



भारत सरकार

Government of India



विकास चन्द्र  
Vikash Chandra  
पिता शक्ति चन्द्र  
Father Satish Chandra  
जन्म तिथि / DOB 17/03/1990  
पुरुष / Male



6707 7118 8694

आधार - आम आदमी का अधिकार



09-09-2023 11:18:04 AM

ID: 78

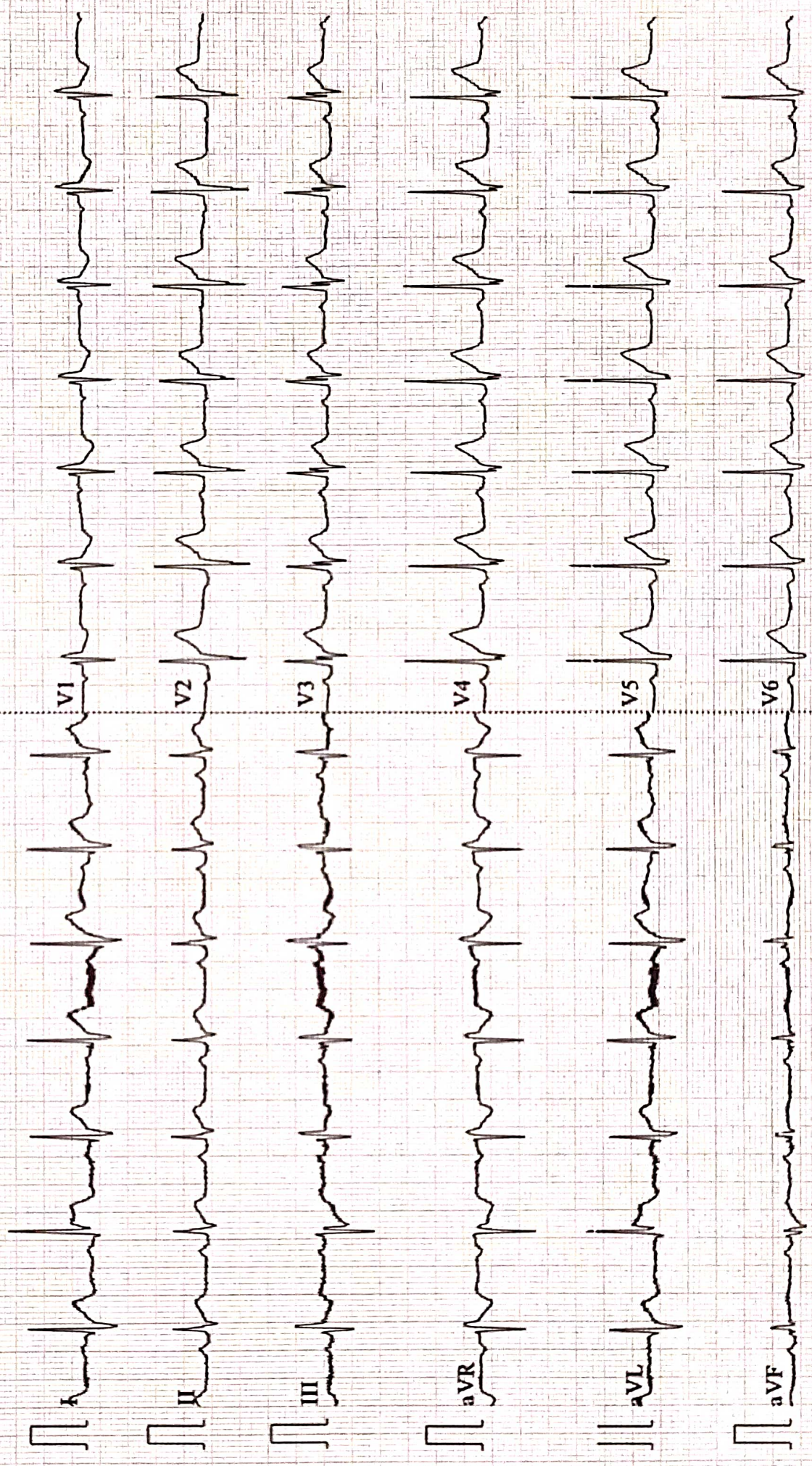
**VIKASH CHANDRA**  
Male 33Years

**Diagnosis Information:**

Sinus Rhythm  
Incomplete Right Bundle Branch Block  
Slight ST Elevation(I,aVL, V4, V5)

HR : 87 bpm  
P : 97 ms  
PR : 158 ms  
QRS : 101 ms  
QT/QTc : 311/376 ms  
P/QRS/T : 67/32/9 °  
RV5/SV1 : 1.529/0.591 mV

Ref-Phys. :  
Report Confirmed by:







Name :- Vikash Chandra  
Refd by :- Corp

Age/Sex:- 33Yrs/M  
Date :-09/09/23

Thanks for referral.

## REPORT OF USG OF WHOLE ABDOMEN.

- Liver** :- Enlarged in size (16.8cm) 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(11.3cm) with normal echotexture. No focal lesion is seen. No evidence of varices is noticed.
- Kidneys** :- Both kidneys are 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 11.1cm and Left Kidney measures 11.1cm.
- Ureters** :- Ureters are not dilated.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size (12.6cc)& echotexture.
- Others** :- No ascites or abdominal adenopathy is seen.  
No free subphrenic / basal pleural space collection is seen.

### IMPRESSION:-

*Hepatomegaly with Grade I-II Fatty Changes Liver.  
Otherwise Normal Scan.*

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

**AAROGYAM DIAGNOSTICS**  
**PATNA**

**Report**



(GEM212170906)(R)Kardic by Allengers

2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg Date: 09-Sep-2023 Technician : ARUN

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	116	62 %	110/80	127	00	
Standing	00:08	0:01	00.0	00.0	01.0	117	63 %	110/80	128	00	
HV	00:14	0:01	00.0	00.0	01.0	121	65 %	110/80	133	00	
Warm Up	00:36	0:01	01.0	00.0	01.0	114	61 %	110/80	125	00	
ExStart	00:58	0:06	01.7	10.0	01.1	135	72 %	110/80	148	00	
BRUCE/ Stage 1	03:58	3:00	01.7	10.0	04.7	150	80 %	115/85	172	00	
BRUCE/ Stage 2	06:58	3:00	02.5	12.0	07.1	168	90 %	120/90	201	00	
PeakEx	08:59	2:01	03.4	14.0	09.2	190	102 %	125/95	237	00	
Recovery	09:58	1:00	01.1	00.0	01.2	170	91 %	120/90	204	00	
Recovery	10:58	2:00	01.1	00.0	01.0	157	84 %	115/85	180	00	
Recovery	12:23	3:24	01.1	00.0	01.0	153	82 %	110/80	168	00	

**Findings :**

Exercise Time : 08:02  
Max HR Attained : 190 bpm 102% of Target 187  
Max BP Attained : (Sys) 125/95  
Max WorkLoad Attained : 9.2 Good response to induced stress  
Max ST Dep Lead & Value : V1 & -3.4 mm in Recovery mm  
Test End Reasons : Test Complete

**Report :**



**AAROGYAM DIAGNOSTICS**

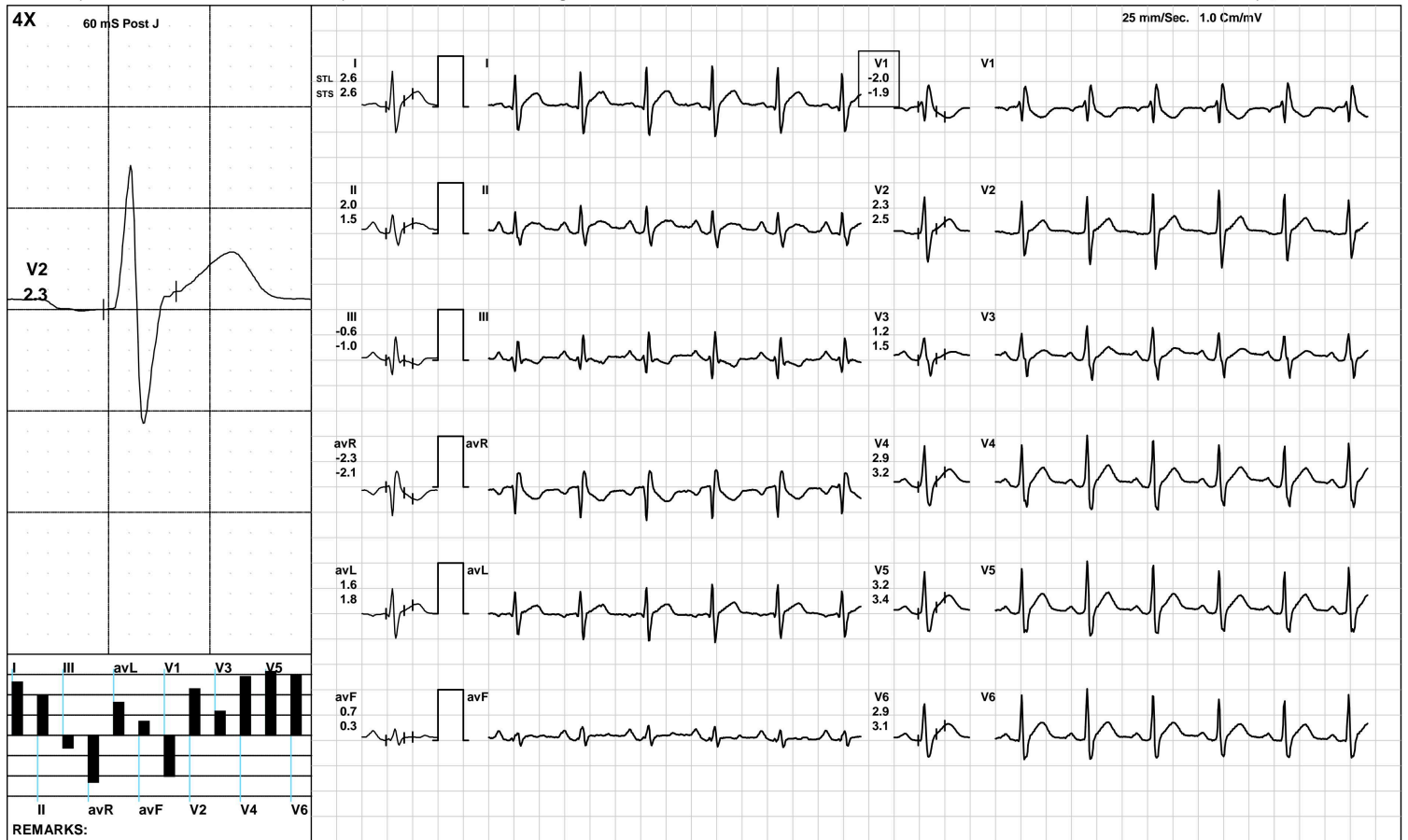
Supine



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 116

Date: 09-Sep-2023 12:20:08 PM METS: 1.0/ 116 bpm 62% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:03 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

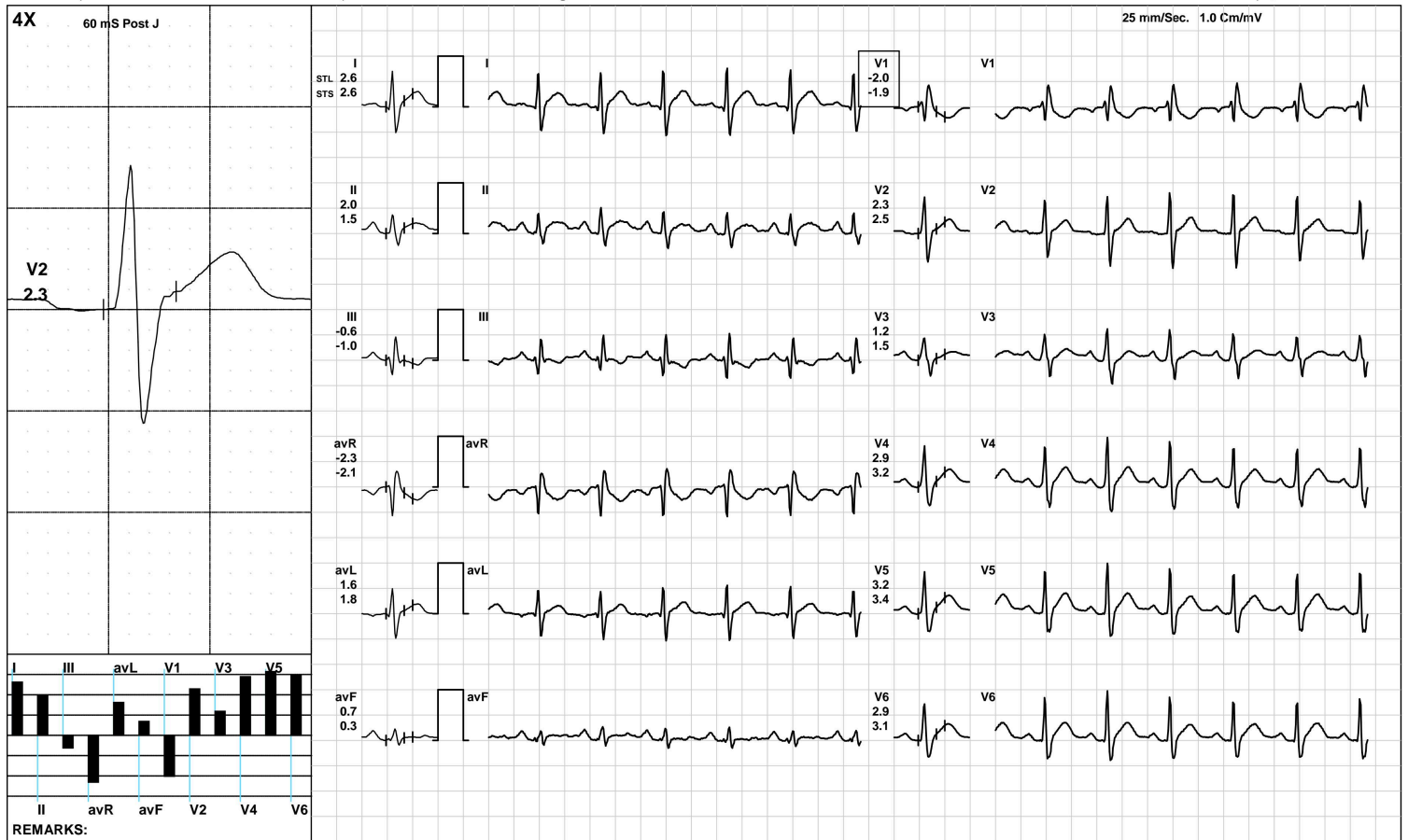
Standing



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 117

Date: 09-Sep-2023 12:20:08 PM METS: 1.0/ 117 bpm 62% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:08 0.0 mph, 0.0%





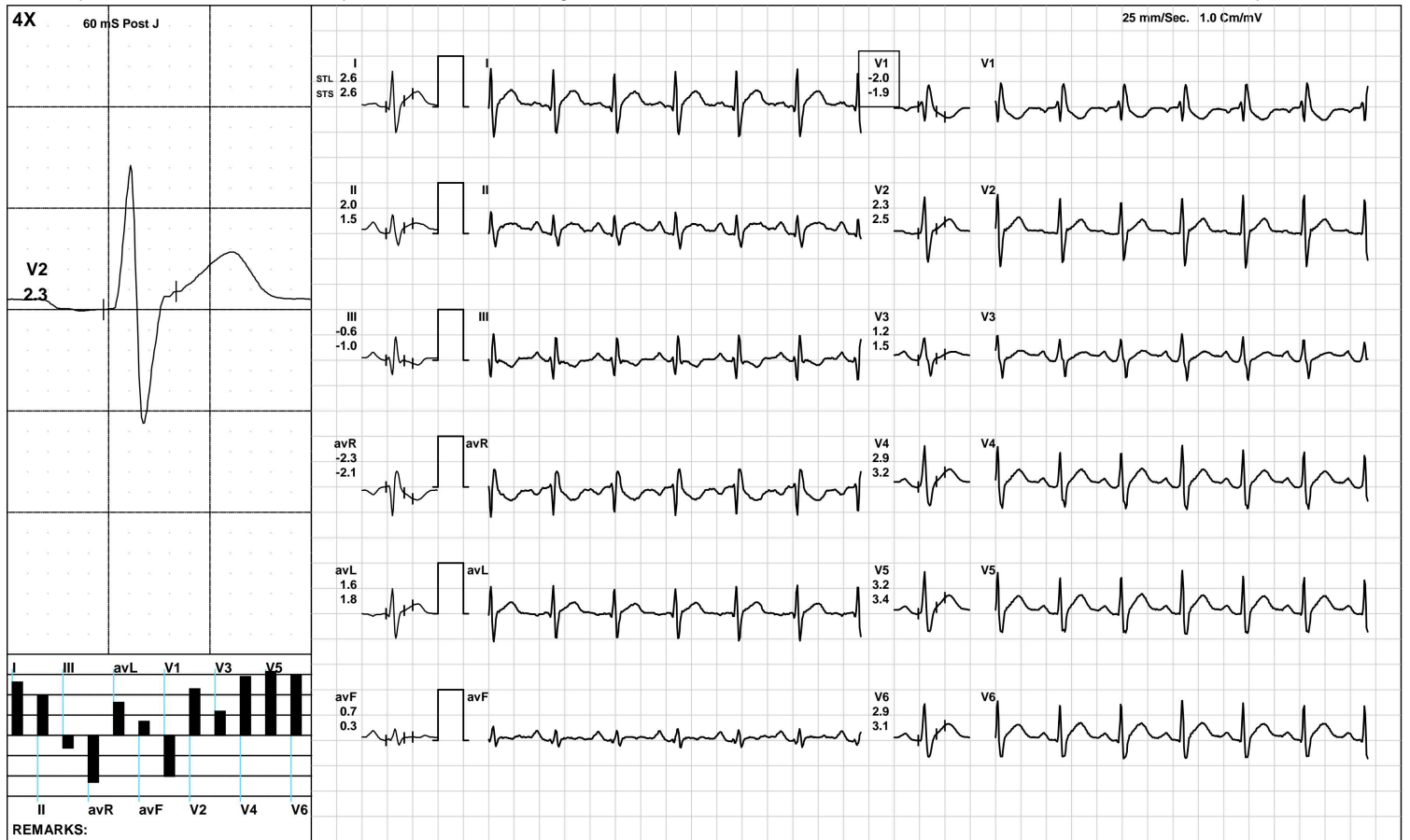
**AAROGYAM DIAGNOSTICS**



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 121

Date: 09-Sep-2023 12:20:08 PM METS: 1.0/ 121 bpm 64% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:14 0.0 mph, 0.0%



**AAROGYAM DIAGNOSTICS**

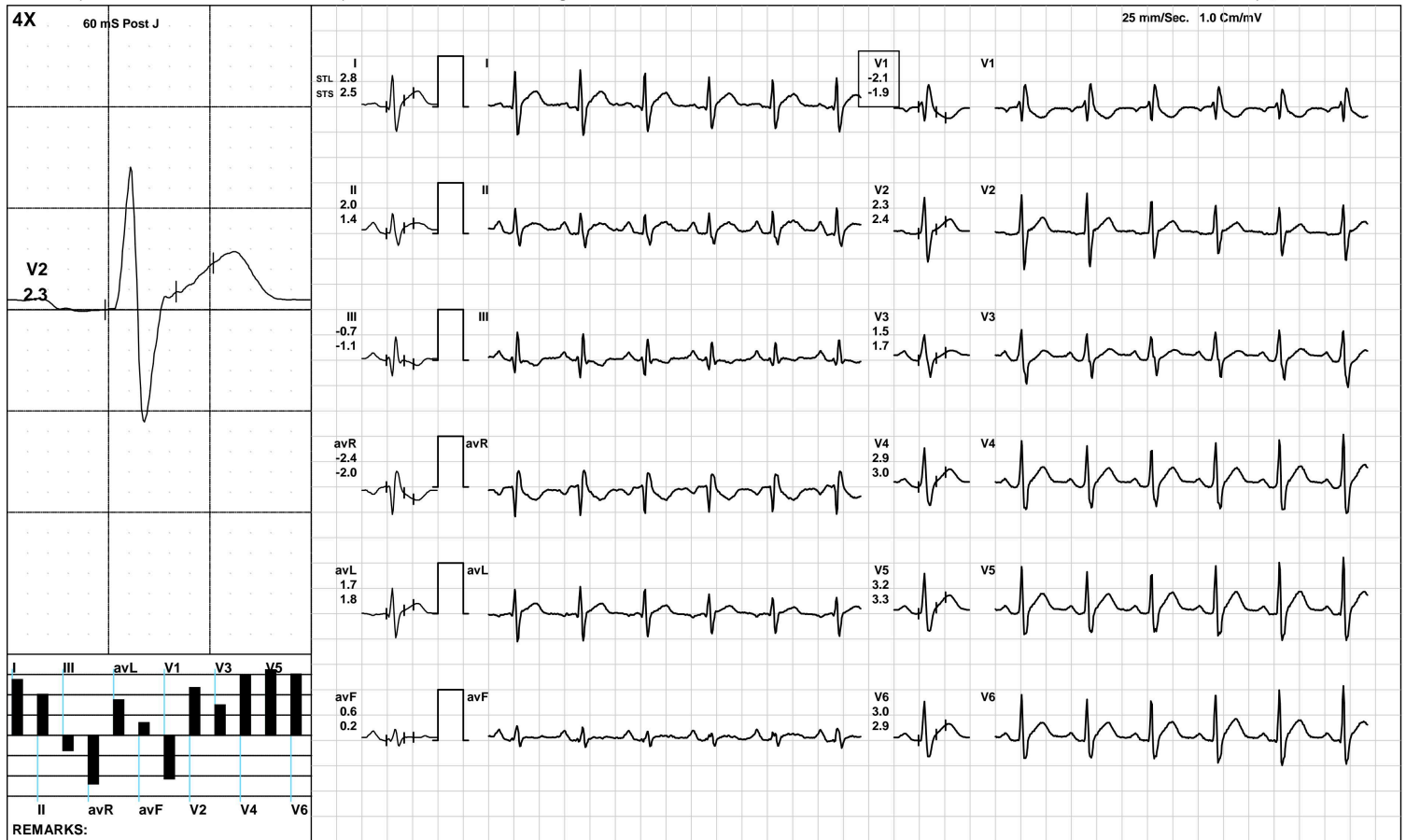
Warm Up



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 114

Date: 09-Sep-2023 12:20:08 PM METS: 1.0/ 114 bpm 60% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:36 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers



**AAROGYAM DIAGNOSTICS**

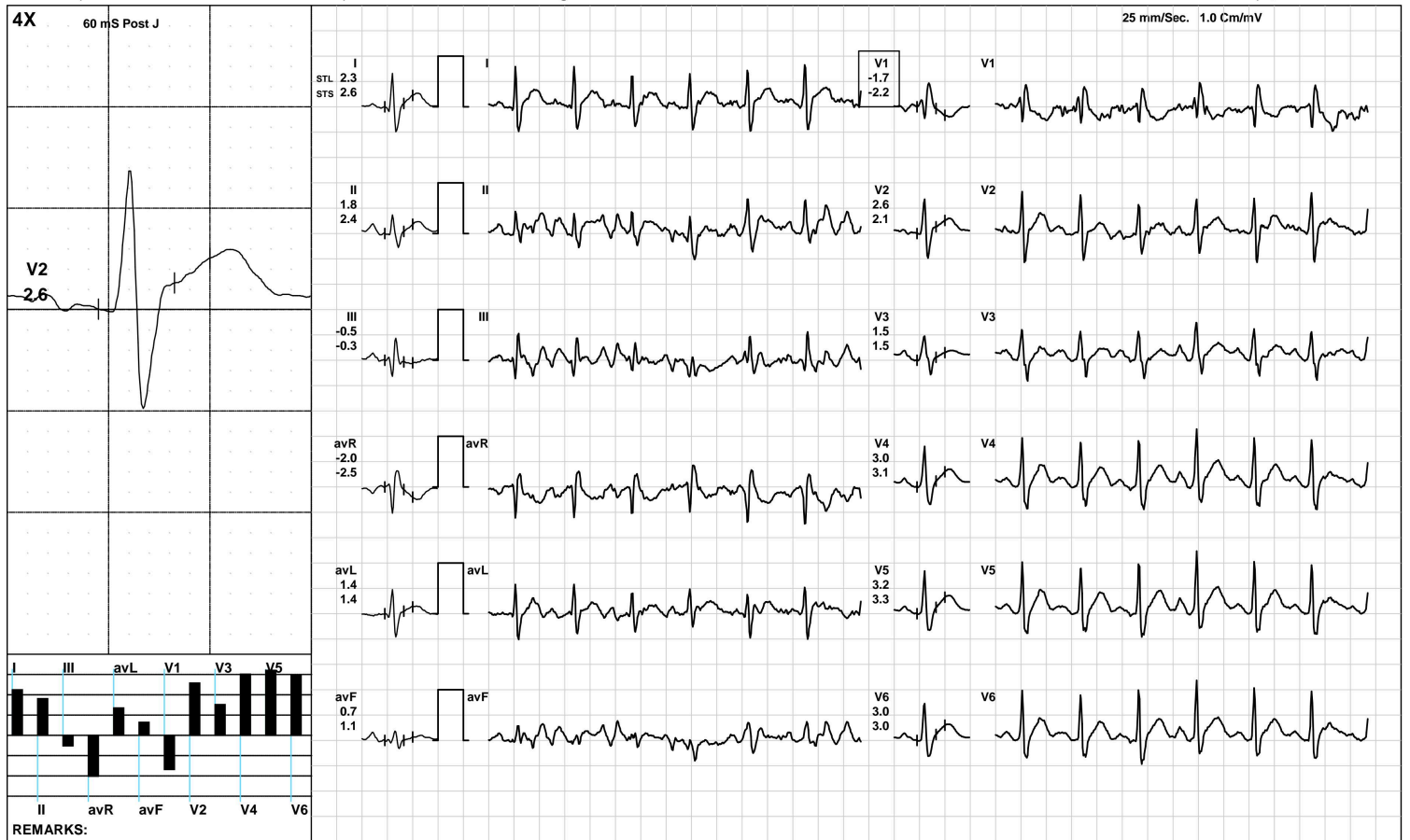
ExStart



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 135

Date: 09-Sep-2023 12:20:08 PM METS: 1.1/ 135 bpm 72% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:06 1.7 mph, 10.0%



**AAROGYAM DIAGNOSTICS**

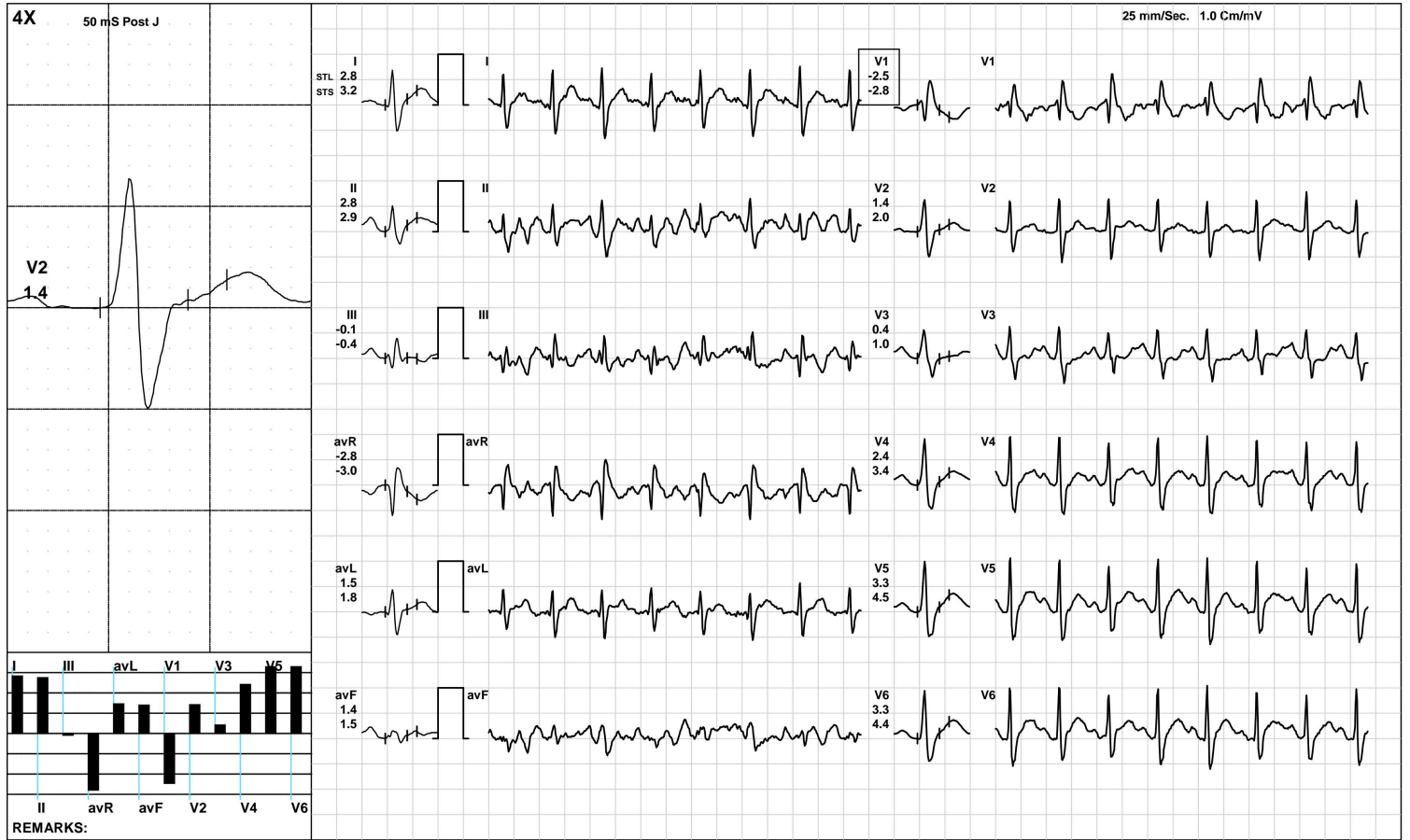
**BRUCE/Stage 1(3:00)**



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 150

Date: 09-Sep-2023 12:20:08 PM METS: 4.7/ 150 bpm 80% of THR BP: 115/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 03:00 1.7 mph, 10.0%



(GEM212170906)(R)Kardic by Allengers



**AAROGYAM DIAGNOSTICS**

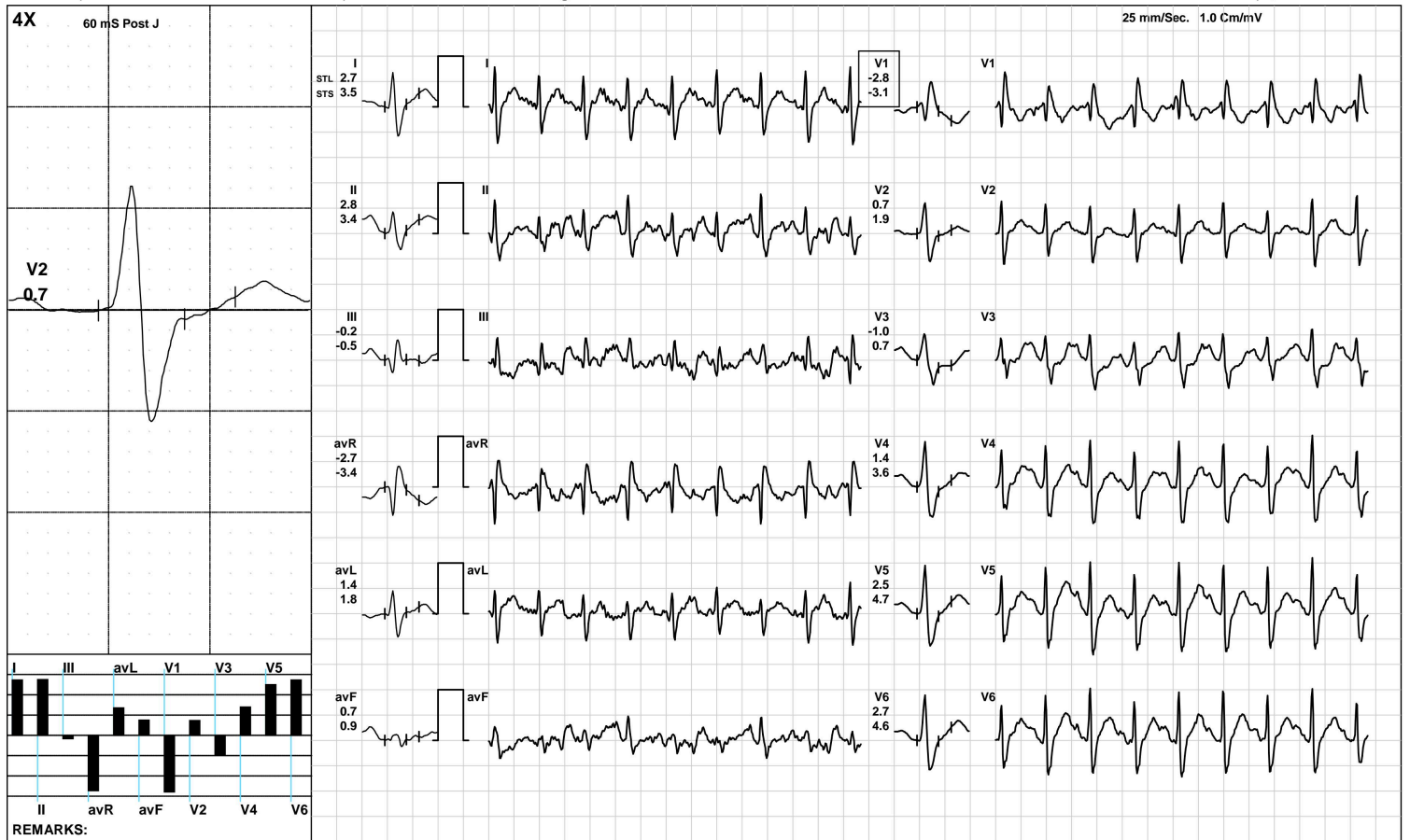
**BRUCE/Stage 2(3:00)**



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 168

Date: 09-Sep-2023 12:20:08 PM METS: 7.1/ 168 bpm 89% of THR BP: 120/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 2.5 mph, 12.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

**PeakEx**



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 190

Date: 09-Sep-2023 12:20:08 PM METS: 9.2/ 190 bpm 101% of THR BP: 125/95 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 08:01 3.4 mph, 14.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

Recovery(1:00)



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 170

Date: 09-Sep-2023 12:20:08 PM METS: 1.2/ 170 bpm 90% of THR BP: 120/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 08:02 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers



**AAROGYAM DIAGNOSTICS**

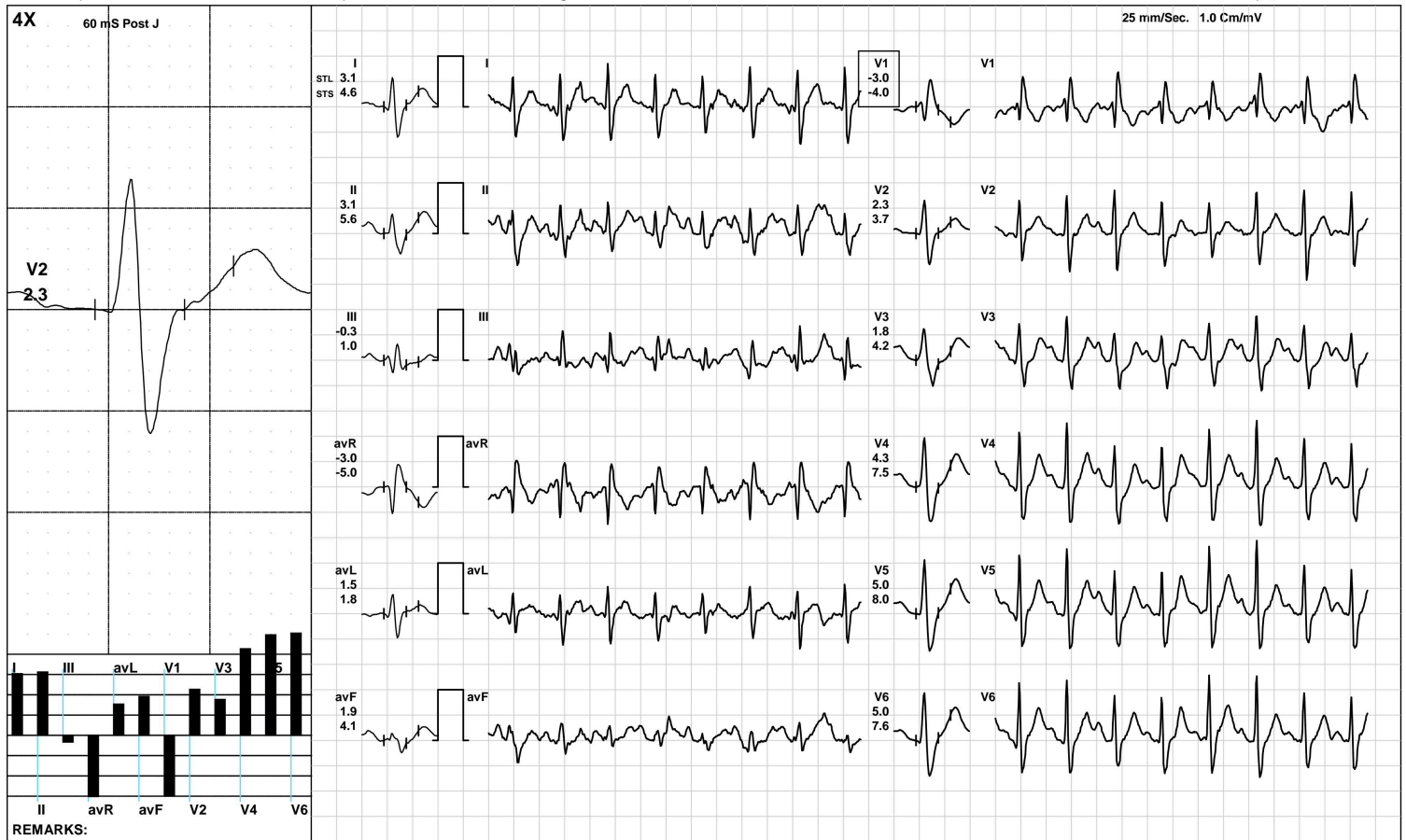
Recovery(2:00)



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 157

Date: 09-Sep-2023 12:20:08 PM METS: 1.0/ 157 bpm 83% of THR BP: 115/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 08:02 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

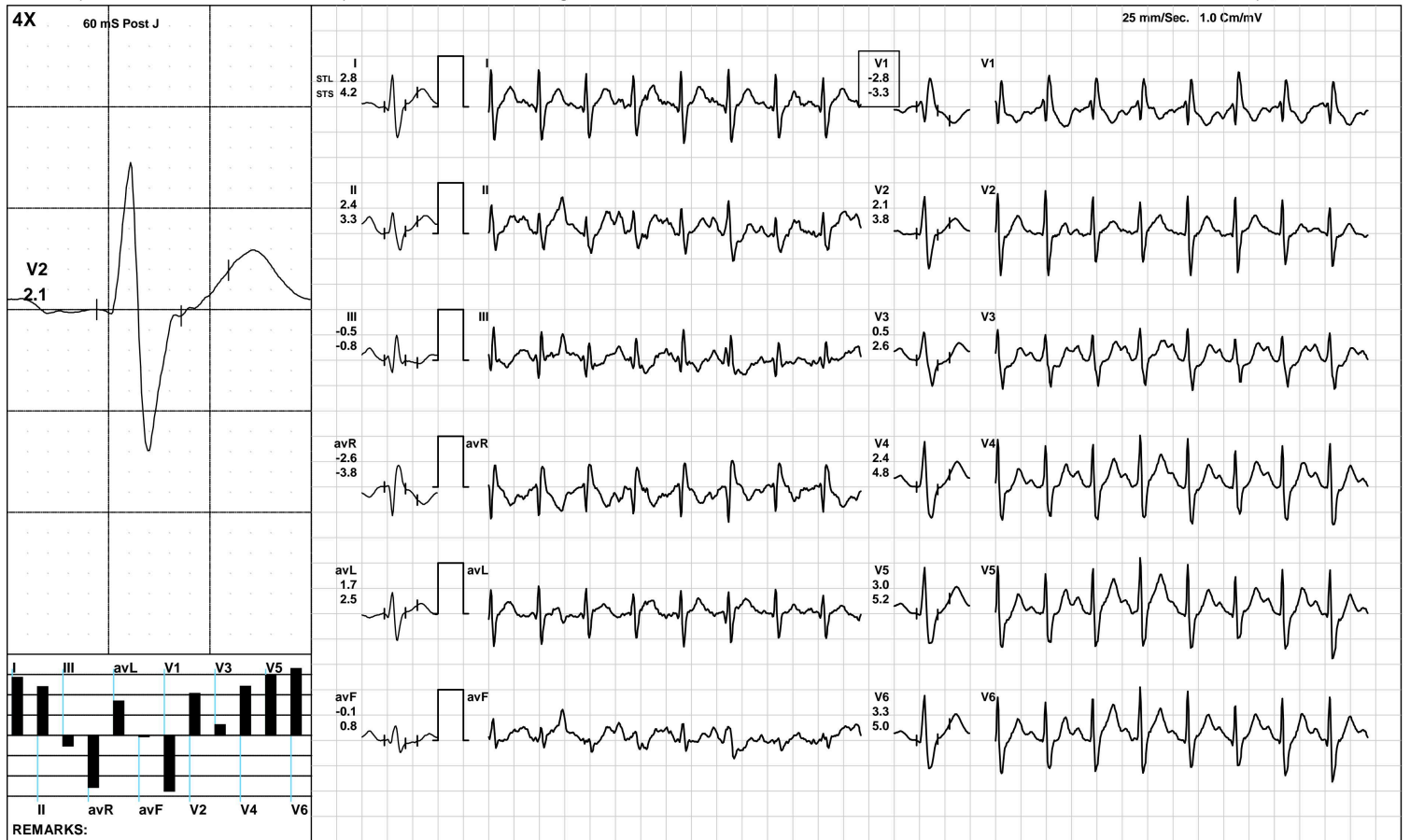
Recovery(3:24)



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 153

Date: 09-Sep-2023 12:20:08 PM METS: 1.0/ 153 bpm 81% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 08:02 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

**ST Measurements**



2237 / MR. VIKASH CHANDRA / 33 Yrs / M / 163 Cms / 65 Kg / HR : 125

Date: 09-Sep-2023 12:20:08 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	2.6	2.0	-0.6	-2.3	1.6	0.7	-2.0	2.3	1.2	2.9	3.2	2.9	2.6	1.5	-1.0	-2.1	1.8	0.3	-1.9	2.5	1.5	3.2	3.4	3.1	
60 @mS Standing	2.6	2.0	-0.6	-2.3	1.6	0.7	-2.0	2.3	1.2	2.9	3.2	2.9	2.6	1.5	-1.0	-2.1	1.8	0.3	-1.9	2.5	1.5	3.2	3.4	3.1	
HV	2.6	2.0	-0.6	-2.3	1.6	0.7	-2.0	2.3	1.2	2.9	3.2	2.9	2.6	1.5	-1.0	-2.1	1.8	0.3	-1.9	2.5	1.5	3.2	3.4	3.1	
Warm Up	2.8	2.0	-0.7	-2.4	1.7	0.6	-2.1	2.3	1.5	2.9	3.2	3.0	2.5	1.4	-1.1	-2.0	1.8	0.2	-1.9	2.4	1.7	3.0	3.3	2.9	
ExStart	2.3	1.8	-0.5	-2.0	1.4	0.7	-1.7	2.6	1.5	3.0	3.2	3.0	2.6	2.4	-0.3	-2.5	1.4	1.1	-2.2	2.1	1.5	3.1	3.3	3.0	
Stage 1	2.8	2.8	-0.1	-2.8	1.5	1.4	-2.5	1.4	0.4	2.4	3.3	3.3	3.2	2.9	-0.4	-3.0	1.8	1.5	-2.8	2.0	1.0	3.4	4.5	4.4	
Stage 2	2.7	2.8	-0.2	-2.7	1.4	0.7	-2.8	0.7	-1.0	1.4	2.5	2.7	3.5	3.4	-0.5	-3.4	1.8	0.9	-3.1	1.9	0.7	3.6	4.7	4.6	
PeakEx	2.6	2.1	-0.5	-2.3	1.6	0.5	-2.9	0.8	-0.9	1.5	3.1	3.4	4.8	4.4	-0.2	-4.6	2.6	1.9	-4.1	1.9	1.4	4.8	6.5	6.3	
Recovery	3.5	3.3	-0.2	-3.4	1.8	1.1	-3.4	2.4	1.6	4.5	5.4	5.6	4.8	4.6	-0.2	-4.7	2.5	2.1	-4.1	4.0	4.4	7.9	8.7	8.4	
Recovery	3.1	3.1	-0.3	-3.0	1.5	1.9	-3.0	2.3	1.8	4.3	5.0	5.0	4.6	5.6	1.0	-5.0	1.8	4.1	-4.0	3.7	4.2	7.5	8.0	7.6	
Recovery	2.8	2.4	-0.5	-2.6	1.7	-0.1	-2.8	2.1	0.5	2.4	3.0	3.3	4.2	3.3	-0.8	-3.8	2.5	0.8	-3.3	3.8	2.6	4.8	5.2	5.0	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	
STI(μVs)													
Supine		11.9	9.5	-2.3	-10.7	7.1	3.7	-9.3	10.0	5.0	12.8	14.0	13.2
Standing		11.9	9.5	-2.3	-10.7	7.1	3.7	-9.3	10.0	5.0	12.8	14.0	13.2
HV		11.9	9.5	-2.3	-10.7	7.1	3.7	-9.3	10.0	5.0	12.8	14.0	13.2
Warm Up		14.0	11.0	-3.0	-12.5	8.5	3.9	-11.0	11.3	7.1	14.3	15.8	15.1
ExStart		10.6	8.1	-3.0	-9.2	6.6	2.6	-7.4	13.0	7.3	14.4	15.3	14.4
Stage 1		10.3	10.9	0.6	-10.6	4.9	5.9	-9.1	4.5	1.1	8.0	11.0	11.5
Stage 2		9.2	10.7	0.5	-9.9	3.9	3.2	-10.3	0.4	-6.7	1.5	5.8	7.0
PeakEx		4.8	1.9	-2.2	-3.3	4.0	-0.6	-7.9	0.2	-7.8	-1.2	4.7	6.4
Recovery		10.4	8.5	-1.9	-9.6	6.0	0.8	-11.1	5.6	-0.2	9.7	13.4	15.5
Recovery		9.1	7.6	-3.5	-8.2	5.4	2.6	-9.9	6.1	1.5	10.0	13.1	14.2
Recovery		8.6	7.2	-1.9	-7.5	5.2	-2.4	-9.7	4.7	-1.9	4.6	7.0	9.2





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 & PJ)	Min. Post JRR Var (μV)	(%)	VEB (Counts)	Missed Beats (Counts)
00:30	129	140	80	-34	437	226	938	-600	413	83	V1	-203	0.00	0	0
01:00	140	144	64	-22	304	219	949	-582	405	390	V1	-160	0.00	0	0
01:30	142	132	66	-21	291	263	1023	-605	-456	368	V1	-131	0.00	0	0
02:00	146	130	56	-7	150	233	1011	-600	-471	455	V1	-124	0.00	0	0
02:30	147	126	54	28	155	277	1001	-588	-466	471	V1	-122	0.00	0	0
03:00	152	130	56	-21	151	238	940	-576	-479	388	V1	-137	0.00	0	0
03:30	155	128	56	7	152	272	1012	-602	-506	487	V1	-124	0.00	0	0
04:00	155	116	66	-59	176	272	1017	-575	-494	320	V1	-144	0.00	0	0
04:30	160	116	66	-42	302	291	983	-578	385	342	V1	-138	0.00	0	0
05:00	164	102	64	-58	187	277	976	-610	-391	387	V1	-170	0.00	0	0
05:30	163	106	66	-46	328	336	978	-607	-404	388	V1	-158	0.00	0	0
06:00	169	114	62	-90	175	280	972	-652	429	372	V1	-180	0.00	0	0
06:30	169	108	64	-67	211	308	954	-664	-456	388	V1	-160	0.00	0	0
07:00	178	108	66	-90	218	299	920	-699	-497	368	V1	-180	0.00	0	0
07:30	183	90	62	-90	254	281	938	-771	-551	-541	V3	-190	0.00	0	0
08:00	185	92	62	-83	230	283	882	-801	-578	375	V1	-188	0.00	0	0
08:30	187	98	64	-73	190	284	863	-825	-513	-548	V3	-174	0.00	0	0
09:00	176	102	64	256	313	346	883	-770	622	410	V1	-155	0.00	0	0
09:30	169	110	66	-90	305	309	920	-739	695	358	V1	-166	0.00	0	0
10:00	165	112	66	-90	305	305	991	-687	684	380	V1	-156	0.00	0	0
10:30	158	112	66	-34	314	337	980	-746	701	408	V1	-171	0.00	0	0
11:00	155	112	64	-63	430	311	964	-667	646	434	V1	-153	0.00	0	0
11:30	151	126	64	-42	303	290	1059	-704	609	437	V1	-133	0.00	0	0
12:00	153	122	62	37	323	329	900	-708	544	444	V1	-142	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  
 9264278360, 9065875700, 8789391403  
 info@aarogyamdiagnostics.com  
 www.aarogyamdiagnostics.com

<b>Date</b>	<b>09/09/2023</b>	<b>Srl No.</b>	<b>9</b>	<b>Patient Id</b>	<b>2309090009</b>
<b>Name</b>	<b>Mr. VIKASH CHANDRA</b>	<b>Age</b>	<b>32 Yrs.</b>	<b>Sex</b>	<b>M</b>
<b>Ref. By</b>	<b>Dr.BOB</b>				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	5.3	%	

**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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 (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

<b>Date</b>	<b>09/09/2023</b>	<b>Srl No. 9</b>	<b>Patient Id 2309090009</b>
<b>Name</b>	<b>Mr. VIKASH CHANDRA</b>	<b>Age 32 Yrs.</b>	<b>Sex M</b>
<b>Ref. By Dr.BOB</b>			

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	13.6	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	6,500	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	60	%	40 - 75
LYMPHOCYTE	35	%	20 - 45
EOSINOPHIL	02	%	01 - 06
MONOCYTE	03	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN's METHOD)	13	mm/1st hr.	0 - 15
R B C COUNT	4.55	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	40.8	%	40 - 54
M C V	89.67	fl.	80 - 100
M C H	29.89	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	2.30	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"O"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	81.2	mg/dl	70 - 110
SERUM CREATININE	0.79	mg%	0.7 - 1.4
BLOOD UREA	19.5	mg /dl	15.0 - 45.0
SERUM URIC ACID	5.0	mg%	3.4 - 7.0
<b><u>LIVER FUNCTION TEST (LFT)</u></b>			





<b>Date</b>	<b>09/09/2023</b>	<b>Srl No. 9</b>	<b>Patient Id 2309090009</b>
<b>Name</b>	<b>Mr. VIKASH CHANDRA</b>	<b>Age 32 Yrs.</b>	<b>Sex M</b>
<b>Ref. By Dr.BOB</b>			

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.58	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.18	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.4	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.2	gm/dl	6.6 - 8.3
ALBUMIN	3.9	gm/dl	3.4 - 5.2
GLOBULIN	3.3	gm/dl	2.3 - 3.5
A/G RATIO	<b>1.182</b>		
SGOT	24.8	IU/L	5 - 40
SGPT	<b>79.7</b>	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	70.2	U/L	40.0 - 130.0
GAMMA GT	26.1	IU/L	8.0 - 71.0

#### LFT INTERPRET

#### LIPID PROFILE

TRIGLYCERIDES	125.0	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	134.5	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	57.2	mg/dL	35.1 - 88.0
V L D L	<b>25</b>	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	<b>52.3</b>	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	2.351		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	0.914		0.00 - 3.55
THYROID PROFILE			
QUANTITY	15	ml.	



<b>Date</b>	<b>09/09/2023</b>	<b>Srl No.</b>	<b>9</b>	<b>Patient Id</b>	<b>2309090009</b>
<b>Name</b>	<b>Mr. VIKASH CHANDRA</b>	<b>Age</b>	<b>32 Yrs.</b>	<b>Sex</b>	<b>M</b>
<b>Ref. By</b>	<b>Dr.BOB</b>				

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.010		
PH	6.0		
ALBUMIN	NIL		
SUGAR	NIL		
<b>MICROSCOPIC EXAMINATION</b>			
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.



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

<b>Date</b>	<b>09/09/2023</b>	<b>Srl No.</b>	<b>9</b>	<b>Patient Id</b>	<b>2309090009</b>
<b>Name</b>	<b>Mr. VIKASH CHANDRA</b>	<b>Age</b>	<b>32 Yrs.</b>	<b>Sex</b>	<b>M</b>
<b>Ref. By</b>	<b>Dr.BOB</b>				

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

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: U85195GJ2009PLC057059



30904100167

### TEST REPORT

<b>Reg.No</b> : 30904100167	<b>Reg.Date</b> : 10-Sep-2023 12:20	<b>Collection</b> : 10-Sep-2023 12:20
<b>Name</b> : VIKASH CHANDRA		<b>Received</b> : 10-Sep-2023 12:20
<b>Age</b> : 33 Years	<b>Sex</b> : Male	<b>Report</b> : 10-Sep-2023 14:05
<b>Referred By</b> : AAROGYAM DIAGNOSTICS @ PATNA		<b>Dispatch</b> : 10-Sep-2023 14:26
<b>Referral Dr</b> : □	<b>Status</b> : Final	<b>Location</b> : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
<b>THYROID FUNCTION TEST</b>			
T3 (triiodothyronine)	1.05	ng/mL	0.6 - 1.52
T4 (Thyroxine) <small>C/MIA</small>	7.65	µg/dL	5.5 - 11.0
TSH ( ultra sensitive) <small>C/MIA</small>	2.522	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. Avani Patel**

M.D. Biochemistry

Reg No.- G-34103