

22/3

3



22/3


05/11/2017

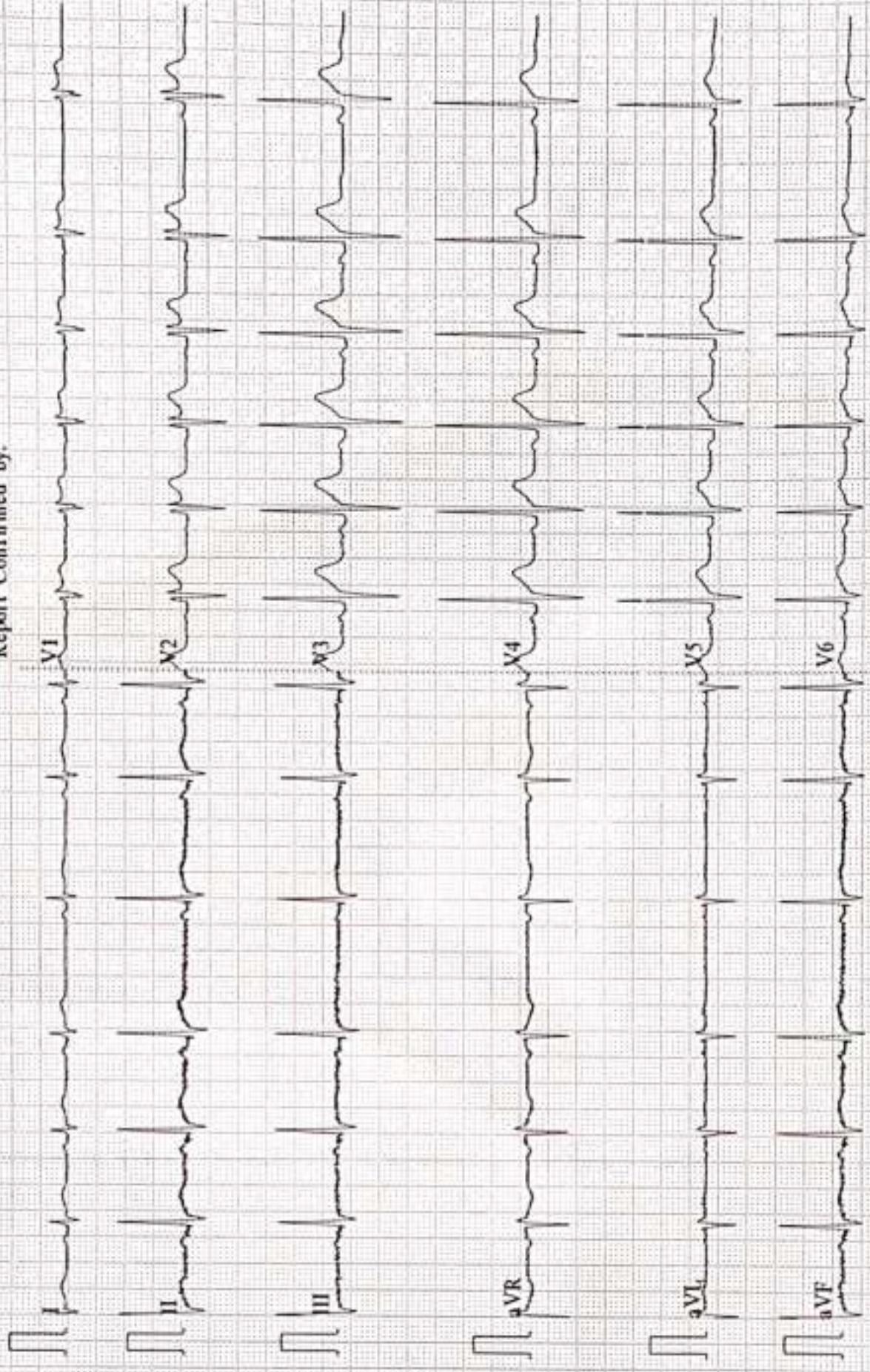


Diagnosis Information:

Sinus Arrhythmia

HR : 82 bpm
P : 94 ms
PR : 155 ms
QRS : 94 ms
QT/QTc : 364/426 ms
PQRST : 48/81/53 °
RV5/SV1 : 1.683/0.342 mV

Ref-Phys 
Report Confirmed by:



Patient Name	Neeraj Kumar	Date	10-02-2024
Age/Sex	36/M	Ref. Dr.	CORPORATE

CHEST X-ray(PA)

FINDINGS:

Normal bronchovascular markings in bilateral lung fields

Bilateral hila are normal.

Trachea appears normal.

Visualized bones are grossly normal.

Cardiac shadow is within normal limits

Bilateral costophrenic angles are clear.

Impression :

- *No significant abnormality detected.*



Dr. Sandip Maheshwari

MD Radio diagnosis



AAROGYAM DIAGNOSTICS

PATNA

2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg Date: 10-Feb-2024 Technician : ARUN

Report

(GEM212170906)(R)Kardio by Allengers

Stage	Time	Duration	Belt Speed (mph)	Elevation	METs	Rate	% THR Achieved	BP	RPP	PVC	Comments
Supine	00:03	0:01	00.0	00.0	01.0	76	41 %	---	000	00	
Standing	00:18	0:01	00.0	00.0	01.0	93	51 %	130/80	120	00	
HV	00:27	0:01	00.0	00.0	01.0	101	55 %	130/80	131	00	
Warm Up	00:42	0:01	01.0	00.0	01.0	096	52 %	130/80	124	00	
ExStart	01:01	0:06	01.7	10.0	01.1	100	54 %	130/80	130	00	
BRUCE/ Stage 1	04:01	3:00	01.7	10.0	04.7	134	73 %	135/85	180	00	
BRUCE/ Stage 2	07:01	3:00	02.5	12.0	07.1	162	88 %	140/90	226	00	
PeakEx	09:03	2:02	03.4	14.0	09.2	185	101 %	145/95	268	00	
Recovery	10:02	1:00	01.1	00.0	01.2	166	90 %	140/90	232	00	
Recovery	11:02	2:00	01.1	00.0	01.0	149	81 %	135/85	201	00	
Recovery	12:58	3:55	01.1	00.0	01.0	143	78 %	130/80	185	00	

Findings :

Exercise Time : 08:03
 Max HR Attained : 185 bpm 101% of Target 184
 Max BP Attained : (Sys) 145/95
 Max WorkLoad Attained : 9.2 Good response to induced stress
 Max ST Dep Lead & Value : V6 & -1.0 mm in PeakEx mm
 Test End Reasons : Test Complete

Report :

AAROGYAM DIAGNOSTICS

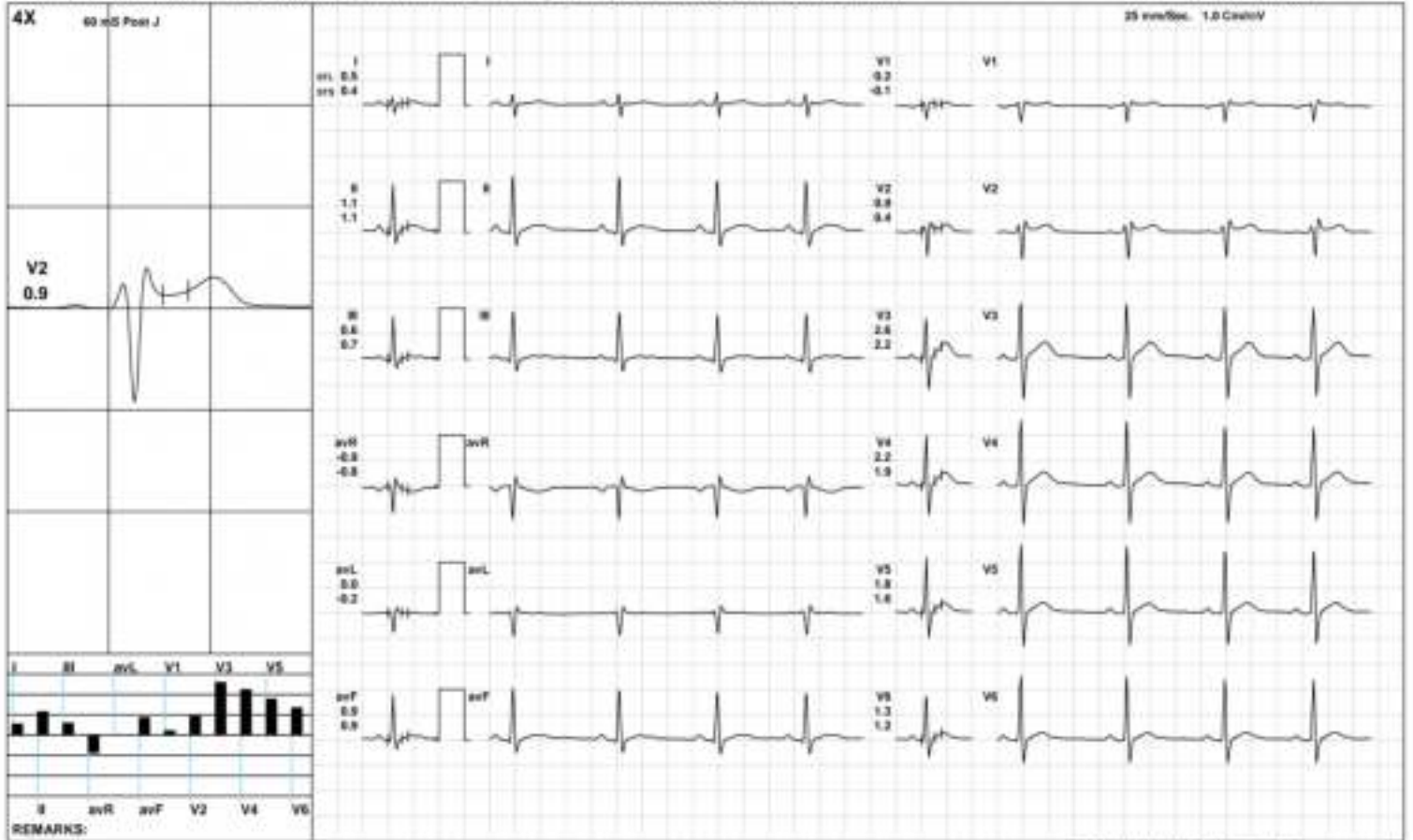
2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 76

Supine



Date: 18-Feb-2024 12:07:05 PM METS: 1.0/76 bpm 41% of THR BP: --- mmHg Raw ECG/ BLC Div: Noch Div: HF 0.05 Hz/LF 100 Hz

ExTime: 00:03 0.0 rps, 0.0%



AAROGYAM DIAGNOSTICS

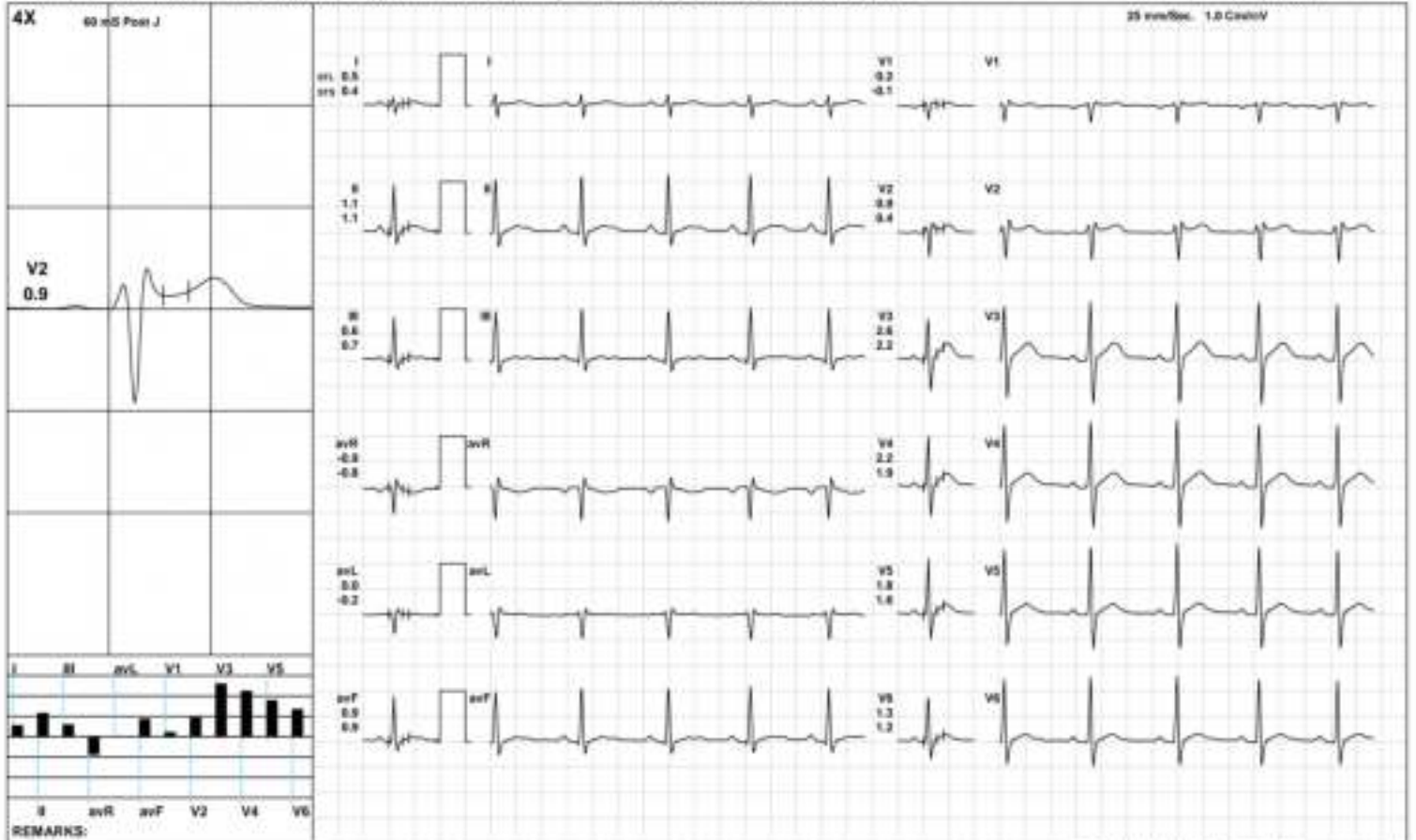
Standing



2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 93

Date: 18-Feb-2024 12:07:05 PM METS: 1.0/93 bpm 50% of THR BP: 135/80 mmHg Raw ECG/BLC Ov/ Natch Ov/ HF 0.05 Hz/ LF 100 Hz

ExTime: 00:18 0.0 r/gb, 0.0%



AAROGYAM DIAGNOSTICS

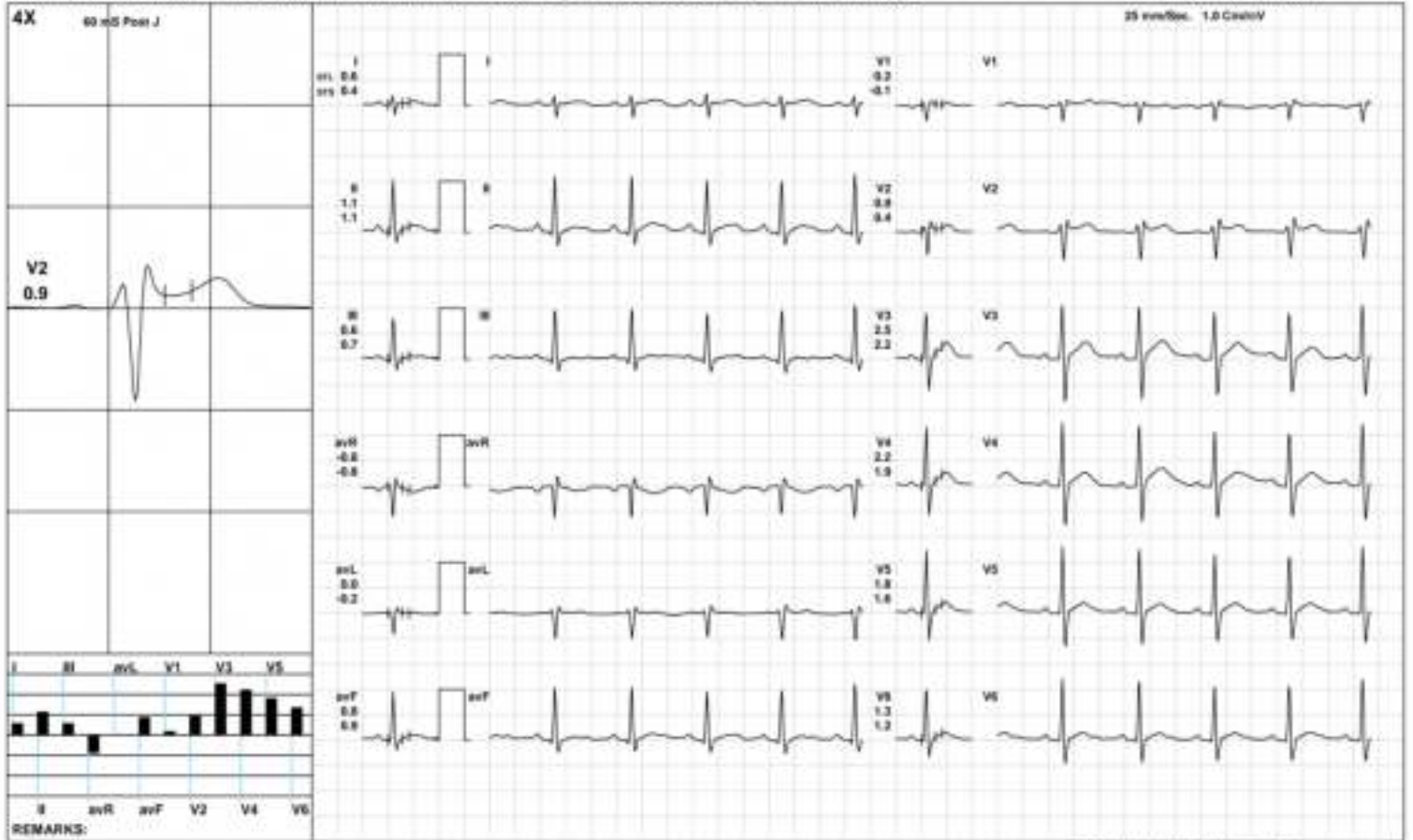
HV



2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 101

Date: 18-Feb-2024 12:07:05 PM METS: 1.0/101 bpm 54% of THR BP: 138/80 mmHg Raw ECG/BLC/Drv Match/Drv HF 0.05 Hz/LF 100 Hz

ExTime: 00:27 0.0 r/gb, 0.0%



AAROGYAM DIAGNOSTICS

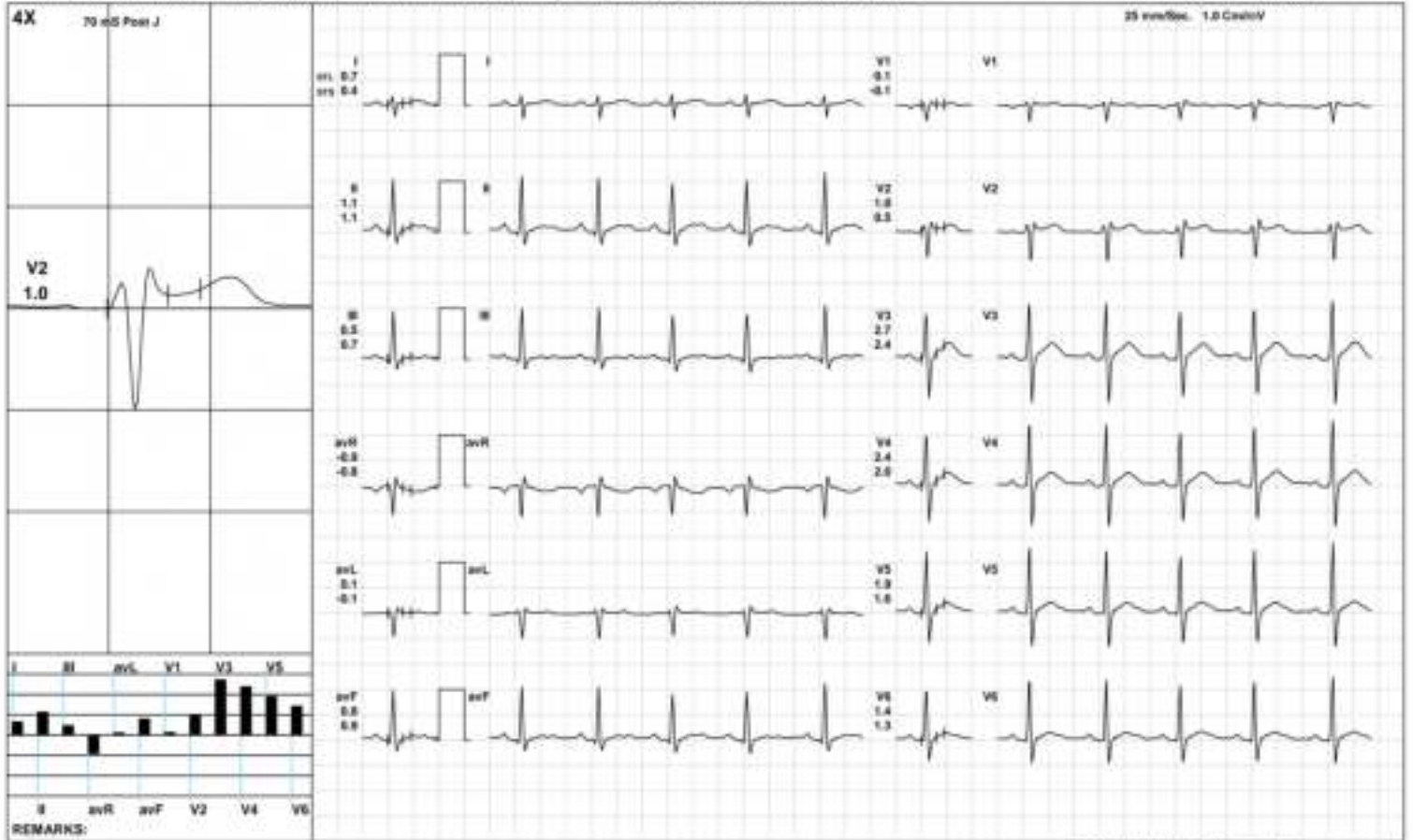
Warm Up



2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 96

Date: 18-Feb-2024 12:07:05 PM METS: 1.0/96 bpm 52% of THR BP: 135/80 mmHg Raw ECG/BLC On/ Noisy On/ HF 0.05 Hz/ LF 100 Hz

ExTime 00:42 1.0 r/gb, 0.0%



AAROGYAM DIAGNOSTICS

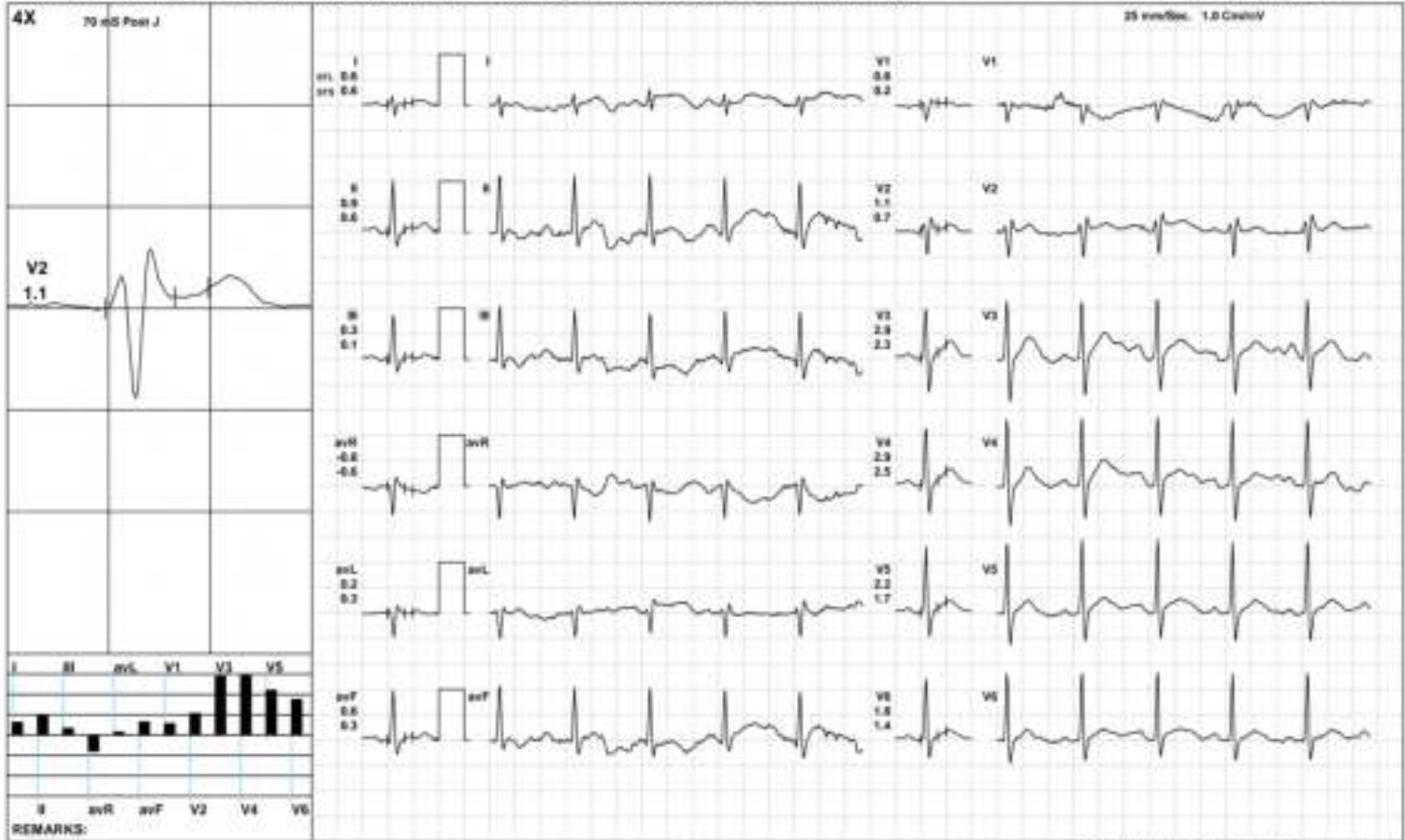
ExStart



2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 100

Date: 18-Feb-2024 12:07:05 PM METS: 1.1/100 bpm 54% of THR BP: 138/80 mmHg Raw ECG/ BLC/ Div: Match Div/ HF: 0.05 Hz/ LF: 100 Hz

ExTime: 00:06 1.7 mph, 10.8%



AAROGYAM DIAGNOSTICS

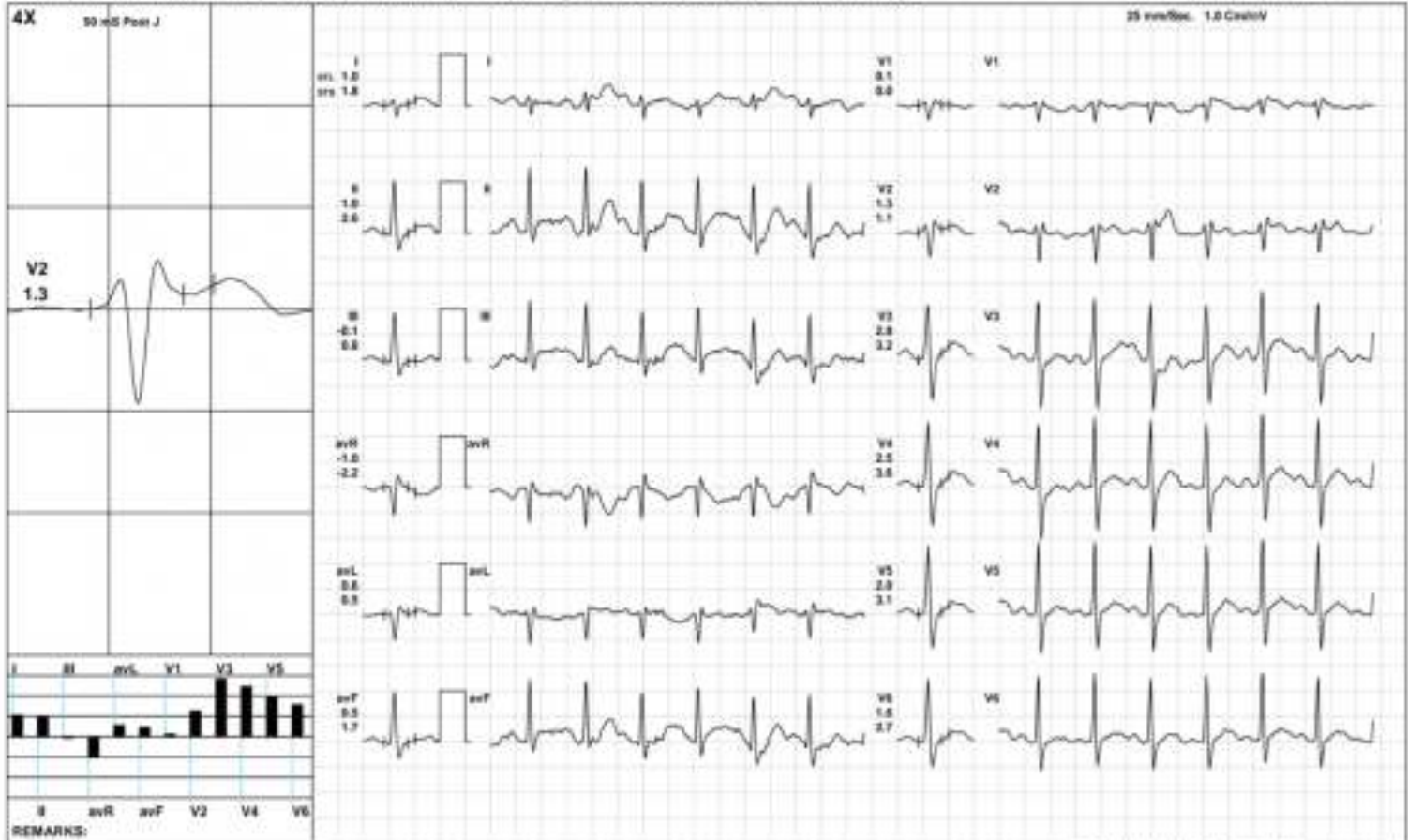
BRUCE/Stage 1(3:00)



2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 134

Date: 18-Feb-2024 12:07:05 PM METS: 4.7/ 134 bpm T2% of THR BP: 135/85 mmHg Raw ECG/ BLC/ Giv/ Natch/ Giv/ HF 0.05 Hz/ LF 100 Hz

ExTime: 03:00 1.7 mph, 10.8%



AAROGYAM DIAGNOSTICS

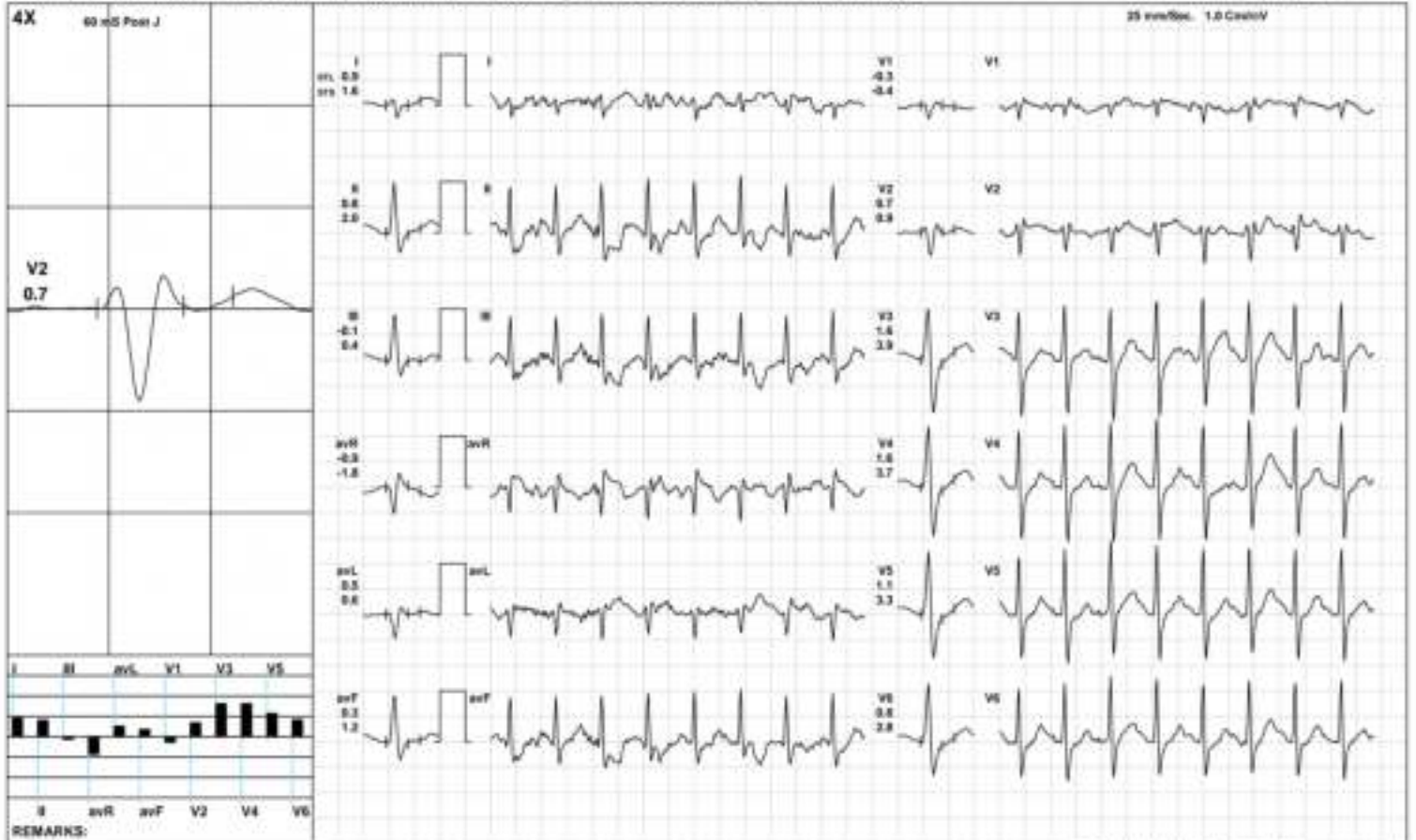
BRUCE/Stage 2(3:00)



2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 162

Date: 18-Feb-2024 12:07:05 PM METS: 7.1/ 162 bpm 68% of THR BP: 148/90 mmHg Raw ECG/ BLC/ Div: Natch/ Div: HF 0.05 Hz/ LF: 100 Hz

ExTime: 06:00 2.5 mph, 12.8%



AAROGYAM DIAGNOSTICS

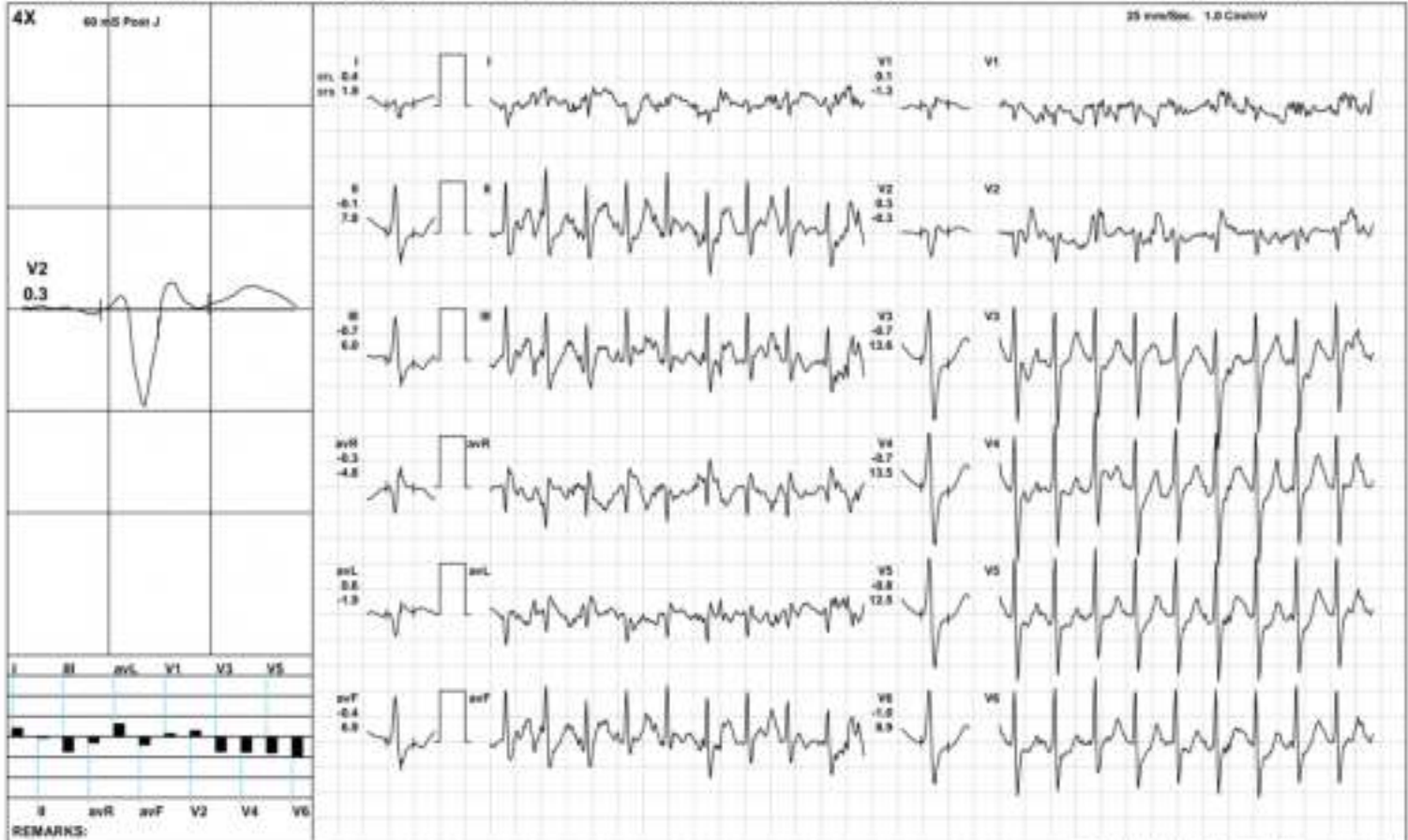
PeakEx



2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 185

Date: 18-Feb-2024 12:07:05 PM METS: 9.2/185 bpm 100% of THR BP: 145/95 mmHg Raw ECG/BLC Qv Natch Qv HF 0.05 Hz LF 100 Hz

ExTime: 08:02 3.4 rgh, 14.8%



{GEM21217000}(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

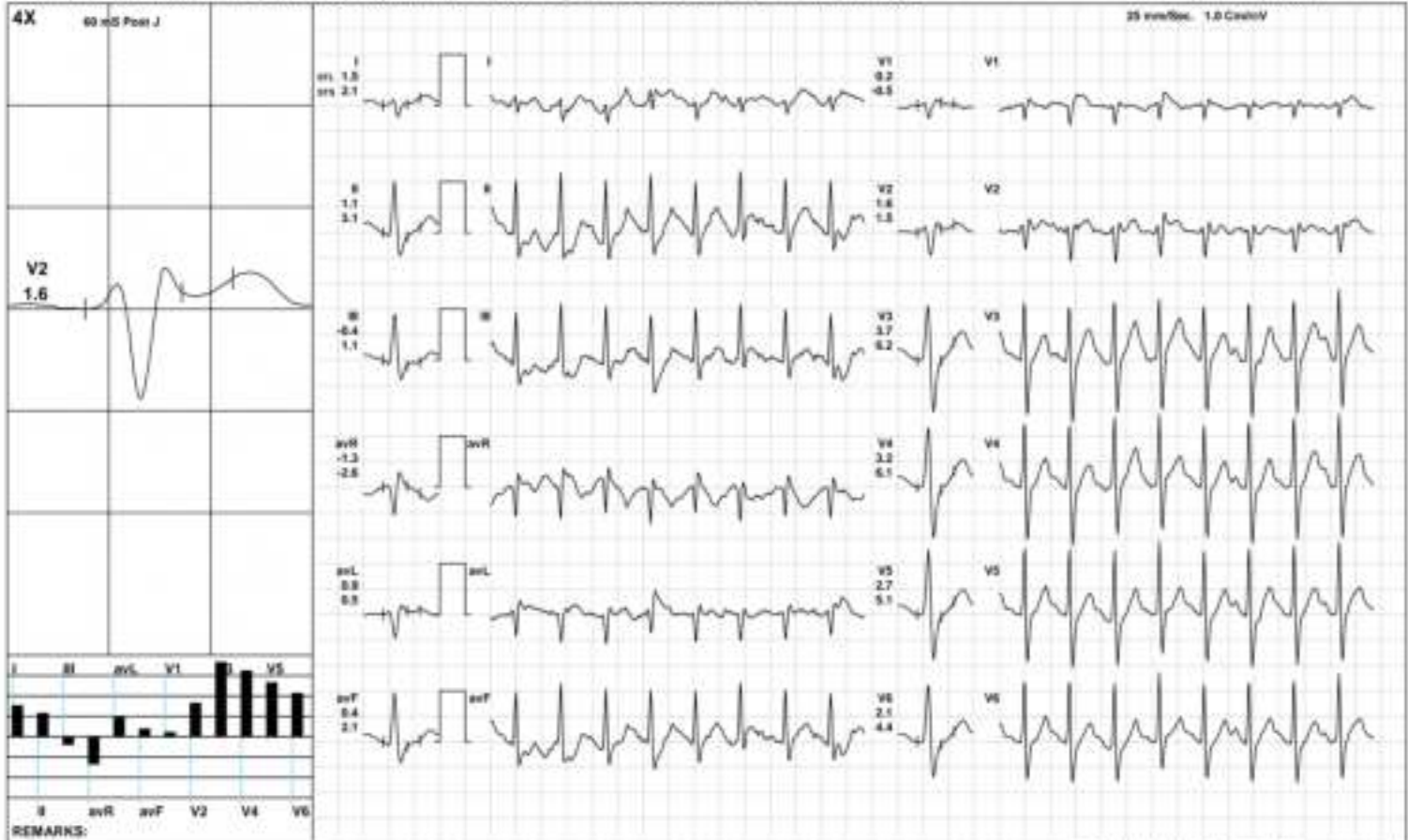
Recovery(1:00)



2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 166

Date: 18-Feb-2024 12:07:05 PM METS: 1.2/166 bpm 90% of THR BP: 143/90 mmHg Raw ECG/BLC/Drv Natch/Drv HF 0.05 Hz/LF 100 Hz

ExTime: 08:03 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

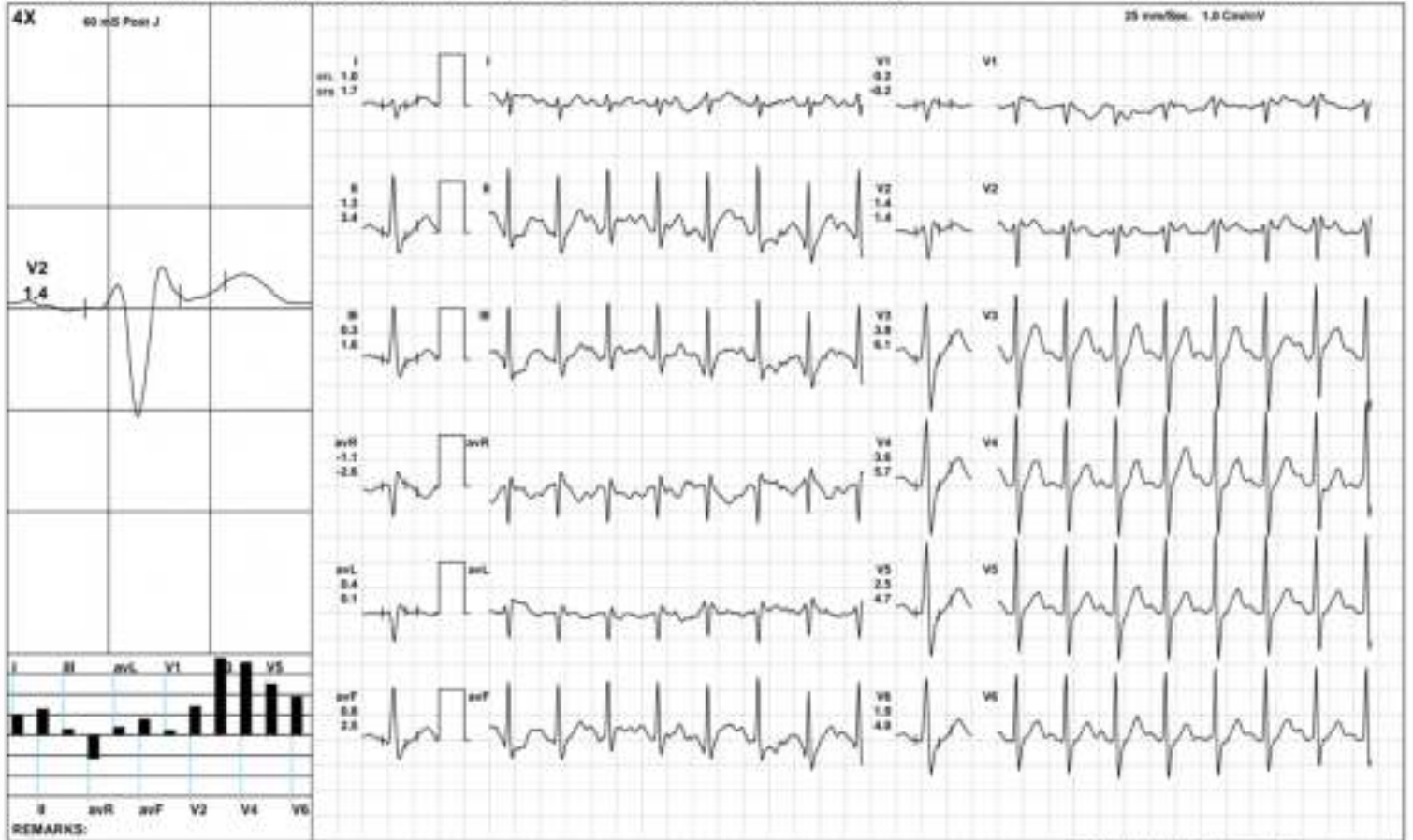
2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 149

Recovery(2:00)



Date: 18-Feb-2024 12:07:05 PM METS: 1.0/149 bpm 60% of THR BP: 135/85 mmHg Raw ECG/BLC/Drv Hatch/Drv HF 0.05 Hz/LF 100 Hz

ExTime: 08:03 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

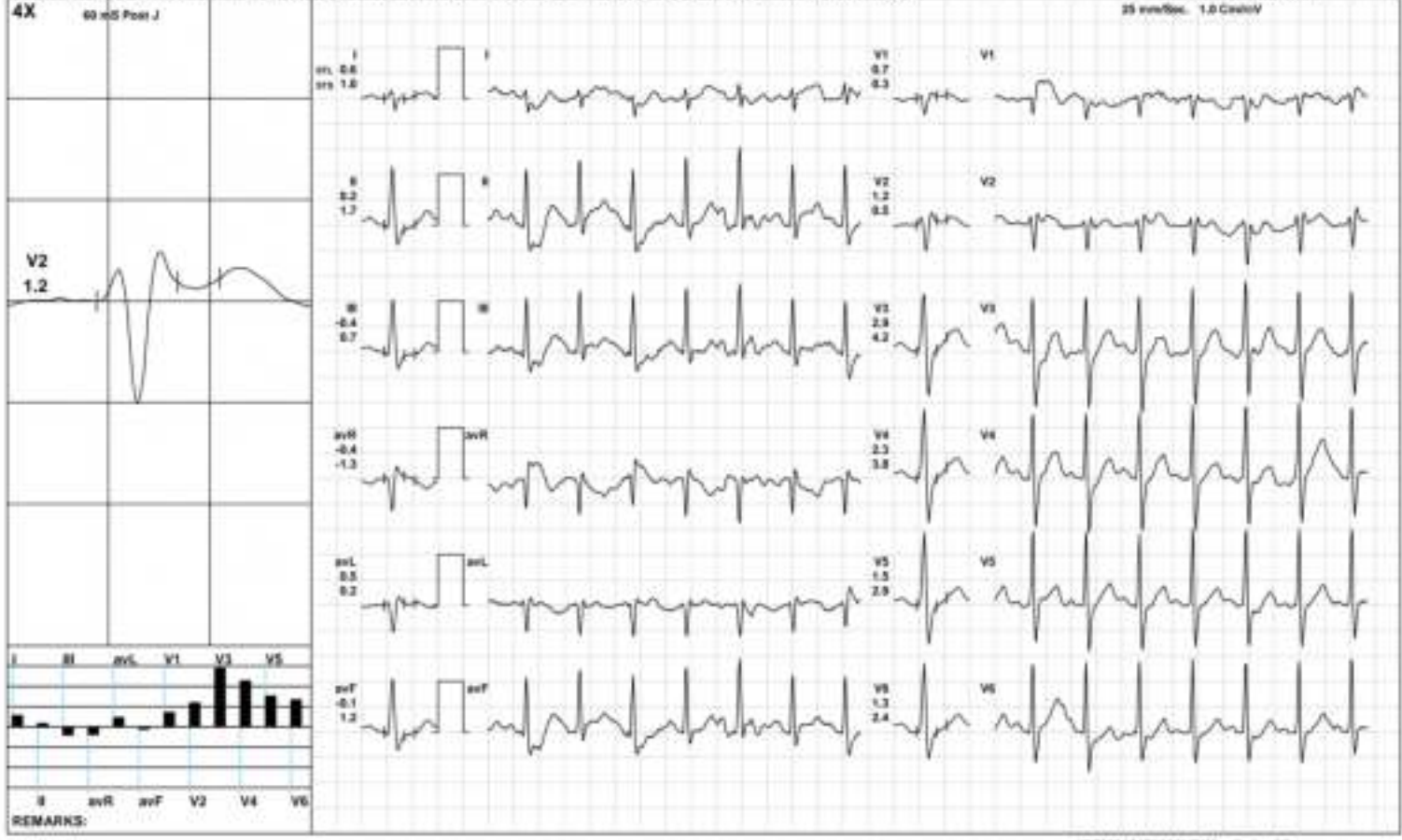
Recovery(3:55)



2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 143

Date: 18-Feb-2024 12:07:05 PM METS: 1.0/ 143 bpm 77% of THR BP: 138/80 mmHg Raw ECG/ BLC/ Div: Natch/ Div: HF 0.05 Hz/ LF 100 Hz

ExTime: 08:03 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

ST Measurements



2473 / MR. NEERAJ KUMAR / 36 Yrs / M / 167 Cms / 84 Kg / HR : 91

Date: 18-Feb-2024 12:07:05 PM

Protocol : BRUCE/

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	STS(mv/sec)
STL(mm)Supine	0.5	1.1	0.6	-0.9	0.0	0.9	0.2	0.9	2.6	2.2	1.8	1.3	0.4	1.1	0.7	-0.8	-0.2	0.9	-0.1	0.4	2.2	1.9	1.6	1.2	
60 @mS Standing	0.5	1.1	0.6	-0.9	0.0	0.9	0.2	0.9	2.6	2.2	1.8	1.3	0.4	1.1	0.7	-0.8	-0.2	0.9	-0.1	0.4	2.2	1.9	1.6	1.2	
HV	0.6	1.1	0.6	-0.8	0.0	0.8	0.2	0.9	2.5	2.2	1.8	1.3	0.4	1.1	0.7	-0.8	-0.2	0.9	-0.1	0.4	2.2	1.9	1.6	1.2	
Warm Up	0.7	1.1	0.5	-0.9	0.1	0.8	0.1	1.0	2.7	2.4	1.9	1.4	0.4	1.1	0.7	-0.8	-0.1	0.9	-0.1	0.5	2.4	2.0	1.6	1.3	
ExStart	0.8	1.4	0.7	-1.1	-0.1	1.0	0.5	0.8	3.1	2.2	1.9	1.5	0.4	0.7	-0.1	-0.5	0.3	0.5	1.0	0.9	3.0	2.1	1.7	1.4	
Stage 1	0.4	-0.2	-0.6	-0.1	0.5	-0.4	-0.2	0.7	2.5	2.5	1.7	1.4	0.3	0.2	-0.1	-0.3	0.2	0.1	-0.7	0.3	2.8	2.9	2.4	2.0	
Stage 2	0.7	0.1	-0.6	-0.4	0.6	-0.2	-0.1	0.9	1.9	1.8	1.4	1.1	1.1	1.4	0.3	-1.2	0.4	0.8	-0.8	0.9	3.7	3.8	3.2	2.8	
PeakEx	0.4	-0.1	-0.7	-0.3	0.6	-0.4	0.1	0.3	-0.7	-0.7	-0.8	-1.0	1.9	7.8	6.0	-4.8	-1.9	6.9	-1.3	-0.3	13.6	13.5	12.5	8.9	
Recovery	1.5	1.1	-0.4	-1.3	0.9	0.4	0.2	1.6	3.7	3.2	2.7	2.1	2.1	3.1	1.1	-2.6	0.5	2.1	-0.5	1.5	6.2	6.1	5.1	4.4	
Recovery	1.0	1.3	0.3	-1.1	0.4	0.8	0.2	1.4	3.8	3.6	2.5	1.9	1.7	3.4	1.6	-2.6	0.1	2.5	-0.2	1.4	6.1	5.7	4.7	4.0	
Recovery	0.6	0.2	-0.4	-0.4	0.5	-0.1	0.7	1.2	2.9	2.3	1.5	1.3	1.0	1.7	0.7	-1.3	0.2	1.2	0.3	0.5	4.2	3.8	2.9	2.4	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	
STI(μVx)													
Supine		3.5	6.3	2.8	-5.0	0.3	4.5	1.9	6.2	15.3	13.1	10.0	7.3
Standing		3.5	6.3	2.8	-5.0	0.3	4.5	1.9	6.2	15.3	13.1	10.0	7.3
HV		3.5	6.3	2.9	-4.9	0.4	4.6	1.4	5.9	14.7	12.9	10.1	7.3
Warm Up		4.0	6.2	2.1	-5.1	1.0	4.2	1.2	6.4	15.5	13.7	10.8	7.8
ExStart		3.8	6.4	3.6	-5.1	-0.6	4.5	1.7	4.0	14.2	10.3	8.7	6.9
Stage 1		1.3	-2.0	-3.3	0.4	2.3	-2.6	-0.2	3.5	10.8	10.6	7.0	5.4
Stage 2		1.4	-1.8	-3.1	0.2	2.3	-2.4	0.7	2.7	4.6	3.8	2.0	0.9
PeakEx		0.8	-9.8	-12.7	3.4	6.8	-11.2	4.9	3.4	-16.5	-16.3	-16.4	-14.4
Recovery		4.6	1.2	-3.4	-2.9	4.0	-1.1	1.5	5.6	9.0	6.8	5.6	4.0
Recovery		2.0	1.2	-0.8	-1.6	1.4	0.2	1.1	4.6	11.6	10.7	6.3	3.6
Recovery		1.0	-2.0	-3.0	0.4	2.0	-2.5	3.7	5.3	10.3	7.4	4.5	4.3



PATNA

2473 / MR. NEERAJ KUMAR / 36 Yrs / Male / 167 Cm / 84 Kg

Time	HR	PR Int	QRS Wid	QRS Axis	QTc	P(µV)	R(µV)	S(µV)	T(µV)	Min. J Leads for	Min. Post #R Var	VEB	Missed Beats
(Min.)	(Beats)	(mS)	(mS)	(Deg.)	(mS)	(Max)	(Max)	(Min)	(Max)	(µV) (J & PJ)	(%)	(Counts)	(Counts)
00 : 30	103	216	86	94	284	159	1377	-814	381	Ib avL	-16	0.00	0
01 : 00	106	140	88	90	458	155	1387	-757	382	II V1	-21	0.00	0
01 : 30	119	140	88	90	285	152	1423	-825	267	III	-27	0.00	0
02 : 00	126	158	92	90	361	167	1383	-822	261	IV V1	-25	0.00	0
02 : 30	128	156	88	93	346	148	1405	-836	305	IV V1	-24	0.00	0
03 : 00	128	138	66	97	444	170	1381	-864	320	V1	-19	0.00	0
03 : 30	133	146	88	100	277	215	1375	-854	334	III	-50	0.00	0
04 : 00	140	142	72	94	420	172	1356	-927	295	III	-52	0.00	0
04 : 30	146	134	70	101	343	205	1335	-954	249	III	-128	0.00	0
05 : 00	150	114	70	103	379	180	1297	-957	298	III	-146	0.00	0
05 : 30	157	124	70	120	426	199	1297	-978	-313	II	-160	0.00	0
06 : 00	158	112	70	100	365	164	1254	-1061	334	III	-49	0.00	0
06 : 30	163	110	70	99	427	187	1231	-1094	330	III	-50	0.00	0
07 : 00	169	112	70	95	358	199	1251	-1132	337	II	-194	0.00	0
07 : 30	174	100	70	103	370	252	1199	-1171	420	II	-164	0.00	0
08 : 00	181	100	70	90	360	381	1172	-1252	438	V6	-125	0.00	0
08 : 30	185	98	68	116	196	267	1130	-1218	-416	II	-282	0.00	0
09 : 00	178	80	70	106	391	303	1169	-1248	428	V6	-98	0.00	0
09 : 30	168	106	70	100	335	275	1288	-1063	547	III	-65	0.00	0
10 : 00	158	114	70	106	316	242	1379	-1045	580	II	-44	0.00	0
10 : 30	149	120	90	100	329	234	1405	-1051	592	III	-10	0.00	0
11 : 00	146	128	70	98	322	215	1452	-975	561	III	-20	0.00	0
11 : 30	142	132	70	99	432	207	1494	-997	507	III	-72	0.00	0
12 : 00	142	130	70	96	340	218	1464	-1001	457	III	-23	0.00	0
12 : 30	143	104	70	94	321	178	1482	-995	448	II	-62	0.00	0



Name :- Mr. Neeraj Kumar
Refd by :- Corp.

Age/Sex:- 36Yrs/M
Date :-10/02/24

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Enlarged in size (15.5cm)with raised echotexture. No focal or diffuse lesion is seen. IHBR are not dilated. PV is normal in course and calibre with echofree lumen.
- G. Bladder** :- It is normal in shape, size & position. It is echofree & shows no evidence of calculus, mass or sludge.
- CBD** :- It is normal in calibre & is echofree.
- Pancreas** :- Normal in shape, size & echotexture. No evidence of parenchymal / ductal calcification is seen. No definite peripancreatic collection is seen.
- Spleen** :- Normal in size (11.5cm)with normal echotexture. No focal lesion is seen. No evidence of varices is noticed.
- Kidneys** :- Both kidneys are normal in size & position. **A few tiny concretions (average size measuring 2-3mm) seen in both renal calyx.** P.C.S not dilated. CMD intact.
Right Kidney measures 11.1 cm and Left Kidney measures 12.1 cm.
- Ureters** :- Ureters are normal.
- U. Bladder:-** It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size(15.2cc) & echotexture.
- Others** :- No ascites or abdominal adenopathy is seen.
No free subphrenic / basal pleural space collection is seen.

IMPRESSION:- *Hepatomegaly with Grade I Fatty Liver.
B/L Renal A Few Tiny Concretions.
Otherwise Normal Scan.*

*Dr. U. Kumar
MBBS, M.D (Radio-Diagnosis)
Consultant Radiologist*



ISO 9001 : 2015

AAROGYAM DIAGNOSTICS

(A UNIT OF CULPAM HEALTH CARE PVT. LTD.)

F- 41, P.C. Colony, Opp. Madhuban Complex,
Near Malahi Pakari Chowk, Kankarbagh, Patna - 20

9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	10/02/2024	Srl No.	8	Patient Id	2402100008
Name	Mr. NEERAJ KUMAR	Age	36 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	5.2	%	

EXPECTED VALUES :-

Metabolically healthy patients	=	4.8 - 5.5 % HbA1C
Good Control	=	5.5 - 6.8 % HbA1C
Fair Control	=	6.8-8.2 % HbA1C
Poor Control	=	>8.2 % HbA1C

REMARKS:-

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.

**** End Of Report ****

Dr.R.B.RAMAN
MBBS, MD
CONSULTANT PATHOLOGIST



ISO 9001 : 2015

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Date	10/02/2024	Srl No.	8	Patient Id	2402100008
Name	Mr. NEERAJ KUMAR	Age	36 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	14.3	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	7,000	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	59	%	40 - 75
LYMPHOCYTE	35	%	20 - 45
EOSINOPHIL	01	%	01 - 06
MONOCYTE	05	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN'S METHOD)	12	mm/1st hr.	0 - 15
R B C COUNT	4.76	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	42.9	%	40 - 54
M C V	90.13	fl.	80 - 100
M C H	30.04	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	2.21	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"A"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	81.5	mg/dl	70 - 110
SERUM CREATININE	1.05	mg%	0.7 - 1.4
BLOOD UREA	24.5	mg /dl	15.0 - 45.0
SERUM URIC ACID	3.7	mg%	3.4 - 7.0
<u>LIVER FUNCTION TEST (LFT)</u>			



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Date	10/02/2024	Srl No.	8	Patient Id	2402100008
Name	Mr. NEERAJ KUMAR	Age	36 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.69	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.25	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.44	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.8	gm/dl	6.6 - 8.3
ALBUMIN	4.5	gm/dl	3.4 - 5.2
GLOBULIN	3.3	gm/dl	2.3 - 3.5
A/G RATIO	1.364		
SGOT	35.0	IU/L	5 - 40
SGPT	42.9	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	79.8	U/L	40.0 - 130.0
GAMMA GT	22.5	IU/L	8.0 - 71.0
LFT INTERPRET			
<u>LIPID PROFILE</u>			
TRIGLYCERIDES	67.9	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	220.4	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	45.2	mg/dL	35.1 - 88.0
V L D L	13.58	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	161.62	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	4.876		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	3.576		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



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AAROGYAM DIAGNOSTICS

(A UNIT OF CULPAM HEALTH CARE PVT. LTD.)

F- 41, PC. Colony, Opp. Madhuban Complex,
Near Malahi Pakari Chowk, Kankarbagh, Patna – 20

9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	10/02/2024	Srl No.	8	Patient Id	2402100008
Name	Mr. NEERAJ KUMAR	Age	36 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.030		
PH	6.0		
ALBUMIN	NIL		
SUGAR	NIL		
MICROSCOPIC EXAMINATION			
PUS CELLS	1-2	/HPF	
RBC'S	NIL	/HPF	
CASTS	NIL		
CRYSTALS	NIL		
EPITHELIAL CELLS	0-1	/HPF	
BACTERIA	NIL		
OTHERS	NIL		

Assay performed on enhanced chemi lumenescence system (Centaur-Siemens)

Serum T3,T4 & TSH measurements form the three components of Thyroid screening panel, useful in diagnosing various disorders of Thyroid gland function.

1. Primary hypothyroidism is accompanied by depressed serum T3 and T4 values and elevated serum TSH level.
2. Primary hyperthyroidism is accompanied by elevated serum T3 and T4 levels along with depressed TSH values.
3. Normal T4 levels are accompanied by increased T3 in patients with T3 thyrotoxicosis.



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Date	10/02/2024	Srl No.	8	Patient Id	2402100008
Name	Mr. NEERAJ KUMAR	Age	36 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
4. Slightly elevated T3 levels may be found in pregnancy and estrogen therapy, while depressed levels may be encountered in severe illness, renal failure and during therapy with drugs like propranolol and propyl thiouracil.			
5. Although elevated TSH levels are nearly always indicative of primary hypothyroidism, and may be seen in secondary thyrotoxicosis.			

**** End Of Report ****

Dr.R.B.RAMAN
MBBS, MD
CONSULTANT PATHOLOGIST



MC-2024

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Phone: +91-79-49006800 | WhatsApp: 6356005900 | Email: info@unipath.in | Website: www.unipath.in
Regd. Office : 5th Floor, Doctor House, Nr. Parimal Garden, Ahmedabad-380006 Gujarat
CIN: U85195GJ2009PLC057059



40204100204

TEST REPORT

Reg.No : 40204100204	Reg.Date : 11-Feb-2024 14:46	Collection : 11-Feb-2024 14:46
Name : NEERAJ KUMAR		Received : 11-Feb-2024 14:46
Age : 36 Years	Sex : Male	Report : 11-Feb-2024 16:20
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 11-Feb-2024 16:40
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine), Total <small>CMLA</small>	1.20	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CMLA</small>	7.94	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) <small>CMLA</small>	4.169	µIU/mL	0.35 - 4.94

Sample Type: Serum

Comments:

Thyroid stimulating hormone (TSH) is synthesized and secreted by the anterior pituitary in response to a negative feedback mechanism involving concentrations of FT3 (free T3) and FT4 (free T4). Additionally, the hypothalamic tripeptide, thyrotropin-releasing hormone (TRH), directly stimulates TSH production. TSH stimulates thyroid cell production and hypertrophy, also stimulate the thyroid gland to synthesize and secrete T3 and T4. Quantification of TSH is significant to differentiate primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

TSH levels During Pregnancy :

- First Trimester : 0.1 to 2.5 µIU/mL
- Second Trimester : 0.2 to 3.0 µIU/mL
- Third trimester : 0.3 to 3.0 µIU/mL

Reference : Carl A.Burtis,Edward R.Ashwood,David E.Bruno. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 5th Edition. Philadelphia: WB Saunders,2012:2170

----- End Of Report -----

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