



भारत सरकार
GOVERNMENT OF INDIA

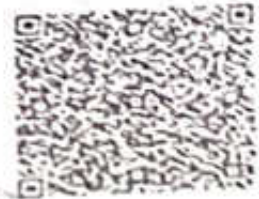


विकास कुमार

Vikash Kumar

जन्म तिथि/ DOB: 12/06/1989

पुंलिंग / MALE



3823 8944 2174

आधार - आम आदमी का अधिकार

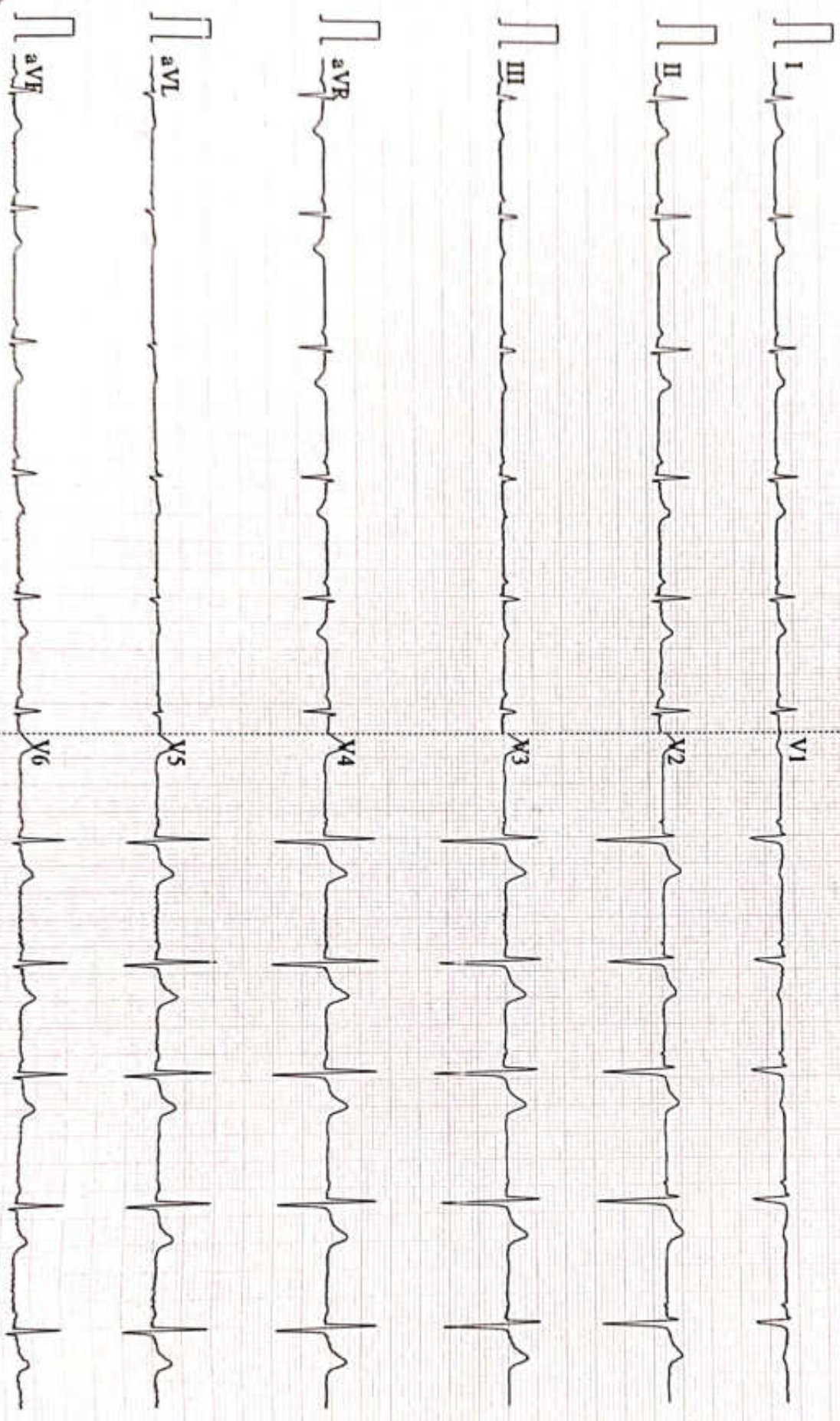


ID: 735
18-08-2024 10:00:03 AM
VIKASH KUMAR
Male 35Years

Diagnosis Information:
Sinus Arrhythmia

HR : 64 bpm
P : 85 ms
PR : 137 ms
QRS : 76 ms
QT/QTc : 379/394 ms
P/QRS/T : 63/64/49 °
RV5/SV1 : 0.96/20.528 mV

Ref-PDR
Report Confirmed By: **RAJMAN**
MD
33840



0.07~100Hz AC50 25mm/s 10mm/mV Z=5.0s W64 V2.2 SEMIP V1.61 DIAGNOSTIC

Patient Name	VIKASH KUMAR	Date	18-08-2024
Age/Sex	35/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



Report



(GEM212170906)(R)Kardic by Allengers

3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg Date: 18-Aug-2024 Technician : MD SAQUIB NEHAL

Stage	Time	Duration	Belt Speed (mph)	Elevation	METs	Rate	% THR Achieved	BP	RPP	PVC	Comments
Supine	00:06	0:01	00.0	00.0	01.0	72	39 %	120/80	086	00	
Standing	00:11	0:01	00.0	00.0	01.0	65	35 %	120/80	078	00	
HV	00:15	0:01	00.0	00.0	01.0	067	36 %	120/80	080	00	
Warm Up	00:19	0:01	01.0	00.0	01.0	080	32 %	120/80	072	00	
ExStart	00:40	0:06	01.7	10.0	01.1	068	37 %	120/80	081	00	
BRUCE/ Stage 1	03:40	3:00	01.7	10.0	04.7	126	68 %	125/85	157	00	
BRUCE/ Stage 2	06:40	3:00	02.5	12.0	07.1	144	78 %	130/90	187	00	
PeakEx	07:03	0:23	03.4	14.0	07.5	150	81 %	130/90	195	00	
Recovery	08:02	1:00	01.1	00.0	01.2	133	72 %	125/85	166	00	
Recovery	09:02	2:00	01.1	00.0	01.0	121	65 %	120/80	145	00	
Recovery	10:49	3:46	01.1	00.0	01.0	112	61 %	120/80	134	00	

Findings :

Exercise Time : 06:24
Max HR Attained : 150 bpm 81% of Target 185
Max BP Attained : (Sys) 130/90
Max WorkLoad Attained : 7.5 Fair response to induced stress
Max ST Dep Lead & Value : III & -0.6 mm in Stage 1 mm
Test End Reasons : Test Complete

Report :

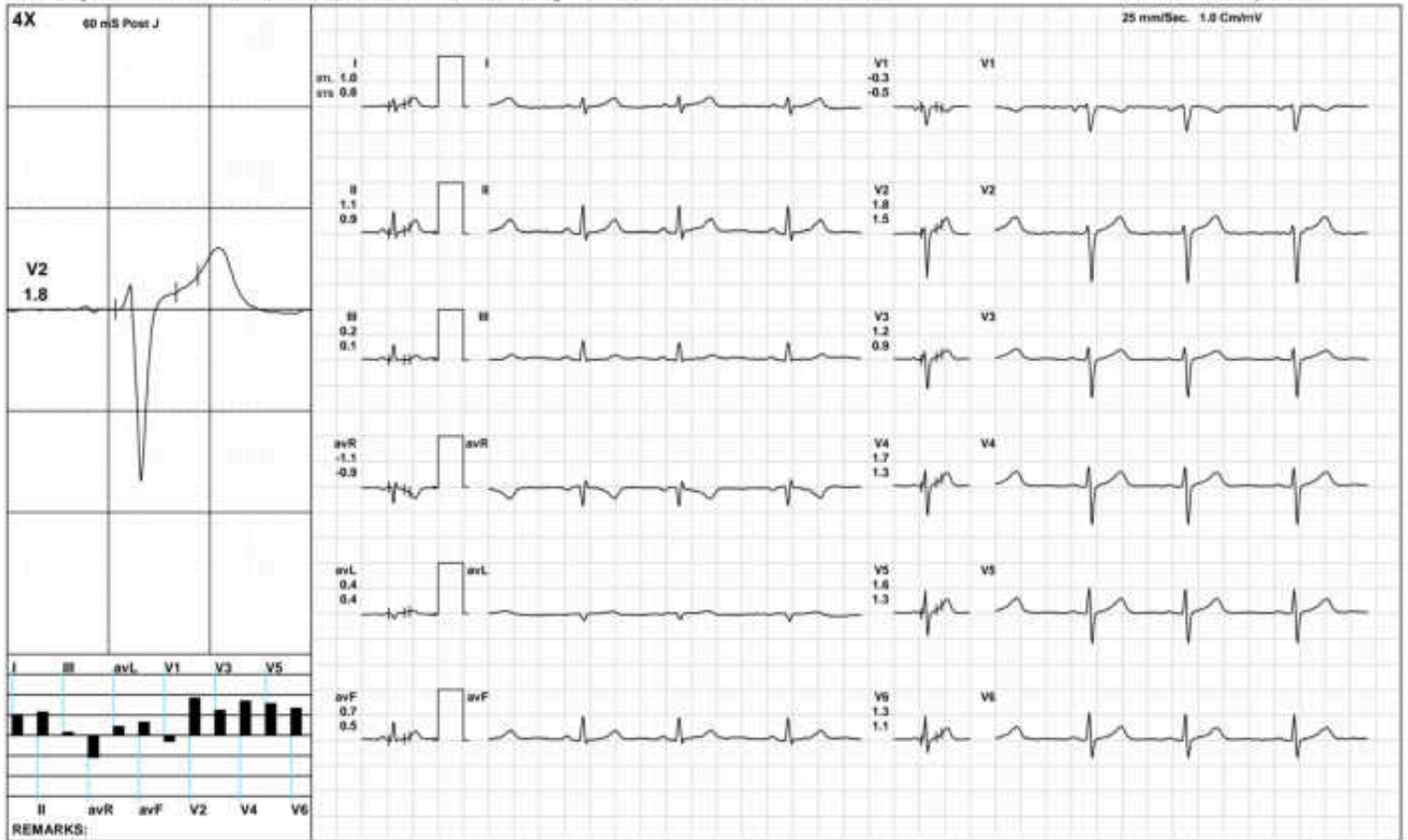
3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 72

Supine



Date: 18-Aug-2024 11:19:47 AM METS: 1.0/ 72 bpm 38% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:06 0.0 mph - 0.0%



(GEM212170900)(R)Kardic by Allengers

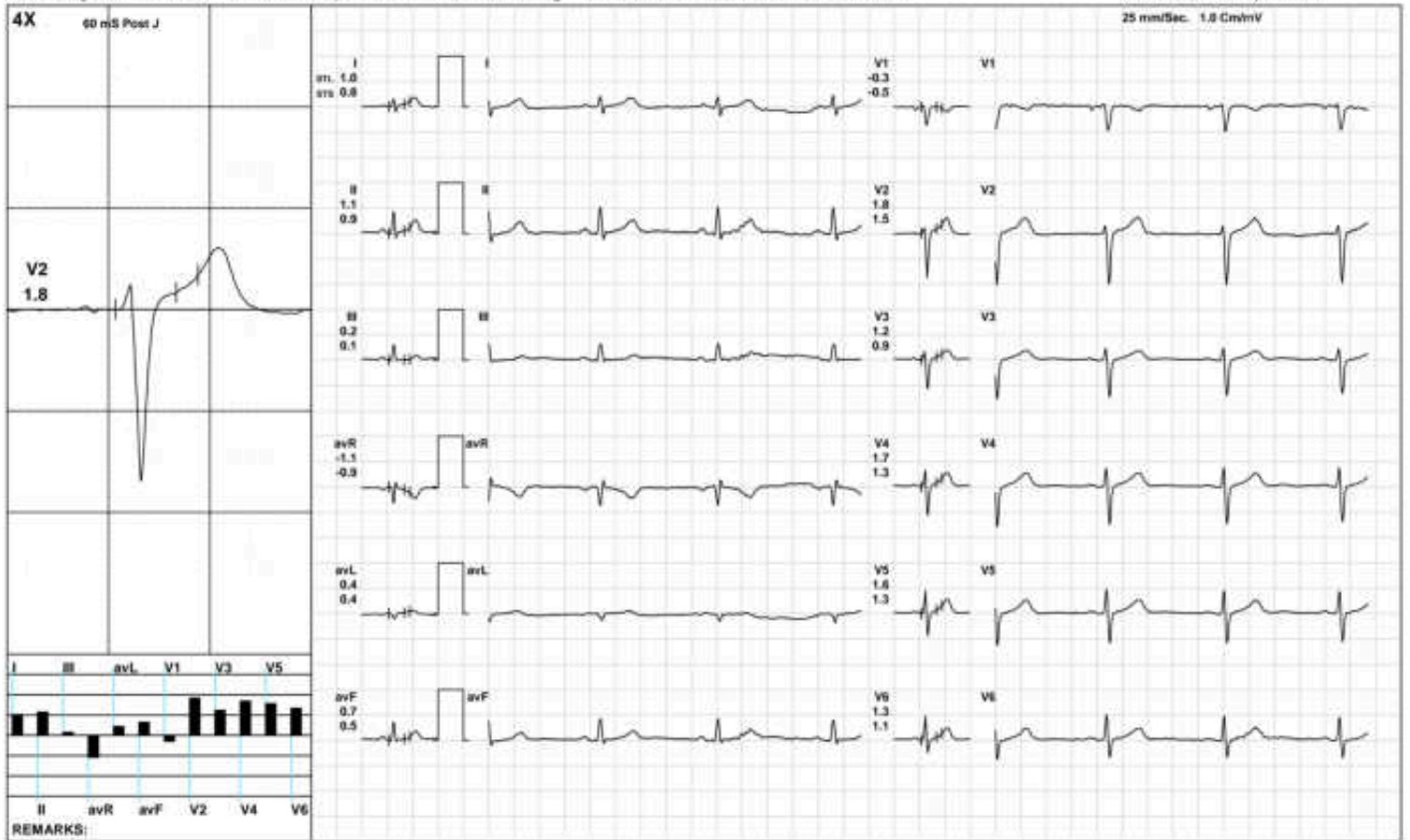
3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 65

Standing



Date: 18-Aug-2024 11:19:47 AM METS: 1.0/ 65 bpm 35% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:11 0.0 mph, 0.0%



(GEM212170000)(R)Kardic by Allengers

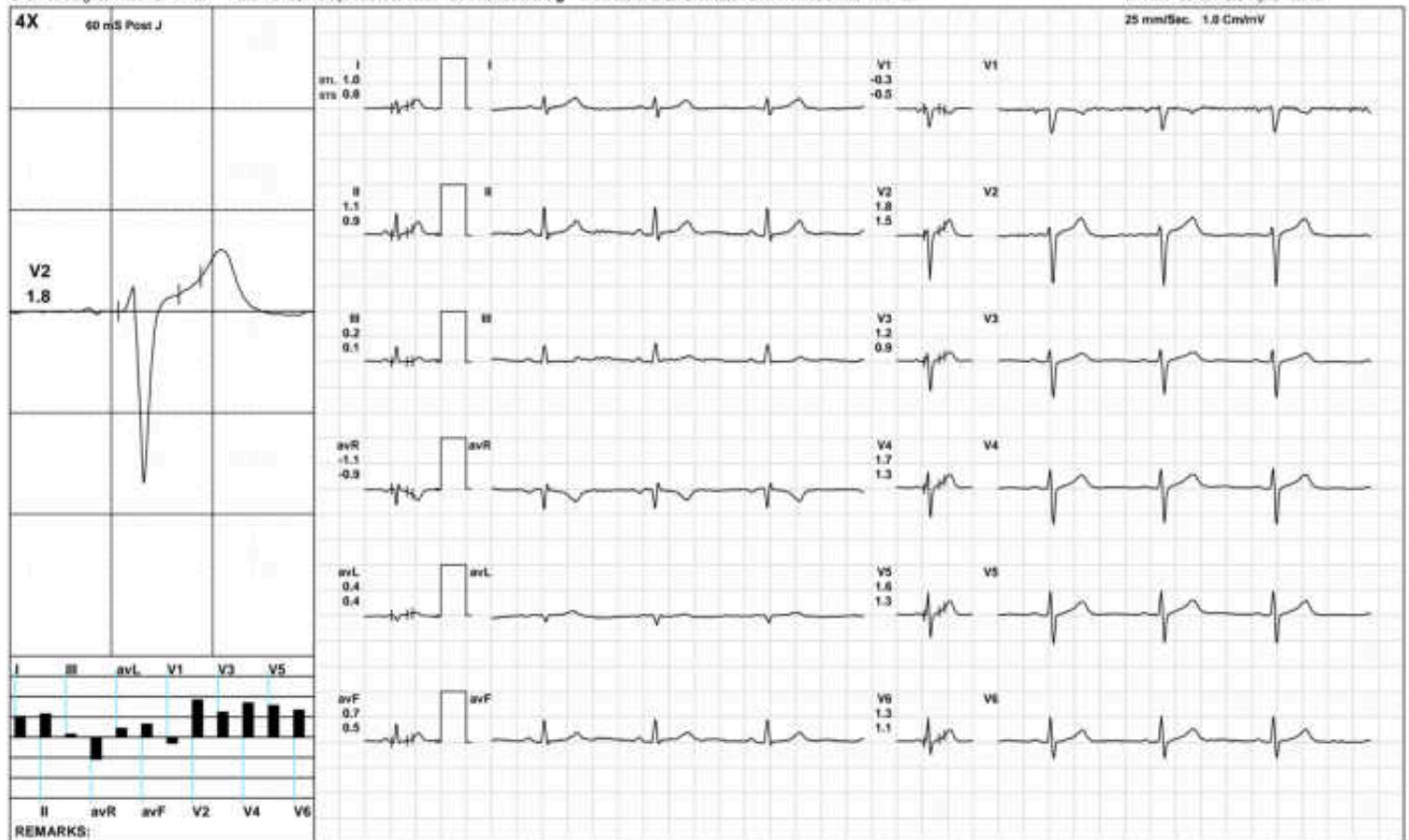
HV



3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 67

Date: 18-Aug-2024 11:19:47 AM METS: 1.0/ 67 bpm 36% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:15 0.0 mph 0.0%



(GEM212170900)(R)Kardic by Allengers

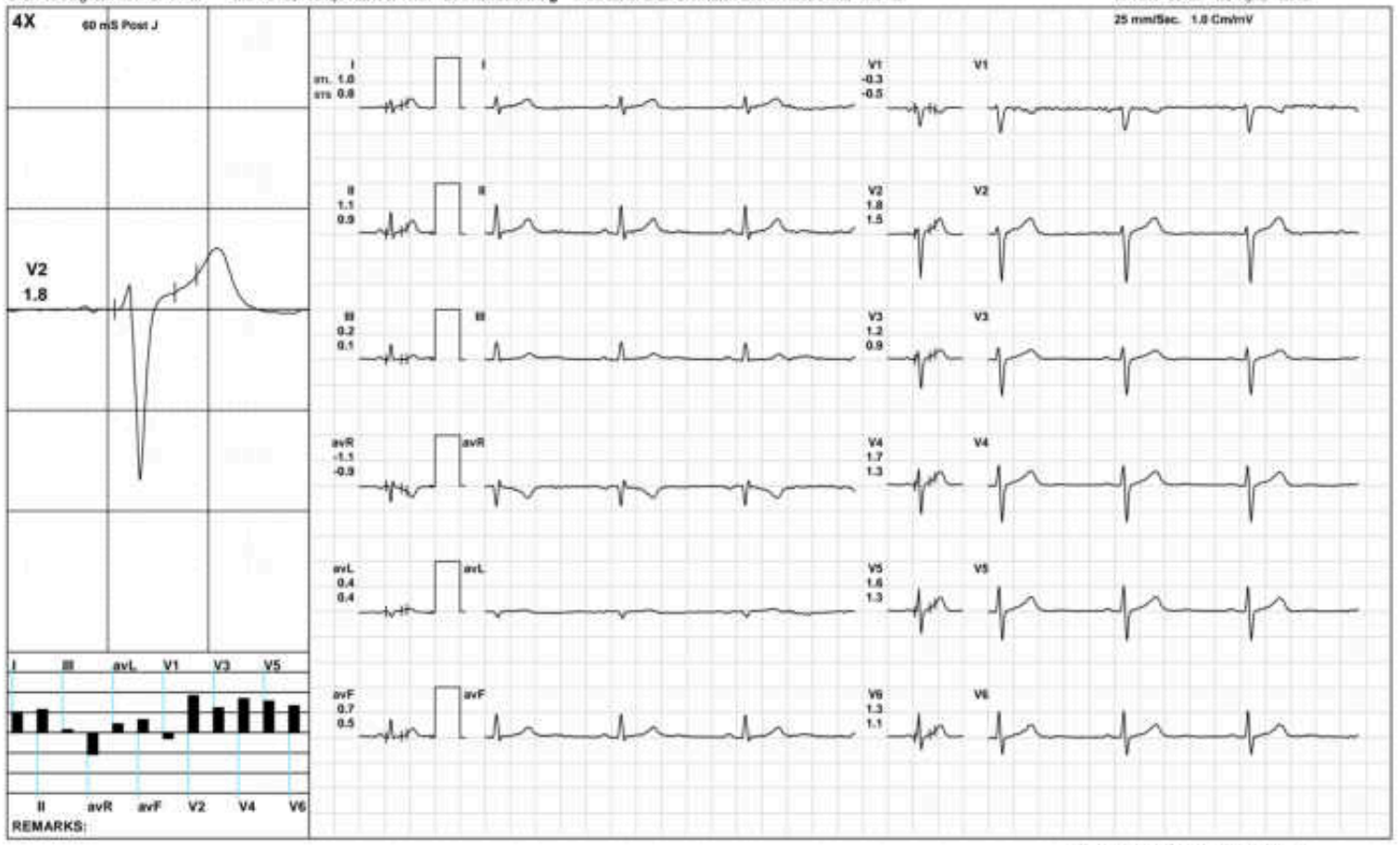
Warm Up



3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 60

Date: 18-Aug-2024 11:19:47 AM METS: 1.0/ 60 bpm 32% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:19 1.0 mph 0.0%



(GEM21217000)(R)Kardic by Allergers

ExStart



3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 68

Date: 18-Aug-2024 11:19:47 AM METS: 1.1/ 68 bpm 36% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:06 1.7 mph 10.0%



(GEM212170900)(R)Kardic by Allergers

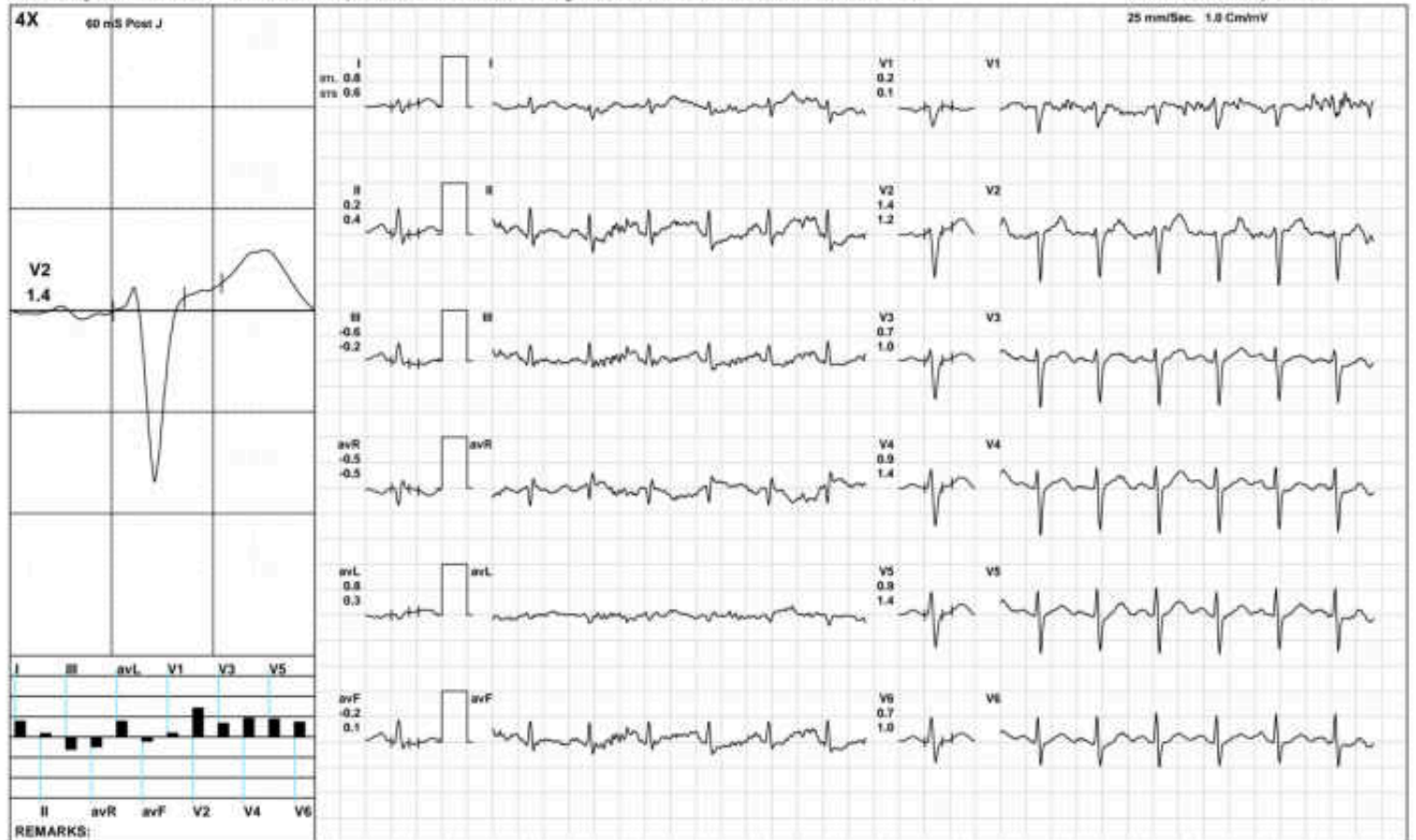
BRUCE/Stage 1(3:00)



3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 126

Date: 18-Aug-2024 11:19:47 AM METS: 4.7/ 126 bpm 68% of THR BP: 125/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 03:00 1.7 mph 10.0%



(GEM212170900)(R)Kardic by Allergers

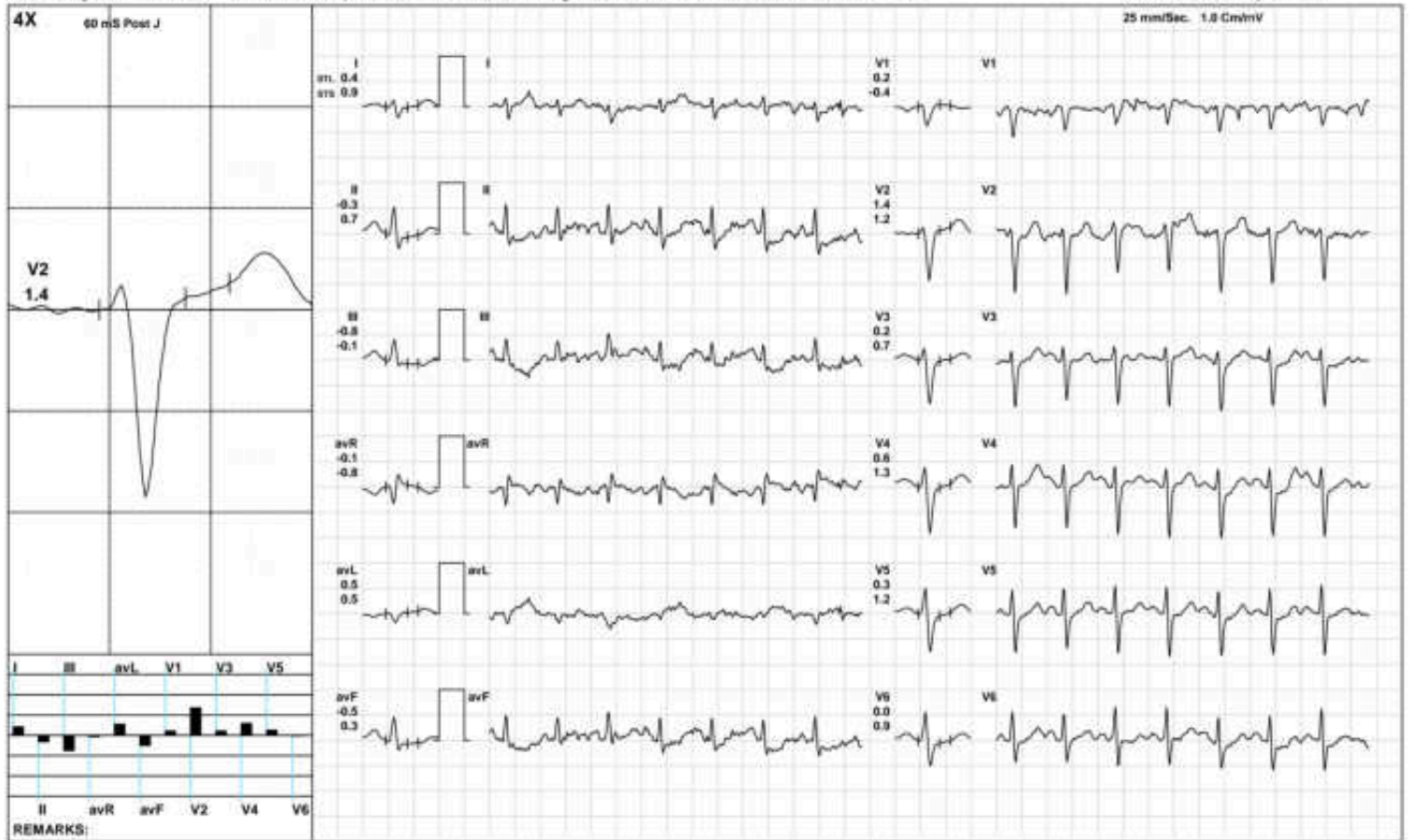
BRUCE/Stage 2(3:00)



3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 144

Date: 18-Aug-2024 11:19:47 AM METS: 7.1/ 144 bpm 77% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 2.5 mph 12.0%



(GEM212170900)(R)Kardic by Allergers

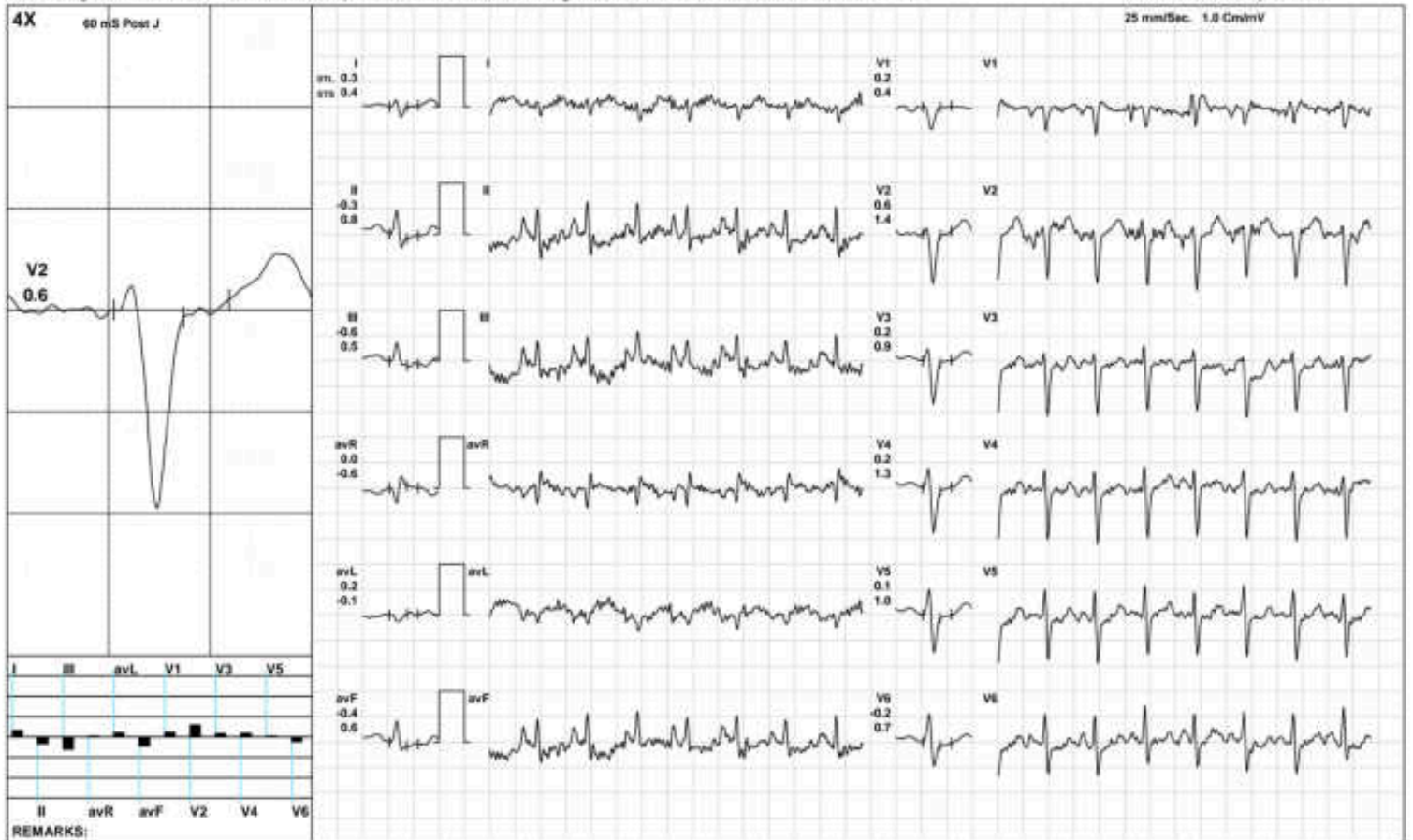
3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 150

PeakEx



Date: 18-Aug-2024 11:19:47 AM METS: 7.5/ 150 bpm 81% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:23 3.4 mph 14.0%



(GEM212170900)(R)Kardic by Allengers

Recovery(1:00)



3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 133

Date: 18-Aug-2024 11:19:47 AM METS: 1.2/ 133 bpm 71% of THR BP: 125/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:24 1.1 mph 0.0%



(GEM21217000)(R)Kardic by Allengers

Recovery(2:00)



3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 121

Date: 18-Aug-2024 11:19:47 AM METS: 1.0/ 121 bpm 65% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:24 1.1 mph 0.0%



(GEM212170900)(R)Kardic by Allergers

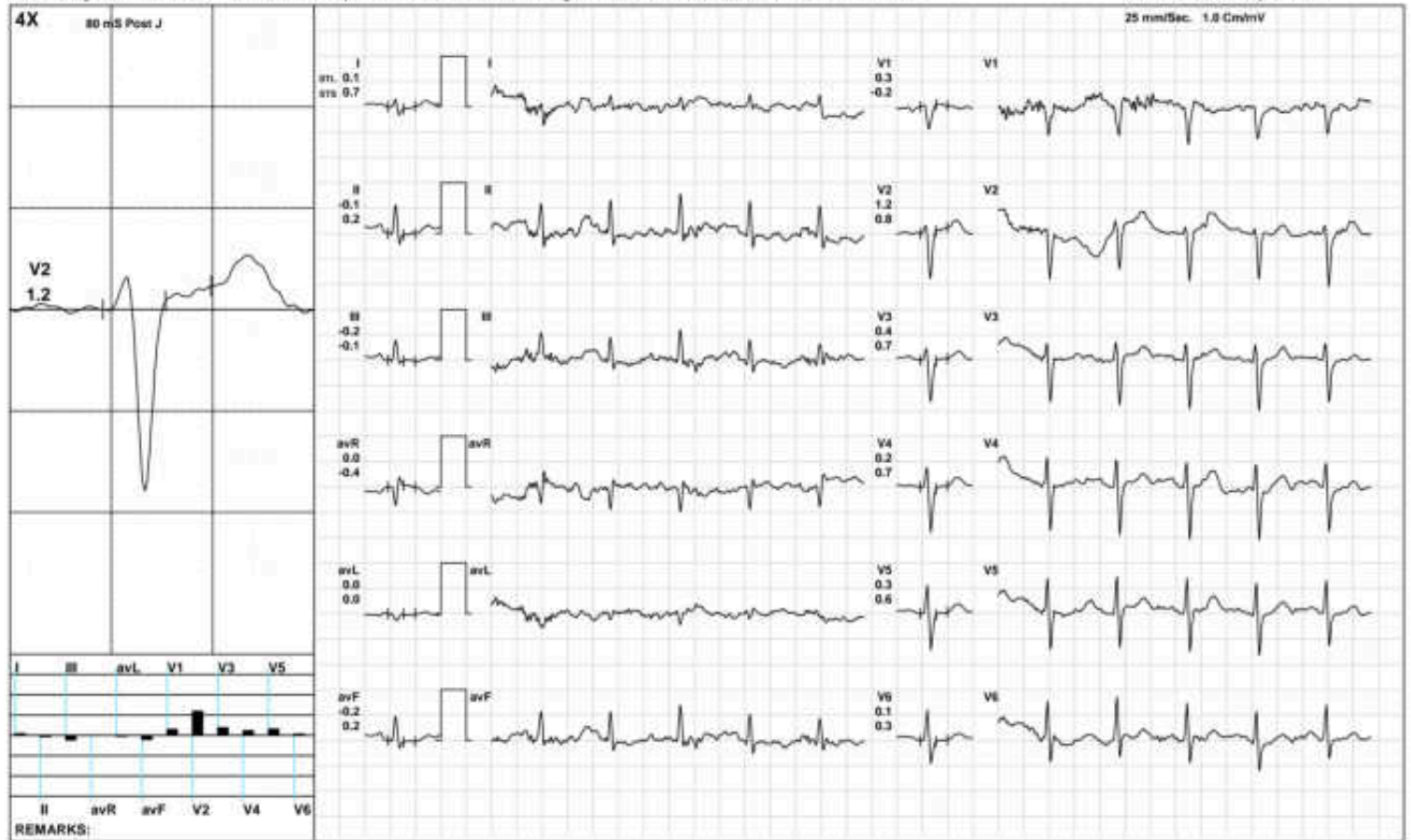
Recovery(3:46)



3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 112

Date: 18-Aug-2024 11:19:47 AM METS: 1.0/ 112 bpm 60% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Natch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:24 1.1 mph 0.0%



(GEM212170000)(R)Kardic by Allengers

ST Measurements



3042 / VIKASH KUMAR / 35 Yrs / M / 172 Cms / 79 Kg / HR : 68

Date: 18-Aug-2024 11:19:47 AM

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	1.0	1.1	0.2	-1.1	0.4	0.7	-0.3	1.8	1.2	1.7	1.6	1.3	0.8	0.9	0.1	-0.9	0.4	0.5	-0.5	1.5	0.9	1.3	1.3	1.1	
80 @mS Standing	1.0	1.1	0.2	-1.1	0.4	0.7	-0.3	1.8	1.2	1.7	1.6	1.3	0.8	0.9	0.1	-0.9	0.4	0.5	-0.5	1.5	0.9	1.3	1.3	1.1	
HV	1.0	1.1	0.2	-1.1	0.4	0.7	-0.3	1.8	1.2	1.7	1.6	1.3	0.8	0.9	0.1	-0.9	0.4	0.5	-0.5	1.5	0.9	1.3	1.3	1.1	
Warm Up	1.0	1.1	0.2	-1.1	0.4	0.7	-0.3	1.8	1.2	1.7	1.6	1.3	0.8	0.9	0.1	-0.9	0.4	0.5	-0.5	1.5	0.9	1.3	1.3	1.1	
ExStart	0.3	0.1	0.1	-0.3	0.2	0.0	0.4	1.5	0.7	1.0	1.0	0.9	0.3	0.6	0.2	-0.4	0.1	0.4	0.2	0.9	0.7	0.9	0.9	0.7	
Stage 1	0.8	0.2	-0.6	-0.5	0.7	-0.2	0.2	2.4	1.4	1.9	1.6	1.0	1.1	0.6	-0.6	-0.8	0.7	0.0	-0.3	2.2	1.3	2.1	1.9	1.4	
Stage 2	0.0	-0.5	-0.6	0.2	0.3	-0.5	0.0	0.6	0.1	0.3	0.1	-0.2	0.4	0.5	0.1	-0.4	0.2	0.3	0.3	1.1	0.9	1.6	1.3	0.6	
PeakEx	0.3	-0.3	-0.6	0.0	0.2	-0.4	0.2	0.6	0.2	0.2	0.1	-0.2	0.4	0.8	0.5	-0.6	-0.1	0.6	0.4	1.4	0.9	1.3	1.0	0.7	
Recovery	0.2	-0.2	-0.4	0.0	0.5	-0.3	0.3	0.8	0.4	0.5	0.4	0.3	0.6	0.5	-0.1	-0.6	0.4	0.2	0.1	1.8	1.6	1.5	1.7	1.4	
Recovery	0.3	-0.3	-0.6	0.0	0.8	-0.4	0.0	1.8	0.9	1.1	0.8	0.4	0.7	0.5	-0.2	-0.6	0.5	0.1	-0.5	1.6	1.0	1.5	1.3	0.8	
Recovery	0.1	-0.1	-0.2	0.0	0.0	-0.2	0.3	1.2	0.4	0.2	0.3	0.1	0.7	0.2	-0.1	-0.4	0.0	0.2	-0.2	0.8	0.7	0.7	0.6	0.3	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	
STI(μVs)													
Supine		7.6	10.0	2.5	-8.9	2.6	6.3	-2.9	13.0	8.8	12.2	11.8	10.1
Standing		7.6	10.0	2.5	-8.9	2.6	6.3	-2.9	13.0	8.8	12.2	11.8	10.1
HV		7.6	10.0	2.5	-8.9	2.6	6.3	-2.9	13.0	8.8	12.2	11.8	10.1
Warm Up		7.6	10.0	2.5	-8.9	2.6	6.3	-2.9	13.0	8.8	12.2	11.8	10.1
ExStart		4.9	5.4	2.0	-6.4	2.0	3.1	1.8	16.7	7.3	11.1	11.2	10.4
Stage 1		3.3	-0.4	-3.8	-1.5	3.6	-2.1	2.7	12.5	7.5	9.6	8.1	4.2
Stage 2		-0.5	-3.6	-3.1	2.0	1.4	-3.3	0.0	2.3	0.0	-0.1	-0.8	-1.9
PeakEx		1.0	-3.3	-4.2	1.4	1.4	-3.5	0.1	0.4	-0.3	-0.8	-1.5	-3.1
Recovery		0.5	-1.6	-2.1	0.6	2.1	-1.9	2.3	2.0	0.3	0.8	0.1	-0.1
Recovery		1.0	-3.1	-4.2	1.0	5.2	-3.7	1.1	10.6	5.7	5.7	3.9	1.7
Recovery		-0.8	-0.3	-0.6	0.8	-1.1	-1.2	2.9	8.2	2.8	1.7	2.1	0.7

Median Measurement Summary



3042 / VINASH KUMAR / 35 Yrs / Male / 172 Cm / 79 Kg

Time (Min.)	HR (bpm)	PR Int (mS)	QRS Wid (mS)	QRS Axis (Deg.)	QTC (mS)	P(μV) (Max)	R(μV) (Max)	S(μV) (Min)	T(μV) (Max)	Min. J (μV)	Leads for (J & P.J)	Min. Post JRR Var (μV)	(%)	VEB (Counts)	Missed Beats (Counts)
00:30	92	328	64	76	418	116	604	-945	303	-46	avL	-22	0.00	0	0
01:00	102	184	64	62	395	210	516	-927	229	-163	V1	-12	0.00	0	0
01:30	117	160	66	84	349	169	576	-873	257	-140	I	-62	0.00	0	0
02:00	123	78	64	63	344	175	585	-890	293	-37	II	-28	0.00	0	0
02:30	124	160	66	90	437	170	558	-869	308	-62	II	-74	0.00	0	0
03:00	124	148	64	90	460	162	523	-940	328	-62	II	-79	0.00	0	0
03:30	130	78	64	90	436	208	593	-900	300	-76	II	-115	0.00	0	0
04:00	135	148	60	156	424	-1037	715	-1012	-1395	-1029	V4	-1004	0.00	0	0
04:30	136	158	66	108	413	192	529	-945	328	-109	II	-107	0.00	0	0
05:00	136	142	64	104	355	180	525	-940	279	-263	I	-91	0.00	0	0
05:30	141	112	64	110	316	234	507	-949	319	-86	II	-100	0.00	0	0
06:00	142	124	68	112	350	173	519	-963	284	-187	I	-104	0.00	0	0
06:30	147	134	64	126	426	223	536	-982	298	-290	I	-91	0.00	0	0
07:00	148	126	70	116	368	186	479	-1016	338	-192	I	-114	0.00	0	0
07:30	139	136	70	100	329	234	547	-977	363	-83	II	-63	0.00	0	0
08:00	127	96	70	100	422	211	552	-1002	349	-82	II	-62	0.00	0	0
08:30	126	166	66	90	435	198	585	-990	369	-230	I	-41	0.00	0	0
09:00	121	174	68	90	449	291	594	-972	301	-17	avL	-75	0.00	0	0
09:30	117	124	64	90	423	214	622	-896	297	-326	V6	-21	0.00	0	0
10:00	108	184	68	60	424	185	624	-990	291	-21	II	-58	0.00	0	0



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
9065875700
info@aarogyamdiagnostics.com
www.aarogyamdiagnostics.com

Name :- Vikash Kumar
Refd by :- Dr. Corp

Age/Sex:-35Yrs/M
Date:-18/08/2024

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Enlarged in size(16.3cm) 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. No e/o mass, calculus or sludge is seen.
- 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(11.0cm) with normal echotexture. No focal lesion is seen. No evidence of varices is noticed.
- Kidneys** :- Right kidney is normal in size & position. P.C.S not dilated. A tiny concretion of measuring size 3.5mm seen in mid pole. C.M.D. Maintained. Left kidney is normal in shape, size & position. Sinus as well as cortical echoes are normal. No evidence of calculus, space occupying lesion or hydronephrosis is seen. Right Kidney measures 11.2cm and Left Kidney measures 11.0cm.
- Ureters** :- Ureters are not dilated.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size (11.0cc)& echotexture.
- Others** :- No ascites or abdominal adenopathy is seen. No free subphrenic / basal pleural space collection is seen.

IMPRESSION:- *Hepatomegaly with Grade I Fatty Changes Liver.
Right Renal Tiny Concretion.
Otherwise Normal Scan.*

Dr. Arun Kumar
MBBS, DMRD (Radio-Diagnosis)
Consultant Radiologist



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9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	18/08/2024	Srl No.	8	Patient Id	2408180008
Name	Mr. VIKASH KUMAR	Age	35 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	5.0	%	

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



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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	18/08/2024	Srl No.	8	Patient Id	2408180008
Name	Mr. VIKASH KUMAR	Age	35 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	14.4	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	6,700	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	64	%	40 - 75
LYMPHOCYTE	31	%	20 - 45
EOSINOPHIL	01	%	01 - 06
MONOCYTE	04	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN' s METHOD)	13	mm/1st hr.	0 - 15
R B C COUNT	4.91	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	43.1	%	40 - 54
M C V	87.78	fl.	80 - 100
M C H	29.33	Picogram	27.0 - 31.0
M C H C	33.4	gm/dl	33 - 37
PLATELET COUNT	2.24	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"B"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	75.2	mg/dl	70 - 110
SERUM CREATININE	1.1	mg%	0.7 - 1.4
BLOOD UREA	26.8	mg /dl	15.0 - 45.0
SERUM URIC ACID	6.81	mg%	3.4 - 7.0
<u>LIVER FUNCTION TEST (LFT)</u>			



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Date	18/08/2024	Srl No.	8	Patient Id	2408180008
Name	Mr. VIKASH KUMAR	Age	35 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.83	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.49	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.34	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.61	gm/dl	6.6 - 8.3
ALBUMIN	4.52	gm/dl	3.4 - 5.2
GLOBULIN	3.09	gm/dl	2.3 - 3.5
A/G RATIO	1.463		
SGOT	65.9	IU/L	5 - 40
SGPT	63.1	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	94.3	U/L	40.0 - 130.0
GAMMA GT	25.0	IU/L	8.0 - 71.0

LFT INTERPRET**LIPID PROFILE**

TRIGLYCERIDES	175.9	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	215.7	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	61.3	mg/dL	35.1 - 88.0
V L D L	35.18	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	119.22	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.519		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.945		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



ISO 9001 : 2015

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(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	18/08/2024	Srl No.	8	Patient Id	2408180008
Name	Mr. VIKASH KUMAR	Age	35 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.025		
PH	6.0		
ALBUMIN	NIL		
SUGAR	NIL		
MICROSCOPIC EXAMINATION			
PUS CELLS	0-1	/HPF	
RBC'S	NIL	/HPF	
CASTS	NIL		
CRYSTALS	NIL		
EPITHELIAL CELLS	1-2	/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	18/08/2024	Srl No.	8	Patient Id	2408180008
Name	Mr. VIKASH KUMAR	Age	35 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



Lab Facility : Unipath House, Besides Sahjanand College, Opp. Kamdhenu Complex, Panjarapole, Ambawadi, Ahmedabad-380015 Gujarat
 Phone: +91-79-49006800 | WhatsApp: 6356005900 | Email: info@unipath.in | Website: www.unipath.in
 Regd. Of- ce : 5th Floor, Doctor House, Nr. Parimal Garden, Ahmedabad-380006 Gujarat
 CIN: UB5195GJ2009PLC057059



40804100452

TEST REPORT

Reg.No : 40804100452	Reg.Date : 19-Aug-2024 13:12	Collection : 19-Aug-2024 13:12
Name : VIKASH KUMAR		Received : 19-Aug-2024 13:12
Age : 35 Years	Sex : Male	Report : 19-Aug-2024 14:43
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 19-Aug-2024 15:03
Referral Dr : <input type="checkbox"/>	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine), Total <small>C/MIA</small>	0.86	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>C/MIA</small>	L 2.69	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) <small>C/MIA</small>	H > 100.0000	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.Bruns. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 5th Edition. Philadelphia: WB Saunders,2012:2170

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

Dr. Hiral Arora
 M.D. Biochemistry
 Reg. No.- G-32999