भारत सरकार
GOVERNMENT OF INDIA

मोहम्मद अजमल
Mohmmad Ajmal
जन्म तिथि/ DOB: 16/08/1987
पुरुष / MALE

[redacted] 2095

मेरा आधार, मेरी पहचान

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

भारतीय विशिष्ट पहचान प्राधिकरण
UNIQUE IDENTIFICATION AUTHORITY OF INDIA

आधार

पता:
S/O इस्लामुद्दीन, प्लाट नो.९०
मुकन्दगढ़ हाउस, एस सि रोड, एस सि
रोड, जालुपुरा, जयपुर, जयपुर,
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Generation Date: 18/07/2011

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General Physical Examination

Date of Examination: 29/01/23

Name: MOHMMAD AJMAL Age: 35/YRS DOB: 16/08/1985 Sex: Male

Referred By: BANK OF BARODA

Photo ID: AADHAR ID #: 2095

Ht: 169 (cm) Wt: 81 (Kg)

Chest (Expiration): 106 (cm) Abdomen Circumference: 105 (cm)

Blood Pressure: 120/80 mm Hg PR: 78 / min RR: 17 / min Temp: Afebrile

BMI 28

Eye Examination: R/E 6/6, N/6, NCB
L/E 6/6 N/6, NCB

Other: NO

On examination he/she appears physically and mentally fit: Yes / No (Yes ticked)

Signature Of Examine : [signature] **Name of Examinee:** MOHMMAD AJMAL

Signature Medical Examiner : [signature] **Name Medical Examiner** DR. V.C. GUPTA

Dr. GUPTA
MB (Physician)
RMC No. 291

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NAME :- Mr. MOHMMAD AJMAL
Age :- 35 Yrs 5 Mon 15 Days
Sex :- Male

Patient ID :-12222958 Date :- 29/01/2023 10:26:36
Ref. By Doctor:-BANK OF BARODA
Lab/Hosp :-
Company :- Mr.MEDIWHEEL

Final Authentication : 30/01/2023 09:57:16

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
FULL BODY HEALTH CHECKUP BELOW 40 MALE			
HAEMOGARAM			
HAEMOGLOBIN (Hb)	16.9	g/dL	13.0 - 17.0
TOTAL LEUCOCYTE COUNT	7.10	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHIL	53.0	%	40.0 - 80.0
LYMPHOCYTE	40.0	%	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)	**6.41** H	x10^6/uL	4.50 - 5.50
HEMATOCRIT (HCT)	**51.20** H	%	40.00 - 50.00
MEAN CORP VOLUME (MCV)	**80.0** L	fL	83.0 - 101.0
MEAN CORP HB (MCH)	**26.3** L	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	32.9	g/dL	31.5 - 34.5
PLATELET COUNT	**128** L	x10^3/uL	150 - 410
RDW-CV	**14.9** H	%	11.6 - 14.0
MENTZER INDEX	**12.48** H		0.00 - 0.00

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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HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR) Methord:- Westergreen	15	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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(CBC): Methodology: TLC,DLC Fluorescent Flow cytometry, HB SLS method,TRBC,PCV,PLT Hydrodynamically focused Impedance. and **MCH,MCV,MCHC,MENTZER INDEX** are calculated. **InstrumentName: S**ysmex 6 part fully automatic analyzer XN-L,Japan

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BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
FASTING BLOOD SUGAR (Plasma) Methord:- GOD POD	**140.0** H	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	**210.0** H	mg/dl	70.0 - 140.0

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

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HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval

GLYCOSYLATED HEMOGLOBIN (HbA1C)
Methord:- CAPILLARY with EDTA — 5.7 — mg%

Interpretation:

Hemoglobin A1c %	Degree of Glucose Control
< 6.0	Normal level
6.0 - 7.0	Near normal glycemia
7.0 - 8.0	Good control
> 8.0	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.

MEAN PLASMA GLUCOSE — 117 — mg/dL — 0 - 140
Methord:- Calculated Parameter

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

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

1. Erythropoiesis
- Increased HbA1c: iron, vitamin B12 deficiency, decreased erythropoiesis.
- Decreased HbA1c: administration of erythropoietin, iron, vitamin B12, reticulocytosis, chronic liver disease.

2. Altered Haemoglobin-Genetic or chemical alterations in hemoglobin: hemoglobinopathies, HbF, methemoglobin, may increase or decrease HbA1c.

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HAEMATOLOGY

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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HAEMATOLOGY

BLOOD GROUP ABO Methord:- Haemagglutination reaction	O(+)

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BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
LIPID PROFILE			
TOTAL CHOLESTEROL Methord:- CHOD-PAP methodology	**298.00** H	mg/dl	Desirable <200 Borderline 200-239 High> 240
InstrumentName:MISPA PLUS **Interpretation:** Cholesterol measurements are used in the diagnosis and treatments of lipid lipoprotein metabolism disorders.			
TRIGLYCERIDES Methord:- GPO-TOPS methodology	134.00	mg/dl	Normal <150 Borderline high 150-199 High 200-499 Very high >500
InstrumentName:MISPA PLUS **Interpretation** : Triglyceride measurements are used in the diagnosis and treatment of diseases involving lipid metabolism and various endocrine disorders e.g. diabetes mellitus, nephrosis and liver obstruction.			
DIRECT HDL CHOLESTEROL Methord:- Selective inhibition Method	48.20	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	**227.47** H	mg/dl	Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189 Very High > 190
Interpretation: Accurate measurement of LDL-Cholesterol is of vital importance in therapies which focus on lipid reduction to prevent atherosclerosis or reduce its progress and to avoid plaque rupture.			
VLDL CHOLESTEROL Methord:- Calculated	26.80	mg/dl	0.00 - 80.00
T.CHOLESTEROL/HDL CHOLESTEROL RATIO Methord:- Calculated	**6.18** H		0.00 - 4.90
LDL / HDL CHOLESTEROL RATIO Methord:- Calculated	**4.72** H		0.00 - 3.50
TOTAL LIPID Methord:- CALCULATED	827.90	mg/dl	400.00 - 1000.00

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BIOCHEMISTRY

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 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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BIOCHEMISTRY

LIVER PROFILE WITH GGT

SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo	0.71	mg/dL	Infants : 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo	0.16	mg/dL	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	0.55	mg/dl	0.30-0.70
SGOT Methord:- IFCC	34.7	U/L	Men- Up to - 37.0 Female - Up to - 31.0
SGPT Methord:- IFCC	**77.2** H	U/L	Men- Up to - 40.0 Female- Up to - 31.0
SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE	**59.60** L	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.

SERUM GAMMA GT Methord:- Szasz methodology Instrument Name Randox Rx Imola	25.00	U/L	10.00 - 45.00

Interpretation: Elevations in GGT levels areseen earlier and more pronounced than those with other liver enzymes in cases of obstructive jaundice and 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 normal)are observed with infectious hepatitis.

SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent	7.10	g/dl	5.10 - 8.00
SERUM ALBUMIN Methord:- Bromocresol Green	4.88	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	2.22	gm/dl	2.20 - 3.50
A/G RATIO	2.20		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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BIOCHEMISTRY

RFT / KFT WITH ELECTROLYTES

SERUM UREA Methord:- Urease/GLDH	26.00	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 diseases.

SERUM CREATININE Methord:- Jaffe's Method	1.05	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	3.95	mg/dl	2.40 - 7.00

InstrumentName:HORIBA YUMIZEN CA60 Daytona plus **Interpretation**: **Elevated Urate**:High purine diet,Alcohol• Renal insufficiency,Drugs , Polycythaemia vera, Malignancies,Hypothyroidism,Rare enzyme defects ,Downs syndrome,Metabolic syndrome, Pregnancy,Gout.

SODIUM Methord:- ISE	**133.5** L	mmol/L	135.0 - 150.0

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	4.41	mmol/L	3.50 - 5.10

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

CHLORIDE Methord:- Ion-Selective Electrode with Serum	100.8	mmol/L	98.0 - 107.0

Interpretation: Used for Electrolyte monitoring.

SERUM CALCIUM Methord:- Arsenazo III Method	**10.80** H	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 Methord:- Biuret Reagent	7.10	g/dl	5.10 - 8.00

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Sex :- Male

Patient ID :-12222958 Date :- 29/01/2023 10:26:36
Ref. By Doctor:-BANK OF BARODA
Lab/Hosp :-
Company :- Mr.MEDIWHEEL

Final Authentication : 30/01/2023 09:57:16

BIOCHEMISTRY

SERUM ALBUMIN Methord:- Bromocresol Green	4.88	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	2.22	gm/dl	2.20 - 3.50
A/G RATIO	2.20		1.30 - 2.50

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

INTERPRETATION

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

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

VIKARANTJI

Technologist

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

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Central Spine, Vidhyadhar Nagar, Jaipur - 302023
+91-141-4824885, maxcarediagnostics1@gmail.com

NAME :- Mr. MOHMMAD AJMAL		Patient ID :-12222958	Date :- 29/01/2023 10:26:36
Age :-	35 Yrs 5 Mon 15 Days	Ref. By Doctor:-BANK OF BARODA	
Sex :-	Male	Lab/Hosp :-	
		Company :-	Mr.MEDIWHEEL

Final Authentication : 30/01/2023 09:57:16

CLINICAL PATHOLOGY

URINE SUGAR (FASTING) **Collected Sample Received**	Nil	Nil
URINE SUGAR PP **Collected Sample Received**	Nil	Nil

VIKARANTJI

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NAME :- Mr. MOHMMAD AJMAL		Patient ID :-12222958	Date :- 29/01/2023 10:26:36
Age :-	35 Yrs 5 Mon 15 Days	Ref. By Doctor:-BANK OF BARODA	
Sex :-	Male	Lab/Hosp :-	
		Company :-	Mr.MEDIWHEEL

Final Authentication : 30/01/2023 09:57:16

TOTAL THYROID PROFILE

IMMUNOASSAY

Test Name	Value	Unit	Biological Ref Interval
THYROID-TRIIODOTHYRONINE T3 Methord:- ECLIA	1.49	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 differantial diagnosis

INTERPRETATION-Ultra Sensitive 4th generation assay 1.Primary hyperthyroidism is accompanied by ↑serum T3 & T4 values along with " TSH level.2.Low TSH,high FT4 and TSH receptor antibody(TRAb) +ve seen in patients with Graves disease 3.Low TSH,high FT4 and TSH receptor antibody(TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter 4.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroiditis 5.HighTSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with Iodine deficiency/Congenital T4 synthesis deficiency 6.Low TSH,Low FT4 and TRH stimulation test -Delayed response seen in patients with Tertiary hypothyroidism
7.Primary hypothyroidism is accompanied by ↓ serum T3 and T4 values & 'serum TSH levels8.Normal T4 levels accompanied by ' T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis9.Normal or" T3 & "1 10.Normal T3 & T4 along with " TSH indicate mild / Subclinical Hyperthyroidism .11.Normal T3 & " T4 along with ' TSH is seen in Hypothyroidism .12.Normal T3 & T4 levels with ' TSH indicate Mild / Subclinical 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 uIU/mL The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy.

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

THYROID-THYROXINE (T4) Methord:- ECLIA	6.96	µIU/ml	5.10 - 14.10

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

INTERPRETATION-Ultra Sensitive 4th generation assay 1.Primary hyperthyroidism is accompanied by ↑serum T3 & T4 values along with " TSH level.2.Low TSH,high FT4 and TSH receptor antibody(TRAb) +ve seen in patients with Graves disease 3.Low TSH,high FT4 and TSH receptor antibody(TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter 4.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroiditis 5.HighTSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with Iodine deficiency/Congenital T4 synthesis deficiency 6.Low TSH,Low FT4 and TRH stimulation test -Delayed response seen in patients with Tertiary hypothyroidism
7.Primary hypothyroidism is accompanied by ↓ serum T3 and T4 values & 'serum TSH levels8.Normal T4 levels accompanied by ' T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis9.Normal or" T3 & "1 10.Normal T3 & T4 along with " TSH indicate mild / Subclinical Hyperthyroidism .11.Normal T3 & " T4 along with ' TSH is seen in Hypothyroidism .12.Normal T3 & T4 levels with ' TSH indicate Mild / Subclinical 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 uIU/mL The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy.

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

TSH Methord:- ECLIA	1.991	µIU/mL	0.350 - 5.500

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

INTERPRETATION-Ultra Sensitive 4th generation assay
1.Primary hyperthyroidism is accompanied by ↑serum T3 & T4 values along with ↓ TSH level.

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NAME :- Mr. MOHMMAD AJMAL		Patient ID :-12222958	Date :- 29/01/2023 10:26:36
Age :-	35 Yrs 5 Mon 15 Days	Ref. By Doctor:-BANK OF BARODA	
Sex :-	Male	Lab/Hosp :-	
		Company :-	Mr.MEDIWHEEL

Final Authentication : 30/01/2023 09:57:16

IMMUNOASSAY

2.Low TSH,high FT4 and TSH receptor antibody(TRAb) +ve seen in patients with Graves disease
3.Low TSH,high FT4 and TSH receptor antibody(TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter
4.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroiditis
5.HighTSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with Iodine deficiency/Congenital T4 synthesis deficiency
6.Low TSH,Low FT4 and TRH stimulation test -Delayed response seen in patients with Tertiary hypothyroidism
7.Primary hypothyroidism is accompanied by ↓ serum T3 and T4 values & ↑serum TSH levels
8.Normal T4 levels accompanied by ↑ T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis
9.Normal or↓ T3 & ↑T4 levels indicate T4 Thyrotoxicosis (problem is conversion of T4 to T3)
10.Normal T3 & T4 along with ↓ TSH indicate mild / Subclinical Hyperthyroidism .
11.Normal T3 & ↓ T4 along with ↑ TSH is seen in Hypothyroidism .
12.Normal T3 & T4 levels with ↑ TSH indicate Mild / Subclinical Hypothyroidism .
13.Slightly ↑ T3 levels may be found in pregnancy and in estrogen therapy while ↓ levels may be encountered in severe illness , malnutrition , renal failure and during therapy with drugs like propanolol.
14.Although ↑ TSH levels are nearly always indicative of Primary Hypothroidism ,rarely they can result from TSH secreting pituitary tumours.

DURING PREGNANCY - REFERENCE RANGE for TSH IN uIU/mL (As per American Thyroid Association)
1st Trimester : 0.10-2.50 uIU/mL
2nd Trimester : 0.20-3.00 uIU/mL
3rd Trimester : 0 30-3.00 uIU/mL
The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy.

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.

*** End of Report ***

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NAME :- Mr. MOHMMAD AJMAL
Age :- 35 Yrs 5 Mon 15 Days
Sex :- Male

Patient ID :-12222958 Date :- 29/01/2023 10:26:36
Ref. By Doctor:-BANK OF BARODA
Lab/Hosp :-
Company :- Mr.MEDIWHEEL

Final Authentication : 30/01/2023 09:57:16

CLINICAL PATHOLOGY

Test Name	Value	Unit	Biological Ref Interval
Urine Routine			
PHYSICAL EXAMINATION			
COLOUR	PALE YELLOW		PALE YELLOW
APPEARANCE	Clear		Clear
CHEMICAL EXAMINATION			
REACTION(PH)	6.0		5.0 - 7.5
SPECIFIC GRAVITY	1.020		1.010 - 1.030
PROTEIN	NIL		NIL
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		ABSENT
BACTERIAL FLORA	ABSENT		ABSENT
YEAST CELL	ABSENT		ABSENT
OTHER	ABSENT		

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P3 Health Sloutions
29/01/2023 10:46:44 amADM
MOHMMAD AJMAL 35 Y,
290123-104249AM
MI 1.1
TIs 0.3
4C
N_ABD
LIVER
1 L 146.86 mm


P3 Health Sloutions
29/01/2023 10:47:06 amADM
MOHMMAD AJMAL 35 Y,
290123-104249AM
MI 1.1
TIs 0.3
4C
N_ABD
GALLBLADDER


P3 Health Sloutions
29/01/2023 10:47:33 amADM
MOHMMAD AJMAL 35 Y,
290123-104249AM
MI 1.1
TIs 0.3
4C
N_ABD
PANCREAS


P3 Health Sloutions
29/01/2023 10:47:54 amADM
MOHMMAD AJMAL 35 Y,
290123-104249AM
MI 1.1
TIs 0.4
4C
N_ABD
URINARY BLADDER
PROSTATE


P3 Health Sloutions
29/01/2023 10:48:34 amADM
MOHMMAD AJMAL 35 Y,
290123-104249AM
MI 1.1
TIs 0.4
4C
N_ABD
RT KIDNEY
1 L 115.35 mm
2 L 55.44 mm


P3 Health Sloutions
29/01/2023 10:49:11 amADM
MOHMMAD AJMAL 35 Y,
290123-104249AM
MI 1.1
TIs 0.4
4C
N_ABD
SPLEEN
1 L 112.97 mm


P3 Health Sloutions
29/01/2023 10:49:38 amADM
MOHMMAD AJMAL 35 Y,
290123-104249AM
MI 1.1
TIs 0.4
4C
N_ABD
LT KIDNEY
1 L 120.78 mm
2 L 54.80 mm

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MR. MOHAMMAD AJMAL	35 Y/Male
Registration Date: 29/01/2023	Ref. by: BANK OF BARODA

ULTRASOUND OF WHOLE ABDOMEN

Liver is of normal size (14.6 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 (11.2 cm). Echotexture is normal. No focal lesion is seen.

Kidneys are normally sited and are of normal size and shape. Cortico-medullary echoes are normal. Collecting system does not show any calculus or dilatation.
Right kidney is measuring approx. 11.5 x 5.5 cm.
Left kidney is measuring approx. 12.0 x 5.4 cm.

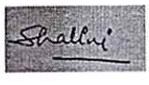
Urinary bladder does not show any calculus or mass lesion.

Prostate is normal in size with normal echotexture and outline.

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

IMPRESSION:

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



DR.SHALINI GOEL

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

RMC no.: 21954

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(ASSOCIATES OF MAXCARE DIAGNOSTICS)

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Central Spine, Vidhyadhar Nagar, Jaipur - 302023
+91 141 4824885 maxcarediagnostics1@gmail.com

NAME:	MR. MOHMMAD AZMAL	AGE	35 YRS/M
REF.BY	BANK OF BARODA	DATE	29/01/2023

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.

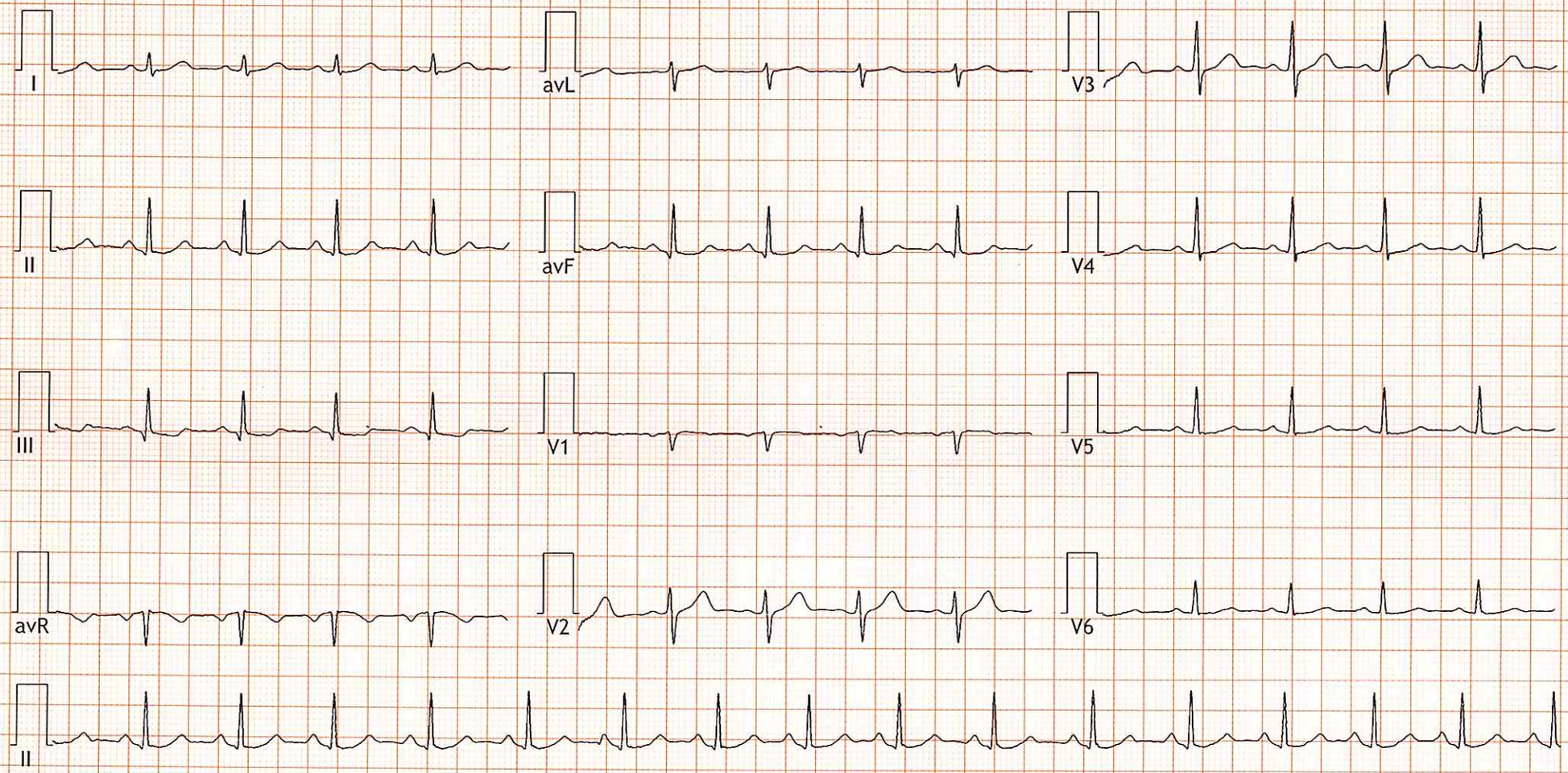
IMPRESSION: No significant abnormality is detected.

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

'3 HEALTH SOLUTIONS LLP
3-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur
12229451322924/Mr Mohmmad Ajmal 35Yrs/Male Kgs/ Cms BP: ___/___ mmHg
Ref.: BANK OF BARODA. Test Date: 29-Jan-2023(2:58:46 P) Notch: 50Hz 0.05Hz - 100Hz 10mm/mV 25mm/Sec

HR: 96 bpm

PR Interval: 146 ms
QRS Duration: 76 ms
QT/QTc: 318/403ms
P-QRS-T Axis: 63 - 71 - 23 (Deg)



FINDINGS: Normal Sinus Rhythm
Vent Rate : 96 bpm; **PR Interval :** 146 ms; **QRS Duration:** 76 ms; **QT/QTc Int :** 318/403 ms
P-QRS-T axis: 63• 71• 23• (Deg)
Comments :

Dr. Naresh Kumar Mohanka
RMC No.: 35703
IBBS, DIP. CARDIO (ESCORTS)
D.E.M. (NOC...

'3 HEALTH SOLUTIONS LLP

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

Summary

1322385/MR MOHMMAD AJMAL 35 Yrs/Male 0 Kg/0 Cms

Date: 29-Jan-2023 03:00:29 PM

Ref.By : BANK OF BARODA

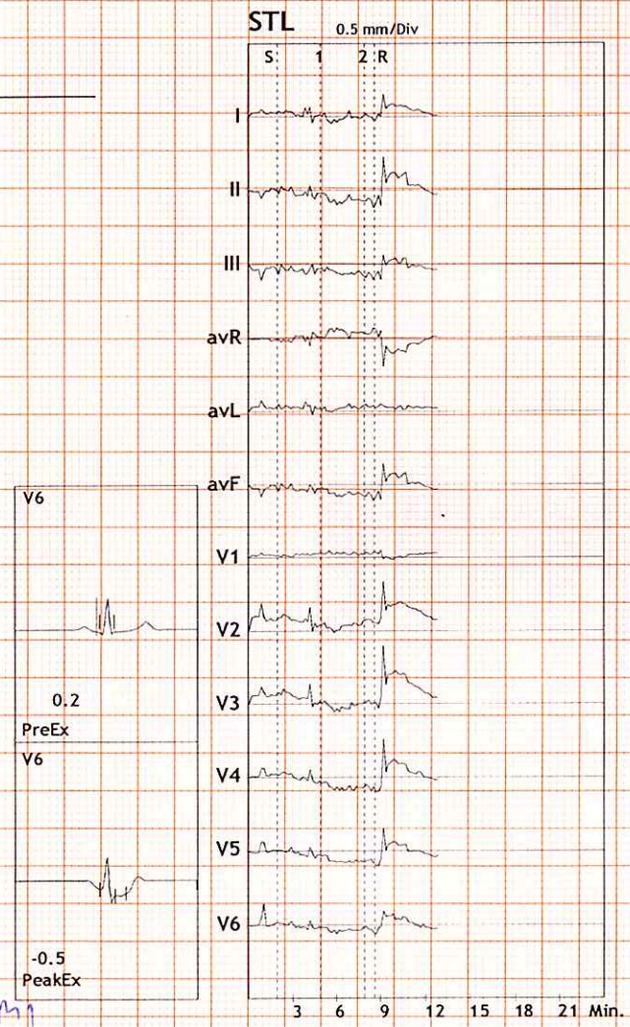
Protocol : BRUCE

Medication :

History :

Objective :

Stage	StageTime (Min:Sec)	PhaseTime (Min:Sec)	Speed (mph)	Grade (%)	METs	H.R. (bpm)	B.P. (mmHg)	R.P.P. x100	PVC	Comments
Supine					1.0	97	120/80	116	-	
Standing					1.0	115	120/80	138	-	
HV					1.0	116	120/80	139	-	
ExStart					1.0	122	120/80	146	-	
Stage 1	3:01	3:02	1.7	10.0	4.7	150	130/80	195	-	
Stage 2	3:01	6:02	2.5	12.0	7.1	180	140/80	252	-	
PeakEx	0:42	6:43	3.4	14.0	7.8	186	140/80	260	-	
Recovery	1:00		0.0	0.0	1.2	164	140/80	229	-	
Recovery	2:00		0.0	0.0	1.0	149	150/85	223	-	
Recovery	3:00		0.0	0.0	1.0	136	140/80	190	-	
Recovery	4:00		0.0	0.0	1.0	133	130/80	172	-	



Findings :

Exercise Time :06:42

Max HR Attained :186 bpm 101% of Max Predictable HR 185

Max BP : 150/85(mmHg)

Max WorkLoad attained :7.8(Fair Effort Tolerance)

TMT is NEGATIVE for RMI

Advice/Comments:

Dr. Naresh Kumar Mohanka
RMC No.: 35703
MBBS, DIP. CARDIO (ESCORTS
D.E.[illegible])

'3 HEALTH SOLUTIONS LLP
3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

12 Lead + Median

1322385/MR MOHMMAD AJMAL
35 Yrs/Male
Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM
4X 60 mS Post J

HR: 97 bpm
METS: 1.0
BP: 120/80

MPHR:52% of 185
Speed: 0.0 mph
Grade: 0.0%

Raw ECG
BRUCE
(1.0-35)Hz

Ex Time 00:30
BLC :On
Notch :On

Supine
10.0 mm/mV
25 mm/Sec.

I	II	III	avR	avL	avF
0.2	-0.1	-0.4	0.0	0.3	-0.2
0.4	0.1	-0.4	-0.2	0.4	-0.2

V1	V2	V3	V4	V5	V6
0.2	1.0	0.6	0.1	-0.1	0.0
0.0	1.3	1.0	0.3	0.1	0.1

V5
-0.1

I III avL V1 V3 V5

II avR avF V2 V4 V6

I
II
III
avR
avL
avF

V1
V2
V3
V4
V5
V6

'3 HEALTH SOLUTIONS LLP
3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

12 Lead + Median

RMS

1322385/MR MOHMMAD AJMAL
35 Yrs/Male
Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM
4X 60 mS Post J

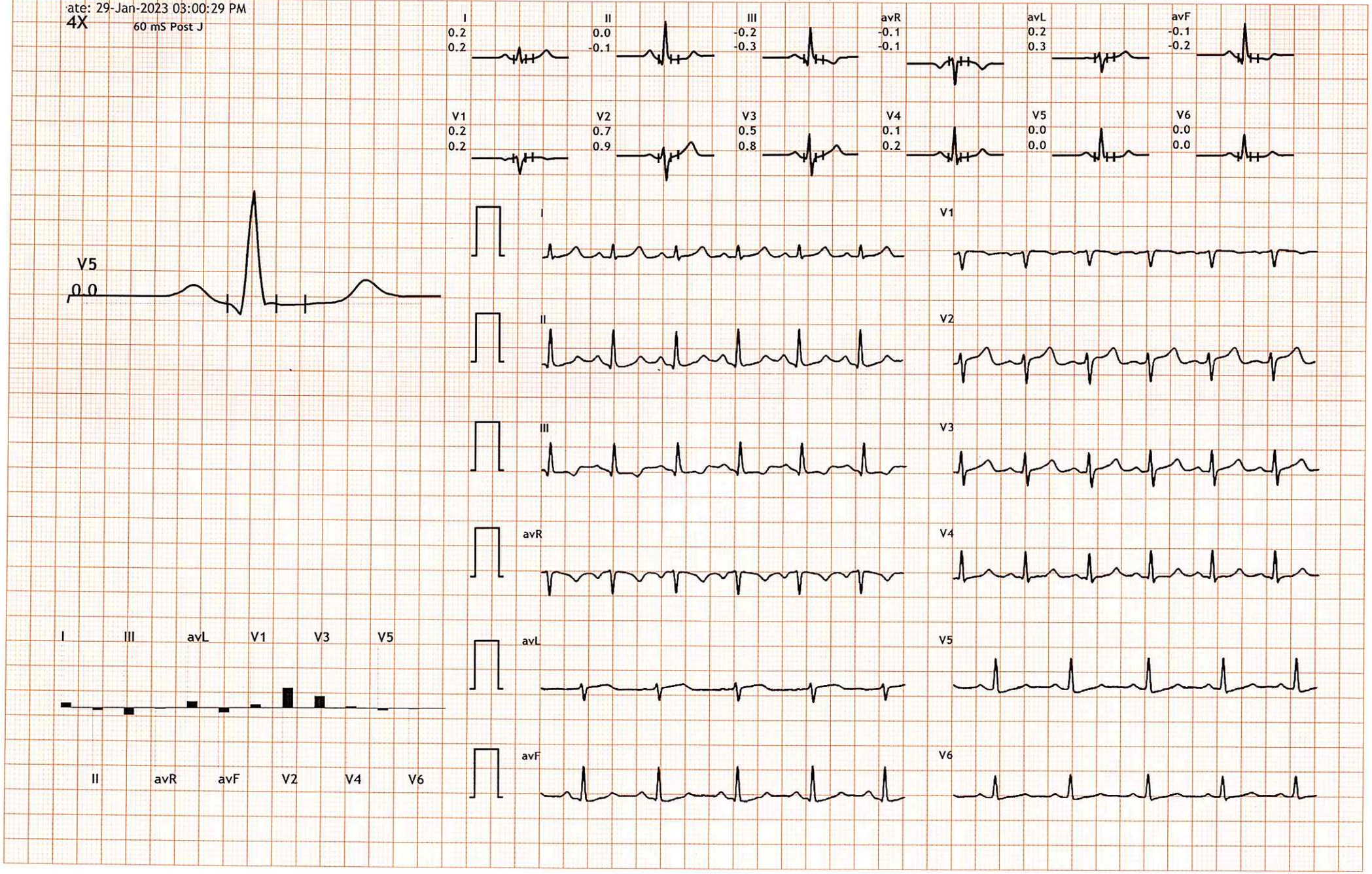
HR: 116 bpm
METS: 1.0
BP: 120/80

MPHR:62% of 185
Speed: 0.0 mph
Grade: 0.0%

Raw ECG
BRUCE
(1.0-35)Hz

Ex Time 01:11
BLC :On
Notch :On

Standing
10.0 mm/mV
25 mm/Sec.



'3 HEALTH SOLUTIONS LLP
3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

12 Lead + Median

RMS

322385/MR MOHMMAD AJMAL
35 Yrs/Male
Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM
4X 60 mS Post J

HR: 114 bpm
METS: 1.0
BP: 120/80

MPHR:61% of 185
Speed: 0.0 mph
Grade: 0.0%

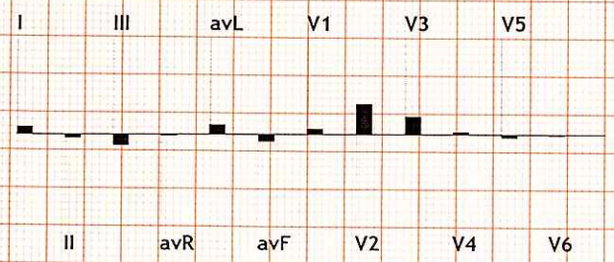
Raw ECG
BRUCE
(1.0-35)Hz

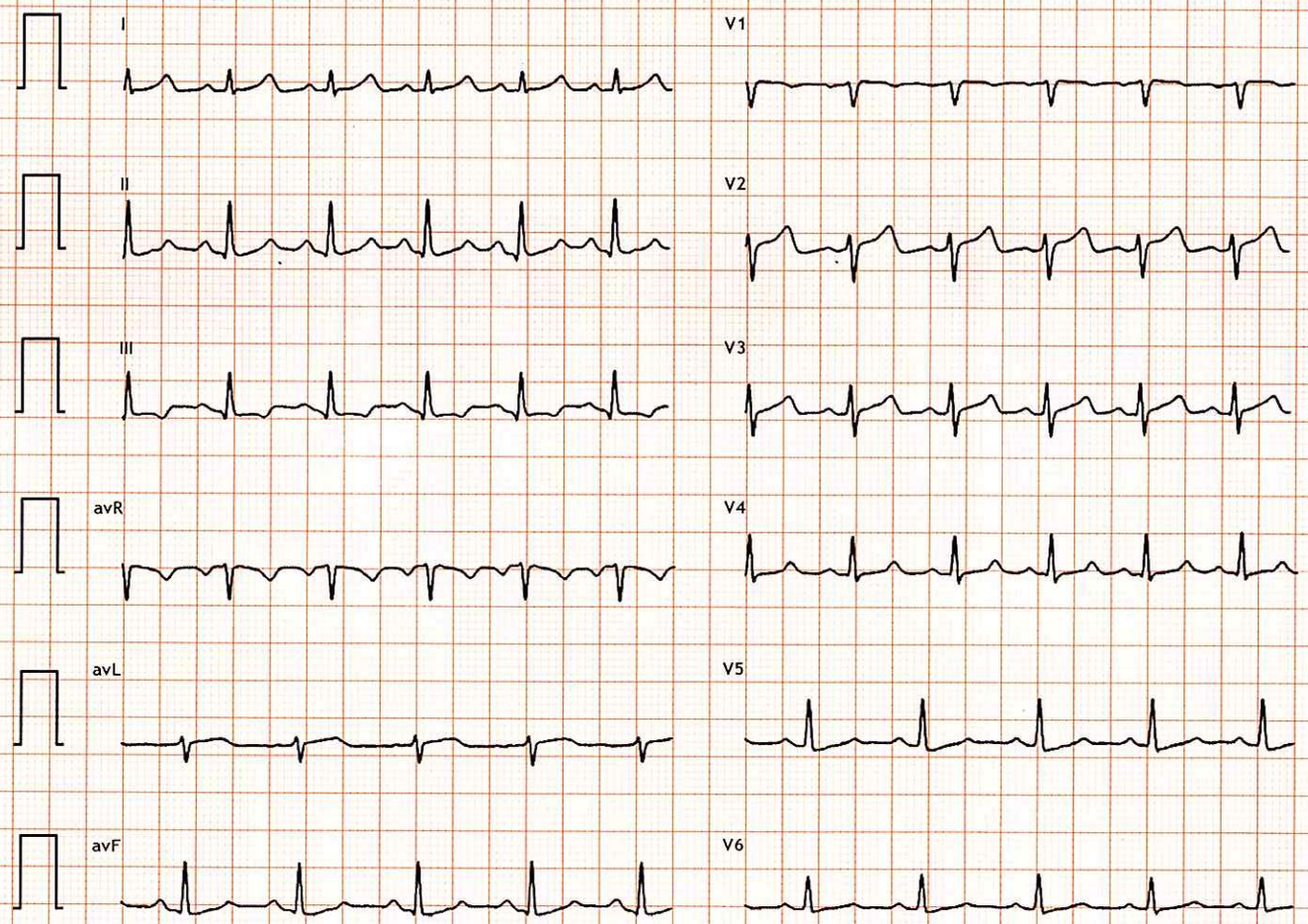
Ex Time 01:21
BLC :On
Notch :On

HV
10.0 mm/mV
25 mm/Sec.

I	II	III	avR	avL	avF
0.2	-0.1	-0.3	0.0	0.2	-0.2
0.3	-0.2	-0.4	-0.1	0.4	-0.3

V1	V2	V3	V4	V5	V6
0.3	0.8	0.5	0.1	-0.1	-0.1
0.3	0.9	0.7	0.1	-0.2	0.0





'3 HEALTH SOLUTIONS LLP
3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

12 Lead + Median

RMS

322385/MR MOHMMAD AJMAL
35 Yrs/Male
Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM
4X 60 mS Post J

HR: 150 bpm
METS: 4.7
BP: 130/80

MPHR:81% of 185
Speed: 1.7 mph
Grade: 10.0%

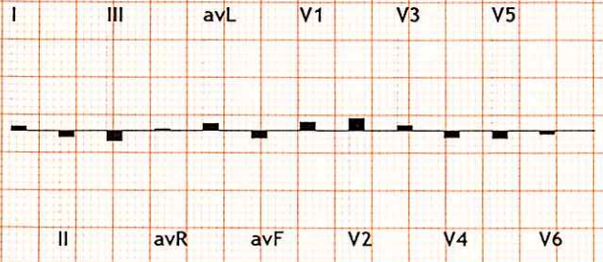
Raw ECG
BRUCE
(1.0-35)Hz

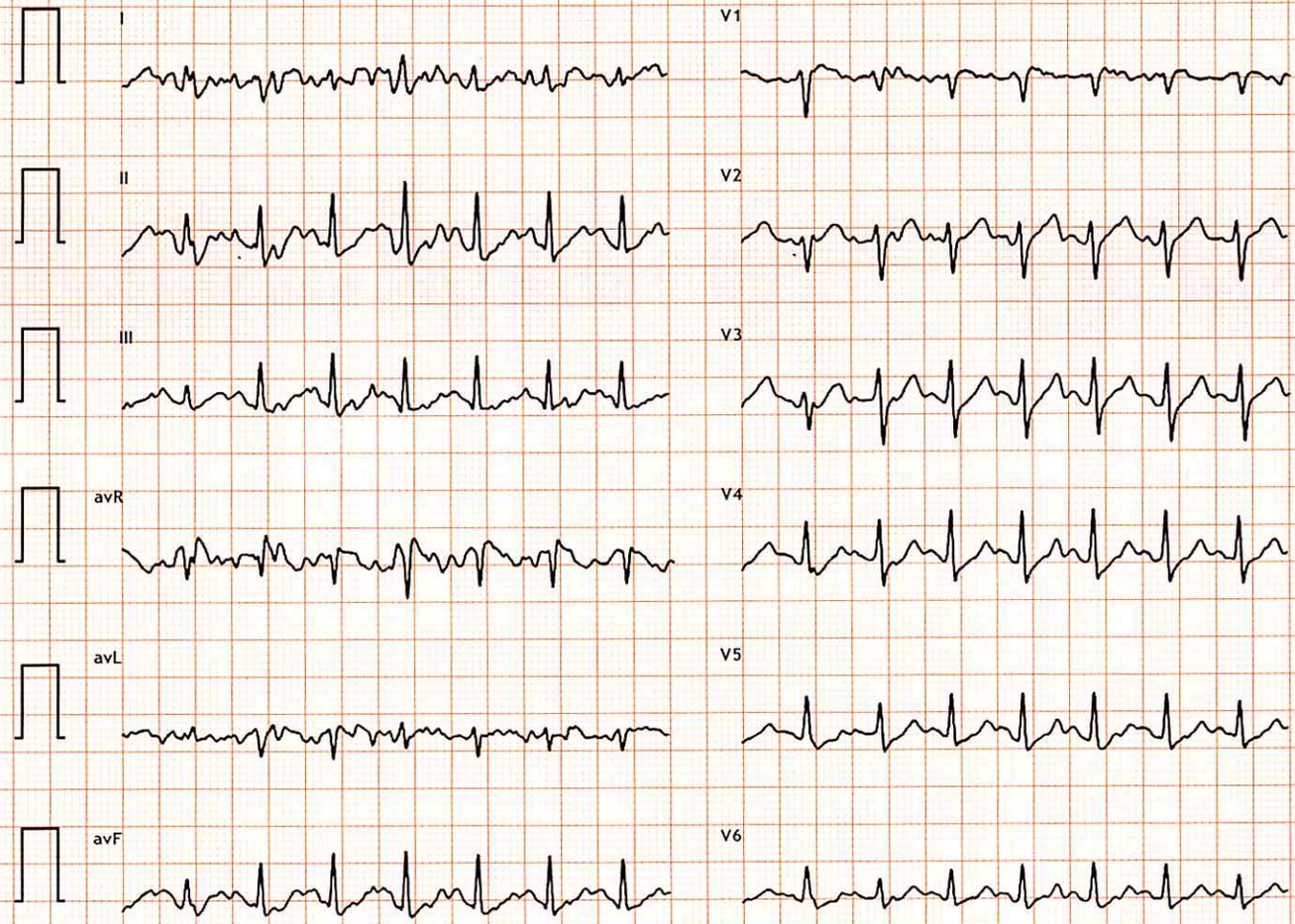
Ex Time 02:59
BLC :On
Notch :On

BRUCE:Stage 1(3:00)
10.0 mm/mV
25 mm/Sec.

I	II	III	avR	avL	avF
0.1 0.6	-0.2 0.5	-0.3 -0.1	0.0 -0.6	0.2 0.3	-0.3 0.2

V1	V2	V3	V4	V5	V6
0.3 0.2	0.4 1.6	0.2 1.7	-0.2 0.9	-0.3 0.4	-0.1 0.4





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3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

12 Lead + Median

(322385/MR MOHMMAD AJMAL
35 Yrs/Male
Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM
4X 60 mS Post J

HR: 180 bpm
METS: 7.1
BP: 140/80

MPHR:97% of 185
Speed: 2.5 mph
Grade: 12.0%

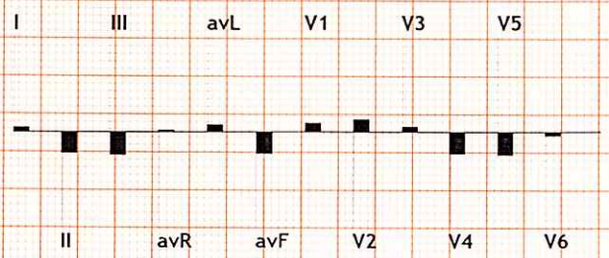
Raw ECG
BRUCE
(1.0-35)Hz

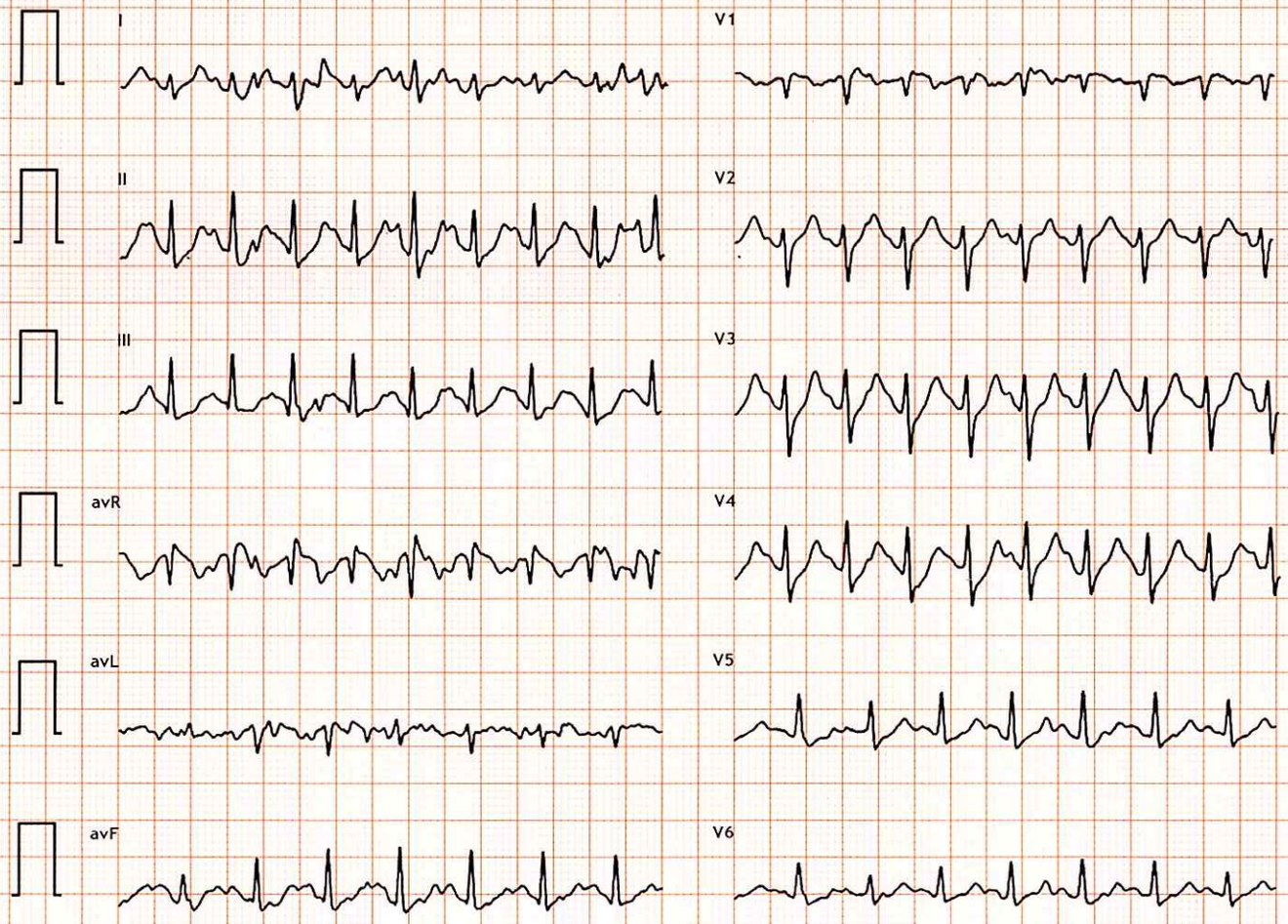
Ex Time 05:59
BLC :On
Notch :On

BRUCE:Stage 2(3:00)
10.0 mm/mV
25 mm/Sec.

I	II	III	avR	avL	avF
0.1	-0.7	-0.8	0.3	0.4	-0.7
1.4	2.1	0.7	-1.7	0.4	1.4

V1	V2	V3	V4	V5	V6
0.2	0.7	0.0	-0.7	-0.8	-0.2
-0.4	2.4	3.1	1.9	1.1	1.1





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3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

12 Lead + Median

RMS

322385/MR MOHMMAD AJMAL
35 Yrs/Male
Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM
4X 60 mS Post J

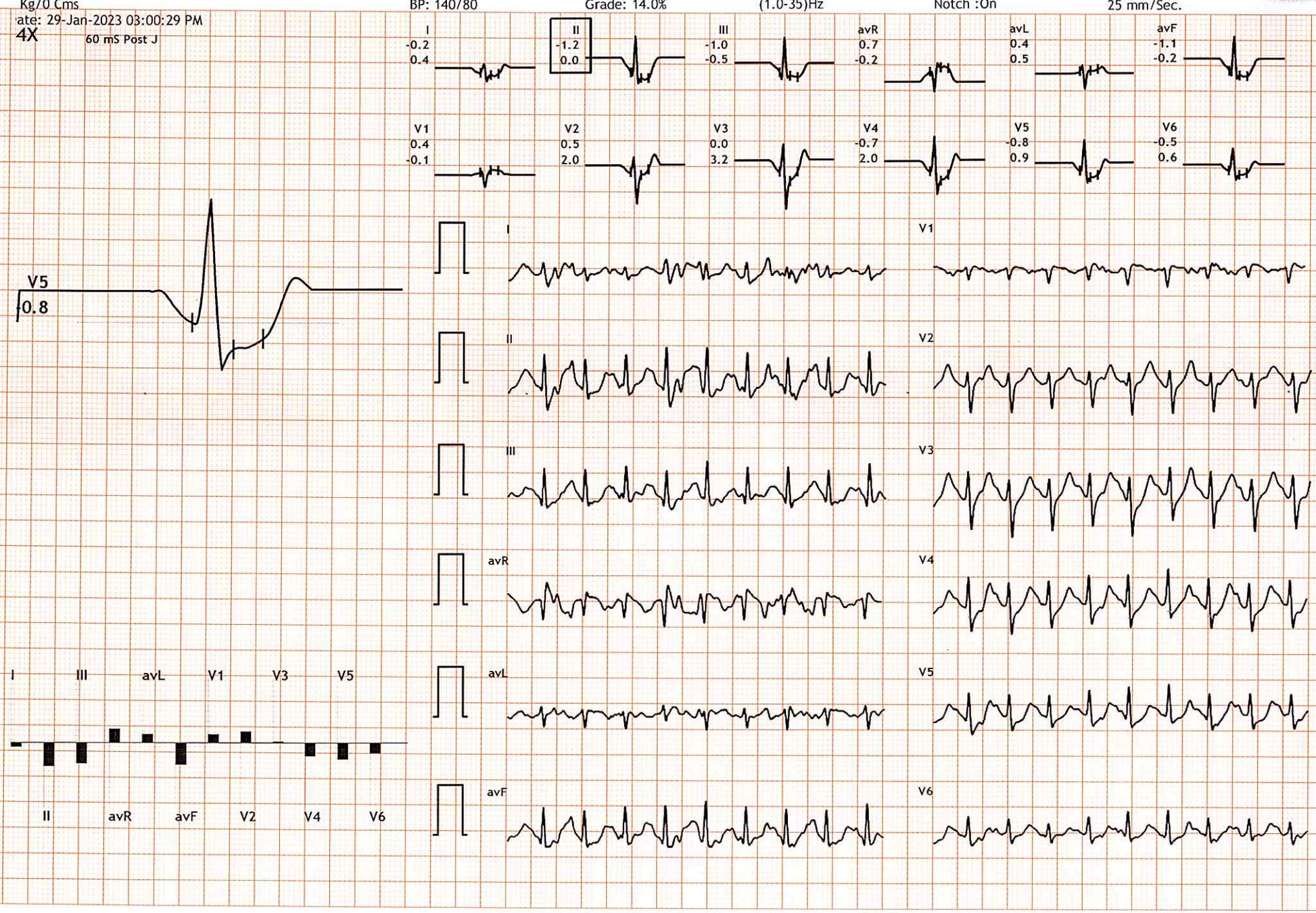
HR: 186 bpm
METS: 7.8
BP: 140/80

MPHR:100% of 185
Speed: 3.4 mph
Grade: 14.0%

Raw ECG
BRUCE
(1.0-35)Hz

Ex Time 06:40
BLC :On
Notch :On

BRUCE:PeakEx(0:40)
10.0 mm/mV
25 mm/Sec.



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3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

12 Lead + Median

RMS

1322385/MR MOHMMAD AJMAL
35 Yrs/Male
Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM
4X 60 mS Post J

HR: 165 bpm
METS: 1.3
BP: 140/80

MPHR:89% of 185
Speed: 0.0 mph
Grade: 0.0%

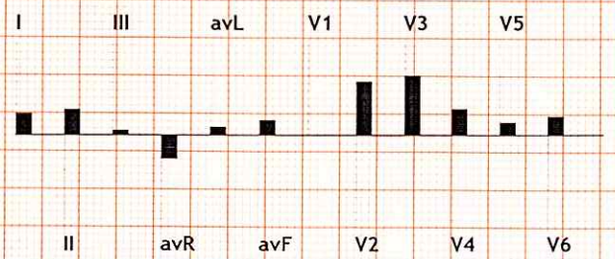
Raw ECG
BRUCE
(1.0-35)Hz

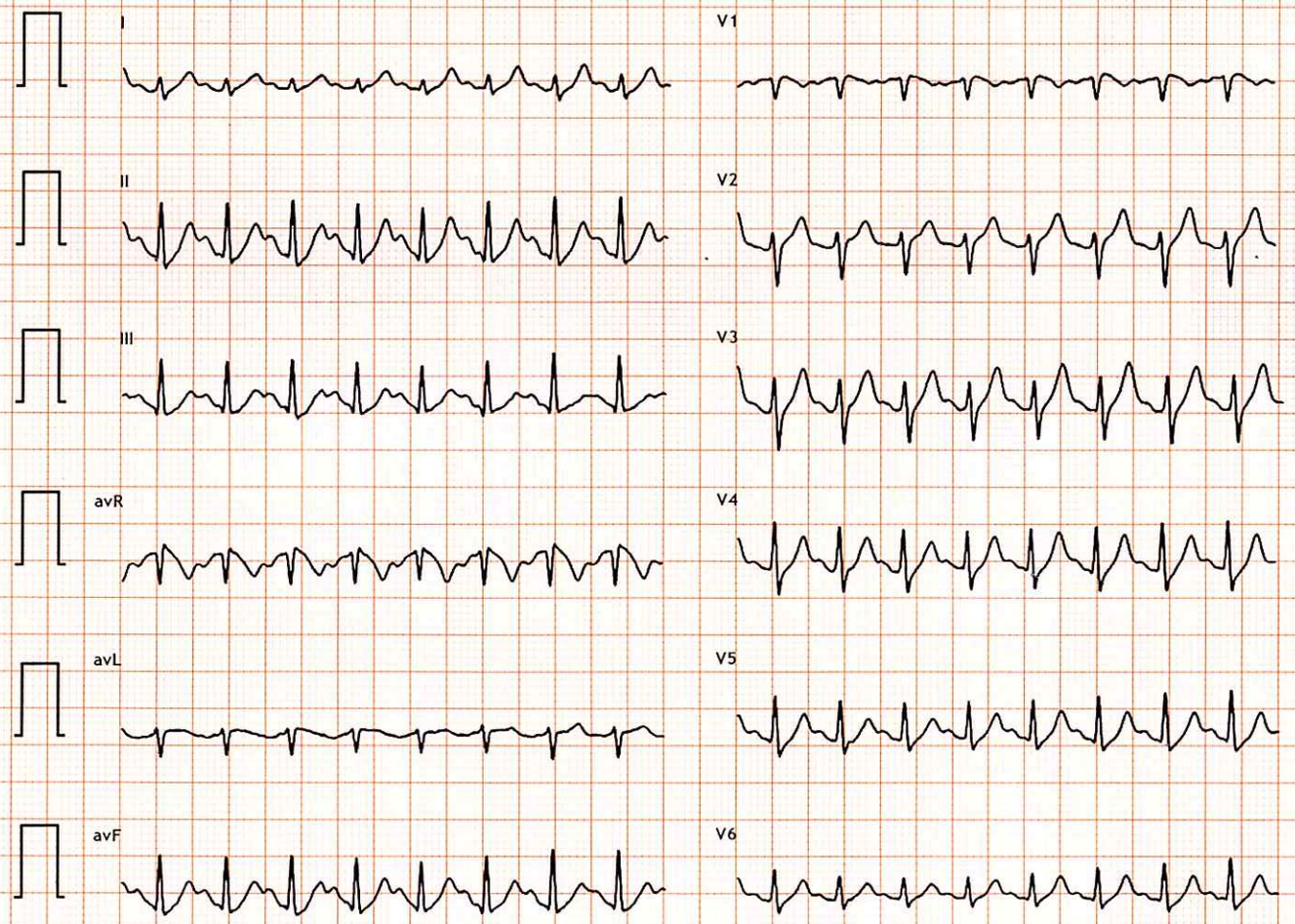
Ex Time 06:42
BLC :On
Notch :On

Recovery(1:00)
10.0 mm/mV
25 mm/Sec.

I	II	III	avR	avL	avF
0.7	0.9	0.1	-0.8	0.3	0.5
1.8	3.1	1.3	-2.4	0.3	2.1

V1	V2	V3	V4	V5	V6
0.0	1.8	2.0	0.9	0.4	0.6
-0.4	3.5	4.7	3.1	2.0	1.8





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3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

12 Lead + Median

RMS

322385/MR MOHMMAD AJMAL
5 Yrs/Male
Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM
4X 60 mS Post J

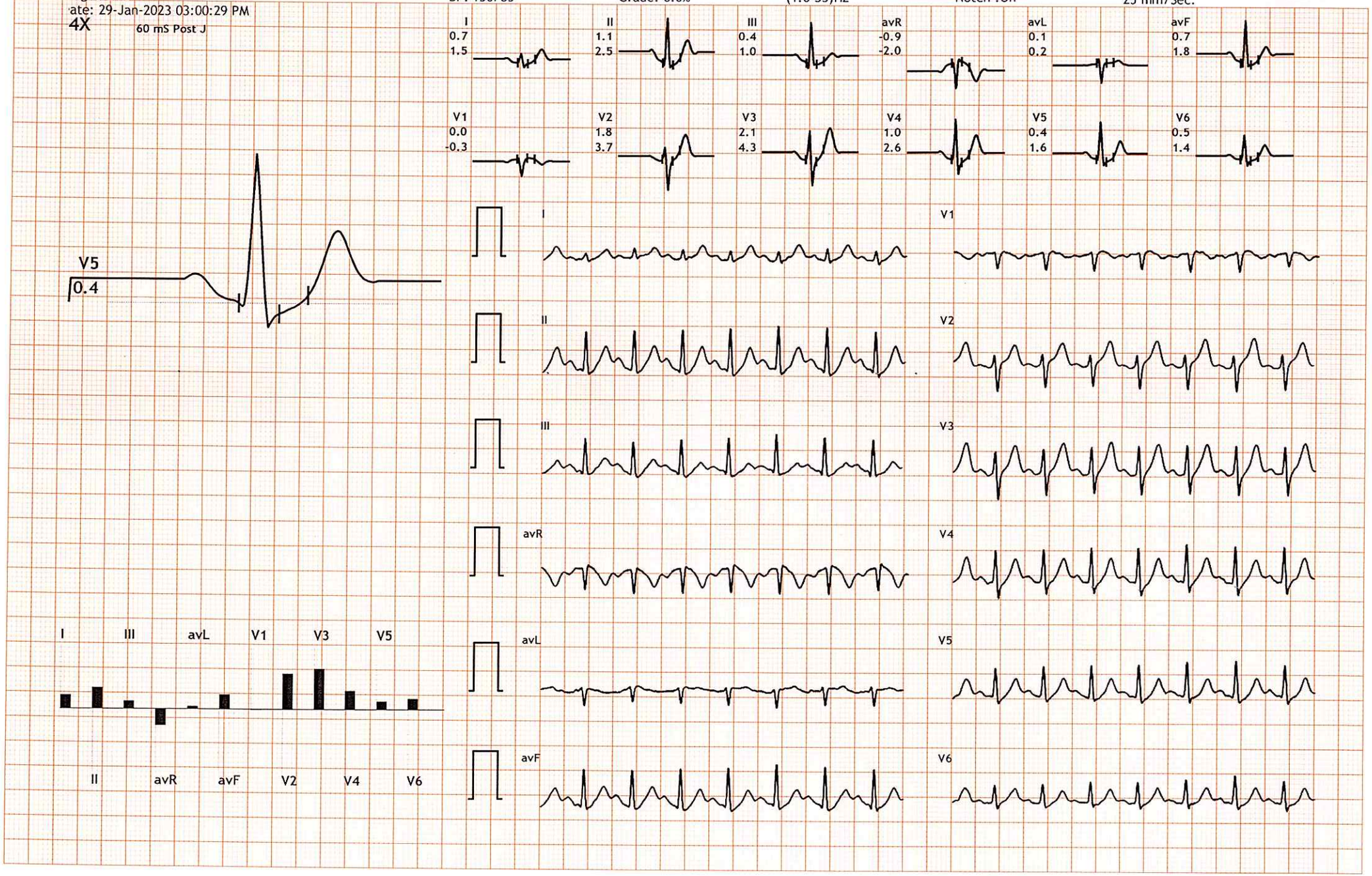
HR: 149 bpm
METS: 1.0
BP: 150/85

MPHR:80% of 185
Speed: 0.0 mph
Grade: 0.0%

Raw ECG
BRUCE
(1.0-35)Hz

Ex Time 06:42
BLC :On
Notch :On

Recovery(2:00)
10.0 mm/mV
25 mm/Sec.



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3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

12 Lead + Median

RMS

1322385/MR MOHMMAD AJMAL
3 5 Yrs/Male
Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM
4X 60 mS Post J

HR: 135 bpm
METS: 1.0
BP: 140/80

MPHR:72% of 185
Speed: 0.0 mph
Grade: 0.0%

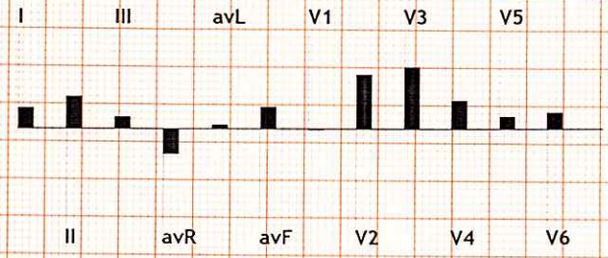
Raw ECG
BRUCE
(1.0-35)Hz

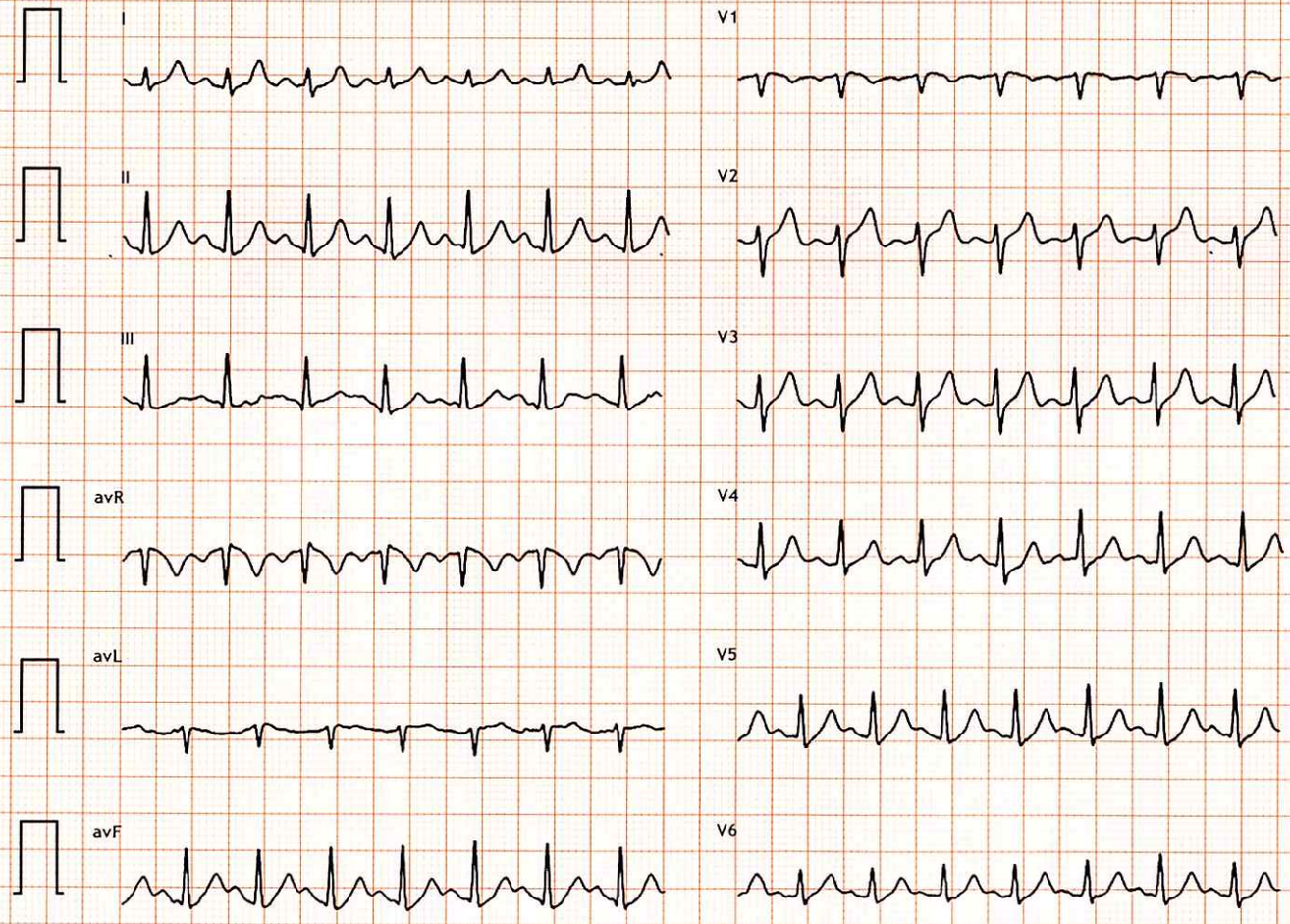
Ex Time 06:42
BLC :On
Notch :On

Recovery(3:00)
10.0 mm/mV
25 mm/Sec.

I	II	III	avR	avL	avF
0.5	0.4	-0.1	-0.4	0.3	0.2
1.1	1.6	0.5	-1.3	0.3	1.0

V1	V2	V3	V4	V5	V6
0.2	1.3	1.2	0.4	0.0	0.0
-0.1	2.3	2.5	1.4	0.8	0.6





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3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

12 Lead + Median

RMS

1322385/MR MOHMMAD AJMAL
35 Yrs/Male
Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM
4X 60 mS Post J

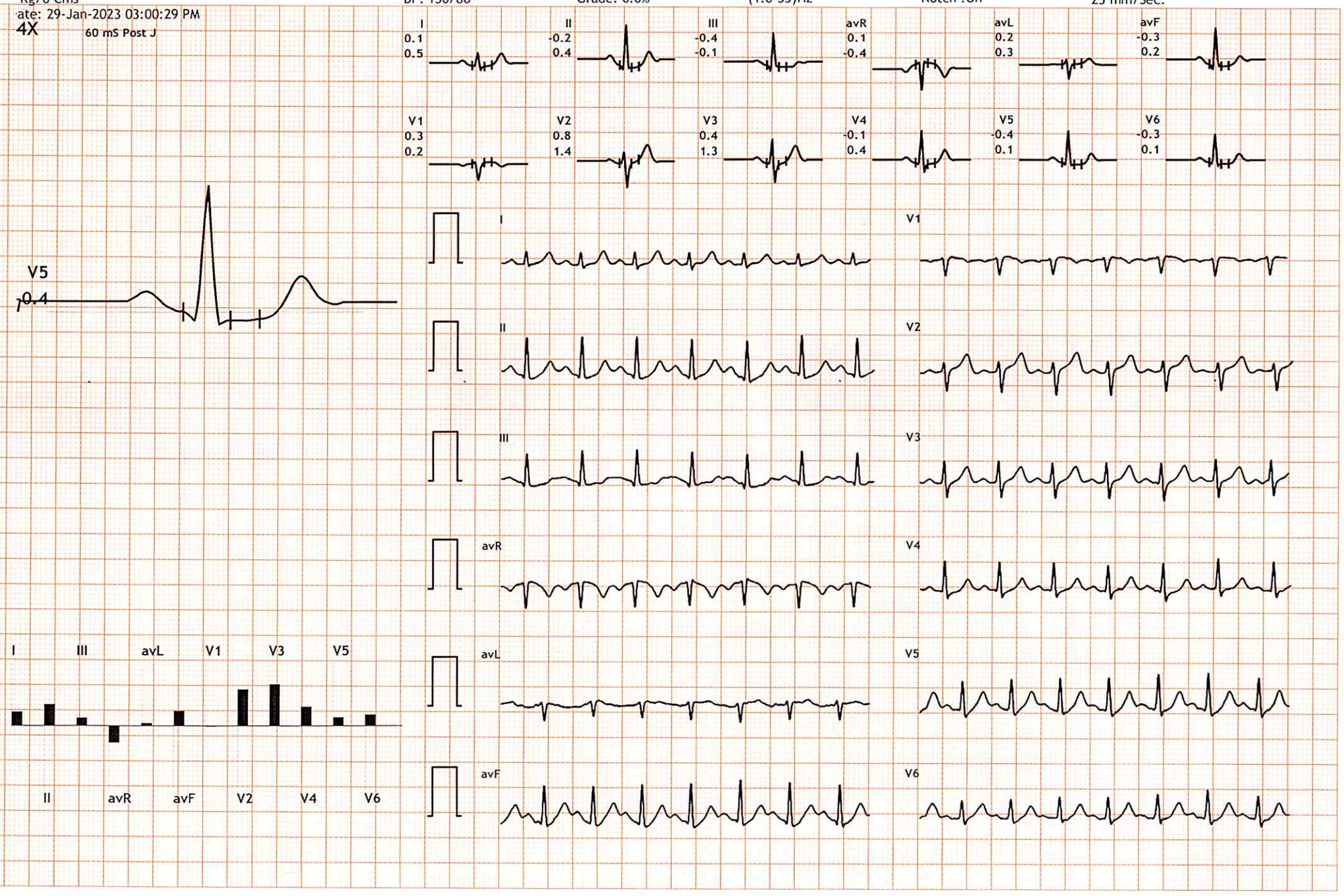
HR: 134 bpm
METS: 1.0
BP: 130/80

MPHR:72% of 185
Speed: 0.0 mph
Grade: 0.0%

Raw ECG
BRUCE
(1.0-35)Hz

Ex Time 06:42
BLC :On
Notch :On

Recovery(4:00)
10.0 mm/mV
25 mm/Sec.



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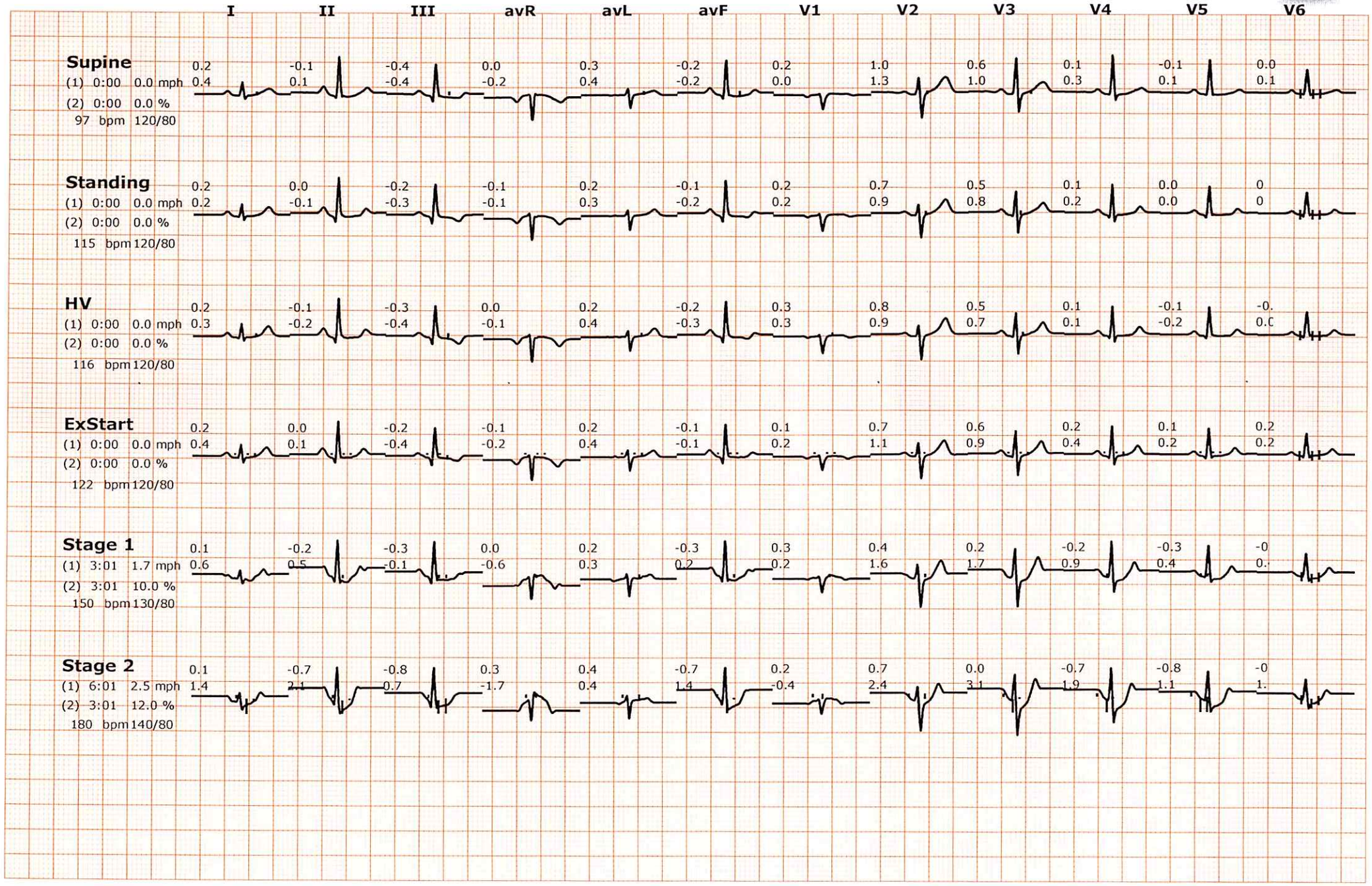
3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur

1322385/MR MOHMMAD AJMAL 35 Yrs/Male 0 Kg/0 Cms

Date: 29-Jan-2023 03:00:29 PM

Average

RMS



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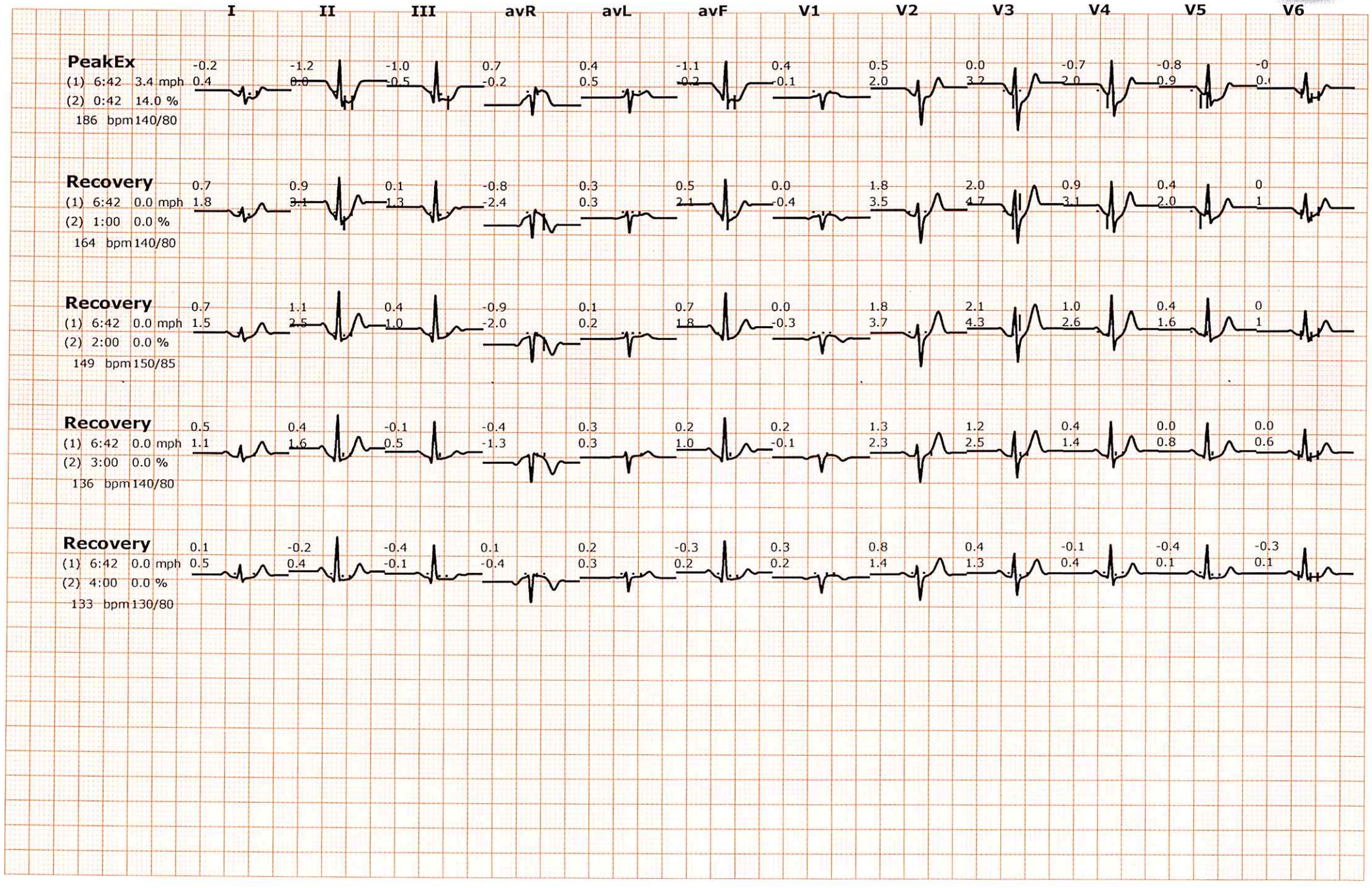
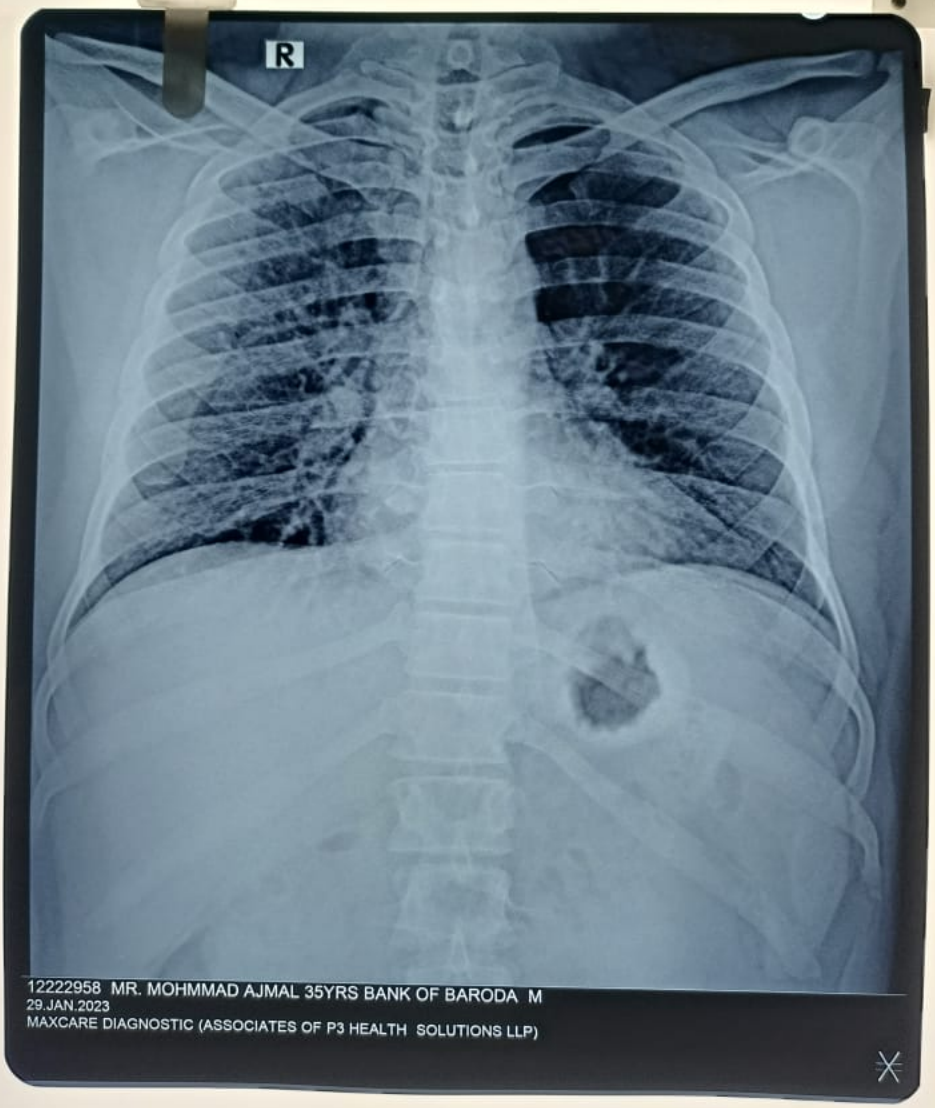
3-14,Vidhyadhar Nagar Enclave,Phase -2,Jaipur
I 322385/MR MOHMMAD AJMAL 35 Yrs/Male 0 Kg/0 Cms
ate: 29-Jan-2023 03:00:29 PM

Average

RMS




R
12222958 MR. MOHMMAD AJMAL 35YRS BANK OF BARODA M
29.JAN.2023
MAXCARE DIAGNOSTIC (ASSOCIATES OF P3 HEALTH SOLUTIONS LLP)