Fortis MEDCENTRE
CHANDIGARH
(A unit of Fortis Hospital Mohali)
SCO 11, Sector 11-D, Chandigarh - 160011

Name Mr. Ajay kumar
UHID : 1226834 Date : 1/2/2023
Age : 33 Gender : Male

Nursing Assessment

Profile	
Height (cm) : 180 cm	Waist Circumference (cm) : 32 Inch
Weight (Kg.) : 80 Kg	Body Mass Index :
Occupation : Govt Job	Marital Status ☐ Single ☒ Married

Vital Signs	
Pulse Rate (/min) : 75 b/m	SpO2 100% Respiratory Rate (/min) : 23 b/m
Blood Pressure (mmHg) : 110/60 mm Hg	Temperature (if febrile) : AF ebrile

Past History	
☒ Hypertension :	☒ Diabetes :
☒ Heart disease :	☒ Dyslipidemia :
☒ Asthma :	☒ Tuberculosis :
☒ Allergies :	
☒ Others :	

For Women	
LMP:	Last Pap smear done in
Menopause ☐ Yes ☒ No	Last Mammography done in
Consent for X-ray & Mammography	

Current Medications
NA

Signature, Name and Emp. ID of the Nurse : _____

Fortis MEDCENTRE
CHANDIGARH
(A unit of Fortis Hospital Mohali)
SCO 11, Sector 11-D, Chandigarh - 160011

Name : Mr. Ajay Kumar
UHID : 1226837 Date : 1/2/2023
Age : 33 Gender : Male

Internal Medicine Consultation

Relevant History:

Diagnosis:

Examination Findings:

Advice / Treatment Plan:

Investigations:

Signature and stamp of the Consultant : _____

Fortis MEDCENTRE
CHANDIGARH
(A unit of Fortis Hospital Mohali)
SCO 11, Sector 11-D, Chandigarh - 160011

Name Mr. Ajay Kumar
UHID : 12268039 Date : 1/2/2023
Age : 33 Gender : Male

Ophthalmology Consultation

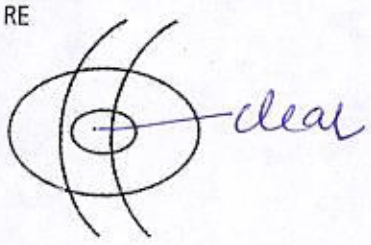
History: NIL

Examination findings:

Visual acuity R 6/6, L 6/6
Visual acuity with glasses R, L
Colour Vision R WNL, L WNL

Slit Lamp Examination

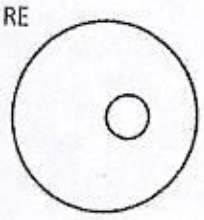
RE



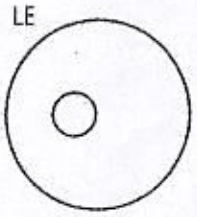
LE

Fundus Examination

RE



LE



Diagnosis: NAD BE

Treatment"

Spectacle prescription:

Right eye

	SPH	CYL	AXIS	VA
Distance	Plano			6/6
Near				N6

Left eye

	SPH	CYL	AXIS	VA
Distance	Plano			6/6
Near				N·6

Signature and stamp of the Ophthalmologist : _____

Fortis MEDCENTRE
CHANDIGARH

8729000261

Fortis Medcentre
SCO-11, Sector-11-D,
Chandigarh - 160 011 (India)
Telephone : 0172 506 1222 / 505 5441
Fax : 0172-5055440
E-mail : contactus.fmc@fortishealthcare.com
Website : www.fortishealthcare.com

1/2/23

Mr. Ajay kumar

33 | Male

O/E Dental caries . 18, 28, 17, 47, 37

Impacted 48, 38

Stain++ Calculus++

Adv. Oral Prophylaxis

Restn of carious teeth

OPG.

Disimpaction wrt 48, 38.

For Dr neetu.

Dr. Neetu B. Narula
MD,BDS
Endodontist & Cosmetic Dentist
Root Canal Specialist
Mobile:8729000261
Reg. No.2198-A
Fortis MEDCENTRE
S.C.O. 11,Sec.11-D,Chandigarh
Ph. No.0172-5061222,5055441

Vital Signs™ 226 166 05

CE 0537 D 712

Ajay kumar
ID: **12268039**

01.02.2023 11:34:38
Fortis Med Centre
sector 11
Chandgarh

Location:
Order Number:
Visit:
Indication:
Medication 1:
Medication 2:
Medication 3:

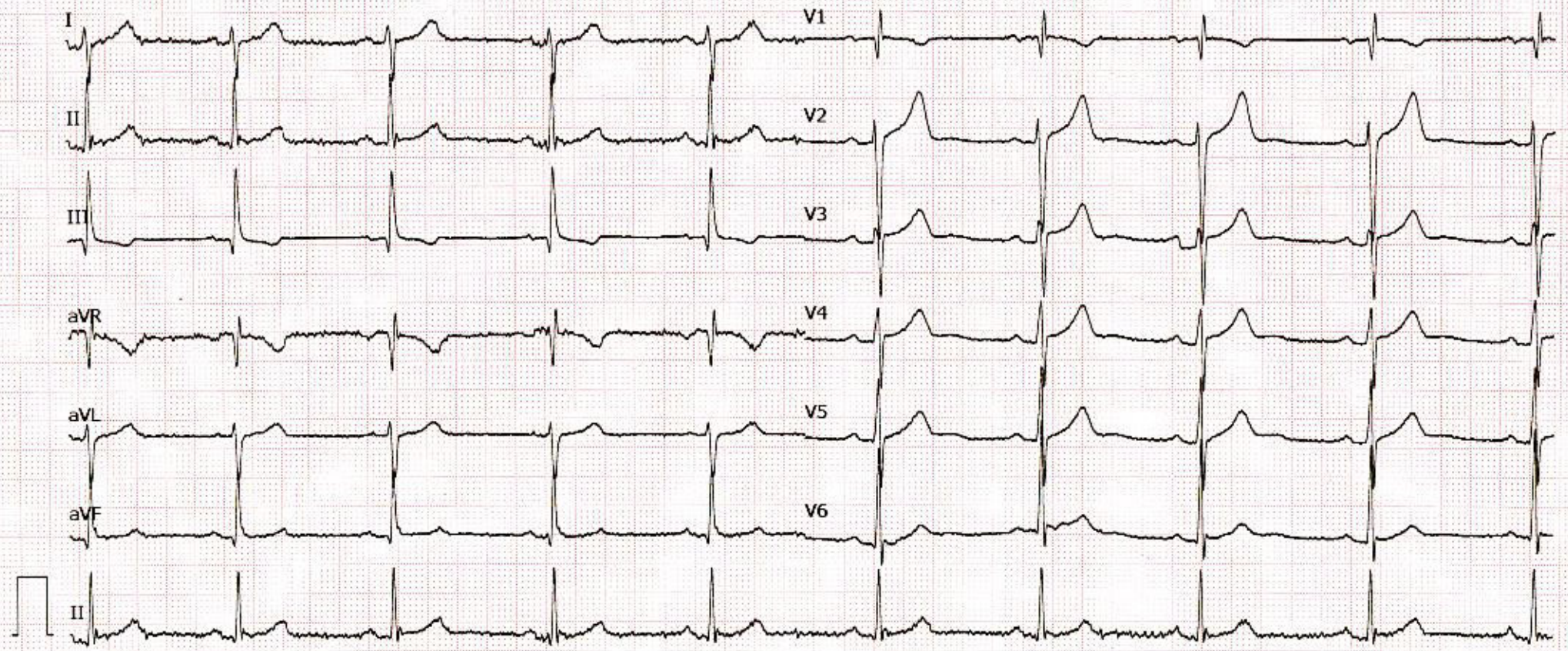
Room:

55 bpm
-- / -- mmHg

Technician:
Ordering Ph:
Referring Ph:
Attending Ph:

QRS :	80 ms
QT / QTcBaz :	430 / 411 ms
PR :	178 ms
P :	104 ms
RR / PP :	1082 / 1090 ms
P / QRS / T :	37 / 99 / 26 degrees

Sinus bradycardia
Rightward axis
Borderline ECG



Unconfirmed

GE MAC2000 1.1 12SL™ v241 25 mm/s 10 mm/mV ADS 0.56-40 Hz 50 Hz 2x5x6_25_R1 1/1

Patient Name	: Ajay Kumar	**Episode No.**	: 0
UHID	: 12268039	**Sample ID**	: FHM23-R01530
Age / Gender	: 33 Year/ Male	**Sample Drawn**	:
Ward	:	**Sample Received**	: 01/Feb/2023 02:47 PM
Referred By	:	**Reported**	: 01/Feb/2023 03:53 PM
Diagnosis / Clinical Information	:		

Blood Group Report

Final Report

Sample Type	**: EDTA**
Method	**: AUTOMATION**
Forward Blood Group	**: B Rh Negative**
Reverse Blood Group	**: B**
Final Blood Group	**: B Rh Negative**
Remark	:

Tested By : hari om verma **Verified By :** hari om verma **Approved By :**

Dr. Apra Kalra
Addl Director & Head
Transfusion Medicine

Note : Blood group is identified by ABO antigens (forward grouping) present on red cell membrane And anti-ABO antibodies (reverse grouping) present in the plasma. A grouping discrepancy is when there is a mismatch in forward and reverse Blood grouping. Special methods need to be Performed to solve such discrepancies.

In case of Newborn/cord blood grouping, only forward blood grouping would be done as the anti-ABO antibodies (for reverse grouping) Are not present till 4 to 6 months of age. Thus new born grouping should be considered as provisional report and should be supplemented by re-blood grouping after 4 to 6 months of age/ or by more sensitive tests like molecular blood grouping.

"Blood grouping is done on the received sample. In case of any suspected discrepancy, Blood centre should be contacted , 1724692270"

*******End of Report *******

Reference:

Method section 2: Red cell typing; AABB technical manual 19th Ed
Wong ECC, Punzalan RC. Neonatal and Pediatric
Transfusion practice. Technical Manual,
AABB, 19th Ed; p613-640

Fortis MEDCENTRE
CHANDIGARH

Fortis Medcentre
SCO-11, Sector-11-D,
Chandigarh - 160 011 (India)
Telephone : 0172 506 1222 / 505 5441
Fax : 0172-5055440
E-mail : contactus.fmc@fortishealthcare.com
Website : www.fortishealthcare.com

NAME: MR. AJAY KUMAR
AGE AND SEX:33 Y/M
UHID NO: 12268039
DATE: 01/02/2023
ROI: WHOLE ABDOMEN

Liver is normal in size, outline and echogenicity. No focal lesion seen. IHBR's are not dilated. Portal vein and hepatic veins are normal.

Gall bladder is normally distended with anechoic lumen. Wall thickness is normal. No calculus / focal lesion seen. No pericholecystic fluid / collection seen. CBD is normal.

Pancreas is visualized in region of head and proximal body and is normal in size, shape, outline and echotexture. No focal lesion seen. Distal body and tail are obscured by bowel gases.

Spleen is normal in size, outline and echotexture. No focal lesion seen.

Right kidney is normal in size, outline and echogenicity. Cortico-medullary differentiation is maintained. No hydronephrosis / calculus is seen.

Left kidney is normal in size, outline and echogenicity. Cortico-medullary differentiation is maintained. No hydronephrosis / calculus is seen.

Retroperitoneum is normal.

The urinary bladder is fully distended and is normal in outline and wall thickness. No calculi or growth seen

Prostate is normal in size, and shows normal outline and echopattern. No focal lesion seen.

No free fluid is seen.

Opinion: Normal study.

Suggested clinical correlation.

Dr. NEHA CHHABRA.
Consultant Radiologist

AJAY KUMAR 33/M **Study Date: 01/02/2023**

Patient ID: 24391020230201 Accession #: Alt ID:

DOB: Age: Gender: Ht: Wt: BSA:

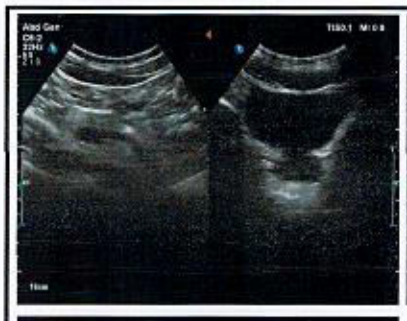
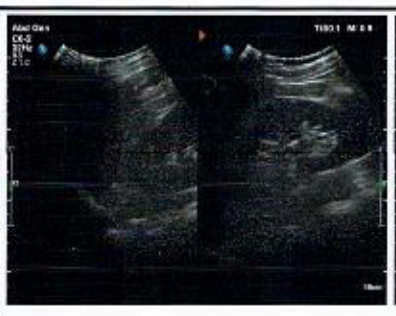
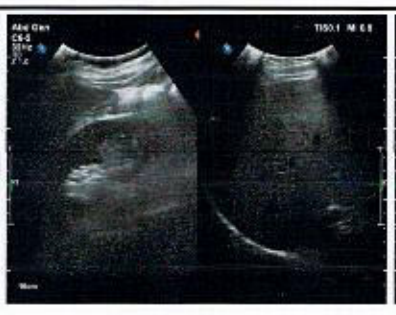
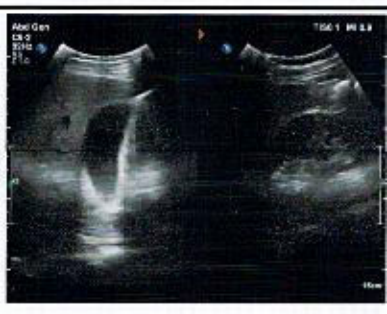
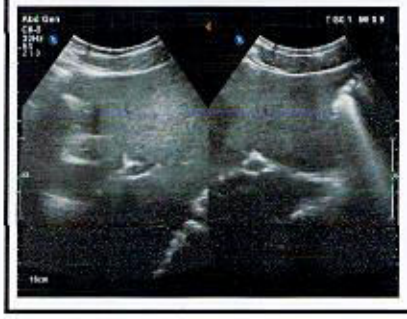
Institution: Fortis MEDCENTRE, Chandigarh

Referring Physician:

Physician of Record: Performed By:

Comments:

Images

Signature

Signature:

Name(Print): Date:

Fortis MEDCENTRE
CHANDIGARH

Fortis Medcentre
SCO-11, Sector-11-D,
Chandigarh - 160 011 (India)
Telephone : 0172 506 1222 / 505 5441
Fax : 0172-5055440
E-mail : contactus.fmc@fortishealthcare.com
Website : www.fortishealthcare.com

DEPARTMENT OF FMC-RADIOLOGY LAB

Date: 02/Fe[illegible]12

Name: Mr. Ajay Kumar
Age | Sex: 33 YEAR(S) | Male
Order Station : FRONTOFFICE-FMC
Bed Name :

UHID | Episode No : 12268039 | 1122/23/[illegible]21
Order No | Order Date: 10021/FN/OP/2302/2975 | 0[illegible]023
Admitted On | Reporting Date : 02-Feb-2[illegible]:44
Order Doctor Name : [illegible]

CHEST X-RAY (PA VIEW)

Both the domes of diaphragm are normal.

Both costophrenic angles are normal.

Both lung fields are clear.

Cardiac size and silhouette are normal.

Both hila and mediastinum are normal.

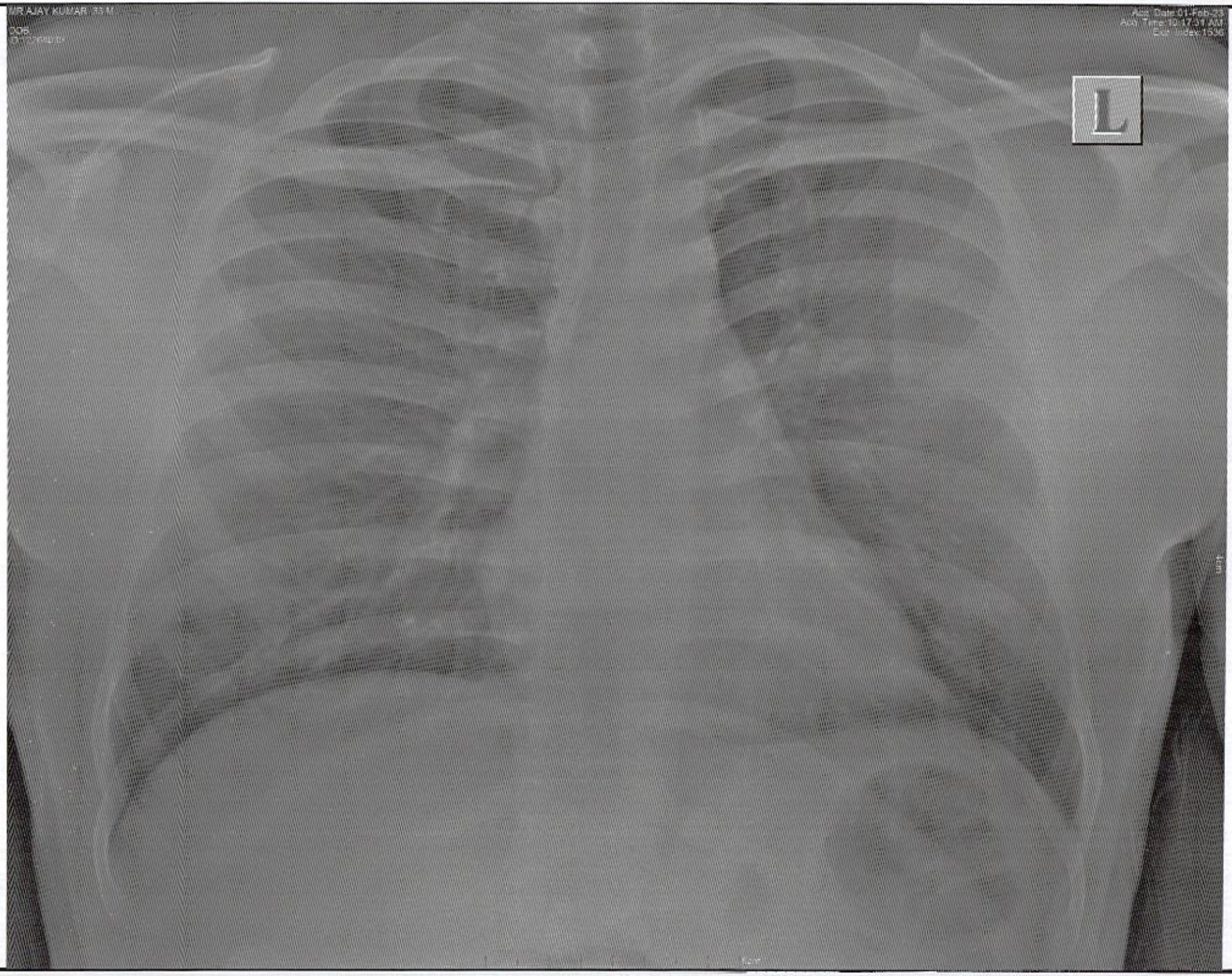
Bony cage and soft tissues are normal.

IMPRESSION: NORMAL STUDY.

Please correlate clinically and with other relevant investigations.

DR NEHA CHHABRA

CONSULTANT RADIOLOGIST


MR.AJAY KUMAR 33 M
DOB
Acq Date:01-Feb-23
Acq Time:10:17:31 AM
L

--
SCO 11, Sector 11 D
Chandigarh

Station
Telephone:

EXERCISE STRESS TEST REPORT

Patient Name: AJAY, KUMAR
Patient ID: 12268039
Height: 180 cm
Weight: 80 kg

DOB: 12.10.1989
Age: 33yrs
Gender: Male
Race: Indian

Study Date: 01.02.2023
Test Type: --
Protocol: BRUCE

Referring Physician: --
Attending Physician: --
Technician: --

Medications:
--

Medical History:
--

Reason for Exercise Test:

--

Exercise Test Summary

Phase Name	Stage Name	Time in Stage	Speed (km/h)	Grade (%)	HR (bpm)	BP (mmHg)	Comment
PRETEST	SUPINE	00:28	0.00	9.10	67	110/70	
	STANDING	00:34	0.00	9.00	72		
EXERCISE	STAGE 1	03:00	2.70	10.00	83	110/70	
	STAGE 2	03:00	4.00	12.00	93	120/80	
	STAGE 3	03:00	5.50	14.00	109	130/80	
	STAGE 4	02:24	6.80	16.00	131	140/80	
RECOVERY		02:12	0.00	8.90	95	110/80	

The patient exercised according to the BRUCE for 11:24 min:s, achieving a work level of Max. METS: 13.70. The resting heart rate of 67 bpm rose to a maximal heart rate of 131 bpm. This value represents 70 % of the maximal, age-predicted heart rate. The resting blood pressure of 110/70 mmHg , rose to a maximum blood pressure of 140/80 mmHg. The exercise test was stopped due to Target heart rate achieved.

Interpretation

Summary: Resting ECG: normal.
Functional Capacity: normal.
HR Response to Exercise: appropriate.
BP Response to Exercise: normal resting BP - appropriate response.
Chest Pain: none.
Arrhythmias: none.
ST Changes: none.
Overall impression: Normal stress test.

Conclusions

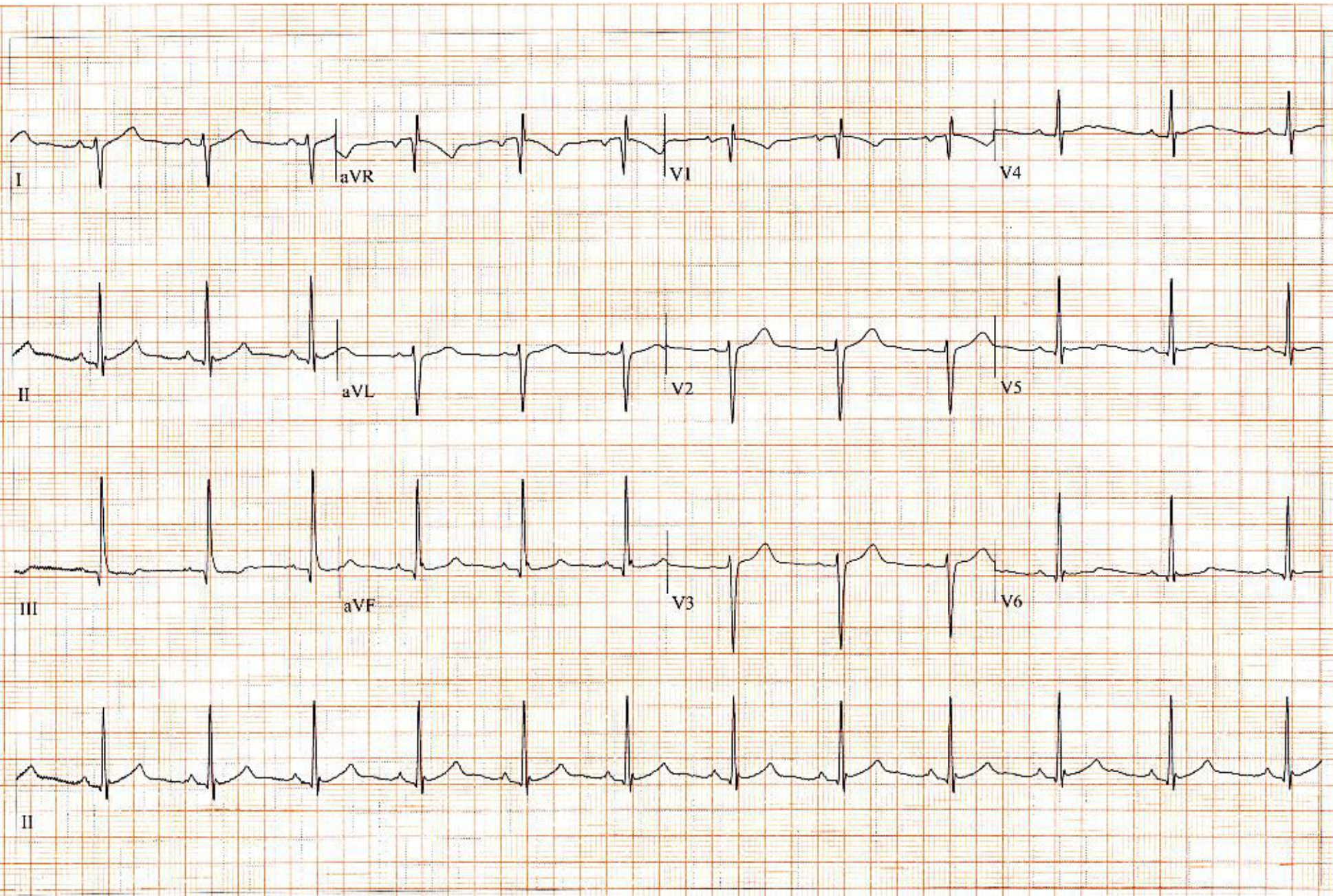
--

Physician _____ Technician _____

12-Lead Report

AJAY, KUMAR
Patient ID 12268039
01.02.2023
12:07:19pm

70 bpm



GE CardioSoft V6.73 (2)
25 mm/s 10 mm/mV 50Hz 0.01 - 40Hz S+ HR(V2,V5)

Start of Test: 12:07:15pm

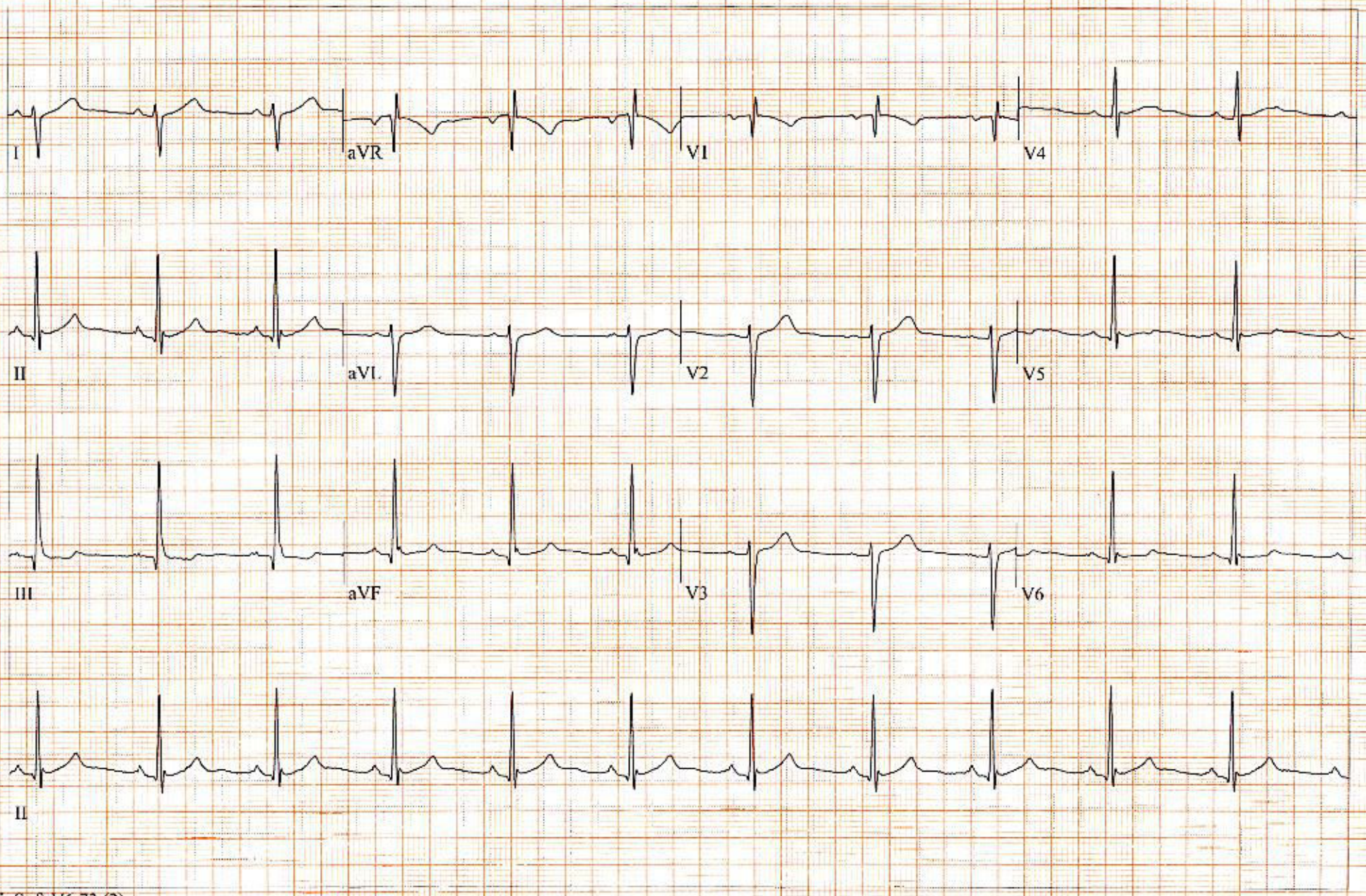
AJAY, KUMAR
Patient ID 12268039
01.02.2023
12:07:47pm

12-Lead Report

67 bpm
110/70 mmHg

PRETEST
SUPINE
00:27

BRUCE
0.0 km/h
9.1 %



GE CardioSoft V6.73 (2)
25 mm/s 10 mm/mV 50Hz 0.01 - 40Hz S+ HR(V2,V5)

Start of Test: 12:07:15pm

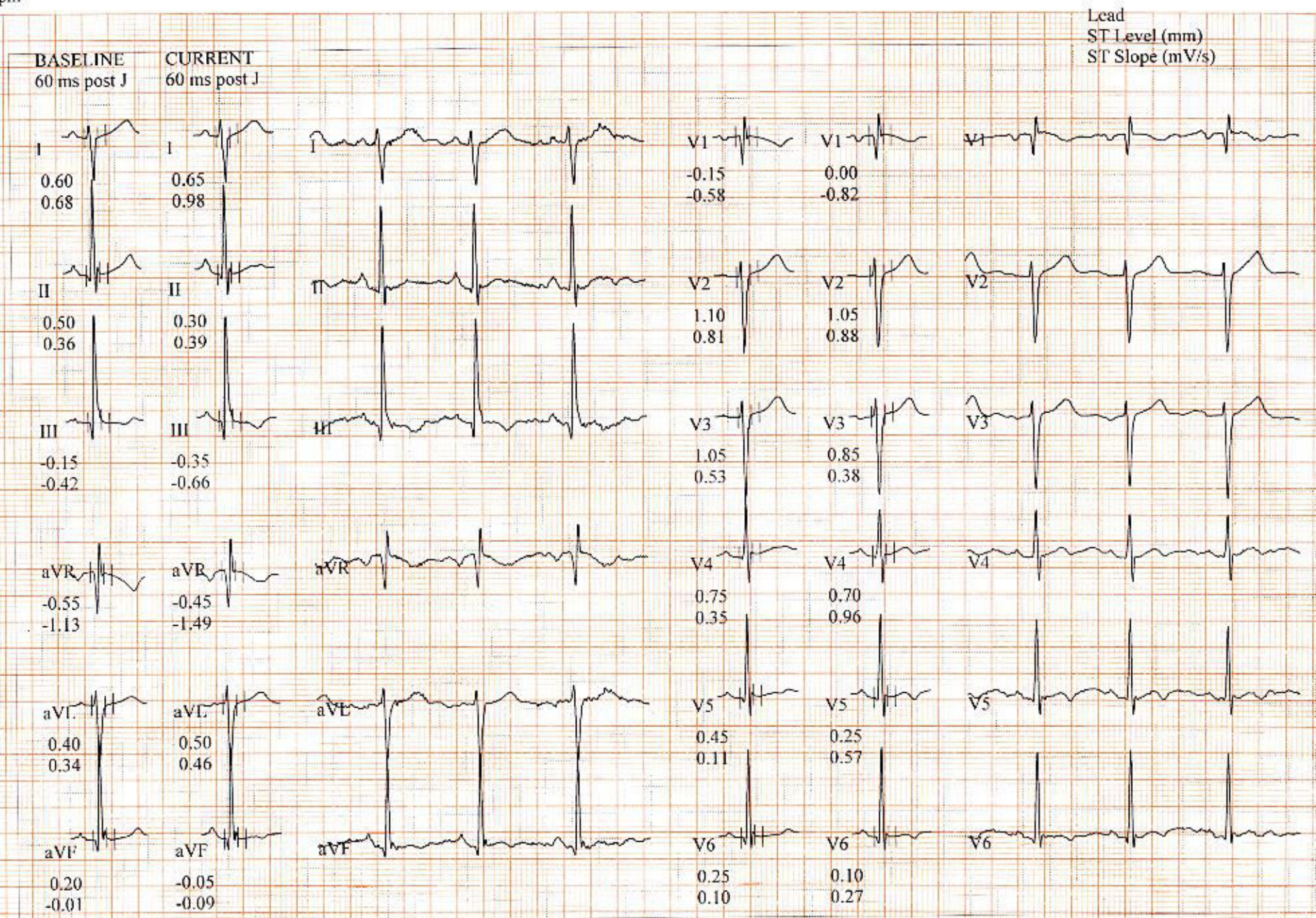
Comparative Medians Report

AJAY, KUMAR
Patient ID 12268039
01.02.2023
12:11:06pm

84 bpm
110/70 mmHg

EXERCISE
STAGE 1
02:50

BRUCE
2.7 km/h
10.0 %



GE CardioSoft V6.73 (2)
25 mm/s 10 mm/mV 50Hz 0.01 - 40Hz S- HR(V2,V5)

Start of Test: 12:07:15pm

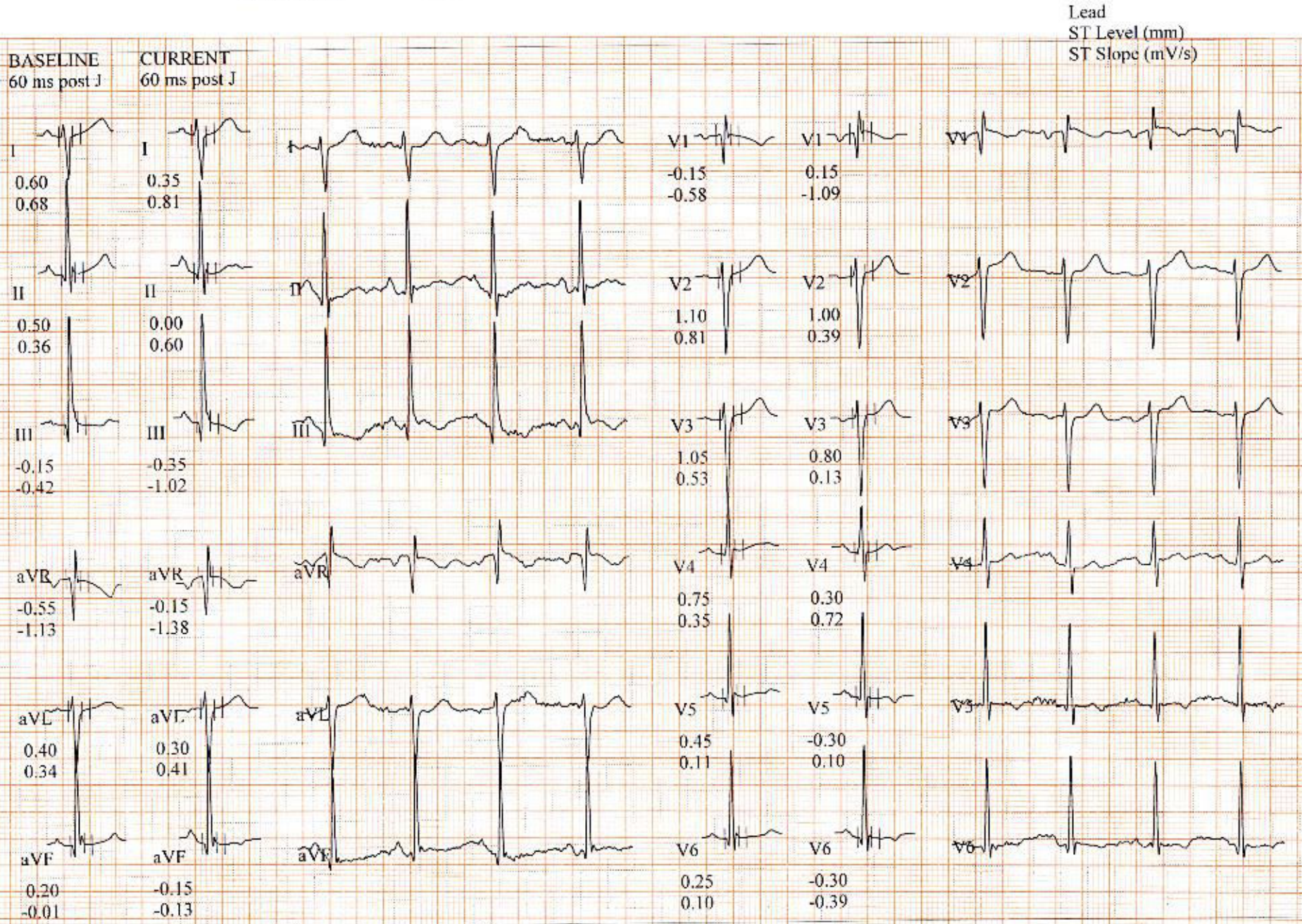
Comparative Medians Report

AJAY, KUMAR
Patient ID 12268039
01.02.2023
12:14:06pm

94 bpm
120/80 mmHg

EXERCISE
STAGE 2
05:50

BRUCE
4.0 km/h
12.0 %



GE CardioSoft V6.73 (2)
25 mm/s 10 mm/mV 50Hz 0.01 - 40Hz S+ HR(II,V6)

Start of Test: 12:07:15pm

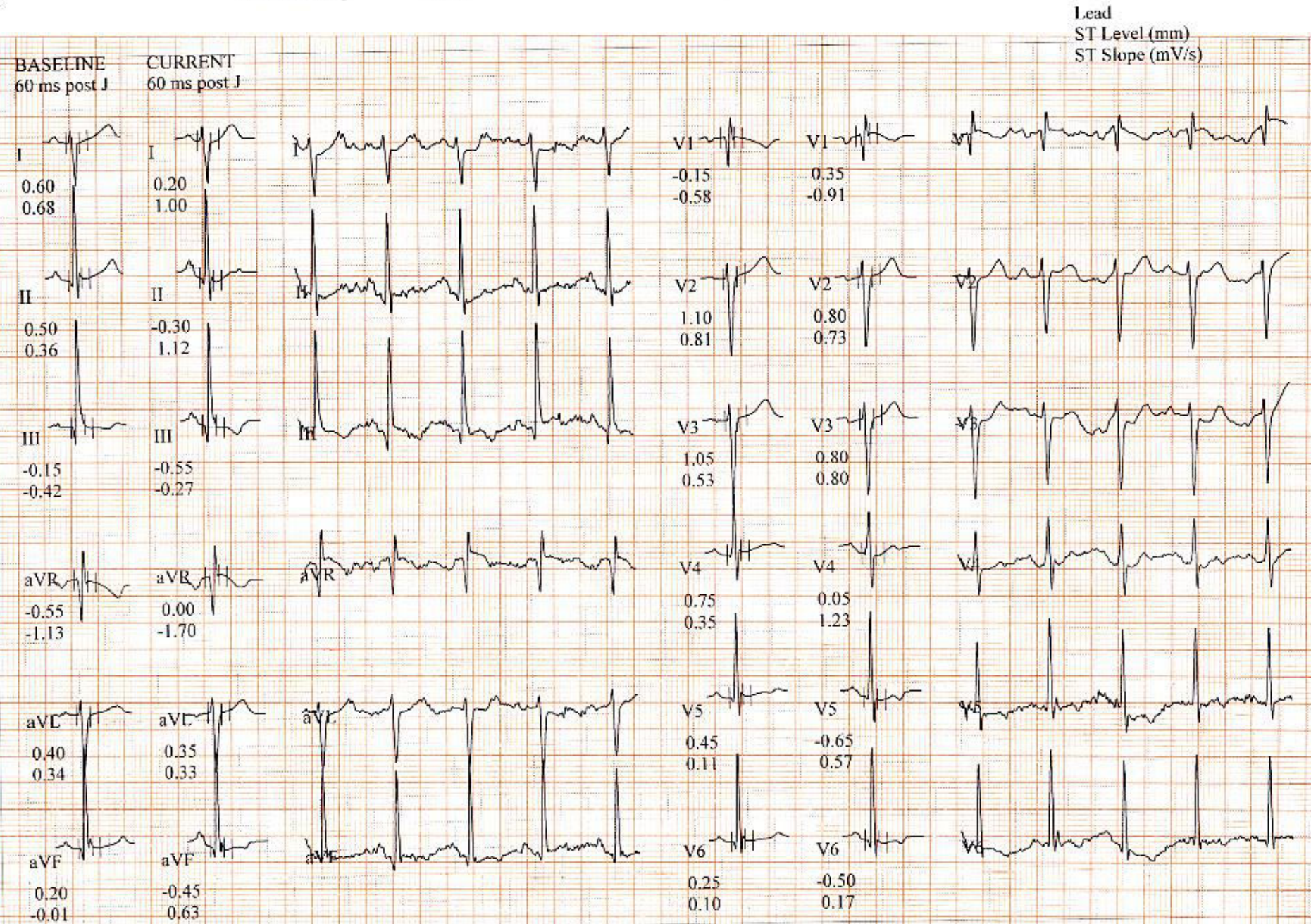
Comparative Medians Report

AJAY, KUMAR
Patient ID 12268039
01.02.2023
12:17:06pm

109 bpm
130/80 mmHg

EXERCISE
STAGE 3
08:50

BRUCE
5.6 km/h
14.0 %



GE CardioSoft V6.73 (2)
25 mm/s 10 mm/mV 50Hz 0.01 - 40Hz S+ HR(II,V6)

Start of Test: 12:07:15pm

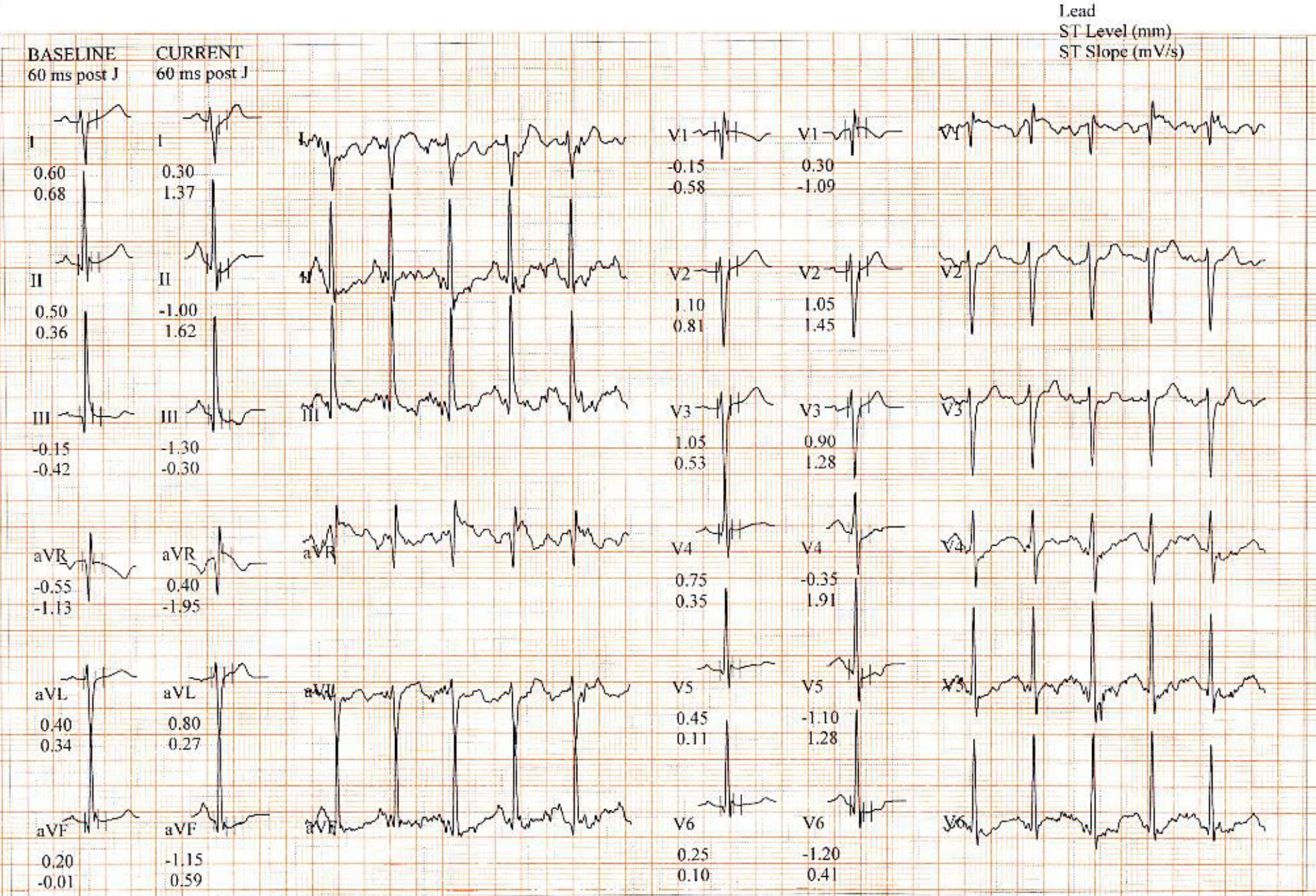
Comparative Medians Report (PEAK EXERCISE)

AJAY, KUMAR
Patient ID 12268039
01.02.2023
12:19:40pm

131 bpm
140/80 mmHg

EXERCISE
STAGE 4
11:24

BRUCE
6.8 km/h
16.0 %



GE CardioSoft V6.73 (2)
25 mm/s 10 mm/mV 50Hz 0.01 - 40Hz S+ HR(V2,V6)

Start of Test: 12:07:15pm

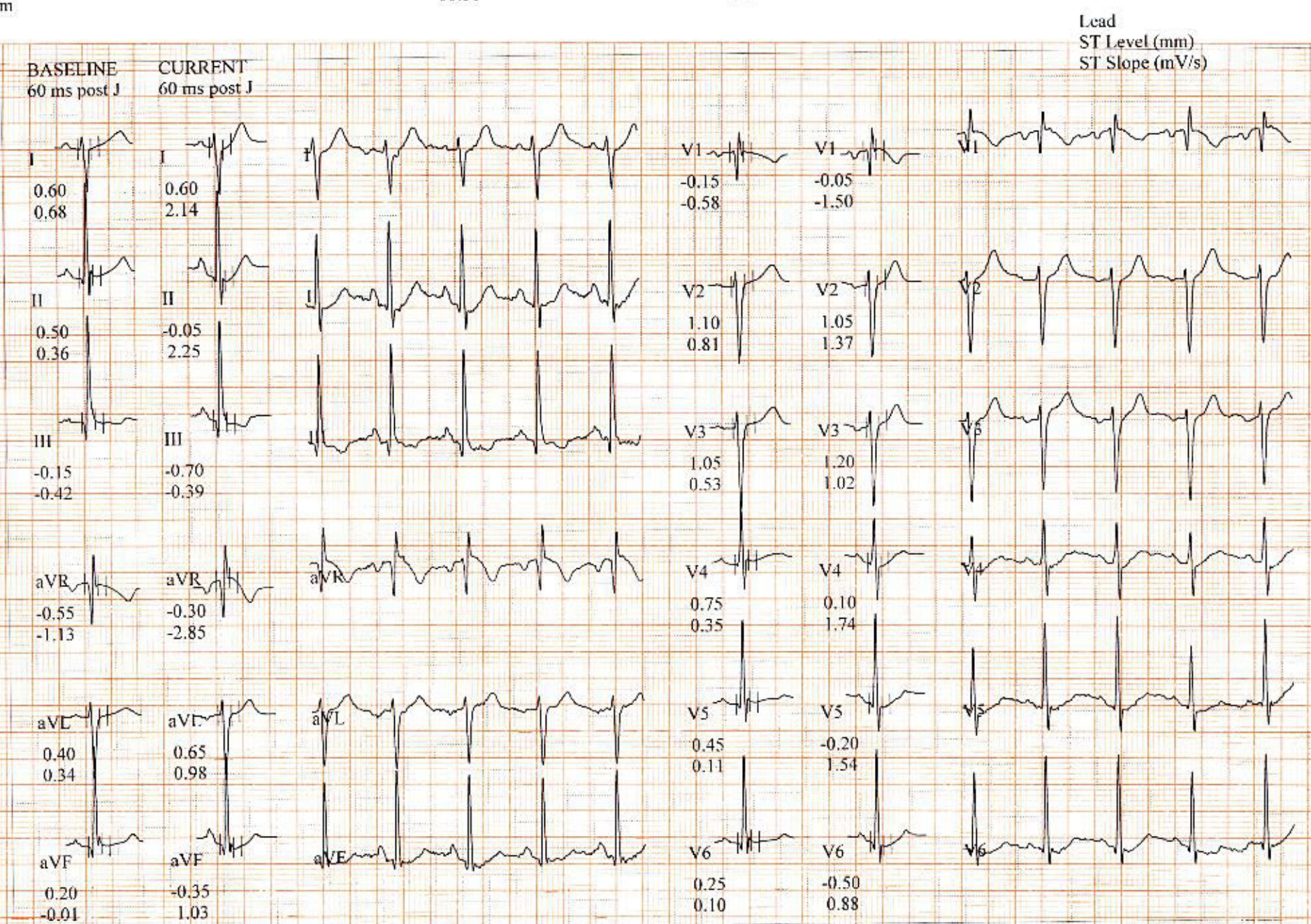
Comparative Medians Report

AJAY, KUMAR
Patient ID 12268039
01.02.2023
12:20:30pm

111 bpm

RECOVERY
#1
00:50

BRUCE
2.4 km/h
9.0 %



GE CardioSoft V6.73 (2)
25 mm/s 10 mm/mV 50Hz 0.01 - 40Hz S+ HR(V2,V6)

Start of Test: 12:07:15pm

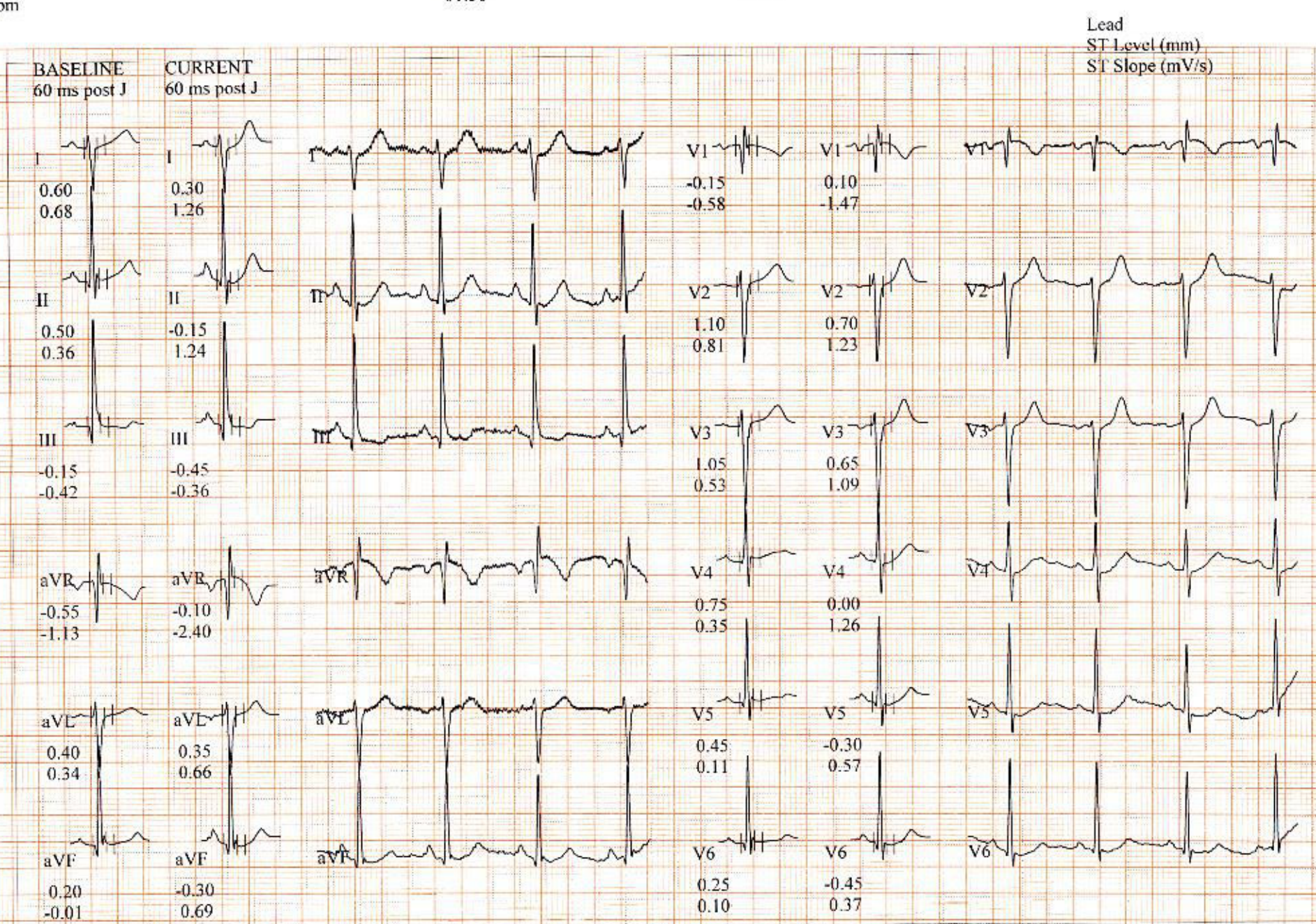
AJAY, KUMAR
Patient ID 12268039
01.02.2023
12:21:30pm

88 bpm

Comparative Medians Report

RECOVERY
#1
01:50

BRUCE
0.0 km/h
8.9 %



GE CardioSoft V6.73 (2)
25 mm/s 10 mm/mV 50Hz 0.01 - 40Hz S= HR(V2,V6)

Start of Test: 12:07:15pm

DIAGNOSTIC REPORT

MC-2559

PATIENT NAME : AJAY KUMAR **REF. DOCTOR :** SELF

FORTIS MOHALI-CHC -SPLZD
FORTIS HOSPITAL # MOHALI,
MOHALI 160062
7087030817

ACCESSION NO : **0006WB000563**
PATIENT ID : FH.12268039
CLIENT PATIENT ID: UID:12268039
ABHA NO :

AGE/SEX : 33 Years Male
DRAWN : 01/02/2023 12:51:00
RECEIVED : 01/02/2023 13:44:37
REPORTED : 15/02/2023 14:06:31

CLINICAL INFORMATION :

UID:12268039 REQNO-1366087
CORP-OPD
BILLNO-1002123OPCS001450
BILLNO-1002123OPCS001450

Test Report Status **Final**	Results	Biological Reference Interval	Units
HAEMATOLOGY - CBC			
CBC-5, EDTA WHOLE BLOOD			
BLOOD COUNTS, EDTA WHOLE BLOOD			
HEMOGLOBIN (HB) METHOD : SLS- HEMOGLOBIN DETECTION METHOD	15.4	13.0 - 17.0	g/dL
RED BLOOD CELL (RBC) COUNT METHOD : HYDRODYNAMIC FOCUSING	4.86	4.5 - 5.5	mil/µL
WHITE BLOOD CELL (WBC) COUNT METHOD : FLOWCYTOMETRY	6.90	4.0 - 10.0	thou/µL
PLATELET COUNT METHOD : HYDRO DYNAMIC FOCUSING METHOD / MICROSCOPY	**130 Low**	150 - 410	thou/µL
Comments MANY PLATELETS CLUMPS ARE SEEN.			
RBC AND PLATELET INDICES			
HEMATOCRIT (PCV) METHOD : HYDRODYNAMIC FOCUSING	45.3	40.0 - 50.0	%
MEAN CORPUSCULAR VOLUME (MCV) METHOD : CALCULATED PARAMETER	93.2	83.0 - 101.0	fL
MEAN CORPUSCULAR HEMOGLOBIN (MCH) METHOD : CALCULATED PARAMETER	31.7	27.0 - 32.0	pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION(MCHC) METHOD : CALCULATED PARAMETER	34.0	31.5 - 34.5	g/dL
RED CELL DISTRIBUTION WIDTH (RDW) METHOD : CALCULATED PARAMETER	13.6	11.6 - 14.0	%
MENTZER INDEX METHOD : CALCULATED PARAMETER	19.2		
MEAN PLATELET VOLUME (MPV) METHOD : CALCULATED PARAMETER	**12.5 High**	6.8 - 10.9	fL
WBC DIFFERENTIAL COUNT			

Ritu Pankaj

Meenakshi Malhotra

Dr. Ritu Pankaj, MD, PDCC
Senior Consultant,30897

Dr. Meenakshi Malhotra, MD
Senior Consultant,48159

View Details View Report

PERFORMED AT :
CLINICAL LABORATORY
FORTIS HOSPITAL, SECTOR 62,PHASE VIII,
MOHALI, 160062
PUNJAB, INDIA
Tel : 0172-469-2222 Extn. 6726, 6727), 0172-469-2221 - CIN - L85110DL1996PLC076704
Email : srl.mohali@fortishealthcare.com

Patient Ref. No. 6000002937607

DIAGNOSTIC REPORT

MC-2559

PATIENT NAME : AJAY KUMAR **REF. DOCTOR :** SELF

FORTIS MOHALI-CHC -SPLZD
FORTIS HOSPITAL # MOHALI,
MOHALI 160062
7087030817

ACCESSION NO : **0006WB000563**
PATIENT ID : FH.12268039
CLIENT PATIENT ID: UID:12268039
ABHA NO :

AGE/SEX : 33 Years Male
DRAWN : 01/02/2023 12:51:00
RECEIVED : 01/02/2023 13:44:37
REPORTED : 15/02/2023 14:06:31

CLINICAL INFORMATION :

UID:12268039 REQNO-1366087
CORP-OPD
BILLNO-1002123OPCS001450
BILLNO-1002123OPCS001450

Test Report Status **Final**	Results	Biological Reference Interval	Units
NEUTROPHILS METHOD : FLOW CYTOMETRY+LEISHMAIN STAIN+MICROSCOPY	52	40.0 - 80.0	%
LYMPHOCYTES METHOD : FLOW CYTOMETRY+LEISHMAIN STAIN+MICROSCOPY	37	20.0 - 40.0	%
MONOCYTES METHOD : FLOW CYTOMETRY+LEISHMAIN STAIN+MICROSCOPY	7	2.0 - 10.0	%
EOSINOPHILS METHOD : FLOW CYTOMETRY+LEISHMAIN STAIN+MICROSCOPY	4	1 - 6	%
BASOPHILS METHOD : FLOW CYTOMETRY+LEISHMAIN STAIN+MICROSCOPY	00	0 - 2	%
ABSOLUTE NEUTROPHIL COUNT METHOD : CALCULATED PARAMETER	3.73	2.0 - 7.0	thou/µL
ABSOLUTE LYMPHOCYTE COUNT METHOD : CALCULATED PARAMETER	2.55	1.0 - 3.0	thou/µL
ABSOLUTE MONOCYTE COUNT METHOD : CALCULATED PARAMETER	0.48	0.2 - 1.0	thou/µL
ABSOLUTE EOSINOPHIL COUNT METHOD : CALCULATED PARAMETER	0.28	0.02 - 0.50	thou/µL
NEUTROPHIL LYMPHOCYTE RATIO (NLR) METHOD : CALCULATED PARAMETER	1.4		

Interpretation(s)
RBC AND PLATELET INDICES-Mentzer index (MCV/RBC) is an automated cell-counter based calculated screen tool to differentiate cases of Iron deficiency anaemia(>13) from Beta thalassaemia trait
(<13) in patients with microcytic anaemia. This needs to be interpreted in line with clinical correlation and suspicion. Estimation of HbA2 remains the gold standard for diagnosing a case of beta thalassaemia trait.
WBC DIFFERENTIAL COUNT-The optimal threshold of 3.3 for NLR showed a prognostic possibility of clinical symptoms to change from mild to severe in COVID positive patients. When age = 49.5 years old and NLR = 3.3, 46.1% COVID-19 patients with mild disease might become severe. By contrast, when age < 49.5 years old and NLR < 3.3, COVID-19 patients tend to show mild disease.
(Reference to - The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients ; A.-P. Yang, et al.; International Immunopharmacology 84 (2020) 106504
This ratio element is a calculated parameter and out of NABL scope.

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Patient Ref. No. 6000002937607

DIAGNOSTIC REPORT

MC-2559

PATIENT NAME : AJAY KUMAR **REF. DOCTOR :** SELF

FORTIS MOHALI-CHC -SPLZD
FORTIS HOSPITAL # MOHALI,
MOHALI 160062
7087030817

ACCESSION NO : **0006WB000563**
PATIENT ID : FH.12268039
CLIENT PATIENT ID: UID:12268039
ABHA NO :

AGE/SEX : 33 Years Male
DRAWN : 01/02/2023 12:51:00
RECEIVED : 01/02/2023 13:44:37
REPORTED : 15/02/2023 14:06:31

CLINICAL INFORMATION :

UID:12268039 REQNO-1366087
CORP-OPD
BILLNO-1002123OPCS001450
BILLNO-1002123OPCS001450

Test Report Status **Final**	Results	Biological Reference Interval	Units

HAEMATOLOGY

ERYTHROCYTE SEDIMENTATION RATE (ESR),WHOLE BLOOD

E.S.R	08	0 - 14	mm at 1 hr

METHOD : WESTERGREN METHOD

Interpretation(s)
ERYTHROCYTE SEDIMENTATION RATE (ESR),WHOLE BLOOD-**TEST DESCRIPTION** :-
Erythrocyte sedimentation rate (ESR) is a test that indirectly measures the degree of inflammation present in the body. The test actually measures the rate of fall (sedimentation) of erythrocytes in a sample of blood that has been placed into a tall, thin, vertical tube. Results are reported as the millimetres of clear fluid (plasma) that are present at the top portion of the tube after one hour. Nowadays fully automated instruments are available to measure ESR.

ESR is not diagnostic; it is a non-specific test that may be elevated in a number of different conditions. It provides general information about the presence of an inflammatory condition.CRP is superior to ESR because it is more sensitive and reflects a more rapid change.
TEST INTERPRETATION
Increase in: Infections, Vasculities, Inflammatory arthritis, Renal disease, Anemia, Malignancies and plasma cell dyscrasias, Acute allergy Tissue injury, Pregnancy, Estrogen medication, Aging.
Finding a very accelerated ESR**(>100 mm/hour)** in patients with ill-defined symptoms directs the physician to search for a systemic disease (Paraproteinemias, Disseminated malignancies, connective tissue disease, severe infections such as bacterial endocarditis).
In pregnancy BRI in first trimester is 0-48 mm/hr(62 if anemic) and in second trimester (0-70 mm /hr(95 if anemic). ESR returns to normal 4th week post partum.
Decreased in: Polycythermia vera, Sickle cell anemia

LIMITATIONS
False elevated ESR : Increased fibrinogen, Drugs(Vitamin A, Dextran etc), Hypercholesterolemia
False Decreased : Poikilocytosis,(SickleCells,spherocytes),Microcytosis, Low fibrinogen, Very high WBC counts, Drugs(Quinine, salicylates)

REFERENCE :
1. Nathan and Oski's Haematology of Infancy and Childhood, 5th edition;2. Paediatric reference intervals. AACC Press, 7th edition. Edited by S. Soldin;3. The reference for the adult reference range is "Practical Haematology by Dacie and Lewis,10th edition.

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BIOCHEMISTRY			
LIVER FUNCTION PROFILE, SERUM			
BILIRUBIN, TOTAL METHOD : DIAZONIUM ION, BLANKED (ROCHE)	0.39	UPTO 1.2	mg/dL
BILIRUBIN, DIRECT METHOD : DIAZOTIZATION	0.13	0.00 - 0.30	mg/dL
BILIRUBIN, INDIRECT METHOD : CALCULATED PARAMETER	0.26	0.00 - 0.60	mg/dL
TOTAL PROTEIN METHOD : BIURET	7.6	6.6 - 8.7	g/dL
ALBUMIN METHOD : BROMOCRESOL GREEN	4.7	3.97 - 4.94	g/dL
GLOBULIN METHOD : CALCULATED PARAMETER	2.9	2.0 - 4.0 Neonates - Pre Mature: 0.29 - 1.04	g/dL
ALBUMIN/GLOBULIN RATIO METHOD : CALCULATED PARAMETER	1.6	1.0 - 2.0	RATIO
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	28	0 - 40	U/L
ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD : UV WITHOUT PYRIDOXAL-5 PHOSPHATE	35	0 - 41	U/L
ALKALINE PHOSPHATASE METHOD : PNPP - AMP BUFFER	110	40 - 129	U/L
GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD : GAMMA GLUTAMYLCARBOXY 4NITROANILIDE	**64 High**	8 - 61	U/L
LACTATE DEHYDROGENASE METHOD : LACTATE -PYRUVATE UV	150	135 - 225	U/L
GLUCOSE FASTING,FLUORIDE PLASMA			
FBS (FASTING BLOOD SUGAR) METHOD : HEXOKINASE	101	74 - 106	mg/dL

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BLOOD UREA NITROGEN (BUN), SERUM			
BLOOD UREA NITROGEN	12	6 - 20	mg/dL
METHOD : UREASE - UV			
URIC ACID, SERUM			
URIC ACID	**8.1 High**	3.4 - 7.0	mg/dL
METHOD : URICASE, COLORIMETRIC			
GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD			
HBA1C	5.5	Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 Therapeutic goals: < 7.0 Action suggested : > 8.0 (ADA Guideline 2021)	%
METHOD : HPLC			
ESTIMATED AVERAGE GLUCOSE(EAG)	111.2	< 116.0	mg/dL
METHOD : CALCULATED PARAMETER			
CREATININE EGFR			
CREATININE	0.80	0.70 - 1.20	mg/dL
METHOD : ALKALINE PICRATE-KINETIC			
AGE	33		years
GLOMERULAR FILTRATION RATE (MALE)	111	GFR of +90 normal or minimal kidney damage with normal GFR 89- 60 mild decrease 59-30 moderate decrease 29-15 severe decrease < 15 kidney failure (units: mL/min/1.73mSq.)	
GLUCOSE POST-PRANDIAL, PLASMA			

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DIAGNOSTIC REPORT

MC-2559

Fortis HOSPITAL Mohali

PATIENT NAME : AJAY KUMAR **REF. DOCTOR :** SELF

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PPBS(POST PRANDIAL BLOOD SUGAR)	106	Non-Diabetes 70 - 140	mg/dL

METHOD : HEXOKINASE

Interpretation(s)
LIVER FUNCTION PROFILE, SERUM-
Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice.**Elevated levels** results from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin in Viral hepatitis, Drug reactions, Alcoholic liver disease Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors &Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that attaches sugar molecules to bilirubin.
AST is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver,liver cancer,kidney failure,hemolytic anemia,pancreatitis,hemochromatosis. AST levels may also increase after a heart attack or strenuous activity.ALT test measures the amount of this enzyme in the blood.ALT is found mainly in the liver, but also in smaller amounts in the kidneys,heart,muscles, and pancreas.It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health.AST levels increase during acute hepatitis,sometimes due to a viral infection,ischemia to the liver,chronic hepatitis,obstruction of bile ducts,cirrhosis.
ALP is a protein found in almost all body tissues.Tissues with higher amounts of ALP include the liver,bile ducts and bone.Elevated ALP levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Pagets disease,Rickets,Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia,Malnutrition,Protein deficiency,Wilsons disease.
GGT is an enzyme found in cell membranes of many tissues mainly in the liver,kidney and pancreas.It is also found in other tissues including intestine,spleen,heart, brain and seminal vesicles.The highest concentration is in the kidney,but the liver is considered the source of normal enzyme activity.Serum GGT has been widely used as an index of liver dysfunction.Elevated serum GGT activity can be found in diseases of the liver,biliary system and pancreas.Conditions that increase serum GGT are obstructive liver disease,high alcohol consumption and use of enzyme-inducing drugs etc.
Total Protein also known as total protein,is a biochemical test for measuring the total amount of protein in serum.Protein in the plasma is made up of albumin and globulin.Higher-than-normal levels may be due to:Chronic inflammation or infection,including HIV and hepatitis B or C,Multiple myeloma,Waldenstroms disease.Lower-than-normal levels may be due to: Agammaglobulinemia,Bleeding (hemorrhage),Burns,Glomerulonephritis,Liver disease, Malabsorption,Malnutrition,Nephrotic syndrome,Protein-losing enteropathy etc.
Albumin is the most abundant protein in human blood plasma.It is produced in the liver.Albumin constitutes about half of the blood serum protein.Low blood albumin levels (hypoalbuminemia) can be caused by:Liver disease like cirrhosis of the liver, nephrotic syndrome,protein-losing enteropathy,Burns,hemodilution,increased vascular permeability or decreased lymphatic clearance,malnutrition and wasting etc
GLUCOSE FASTING,FLUORIDE PLASMA-**TEST DESCRIPTION**
Normally, the glucose concentration in extracellular fluid is closely regulated so that a source of energy is readily available to tissues and sothat no glucose is excreted in the urine.
Increased in:Diabetes mellitus, Cushing' s syndrome (10 – 15%), chronic pancreatitis (30%). Drugs:corticosteroids,phenytoin, estrogen, thiazides.
Decreased in :Pancreatic islet cell disease with increased insulin,insulinoma,adrenocortical insufficiency,hypopituitarism,diffuse liver disease, malignancy(adrenocortical,stomach,fibrosarcoma),infant of a diabetic mother,enzyme deficiency diseases(e.g.galactosemia),Drugs-insulin,ethanol,propranolol;sulfonylureas,tolbutamide,and other oral hypoglycemic agents.
NOTE: While random serum glucose levels correlate with home glucose monitoring results (weekly mean capillary glucose values),there is wide fluctuation within individuals.Thus, glycosylated hemoglobin(HbA1c) levels are favored to monitor glycemic control.
High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycaemics & Insulin treatment,Renal Glyosuria,Glycaemic index & response to food consumed,Alimentary Hypoglycemia,Increased insulin response & sensitivity etc.
BLOOD UREA NITROGEN (BUN), SERUM-**Causes of Increased** levels include Pre renal (High protein diet, Increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal), Renal Failure, Post Renal (Malignancy, Nephrolithiasis, Prostatism)
Causes of decreased level include Liver disease, SIADH.
URIC ACID, SERUM-**Causes of Increased levels:**-Dietary(High Protein Intake,Prolonged Fasting,Rapid weight loss),Gout,Lesch nyhan syndrome,Type 2 DM,Metabolic

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syndrome **Causes of decreased levels**-Low Zinc intake,OCP,Multiple Sclerosis
GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD-**Used For**:

1. Evaluating the long-term control of blood glucose concentrations in diabetic patients.
2. Diagnosing diabetes.
3. Identifying patients at increased risk for diabetes (prediabetes).
The ADA recommends measurement of HbA1c (typically 3-4 times per year for type 1 and poorly controlled type 2 diabetic patients, and 2 times per year for well-controlled type 2 diabetic patients) to determine whether a patients metabolic control has remained continuously within the target range.
1. eAG (Estimated average glucose) converts percentage HbA1c to md/dl, to compare blood glucose levels.
2. eAG gives an evaluation of blood glucose levels for the last couple of months.
3. eAG is calculated as eAG (mg/dl) = 28.7 * HbA1c - 46.7

HbA1c Estimation can get affected due to :
1. Shortened Erythrocyte survival : Any condition that shortens erythrocyte survival or decreases mean erythrocyte age (e.g. recovery from acute blood loss,hemolytic anemia) will falsely lower HbA1c test results.Fructosamine is recommended in these patients which indicates diabetes control over 15 days.
2.Vitamin C & E are reported to falsely lower test results.(possibly by inhibiting glycation of hemoglobin.
3. Iron deficiency anemia is reported to increase test results. Hypertriglyceridemia,uremia, hyperbilirubinemia, chronic alcoholism,chronic ingestion of salicylates & opiates addiction are reported to interfere with some assay methods,falsely increasing results.
4. Interference of hemoglobinopathies in HbA1c estimation is seen in

a) Homozygous hemoglobinopathy. Fructosamine is recommended for testing of HbA1c.
b) Heterozygous state detected (D10 is corrected for HbS & HbC trait.)
c) HbF > 25% on alternate paltform (Boronate affinity chromatography) is recommended for testing of HbA1c.Abnormal Hemoglobin electrophoresis (HPLC method) is recommended for detecting a hemoglobinopathy
CREATININE EGFR-GFR— Glomerular filtration rate (GFR) is a measure of the function of the kidneys. The GFR is a calculation based on a serum creatinine test. Creatinine is a muscle waste product that is filtered from the blood by the kidneys and excreted into urine at a relatively steady rate. When kidney function decreases, less creatinine is excreted and concentrations increase in the blood. With the creatinine test, a reasonable estimate of the actual GFR can be determined.
A GFR of 60 or higher is in the normal range.
A GFR below 60 may mean kidney disease.
A GFR of 15 or lower may mean kidney failure.

Estimated GFR (eGFR) is the preferred method for identifying people with chronic kidney disease (CKD). In adults, eGFR calculated using the Modification of Diet in Renal Disease (MDRD) Study equation provides a more clinically useful measure of kidney function than serum creatinine alone.

This equation takes into account several factors that impact creatinine production, including age, gender, and race. In children, eGFR is calculated using original schwartz equation.

The equation has not been validated in children & will only be reported for patients > 16 years of age. The equation is normalized for an average adult body surface area of 1.73m², weight & height adjustment is not necessary.

The IDMS Traceable MDRD equation has not been validated in children & will only be reported for patients = 18 years of age. The equation is normalized for an average adult body surface area of 1.73m², weight & height adjustment is not necessary. Estimation of GFR in children and adolescence (0- < 18 years) is performed by bedside IDMS- Traceable Schwartz formula
GLUCOSE POST-PRANDIAL, PLASMA-Spectrophotometry Hexokinase

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BIOCHEMISTRY - LIPID

LIPID PROFILE, SERUM

CHOLESTEROL, TOTAL	**201 High**	< 200 Desirable 200 - 239 Borderline High >/= 240 High	mg/dL
METHOD : CHOLESTEROL OXIDASE, ESTERASE,PEROXIDASE			
TRIGLYCERIDES	107	< 150 Normal 150 - 199 Borderline High 200 - 499 High >/= 500 Very High	mg/dL
METHOD : ENZYMATIC ASSAY			
HDL CHOLESTEROL	43	< 40 Low >/=60 High	mg/dL
METHOD : DIRECT MEASURE - PEG			
LDL CHOLESTEROL, DIRECT	**144 High**	< 100 Optimal 100 - 129 Near or above optimal 130 - 160 Borderline High 161 - 189 High >/= 190 Very High	mg/dL
METHOD : CHOLESTEROL OXIDASE, ESTERASE,PEROXIDASE			
NON HDL CHOLESTEROL	**158 High**	Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220	mg/dL
VERY LOW DENSITY LIPOPROTEIN	21.4	Desirable value : 10 - 35	mg/dL
METHOD : CALCULATED PARAMETER			
CHOL/HDL RATIO	**4.7 High**	3.3-4.4 Low Risk 4.5-7.0 Average Risk 7.1-11.0 Moderate Risk > 11.0 High Risk	

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LDL/HDL RATIO	**3.4 High**	0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate Risk >6.0 High Risk	

METHOD : CALCULATED PARAMETER

Interpretation(s)

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PATIENT ID : FH.12268039
CLIENT PATIENT ID: UID:12268039
ABHA NO :

AGE/SEX : 33 Years Male
DRAWN : 01/02/2023 12:51:00
RECEIVED : 01/02/2023 13:44:37
REPORTED : 15/02/2023 14:06:31

CLINICAL INFORMATION :

UID:12268039 REQNO-1366087
CORP-OPD
BILLNO-1002123OPCS001450
BILLNO-1002123OPCS001450

Test Report Status **Final**	Results	Biological Reference Interval	Units

CLINICAL PATH - URINALYSIS

URINALYSIS

PHYSICAL EXAMINATION, URINE

COLOR	YELLOW		
METHOD : MANUAL EXAMINATION			
APPEARANCE	CLEAR		
METHOD : MANUAL EXAMINATION			

CHEMICAL EXAMINATION, URINE

PH	6.0	4.7 - 7.5	
METHOD : DOUBLE INDICATOR PRINCIPLE			
SPECIFIC GRAVITY	1.010	1.003 - 1.035	
METHOD : REFLECTANCE PHOTOMETRY (IONIC CONCENTRATION)			
PROTEIN	NOT DETECTED	NOT DETECTED	
METHOD : REFLECTION PHOTOMETRY (PROTEIN ERROR INDICATOR)			
GLUCOSE	NOT DETECTED	NOT DETECTED	
METHOD : REFLECTANCE PHOTOMETRY (GLUCOSE OXIDASE METHOD)			
KETONES	NOT DETECTED	NOT DETECTED	
METHOD : REFLECTION PHOTOMETRY (NITROPRUSSIDE)			
BLOOD	NOT DETECTED	NOT DETECTED	
METHOD : REFLECTANCE PHOTOMETRY (BENZIDINE REACTION)			
BILIRUBIN	NOT DETECTED	NOT DETECTED	
METHOD : REFLECTANCE SPECTROPHOTOMETRY (DIAZO REACTION)			
UROBILINOGEN	NORMAL	NORMAL	
METHOD : REFLECTANCE PHOTOMETRY (EHRLICH'S REACTION)			
NITRITE	NOT DETECTED	NOT DETECTED	
METHOD : REFLECTANCE SPECTROPHOTOMETRY (DIAZO REACTION)			

MICROSCOPIC EXAMINATION, URINE

RED BLOOD CELLS	NOT DETECTED	NOT DETECTED	/HPF
METHOD : MICROSCOPY			
PUS CELL (WBC'S)	NOT DETECTED	0-5	/HPF
METHOD : REFLECTANCE PHOTOMETRY & MICROSCOPY			

Dr. Irneet Mundi, MD
Associate Consultant,34080

Dr. Meenakshi Malhotra, MD
Senior Consultant,48159

Dr. Ritu Pankaj, MD, PDCC
Senior Consultant,30897

View Details View Report

PERFORMED AT :
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FORTIS HOSPITAL, SECTOR 62,PHASE VIII,
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Tel : 0172-469-2222 Extn. 6726, 6727), 0172-469-2221 - CIN - L85110DL1996PLC076704
Email : srl.mohali@fortishealthcare.com

Patient Ref. No. 6000002937607

DIAGNOSTIC REPORT

MC-2559

PATIENT NAME : AJAY KUMAR **REF. DOCTOR :** SELF

FORTIS MOHALI-CHC -SPLZD
FORTIS HOSPITAL # MOHALI,
MOHALI 160062
7087030817

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EPITHELIAL CELLS METHOD : MICROSCOPY	NOT DETECTED	0-5	/HPF
CASTS METHOD : MICROSCOPY	NOT DETECTED		
CRYSTALS METHOD : MICROSCOPY	NOT DETECTED		
BACTERIA METHOD : MICROSCOPY	NOT DETECTED	NOT DETECTED	
YEAST	NOT DETECTED	NOT DETECTED	

Interpretation(s)

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DIAGNOSTIC REPORT

MC-2559

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MOHALI 160062
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SPECIALISED CHEMISTRY - HORMONE			
THYROID PANEL, SERUM			
T3	144.0	80.00 - 200.00	ng/dL
METHOD : SANDWICH (ECLIA)			
T4	8.15	5.10 - 14.10	µg/dL
METHOD : SANDWICH (ECLIA)			
TSH (ULTRASENSITIVE)	1.060	0.270 - 4.200	µIU/mL
METHOD : SANDWICH (ECLIA)			

Interpretation(s)

****End Of Report****
Please visit www.srlworld.com for related Test Information for this accession

Meenakshi Malhotra

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