liver diseases.

BLOOD SUGAR PP (Plasma) Methord:- GOD PAP

80.7

mg/dl

70.0 - 140.0

Instrument Name: MISPA PLUS 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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Technologist

Page No: 4 of 15

DR.TANU RUNGTA



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Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

NAME :- Mr. PUNIT KUMAR TIWARI

Age :-33 Yrs 8 Mon 13 Days

Sex :-Male

Test Name

HAEMATOLOGY

Biological Ref Interval

GLYCOSYLATED HEMOGLOBIN (HbA1C)

Methord:- CAPILLARY with EDTA 5.2

mg%

MEAN PLASMA GLUCOSE Methord:- Calculated Parameter

102

Value

mg/dL

Unit

Interpretation:

Hemoglobin A1c %

Degree of Glucose Control

< 6.0 6.0 · 7.0 7.0 · 8.0

Normal level Near normal glycemia

Good control Action suggested

Clinical Information:

Hemoglobin is the oxygen-carrying pigment that gives blood its red color and is also the predominant protein in red blood cells. About 90% of hemoglobin is hemoglobin A. Although one chemical component accounts for 92% of hemoglobin A, approximately 8% of hemoglobin A is made up of minor components that are chemically slightly different. These minor components include hemoglobin A1c, A1b, A1a1, and A1a2. Hemoglobin A1c (HbA1c) is a minor component of hemoglobin to which glucose is bound. HbA1c also is sometimes referred to as Glycosylated or Glycosylated Hemoglobin or Glycohemoglobin. In addition to random fasting blood glucose levels, HbA1c levels are routinely measured in the monitoring of people with diabetes. Levels of HbA1c are not influenced by daily fluctuations in the blood glucose concentration but reflect the average glucose levels over the prior six to eight weeks. Therefore, HbA1c is a useful indicator of how well the blood glucose level has been controlled in the recent past (over two to three months) and may be used to monitor the effects of diet, exercise, and drug therapy on blood glucose in people with diabetes.

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Page No: 5 of 15



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Company :-

Mr.MEDIWHEEL

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HAEMATOLOGY

BLOOD GROUP ABO Methord:- Haemagglutination reaction

Male

Age :-

Sex :-

"B" POSITIVE



MGR

Technologist Page No: 6 of 15



NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

Age :-

Sex :-

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BIOCHEMISTRY

atherogenic lipoproteins (mainly LDL & VLDL). The Non HDL Cholesterolis used as a secondary target of therapy in persons with triglycerides >=200 mg/dL. The goal for Non HDL Cholesterol in those with increased triglyceride is 30 mg/dL above that set for LDL Cholesterol.

2 -For calculation of CHD risk, history of smoking, any medication for hypertension & current B.P. levels are required.



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Technologist Page No: 8 of 15



NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

Age :-

Sex :-

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Patient ID: -12221671 Ref. By Doctor:-BANK OF BARODA

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Company :-Mr.MEDIWHEEL

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08:46:50

BIOCHEMISTRY

| LIVER PROFILE WITH GGT | | | |
|--|-------|--------|---|
| SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo | 0.57 | mg/dl. | Infants: 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dl |
| SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo | 0.18 | mg/dL | Up to 0.40 mg/dL |
| SERUM BILIRUBIN (INDIRECT) Methord:- Calculated | 0.39 | mg/dl | 0.30-0.70 |
| SGOT Methord:- IFCC | 19.6 | U/L | Men- Up to - 37.0 Female - Up to - 31.0 |
| SGPT Methord:- IFCC | 21.7 | U/L | Men- Up to - 40.0 Female- Up to - 31.0 |
| SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE | 89.00 | U/L | 80.00 - 306.00 |

InstrumentName: MISPA PLUS Interpretation: Measurements of alkaline phosphatase are of use in the diagnosis, treatment and investigation of hepatobilary disease and in bone disease associated with increased osteoblastic activity. Alkaline phosphatase is also used in the diagnosis of parathyroid and intestinal disease.

U/L

SERUM GAMMA GT

Methord:- Szasz methodology Instrument Name Randox Rx Imola

Interpretation Elevations in GGT levels are seen earlier and more pronounced than those with other liver enzymes in cases of obstructive faundice and

metastatic neoplasms. It may reach 5 to 30 times normal levels in intra-or posthepatic biliary obstruction. Only moderate elevations in the enzyme level (2 to 5 times normal) are observed with infectious hepatitis

| SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent | 6.89 | g/dl | 5.10 - 8.00 |
|---|------|-------|-------------|
| SERUM ALBUMIN Methord:- Bromocresol Green | 3.91 | g/dl | 2.80 - 4.50 |
| SERUM GLOBULIN Methord:- CALCULATION | 2.98 | gm/dl | 2.20 - 3.50 |
| A/G RATIO | 1.31 | | 1.30 - 2.50 |

29.00

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

MGR

Technologist

Page No: 9 of 15

DR.TANU RUNGTA MD (Pathology)

10.00 - 45.00

RMC No. 17226



(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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NAME :- Mr. PUNIT KUMAR TIWARI

Age :-33 Yrs 8 Mon 13 Days

Sex :-Male Patient ID: -12221671

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-Mr.MEDIWHEEL

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RIOCHEMISTRY

| | BIOCHE | VIISTRY | |
|--|------------------------------|--|--|
| Test Name | Value | Unit | Biological Ref Interval |
| LIPID PROFILE TOTAL CHOLESTEROL Methord:- CHOD-PAP methodology | 210.00 | mg/dl | Desirable <200 Borderline 200-239 High> 240 |
| InstrumentName:MISPA PLUS Interpretati disorders. | on: Cholesterol measurements | s are used in the diagnosis a | and treatments of lipid lipoprotein metabolism |
| TRIGLYCERIDES Methord:- GPO-TOPS methodology | 103.00 | mg/dl | Normal <150 Borderline high 150-199 High 200-499 Very high >500 |
| InstrumentName:MISPA PLUS Interpretati | | radiid i ita na- n-adii aran an sa an ishar na an an 🗸 rat in an i | 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

52.50

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

recipitation methods LDL CHOLESTEROL Methord:- Calculated Method

140.33

mg/dl

Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189 Very High > 190

mg/dl VLDL CHOLESTEROL 20.60 0.00 - 80.004.00 0.00 - 4.90T.CHOLESTEROL/HDL CHOLESTEROL RATIO LDL / HDL CHOLESTEROL RATIO 2.67 0.00 - 3.50Methord:- Calculated

TOTAL LIPID

Methord:- CALCULATED

597.14

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 MGR

Technologist

Page No: 7 of 15

DR.TANU RUNGTA



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NAME :- Mr. PUNIT KUMAR TIWARI

Age :-33 Yrs 8 Mon 13 Days

Sex :-Male Patient ID: -12221671

Date :- 13/08/2022

08:46:50

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Company :-

Mr.MEDIWHEEL

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BIOCHEMISTRY

| DET | KET | WITH | EI | FCTD | Λī | VTES |
|-----|-----|------|----|------|----|------|
| KrI | Kri | WIIH | EL | ECIK | u | YIES |

SERUM UREA

29.00

mg/dl

10.00 - 50.00

InstrumentName: MISPA PLUS Interpretation: Urea measurements are used in the diagnosis and treatment of certain renal and metabolic diseases

SERUM CREATININE

Methord: - Jaffe's Method

1.35

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

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, Metabolie syndrome, Pregnancy, Gout.

SODIUM

Methord: - Ion-Selective Electrode with Serum

134.0 L

mmol/L

135.0 - 148.0

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

5.58 H

mmol/L

3.30 - 5.50

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

CHLORIDE

Methord:- Ion-Selective Electrode with Serum

Interpretation: Used for Electrolyte monitoring.

mmol/L

95.0 - 106.0

SERUM CALCIUM Methord: - Arsenazo III Method 9.87

98.0

mg/dL

8.80 - 10.20

InstrumentName:MISPA 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

Mythord:- Direct Biuret Reagent

6.89

g/dl

5.10 - 8.00

Technologist

Page No: 10 of 15

DR.TANU RUNGTA

MD (Pathology) RMC No. 17226

Janu



NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

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Patient ID :-12221671 Date :- 13/08/2022 Ref. By Doctor:-BANK OF BARODA

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Company :-Mr.MEDIWHEEL

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08:46:50

BIOCHEMISTRY

| SERUM ALBUMIN Methord:- Bromocresol Green | 3.91 | g/dl | 2.80 - 4.50 |
|--|------|-------|-------------|
| SERUM GLOBULIN Methord:- CALCULATION | 2.98 | gm/dl | 2.20 - 3.50 |
| A/G RATIO | 1.31 | | 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

Age :-

Sex :-

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

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

MGR

Technologist Page No: 11 of 15 DR.TANU RUNGTA



NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

Age :-

Sex :-

⊕ +91 141 4824885 maxcarediagnostics1@gmail.com



Patient ID :12221671 Date :-Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

200711000

Company:- Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

08:46:50

IMMUNOASSAY

| Test Name | Value | Unit | Biological Ref Interval |
|--|-------|-------------------|-------------------------|
| TOTAL THYROID PROFILE | | | |
| THYROID-TRIIODOTHYRONINE T3 Methord:- Chemiluminescence Reference Range (T3) | 1.15 | ng/m | 0.60 - 1.81 ng/ml |
| Premature Infants 26-30 Weeks ,3-4 days | | 0.24 - 1.32 ng/m | |
| Full-Term Infants 1-3 days | | 0.89 - 4.05 ng/m | |
| 1 Week | | 0.91 - 3.00 ng/ml | |
| 1-11 Months | | 0.85 - 2.50 ng/m | |
| Prepubertal Children | | 1.19 - 2.18 ng/ml | |

NOTE: In pregnancy total T3,T4 increase to 1.5 times the normal range.

Clinical Information Primary malfunction of the thyroid gland may result in excessive(hyper) or low(hypo) release of T3 or T4. In additional, as TSH directly affect thyroid function,malfunction of the pituitary or the hypothalamus influences the thyroid gland activity. Disease in any portion of the thyroid-pituitary-hypothalamus system may influence the level of T3 and T4 in the blood, in Primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels may be low, IN addition, In Euthyroid sick Syndrom, multiple alterations in serum thyroid function test findings have been recognized in patient with a wide variety of nonthyroid illness (NTI) serum without evidence of preexisting thyroid or hypothalamic-pituitary disease.

THYROID - THYROXINE (T4)

8.35 ug/dl

4.50 - 10.90 ug/dl

Methord: Chemiluminescence InstrumentName: VITROS ECI Interpretation: The measurement of Total T4 aids in the differential diagnosis of thyroid disease. While >99.9% of T4 is protein-bound, primarily to thyroxine-binding globulin (TBG), it is the free fraction that is biologically active. In most patients, the total T4 concentration is a good indicator of thyroid status. T4 concentrations may be altered in some conditions, such as pregnancy, that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, free T4 can provide the best estimate of the metabolically active hormone concentration. Alternatively, T3 uptake may be used with the total T4 result to calculate the free T4 index (FT4I) and estimate the concentration of free T4. Some drugs and some nonthyroidal patient conditions are known to alter TT4 concentrations in vivo.

TSH Methord - Chemiluminescence 1.700

μIU/mL

0.35 - 5.5 > 20 Years

Clinical Informaton

The levels of thyroid hormone (T3 & T4) are low in case of Primary, Secondary and Tertary hypothyroidism and sometimes in nonthyroidal illness also.

Increased levels are found in Grave's disease, hyperthyroidism and thyroid hormone resistance. T3 levels are also raised in T3 thyrotoxicosis. TSH levels are raised in primary hypothyroidism and are low in hyperthyroidism and secondary hypothyroidism. In Pregnancy - Level Total T3 (ng/mL) Total T4 (µg/dl) TSH (µU/ml)

1st Trimester 0.81-1.90 6.6-12.4 0.1-2.5 2nd Trimester 1.0-2.6 6.6-15.5 0.2-3.0 3rd Trimester 1.0-2.6 6.6-15.5 0.3-3.0

3rd Trimester 1.0-2.6 6.6-15.5 0.3-3.0

Note: TSH levels are subject to circadian variation, reaching peak levels between 2-4 AM and at a minimum between 6-10 PM

The variation is of the order of \$50%. Hence time of the day has infugence on the measured serum TSH concentrations Instrument Name: VTTROS ECI Interpretation Triodothyronine (13) contributes to the maintenance of the euthyroid state. A decrease in T3 concentration of up to 50% occurs in a variety of clinical situations, including acute and chronic disease. Although T3 results alone cannot be used to diagnose hypothyroidism, T3 concentration may be more sensitive than thyroxine (T4) for hyperthyroidism. Consequently, the total T3 assay can be used in conjunction with other assays to aid in the differential diagnosis of thyroid disease. T3 concentrations may be altered in some conditions, such as

MGR

Technologist

Page No: 14 of 15

DR.TANU RUNGTA



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Male

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Date :- 13/08/2022 08:46:50

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Lab/Hosp :-

Company :-Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

IMMUNOASSAY

pregnancy, that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, Free T3 can provide the best estimate of the metabolically active hormone concentration. Alternatively, T3 uptake, or T4 uptake can be used with the total T3 result to calculate the free T3 index and estimate the concentration of free T3

InstrumentName: VITROS ECI Interpretation: The measurement of Total T4 aids in the differential diagnosis of thyroid disease. While >99.9% of T4 is protein-bound, primarily to thyroxine-binding globulin (TBG), it is the free fraction that is biologically active. In most patients, the total T4 concentration is a good indicator of thyroid status. T4 concentrations may be altered in some conditions, such as pregnancy, that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, free T4 can provide the best estimate of the metabolically active hormone concentration. Alternatively, T3 uptake may be used with the total T4 result to calculate the free T4 index (FT4I) and estimate the concentration of free T4.Some drugs and some nonthyroidal patient conditions are known to alter TT4 concentrations in vivo.

InstrumentName: VITROS ECI Interpretation: TSH stimulates the production of thyroxine (T4) and triiodothyronine (T3) by the thyroid gland. The diagnosis of overt hypothyroidism by the finding of a low total T4 or free T4 concentration is readily confirmed by a raised TSH concentration. Measurement of low or undetectable TSH concentrations may assist the diagnosis of hyperthyroidism, where concentrations of T4 and T3 are elevated and TSH secretion is suppressed. These have the advantage of discriminating between the concentrations of TSH observed in thyrotoxicosis, compared with the low, but detectable, concentrations t hat occur in subclinical hyperthyroidism. The performance of this assay has not been established forneonatal specimens. Some drugs and some nonthyroidal patient conditions are known to alter TSH concentrations in vivo

INTERPRETATION

Age :-

Sex :-

| PREGNANCY | REFERENCE RANGE FOR TSH IN ulU/mL (As per American Thyroid Association) | | | | |
|---------------|---|--|--|--|--|
| 1st Trimester | 0.10-2.50 | | | | |
| 2nd Trimester | 0.20-3.00 | | | | |
| 3rd Trimester | 0.30-3.00 | | | | |

* End of Report ***

MGR

Technologist Page No: 15 of 15



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Date :- 13/08/2022

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

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NAME :- Mr. PUNIT KUMAR TIWARI

Age :-33 Yrs 8 Mon 13 Days

Sex :-Male

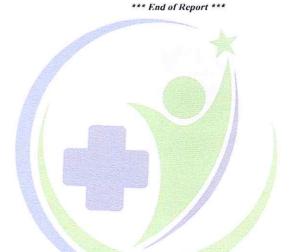
CLINICAL PATHOLOGY

Test Name Value Unit **Biological Ref Interval**

FULL BODY HEALTH CHECKUP BELOW 40 MALE

URINE SUGAR PP Collected Sample Received

Nil



MGR

Technologist Page No: 1 of 1



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NAME :- Mr. PUNIT KUMAR TIWARI

Age:- 33 Yrs 8 Mon 13 Days

Sex :- Male

Patient ID :-12221671

Date :- 13/08/2022

08:46:50

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

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CLINICAL PATHOLOGY

URINE SUGAR (FASTING)
Collected Sample Received

Nil

Nil



MGR

Technologist
Page No: 13 of 15

DD TANU DU



Age :-

Sex :-

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NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

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Patient ID :-12221671

Date :- 13/08/2022

08:46:50

Lab/Hosp:-

Company :-Mr.MEDIWHEEL

Ref. By Doctor:-BANK OF BARODA

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CLINICAL PATHOLOGY

| Test Name | Value | Unit | Biological Ref Int | erval |
|------------------------|-----------|--|--------------------|-------|
| Urine Routine | | | | |
| PHYSICAL EXAMINATION | | | | |
| COLOUR | PALE YELL | .OW | PALE YELLOW | |
| APPEARANCE | Clear | | Clear | |
| CHEMICAL EXAMINATION | | | | |
| REACTION(PH) | 6.0 | | 5.0 - 7.5 | |
| SPECIFIC GRAVITY | 1.025 | SCOWN CO. | 1.010 - 1.030 | |
| PROTEIN | NIL | | NII. | |
| SUGAR | NIL | | NIL | |
| BILIRUBIN | NEGATIVE | | NEGATIVE | |
| UROBILINOGEN | NORMAL | | NORMAL | |
| KETONES | NEGATIVE | | NEGATIVE | |
| NITRITE | NEGATIVE | | NEGATIVE | |
| MICROSCOPY EXAMINATION | | | | |
| RBC/HPF | NIL | /HPF | NIL | |
| WBC/HPF | 2-3 | /HPF | 2-3 | |
| EPITHELIAL CELLS | 2-3 | /HPF | 2-3 | |
| CRYSTALS/HPF | ABSENT | | ABSENT | |
| CAST/HPF | ABSENT | | ABSENT | |
| AMORPHOUS SEDIMENT | ABSENT | A STATE OF THE STA | ABSENT | |
| BACTERIAL FLORA | ABSENT | | ABSENT | |
| YEAST CELL | ABSENT | O DO COMPANIE OF THE PARTY OF T | ABSENT | |
| OTHER | ABSENT | | | |

MGR

Technologist Page No: 12 of 15 DR.TANU RUNGTA



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| | 1 | |
|-----|----------|---|
| | -4 | |
| AGE | 33 YRS/M | * |

| ŅAME: | MR. PUNIT KUMAR TIWARI | AGE | 33 YRS/M |
|--------|------------------------|------|------------|
| REF.BY | BANK OF BARODA | DATE | 13/08/2022 |

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.

Shally

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



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| MR. PUNIT KUMAR TIWARI | 33 Y/Male | |
|-------------------------------|-----------------------------|--|
| Registration Date: 13/08/2022 | Ref. by: Dr. BANK OF BARODA | |

ULTRASOUND OF WHOLE ABDOMEN

Liver is of normal size (14.3 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 partially 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 (9.0 cm) and shape. 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. 10.9 x 4.2 cm.

Left kidney is measuring approx. 11.1 x 5.0 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.

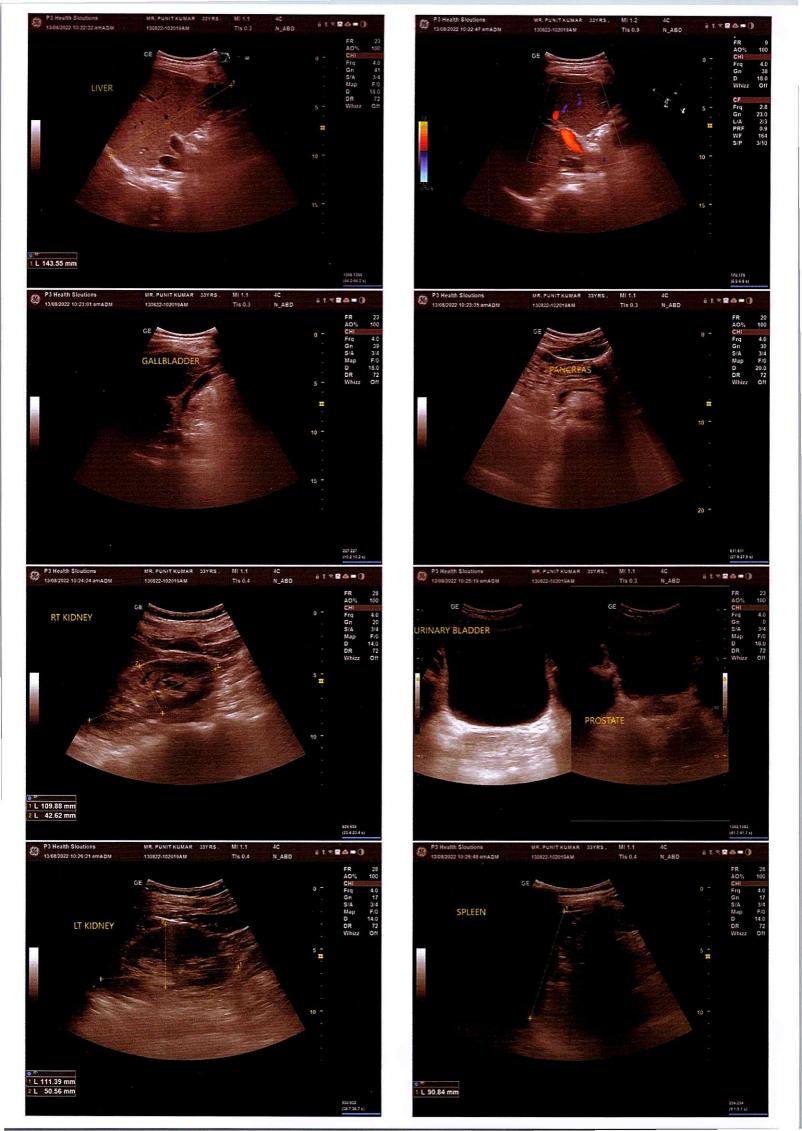
IMPRESSION: Normal study.

Shallni

DR.SHALINI GOEL

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

RMC no.: 21954



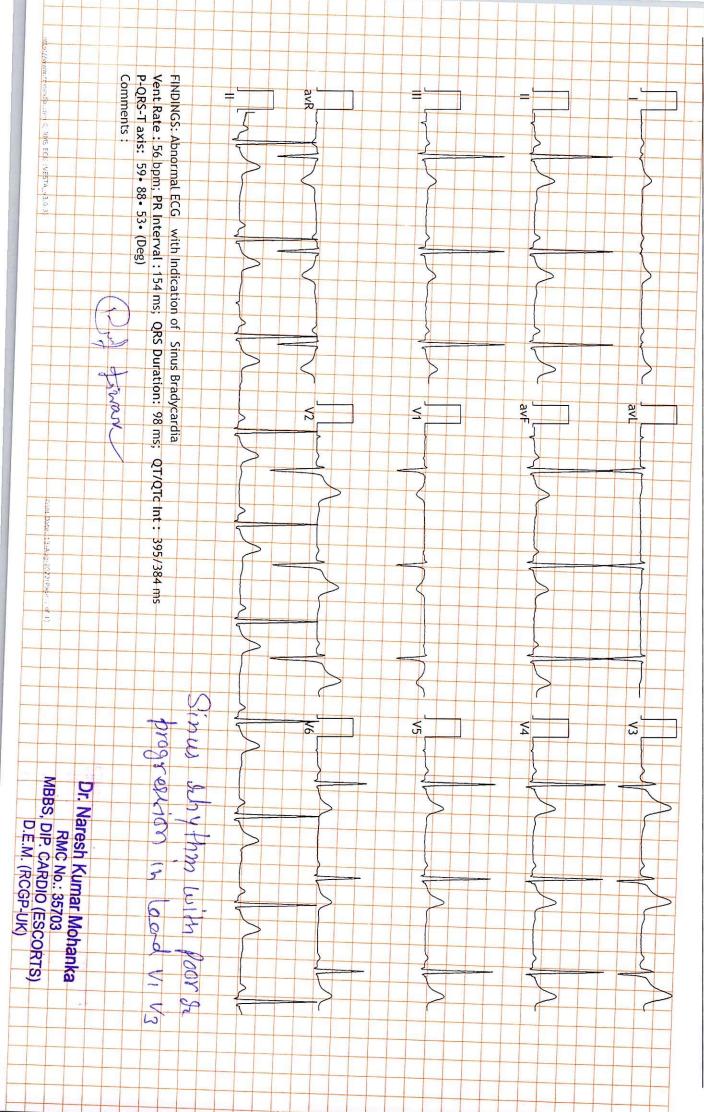
12229338/Mr Punit Kumar Tiwari 33Yrs-07Months/Male Kgs/31 Cms Ref.: BANK OF BARODA Test Date: 13-Aug-2022(13:41:28) Notch: 50Hz 0.05Hz - 100Hz B-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur 12229338/Mr Punit Kumar Tiwari 33Yrs-07Months/Male

10mm/mV вр: _ 25mm/Sec mmHg

HR: 56 bpm

P-QRS-T Axis: 59 - 88 - 53 (Deg)

QT/QTc: 395/384ms QRS Duration: 98 ms PR Interval: 154 ms



Summary

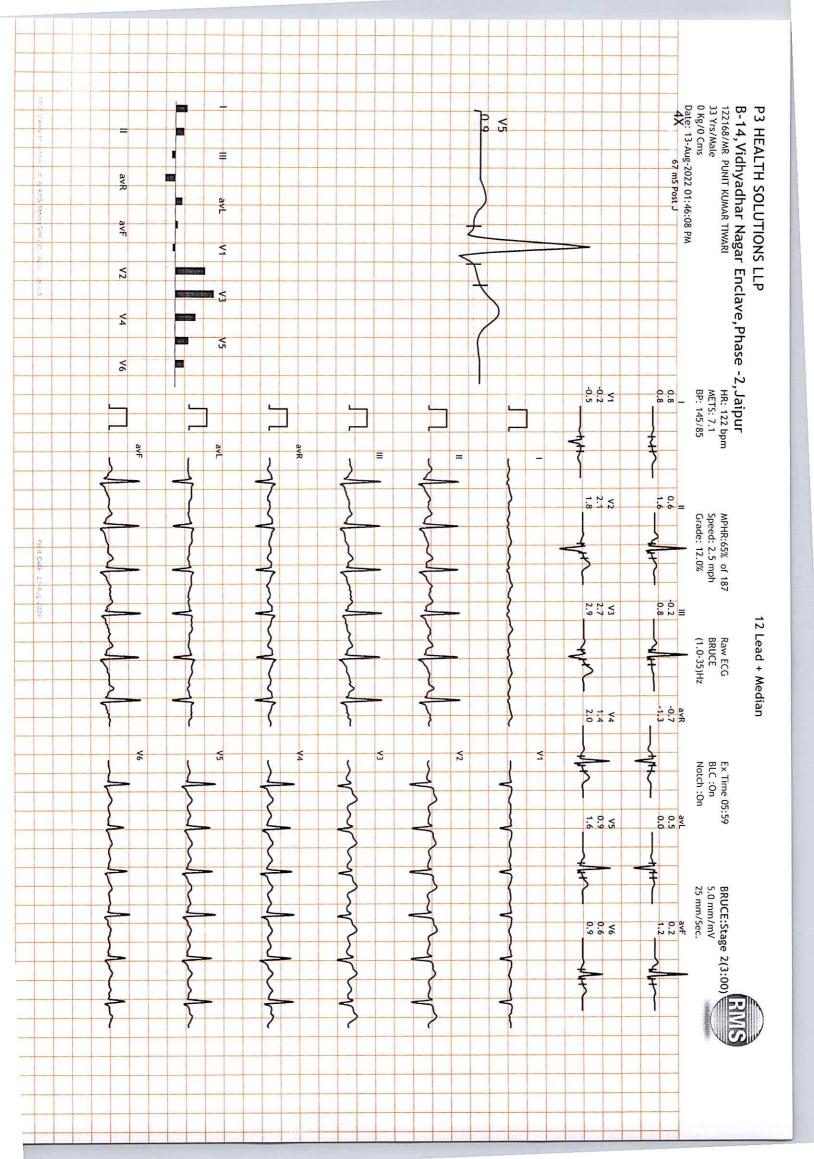
B-14, Vidhyadhar Nagar Enclave, Phase -2, Jaipur

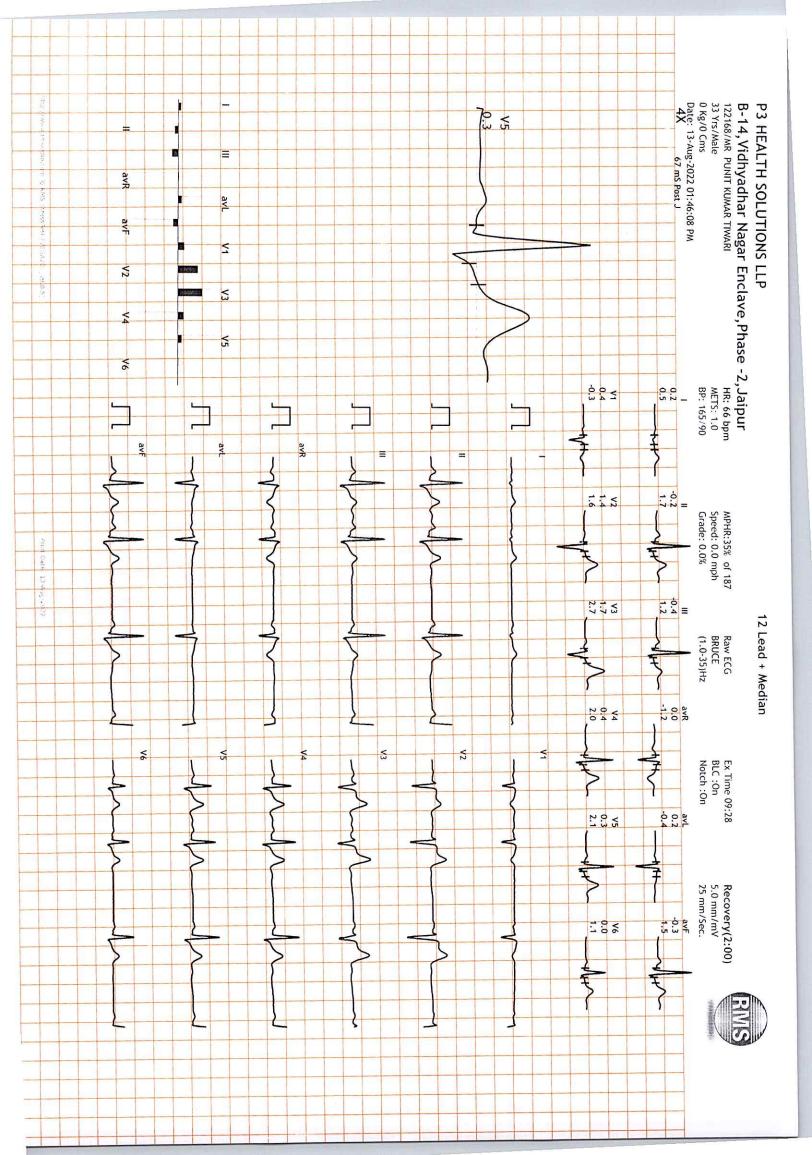
122168/MR PUNIT KUMAR TIWARI 33 Yrs/Male 0 Kg/0 Cms Date: 13-Aug-2022 01:46:08 PM Ref. By: BANK OF BARODA

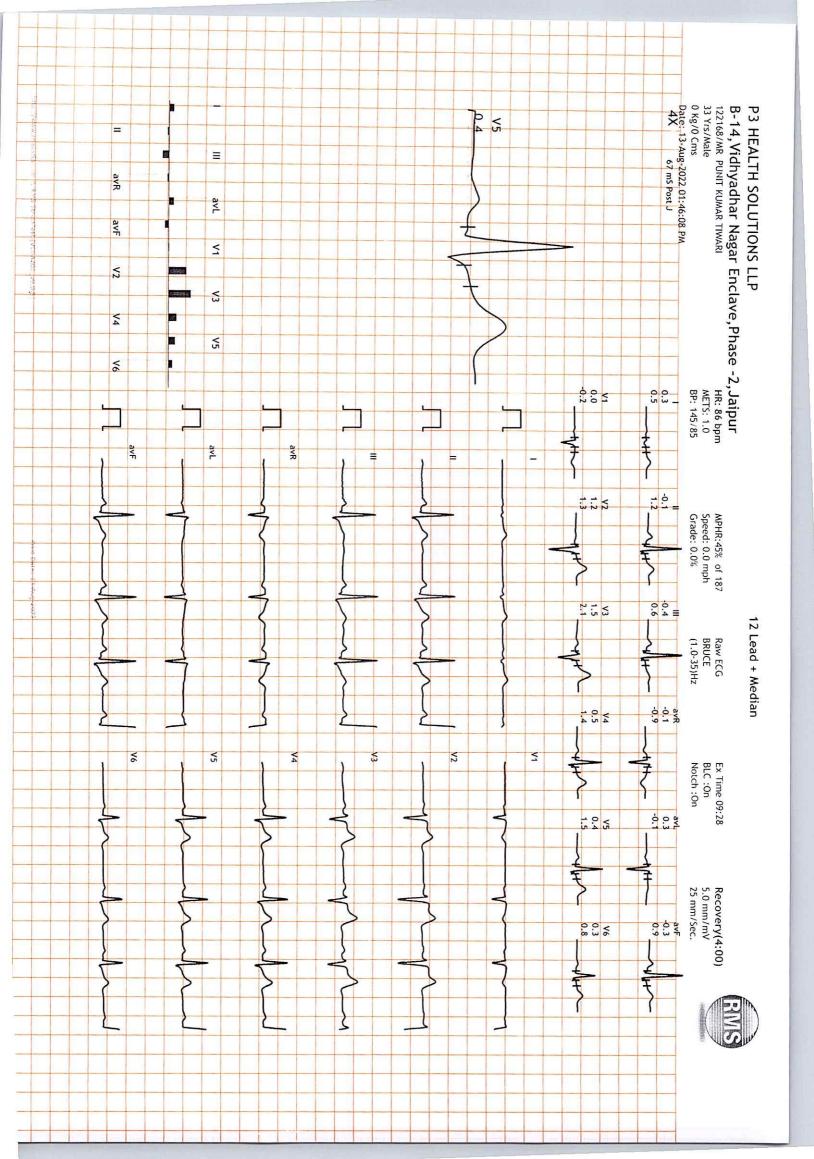
Protocol : BRUCE History :

Stage 3 Stage PeakEx Stage 2 Findings: Supine Objective: Stage 1 Advice/Comments: Recovery Recovery Recovery **ExStart** Medication: Max BP : 165/90(mmHg) Exercise Time Max WorkLoad attained :10.7(Good Effort Tolerance) Max HR Attained StageTime PhaseTime Speed 4:00 3:00 2:00 1:00 0:28 3:01 3:01 3:01 :09:28 :162 bpm 87% of Max Predictable HR 187 0.0 0.0 0.0 0.0 4.2 2.5 Grade 10.0 16.0 12.0 14.0 0.0 0.0 0.0 10.7 10.2 4.3 7.1 4.7 1.0 **METS** 0 .0 .0 0 110 123 H.R. 157 104 162 87 84 82 69 82 145/85 155/85 145/85 135/80 155/85 155/85 155/85 165/90 125/80 125/80 B. P. 170 251 178 140 105 102 R.P.P. PVC Comments 127 0.2 PeakEx PreEx = 1.3 £. ٧2 avR ٧6 ۷5 ≾ **V**4 1TS 6 2 3 R 0.5 mm/Div 9 12 15 18 21 Min.





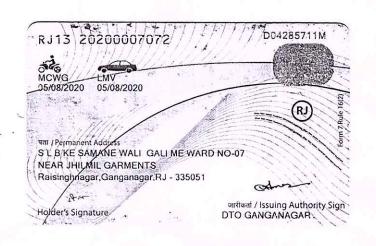








Dr. U. C. GUPTA MBBS, MD (Physician) RMC No. 281





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General Physical Examination

| Date of Examination: 13 08/22 |
|--|
| Name: PUNIT KUMAR TIWARIAge: 33 YN DOB: 30/11/1988 Sex: Male |
| Referred By: BANK OF BARDDA |
| Photo ID: ID #: |
| Ht: 179.5 (cm) Wt: 70 (Kg) |
| Chest (Expiration): 97 (cm) Abdomen Circumference: 95 (cm) |
| Blood Pressure: 120 Re mm Hg PR: 18 min RR: 18 min Temp: Afebrile |
| BMI 21.8. |
| with Glass. RIE 616. N/6, NCB. |
| BMI 21.8. With Glass. RE 616. N/6, NCB LE 616. N/6, NCB Other: NA |
| Other: NA |
| |
| |
| On examination he/she appears physically and mentally fit: Yes / No |
| Signature Of Examine: PUNIT KUMAR TIWAR |
| Signature Medical Examiner: Name Medical Examiner Dr. U.C. Guptq |
| MBBS, MD (Physician) KMC No. 281 |



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NAME :- Mr. PUNIT KUMAR TIWARI

Age:- 33 Yrs 8 Mon 13 Days

Sex :- Male

Patient ID :-12221671 Date :- 13/08/2022

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company:- Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

HAEMATOLOGY

| Test Name | Value | Unit | Biological Ref Interval |
|----------------------------------|---------|----------|-------------------------|
| FULL BODY HEALTH CHECKUP BELOW | 40 MALE | | |
| HAEMOGARAM | | | |
| HAEMOGLOBIN (Hb) | 16.2 | g/dL | 13.0 - 17.0 |
| TOTAL LEUCOCYTE COUNT | 5.00 | /cumm | 4.00 - 10.00 |
| DIFFERENTIAL LEUCOCYTE COUNT | | | |
| NEUTROPHIL | 59.0 | % | 40.0 - 80.0 |
| LYMPHOCYTE | 34.0 | % | 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) | 5.53 H | x10^6/uL | 4.50 - 5.50 |
| HEMATOCRIT (HCT) | 50.90 H | % | 40.00 - 50.00 |
| MEAN CORP VOLUME (MCV) | 92.0 | n. | 83.0 - 101.0 |
| MEAN CORP HB (MCH) | 29.3 | pg | 27.0 - 32.0 |
| MEAN CORP HB CONC (MCHC) | 31.8 | g/dL | 31.5 - 34.5 |
| PLATELET COUNT | 225 | x10^3/uL | 150 - 410 |
| RDW-CV | 14.5 H | % | 11.6 - 14.0 |
| MENTZER INDEX | 16.64 H | | 0.00 - 0.00 |

MENTZER INDEX
A complete blood picture (CBP) is a kind of blood test that is done to assess a person's overall health and 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 -

*White Blood Cells (WBC), which help in fighting against infections -

*Hemoglobin, which is the oxygen carrying protein in the red blood cells -

*Hematocrit (HCT), the proportion of RBC to the fluid component, or plasma present in blood -

*Platelets, which aid in blood clotting

(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,

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Technologist Page No: 1 of 15



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in

NAME :- Mr. PUNIT KUMAR TIWARI

Age:- 33 Yrs 8 Mon 13 Days

Sex :- Male

Patient ID :-12221671

Date: - 13/08/2022

08:46:50

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

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HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR) Methord:- Westergreen

09

mm in 1st hr

00 - 15

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



MGR

Technologist Page No: 2 of 15 DR.TANU RUNGTA



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08:46:50

Age :-33 Yrs 8 Mon 13 Days

NAME :- Mr. PUNIT KUMAR TIWARI

Sex :-Male Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

(CB.): 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 15



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08:46:50

NAME :- Mr. PUNIT KUMAR TIWARI

Age:- 33 Yrs 8 Mon 13 Days

Sex :- Male

Patient ID :-12221671 Date :-Ref. By Doctor:-BANK OF BARODA

Tel. by Doctor.-BANK OF BA

Lab/Hosp :-

Company:- Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

BIOCHEMISTRY

| Test Name | Value | Unit | Biological Ref Interva |
|--|-------|-----------------|------------------------|
| FASTING BLOOD SUGAR (Plasma) Methord:- GOD POD | 79.7 | mg/dl | 70.0 - 115.0 |
| Impaired glucose tolerance (IGT) | | 111 - 125 mg/dL | |
| Diabetes Mellitus (DM) | | > 126 mg/dL | |

Instrument Name: HORIBA CA60 Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm,

hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels(hypoglycemia) may result from excessive insulin

therapy or various liver diseases.

BLOOD SUGAR PP (Plasma) Methord:- GOD PAP

80.7

mg/dl

70.0 - 140.0

Instrument Name: MISPA PLUS 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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Technologist

Page No: 4 of 15

DR.TANU RUNGTA



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Company :-Mr.MEDIWHEEL

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NAME :- Mr. PUNIT KUMAR TIWARI

Age :-33 Yrs 8 Mon 13 Days

Sex :-Male

Test Name

HAEMATOLOGY

Biological Ref Interval

GLYCOSYLATED HEMOGLOBIN (HbA1C)

Methord:- CAPILLARY with EDTA 5.2

mg%

MEAN PLASMA GLUCOSE Methord:- Calculated Parameter

102

Value

mg/dL

Unit

Interpretation:

Hemoglobin A1c %

Degree of Glucose Control

< 6.0 6.0 · 7.0 7.0 · 8.0

Normal level Near normal glycemia

Good control Action suggested

Clinical Information:

Hemoglobin is the oxygen-carrying pigment that gives blood its red color and is also the predominant protein in red blood cells. About 90% of hemoglobin is hemoglobin A. Although one chemical component accounts for 92% of hemoglobin A, approximately 8% of hemoglobin A is made up of minor components that are chemically slightly different. These minor components include hemoglobin A1c, A1b, A1a1, and A1a2. Hemoglobin A1c (HbA1c) is a minor component of hemoglobin to which glucose is bound. HbA1c also is sometimes referred to as Glycosylated or Glycosylated Hemoglobin or Glycohemoglobin. In addition to random fasting blood glucose levels, HbA1c levels are routinely measured in the monitoring of people with diabetes. Levels of HbA1c are not influenced by daily fluctuations in the blood glucose concentration but reflect the average glucose levels over the prior six to eight weeks. Therefore, HbA1c is a useful indicator of how well the blood glucose level has been controlled in the recent past (over two to three months) and may be used to monitor the effects of diet, exercise, and drug therapy on blood glucose in people with diabetes.

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Technologist

Page No: 5 of 15



NAME :- Mr. PUNIT KUMAR TIWARI

33 Yrs 8 Mon 13 Days

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Ref. By Doctor:-BANK OF BARODA

08:46:50

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

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HAEMATOLOGY

BLOOD GROUP ABO Methord:- Haemagglutination reaction

Male

Age :-

Sex :-

"B" POSITIVE



MGR

Technologist Page No: 6 of 15



NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

Age :-

Sex :-

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Date :- 13/08/2022

08:46:50

Ref. By Doctor:-BANK OF BARODA

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Company :-Mr.MEDIWHEEL

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BIOCHEMISTRY

atherogenic lipoproteins (mainly LDL & VLDL). The Non HDL Cholesterolis used as a secondary target of therapy in persons with triglycerides >=200 mg/dL. The goal for Non HDL Cholesterol in those with increased triglyceride is 30 mg/dL above that set for LDL Cholesterol.

2 -For calculation of CHD risk, history of smoking, any medication for hypertension & current B.P. levels are required.



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Technologist Page No: 8 of 15



NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

Age :-

Sex :-

S +91 141 4824885 S maxcarediagnostics1@gmail.com



Patient ID: -12221671 Ref. By Doctor:-BANK OF BARODA

Lab/Hosp:-

Company :-Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

08:46:50

BIOCHEMISTRY

| LIVER PROFILE WITH GGT | | | |
|--|-------|--------|---|
| SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo | 0.57 | mg/dl. | Infants: 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dl |
| SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo | 0.18 | mg/dL | Up to 0.40 mg/dL |
| SERUM BILIRUBIN (INDIRECT) Methord:- Calculated | 0.39 | mg/dl | 0.30-0.70 |
| SGOT Methord:- IFCC | 19.6 | U/L | Men- Up to - 37.0 Female - Up to - 31.0 |
| SGPT Methord:- IFCC | 21.7 | U/L | Men- Up to - 40.0 Female- Up to - 31.0 |
| SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE | 89.00 | U/L | 80.00 - 306.00 |

InstrumentName: MISPA PLUS Interpretation: Measurements of alkaline phosphatase are of use in the diagnosis, treatment and investigation of hepatobilary disease and in bone disease associated with increased osteoblastic activity. Alkaline phosphatase is also used in the diagnosis of parathyroid and intestinal disease.

U/L

SERUM GAMMA GT

Methord:- Szasz methodology Instrument Name Randox Rx Imola

Interpretation Elevations in GGT levels are seen earlier and more pronounced than those with other liver enzymes in cases of obstructive faundice and

metastatic neoplasms. It may reach 5 to 30 times normal levels in intra-or posthepatic biliary obstruction. Only moderate elevations in the enzyme level (2 to 5 times normal) are observed with infectious hepatitis

| SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent | 6.89 | g/dl | 5.10 - 8.00 |
|---|------|-------|-------------|
| SERUM ALBUMIN Methord:- Bromocresol Green | 3.91 | g/dl | 2.80 - 4.50 |
| SERUM GLOBULIN Methord:- CALCULATION | 2.98 | gm/dl | 2.20 - 3.50 |
| A/G RATIO | 1.31 | | 1.30 - 2.50 |

29.00

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 15

DR.TANU RUNGTA MD (Pathology)

10.00 - 45.00

RMC No. 17226



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NAME :- Mr. PUNIT KUMAR TIWARI

Age :-33 Yrs 8 Mon 13 Days

Sex :-Male Patient ID: -12221671

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

RIOCHEMISTRY

| | BIOCHE | VIISTRY | |
|--|------------------------------|--|--|
| Test Name | Value | Unit | Biological Ref Interval |
| LIPID PROFILE TOTAL CHOLESTEROL Methord:- CHOD-PAP methodology | 210.00 | mg/dl | Desirable <200 Borderline 200-239 High> 240 |
| InstrumentName:MISPA PLUS Interpretati disorders. | on: Cholesterol measurements | s are used in the diagnosis a | and treatments of lipid lipoprotein metabolism |
| TRIGLYCERIDES Methord:- GPO-TOPS methodology | 103.00 | mg/dl | Normal <150 Borderline high 150-199 High 200-499 Very high >500 |
| InstrumentName:MISPA PLUS Interpretati | | radiid i ita na- n-adii aran an sa an ishar na an an 🗸 rat in an i | 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

52.50

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

recipitation methods LDL CHOLESTEROL Methord:- Calculated Method

140.33

mg/dl

Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189 Very High > 190

mg/dl VLDL CHOLESTEROL 20.60 0.00 - 80.004.00 0.00 - 4.90T.CHOLESTEROL/HDL CHOLESTEROL RATIO LDL / HDL CHOLESTEROL RATIO 2.67 0.00 - 3.50Methord:- Calculated

TOTAL LIPID

Methord:- CALCULATED

597.14

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 MGR

Technologist

Page No: 7 of 15

DR.TANU RUNGTA



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NAME :- Mr. PUNIT KUMAR TIWARI

Age :-33 Yrs 8 Mon 13 Days

Sex :-Male Patient ID: -12221671

Date :- 13/08/2022

08:46:50

Ref. By Doctor:-BANK OF BARODA Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

BIOCHEMISTRY

| DET | KET | WITH | EI | FCTD | Λī | VTES |
|-----|-----|------|----|------|----|------|
| KrI | Kri | WIIH | EL | ECIK | u | YIES |

SERUM UREA

29.00

mg/dl

10.00 - 50.00

InstrumentName: MISPA PLUS Interpretation: Urea measurements are used in the diagnosis and treatment of certain renal and metabolic diseases

SERUM CREATININE

Methord: - Jaffe's Method

1.35

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

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, Metabolie syndrome, Pregnancy, Gout.

SODIUM

Methord: - Ion-Selective Electrode with Serum

134.0 L

mmol/L

135.0 - 148.0

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

5.58 H

mmol/L

3.30 - 5.50

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

CHLORIDE

Methord:- Ion-Selective Electrode with Serum

Interpretation: Used for Electrolyte monitoring.

mmol/L

95.0 - 106.0

SERUM CALCIUM Methord: - Arsenazo III Method 9.87

98.0

mg/dL

8.80 - 10.20

InstrumentName:MISPA 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

Mythord:- Direct Biuret Reagent

6.89

g/dl

5.10 - 8.00

Technologist

Page No: 10 of 15

DR.TANU RUNGTA

MD (Pathology) RMC No. 17226

Janu



NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

© +91 141 4824885 maxcarediagnostics1@gmail.com



Patient ID :-12221671 Date :- 13/08/2022 Ref. By Doctor:-BANK OF BARODA

Lab/Hosp:-

Company :-Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

08:46:50

BIOCHEMISTRY

| SERUM ALBUMIN Methord:- Bromocresol Green | 3.91 | g/dl | 2.80 - 4.50 |
|--|------|-------|-------------|
| SERUM GLOBULIN Methord:- CALCULATION | 2.98 | gm/dl | 2.20 - 3.50 |
| A/G RATIO | 1.31 | | 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

Age :-

Sex :-

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

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

MGR

Technologist Page No: 11 of 15 DR.TANU RUNGTA



NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

Age :-

Sex :-

⊕ +91 141 4824885 maxcarediagnostics1@gmail.com



Patient ID :12221671 Date :-Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

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08:46:50

IMMUNOASSAY

| Test Name | Value | Unit | Biological Ref Interval |
|--|-------|-------------------|-------------------------|
| TOTAL THYROID PROFILE | | | |
| THYROID-TRIIODOTHYRONINE T3 Methord:- Chemiluminescence Reference Range (T3) | 1.15 | ng/m | 0.60 - 1.81 ng/ml |
| Premature Infants 26-30 Weeks ,3-4 days | | 0.24 - 1.32 ng/m | |
| Full-Term Infants 1-3 days | | 0.89 - 4.05 ng/m | |
| 1 Week | | 0.91 - 3.00 ng/ml | |
| 1-11 Months | | 0.85 - 2.50 ng/m | |
| Prepubertal Children | | 1.19 - 2.18 ng/ml | |

NOTE: In pregnancy total T3,T4 increase to 1.5 times the normal range.

Clinical Information Primary malfunction of the thyroid gland may result in excessive(hyper) or low(hypo) release of T3 or T4. In additional, as TSH directly affect thyroid function,malfunction of the pituitary or the hypothalamus influences the thyroid gland activity. Disease in any portion of the thyroid-pituitary-hypothalamus system may influence the level of T3 and T4 in the blood, in Primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels may be low, IN addition, In Euthyroid sick Syndrom, multiple alterations in serum thyroid function test findings have been recognized in patient with a wide variety of nonthyroid illness (NTI) serum without evidence of preexisting thyroid or hypothalamic-pituitary disease.

THYROID - THYROXINE (T4)

8.35 ug/dl

4.50 - 10.90 ug/dl

Methord: Chemiluminescence InstrumentName: VITROS ECI Interpretation: The measurement of Total T4 aids in the differential diagnosis of thyroid disease. While >99.9% of T4 is protein-bound, primarily to thyroxine-binding globulin (TBG), it is the free fraction that is biologically active. In most patients, the total T4 concentration is a good indicator of thyroid status. T4 concentrations may be altered in some conditions, such as pregnancy, that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, free T4 can provide the best estimate of the metabolically active hormone concentration. Alternatively, T3 uptake may be used with the total T4 result to calculate the free T4 index (FT4I) and estimate the concentration of free T4. Some drugs and some nonthyroidal patient conditions are known to alter TT4 concentrations in vivo.

TSH Methord - Chemiluminescence 1.700

μIU/mL

0.35 - 5.5 > 20 Years

Clinical Informaton

The levels of thyroid hormone (T3 & T4) are low in case of Primary, Secondary and Tertary hypothyroidism and sometimes in nonthyroidal illness also.

Increased levels are found in Grave's disease, hyperthyroidism and thyroid hormone resistance. T3 levels are also raised in T3 thyrotoxicosis. TSH levels are raised in primary hypothyroidism and are low in hyperthyroidism and secondary hypothyroidism. In Pregnancy - Level Total T3 (ng/mL) Total T4 (µg/dl) TSH (µU/ml)

1st Trimester 0.81-1.90 6.6-12.4 0.1-2.5 2nd Trimester 1.0-2.6 6.6-15.5 0.2-3.0 3rd Trimester 1.0-2.6 6.6-15.5 0.3-3.0

3rd Trimester 1.0-2.6 6.6-15.5 0.3-3.0

Note: TSH levels are subject to circadian variation, reaching peak levels between 2-4 AM and at a minimum between 6-10 PM

The variation is of the order of \$50%. Hence time of the day has infugence on the measured serum TSH concentrations Instrument Name: VTTROS ECI Interpretation Triodothyronine (13) contributes to the maintenance of the euthyroid state. A decrease in T3 concentration of up to 50% occurs in a variety of clinical situations, including acute and chronic disease. Although T3 results alone cannot be used to diagnose hypothyroidism, T3 concentration may be more sensitive than thyroxine (T4) for hyperthyroidism. Consequently, the total T3 assay can be used in conjunction with other assays to aid in the differential diagnosis of thyroid disease. T3 concentrations may be altered in some conditions, such as

MGR

Technologist

Page No: 14 of 15

DR.TANU RUNGTA



NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

⊕ +91 141 4824885 maxcarediagnostics1@gmail.com



Date :- 13/08/2022 08:46:50

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-Mr.MEDIWHEEL

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IMMUNOASSAY

pregnancy, that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, Free T3 can provide the best estimate of the metabolically active hormone concentration. Alternatively, T3 uptake, or T4 uptake can be used with the total T3 result to calculate the free T3 index and estimate the concentration of free T3

InstrumentName: VITROS ECI Interpretation: The measurement of Total T4 aids in the differential diagnosis of thyroid disease. While >99.9% of T4 is protein-bound, primarily to thyroxine-binding globulin (TBG), it is the free fraction that is biologically active. In most patients, the total T4 concentration is a good indicator of thyroid status. T4 concentrations may be altered in some conditions, such as pregnancy, that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, free T4 can provide the best estimate of the metabolically active hormone concentration. Alternatively, T3 uptake may be used with the total T4 result to calculate the free T4 index (FT4I) and estimate the concentration of free T4.Some drugs and some nonthyroidal patient conditions are known to alter TT4 concentrations in vivo.

InstrumentName: VITROS ECI Interpretation: TSH stimulates the production of thyroxine (T4) and triiodothyronine (T3) by the thyroid gland. The diagnosis of overt hypothyroidism by the finding of a low total T4 or free T4 concentration is readily confirmed by a raised TSH concentration. Measurement of low or undetectable TSH concentrations may assist the diagnosis of hyperthyroidism, where concentrations of T4 and T3 are elevated and TSH secretion is suppressed. These have the advantage of discriminating between the concentrations of TSH observed in thyrotoxicosis, compared with the low, but detectable, concentrations t hat occur in subclinical hyperthyroidism. The performance of this assay has not been established forneonatal specimens. Some drugs and some nonthyroidal patient conditions are known to alter TSH concentrations in vivo

INTERPRETATION

Age :-

Sex :-

| PREGNANCY | REFERENCE RANGE FOR TSH IN ulU/mL (As per American Thyroid Association) | | | | |
|---------------|---|--|--|--|--|
| 1st Trimester | 0.10-2.50 | | | | |
| 2nd Trimester | 0.20-3.00 | | | | |
| 3rd Trimester | 0.30-3.00 | | | | |

* End of Report ***

MGR

Technologist Page No: 15 of 15



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Date :- 13/08/2022

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:31:38

NAME :- Mr. PUNIT KUMAR TIWARI

Age :-33 Yrs 8 Mon 13 Days

Sex :-Male

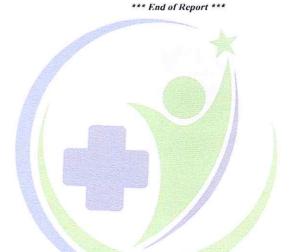
CLINICAL PATHOLOGY

Test Name Value Unit **Biological Ref Interval**

FULL BODY HEALTH CHECKUP BELOW 40 MALE

URINE SUGAR PP Collected Sample Received

Nil



MGR

Technologist Page No: 1 of 1



(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

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NAME :- Mr. PUNIT KUMAR TIWARI

Age:- 33 Yrs 8 Mon 13 Days

Sex :- Male

Patient ID :-12221671

Date :- 13/08/2022

08:46:50

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

Final Authentication: 13/08/2022 18:22:11

CLINICAL PATHOLOGY

URINE SUGAR (FASTING)
Collected Sample Received

Nil

Nil



MGR

Technologist
Page No: 13 of 15

DD TANU DU



Age :-

Sex :-

(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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

NAME :- Mr. PUNIT KUMAR TIWARI

Male

33 Yrs 8 Mon 13 Days

● +91 141 4824885 maxcarediagnostics1@gmail.com



Patient ID :-12221671

Date :- 13/08/2022

08:46:50

Lab/Hosp:-

Company :-Mr.MEDIWHEEL

Ref. By Doctor:-BANK OF BARODA

Final Authentication: 13/08/2022 18:22:11

CLINICAL PATHOLOGY

| Test Name | Value | Unit | Biological Ref Int | erval |
|------------------------|-----------|--|--------------------|-------|
| Urine Routine | | | | |
| PHYSICAL EXAMINATION | | | | |
| COLOUR | PALE YELL | .OW | PALE YELLOW | |
| APPEARANCE | Clear | | Clear | |
| CHEMICAL EXAMINATION | | | | |
| REACTION(PH) | 6.0 | | 5.0 - 7.5 | |
| SPECIFIC GRAVITY | 1.025 | SCOWN CO. | 1.010 - 1.030 | |
| PROTEIN | NIL | | NII. | |
| SUGAR | NIL | | NIL | |
| BILIRUBIN | NEGATIVE | | NEGATIVE | |
| UROBILINOGEN | NORMAL | | NORMAL | |
| KETONES | NEGATIVE | | NEGATIVE | |
| NITRITE | NEGATIVE | | NEGATIVE | |
| MICROSCOPY EXAMINATION | | | | |
| RBC/HPF | NIL | /HPF | NIL | |
| WBC/HPF | 2-3 | /HPF | 2-3 | |
| EPITHELIAL CELLS | 2-3 | /HPF | 2-3 | |
| CRYSTALS/HPF | ABSENT | | ABSENT | |
| CAST/HPF | ABSENT | | ABSENT | |
| AMORPHOUS SEDIMENT | ABSENT | A STATE OF THE STA | ABSENT | |
| BACTERIAL FLORA | ABSENT | | ABSENT | |
| YEAST CELL | ABSENT | O DO COMPANIE OF THE PARTY OF T | ABSENT | |
| OTHER | ABSENT | | | |

MGR

Technologist Page No: 12 of 15 DR.TANU RUNGTA



O B-14, Vidhyadhar Enclave - II, Near Axis Bank Central Spine, Vidhyadhar Nagar, Jaipur - 302023 9 +91 141 4824885 maxcarediagnostics1@gmail.com

| | 1 | |
|-----|----------|---|
| | -4 | |
| AGE | 33 YRS/M | * |

| ŅAME: | MR. PUNIT KUMAR TIWARI | AGE | 33 YRS/M |
|--------|------------------------|------|------------|
| REF.BY | BANK OF BARODA | DATE | 13/08/2022 |

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.

Shally

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



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| MR. PUNIT KUMAR TIWARI | 33 Y/Male | |
|-------------------------------|-----------------------------|--|
| Registration Date: 13/08/2022 | Ref. by: Dr. BANK OF BARODA | |

ULTRASOUND OF WHOLE ABDOMEN

Liver is of normal size (14.3 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 partially 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 (9.0 cm) and shape. 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. 10.9 x 4.2 cm.

Left kidney is measuring approx. 11.1 x 5.0 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.

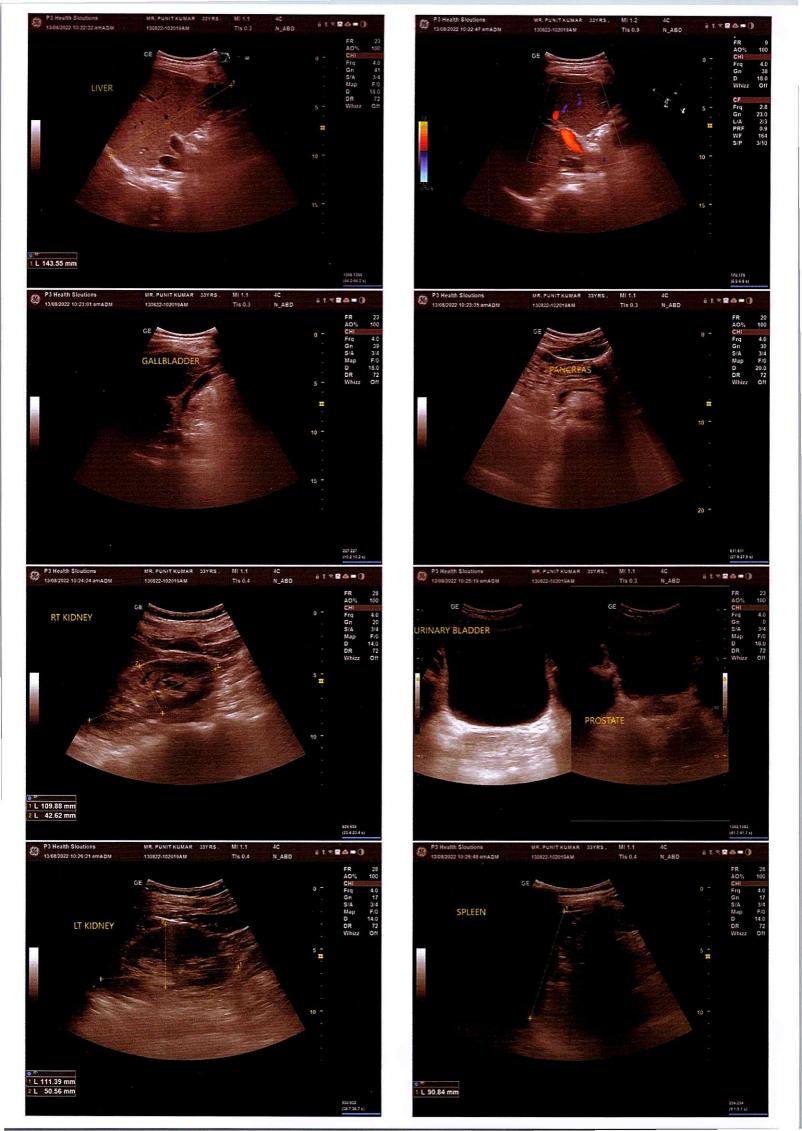
IMPRESSION: Normal study.

Shallni

DR.SHALINI GOEL

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

RMC no.: 21954



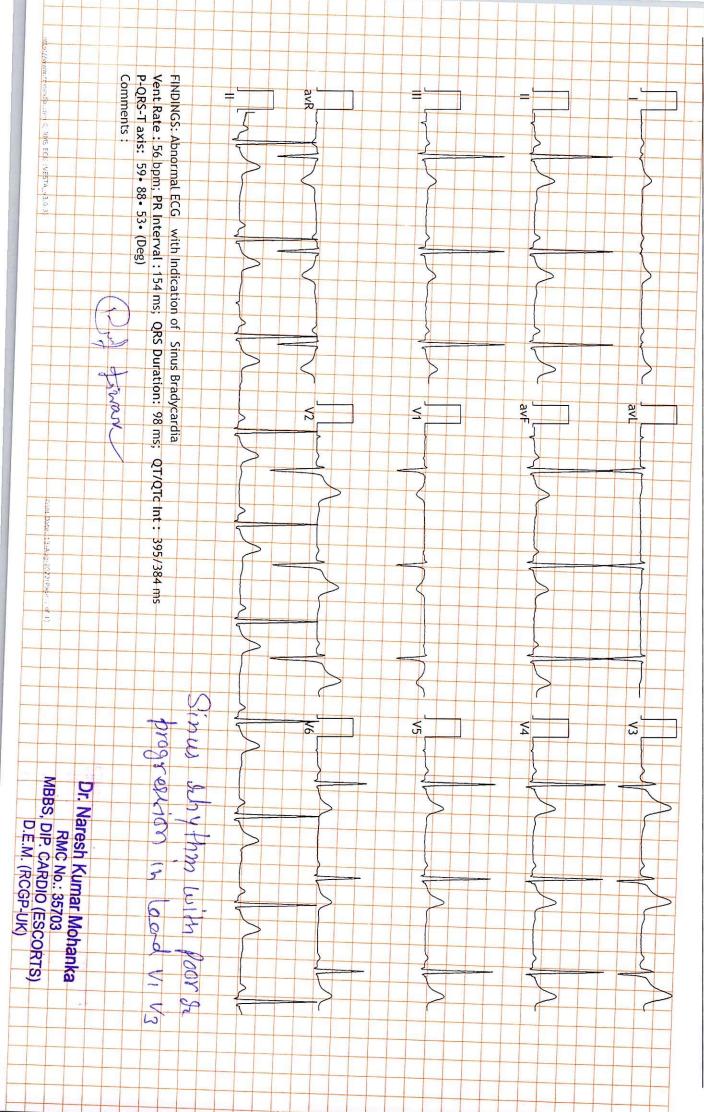
12229338/Mr Punit Kumar Tiwari 33Yrs-07Months/Male Kgs/31 Cms Ref.: BANK OF BARODA Test Date: 13-Aug-2022(13:41:28) Notch: 50Hz 0.05Hz - 100Hz B-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur 12229338/Mr Punit Kumar Tiwari 33Yrs-07Months/Male

10mm/mV вр: _ 25mm/Sec mmHg

HR: 56 bpm

P-QRS-T Axis: 59 - 88 - 53 (Deg)

QT/QTc: 395/384ms QRS Duration: 98 ms PR Interval: 154 ms



Summary

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

122168/MR PUNIT KUMAR TIWARI 33 Yrs/Male 0 Kg/0 Cms Date: 13-Aug-2022 01:46:08 PM Ref. By: BANK OF BARODA

Protocol : BRUCE History :

Stage 3 Stage PeakEx Stage 2 Findings: Supine Objective: Stage 1 Advice/Comments: Recovery Recovery Recovery ExStart Medication: Max BP : 165/90(mmHg) Exercise Time Max WorkLoad attained :10.7(Good Effort Tolerance) Max HR Attained StageTime PhaseTime Speed 4:00 3:00 2:00 1:00 0:28 3:01 3:01 3:01 :09:28 :162 bpm 87% of Max Predictable HR 187 0.0 0.0 0.0 0.0 4.2 2.5 Grade 10.0 16.0 12.0 14.0 0.0 0.0 0.0 10.7 10.2 4.3 7.1 4.7 1.0 **METS** 0 .0 .0 0 110 123 H.R. 157 104 162 87 84 82 69 82 145/85 155/85 145/85 135/80 155/85 155/85 155/85 165/90 125/80 125/80 B. P. 170 251 178 140 105 102 R.P.P. PVC Comments 127 0.2 PeakEx PreEx = 1.3 £. ٧2 avR ٧6 ۷5 ≾ **V**4 1TS 6 2 3 R 0.5 mm/Div 9 12 15 18 21 Min.



