



बैंक ऑफ बड़ोदा
Bank of Baroda

नाम प्रकाश रंजन
Name PRAKASH RANJAN

कार्यकारी कूट क्र.
E.C. No. 114313



D - K
जारीकर्ता प्राधिकारी
Issuing Authority

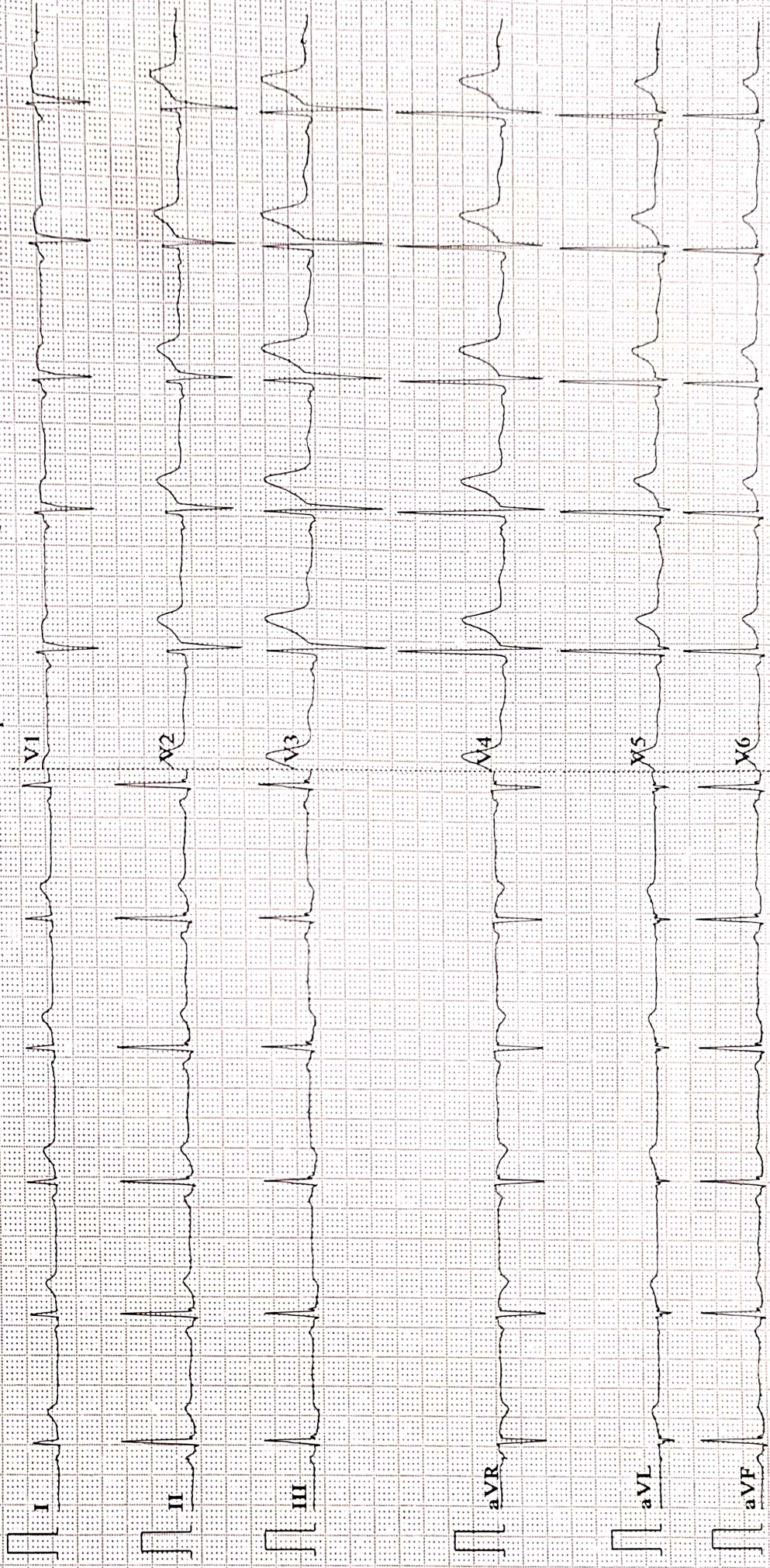
Prakash Ranjan
कार्यकारी
Signature of Holder

PRAKASH RANJAN
Male 34Years

HR : 67 bpm
P : 103 ms
PR : 139 ms
QRS : 84 ms
QT/QTc : 342/362 ms
P/QRS/T : 62/67/9 °
RV5/SV1 : 2.045/1.022 mV

Diagnosis in Arrhythmia
Sinus Rhythm
Larged PtfV1

Ref-Phys. :
Report Confirmed by:



0.67-100Hz AC50 25mm/s 10mm/mV 2°5.0s ▼67 V2.2 SEMIP V1.81 DAIGNOSTIC



Name :- Prakash Ranjan
Refd by :- Corp

Age/Sex:- 34Yrs/M
Date :-11/03/23

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Normal in size (13.5cm) with **slightly 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 (10.4cm) 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 8.5cm and Left Kidney measures 8.6cm.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size(10.4cc) & echotexture.
- Others** :- No ascites or abdominal adenopathy is seen.
No free subphrenic / basal pleural space collection is seen.

IMPRESSION:- *Mild Fatty Liver.*
Otherwise Normal Scan.

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



1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg Date: 11-Mar-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	76	41 %	130/80	098	00	
Standing	00:13	0:01	00.0	00.0	01.0	72	39 %	130/80	093	00	
HV	00:20	0:01	00.0	00.0	01.0	072	39 %	130/80	093	00	
Warm Up	00:27	0:01	01.0	00.0	01.0	073	39 %	130/80	094	00	
ExStart	00:37	0:06	01.7	10.0	01.1	090	48 %	130/80	117	00	
BRUCE/ Stage 1	03:37	3:00	01.7	10.0	04.7	116	62 %	130/80	150	00	
BRUCE/ Stage 2	06:37	3:00	02.5	12.0	07.1	144	77 %	135/85	194	00	
PeakEx	08:37	2:00	03.4	14.0	09.2	165	89 %	140/90	231	00	
Recovery	09:36	1:00	01.1	00.0	01.2	142	76 %	135/85	191	00	
Recovery	10:36	2:00	01.1	00.0	01.0	126	68 %	130/80	163	00	
Recovery	10:46	2:09	01.1	00.0	01.0	128	69 %	130/80	166	00	

Findings :

Exercise Time : 08:01
 Max HR Attained : 165 bpm 89% of Target 186
 Max BP Attained : (Sys) 140/90
 Max WorkLoad Attained : 9.2 Good response to induced stress
 Max ST Dep Lead & Value : III & -5.3 mm in PeakEx mm
 Test End Reasons : Test Complete, Test Complete

Report :

Aarogam Diagnostics

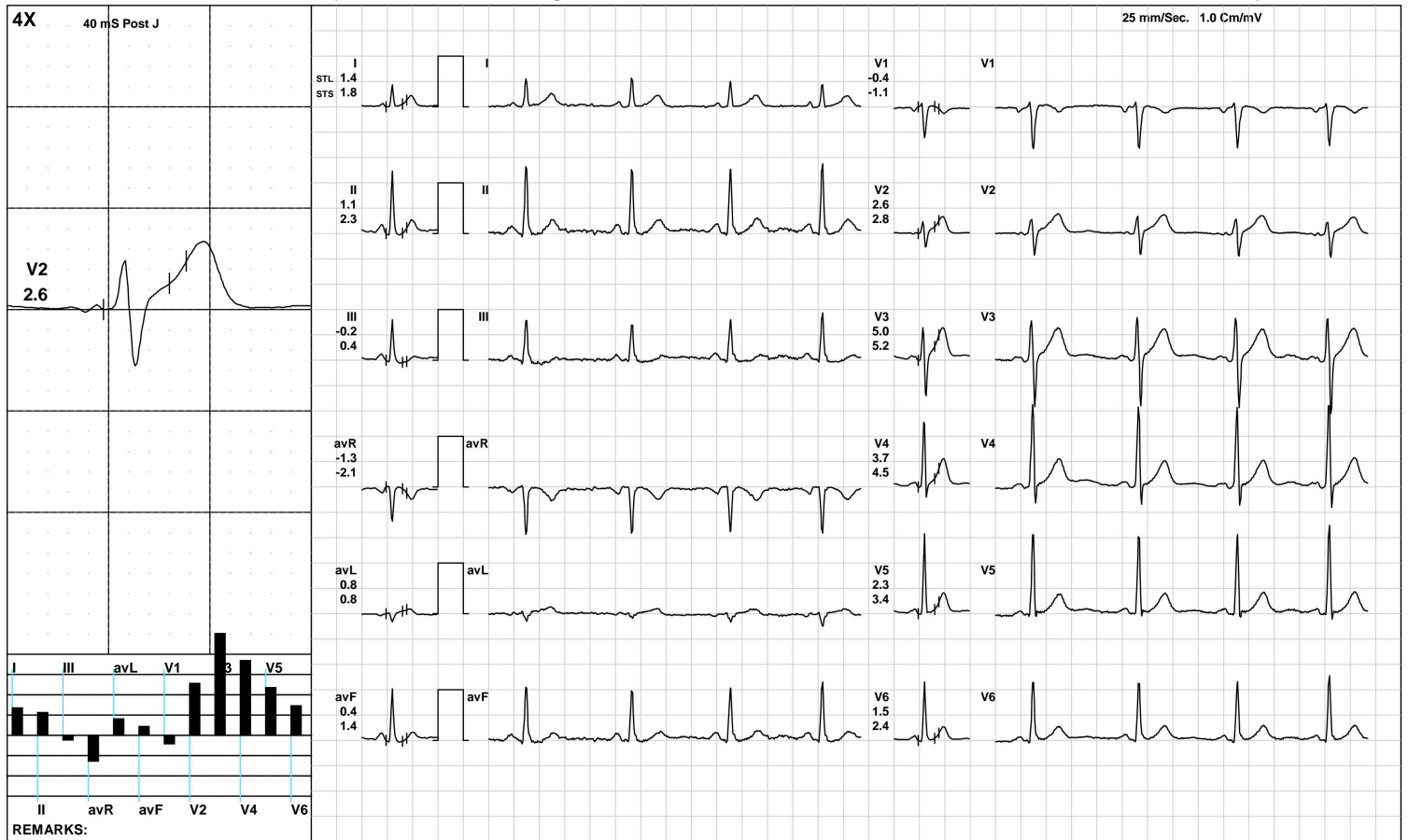
Supine



1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg / HR : 76

Date: 11-Mar-2023 11:36:09 AM METS: 1.0/ 76 bpm 40% of THR BP: 130/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:03 0.0 mph, 0.0%



Aarogam Diagnostics

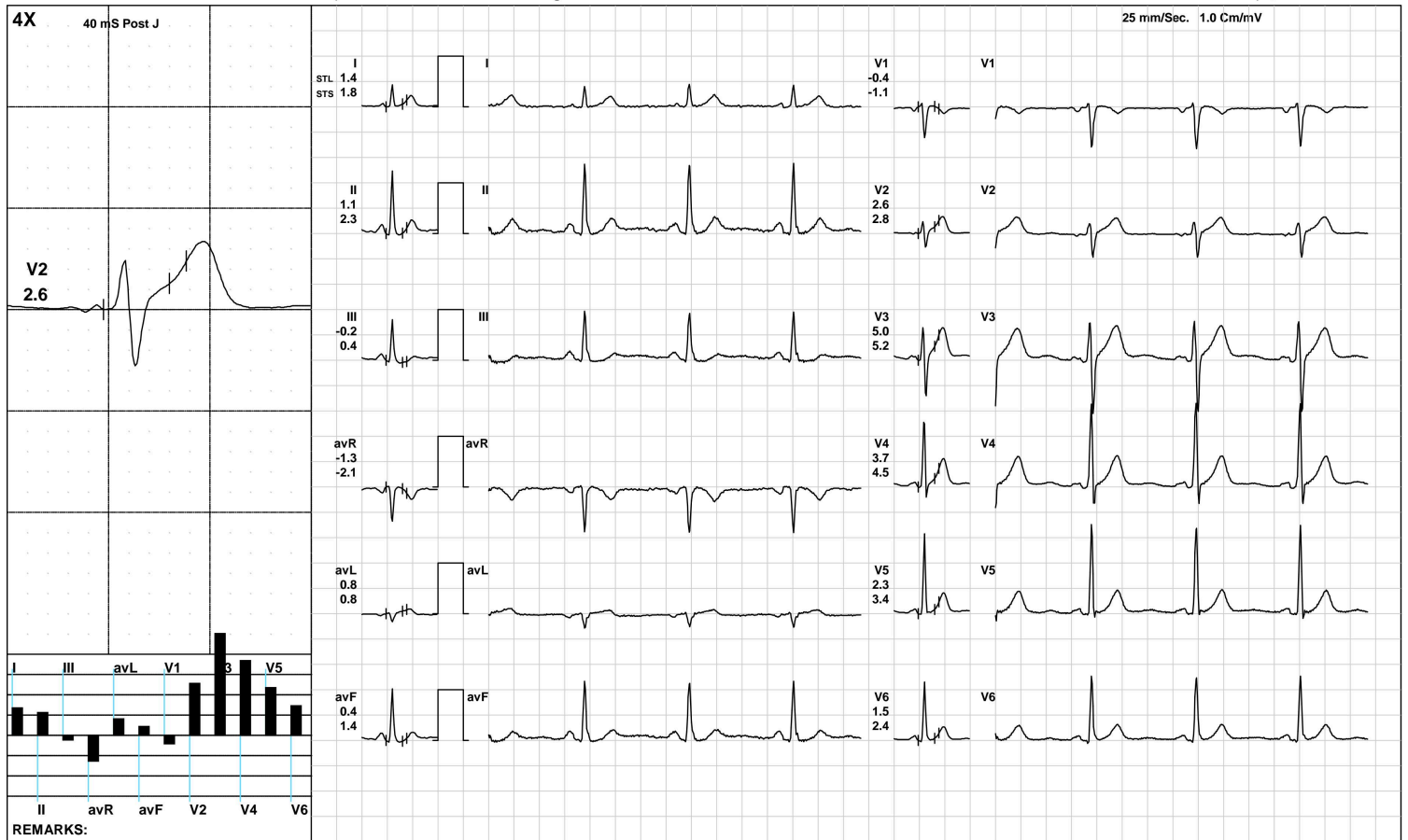
Standing



1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg / HR : 72

Date: 11-Mar-2023 11:36:09 AM METS: 1.0/ 72 bpm 38% of THR BP: 130/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:13 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

Aarogam Diagnostics

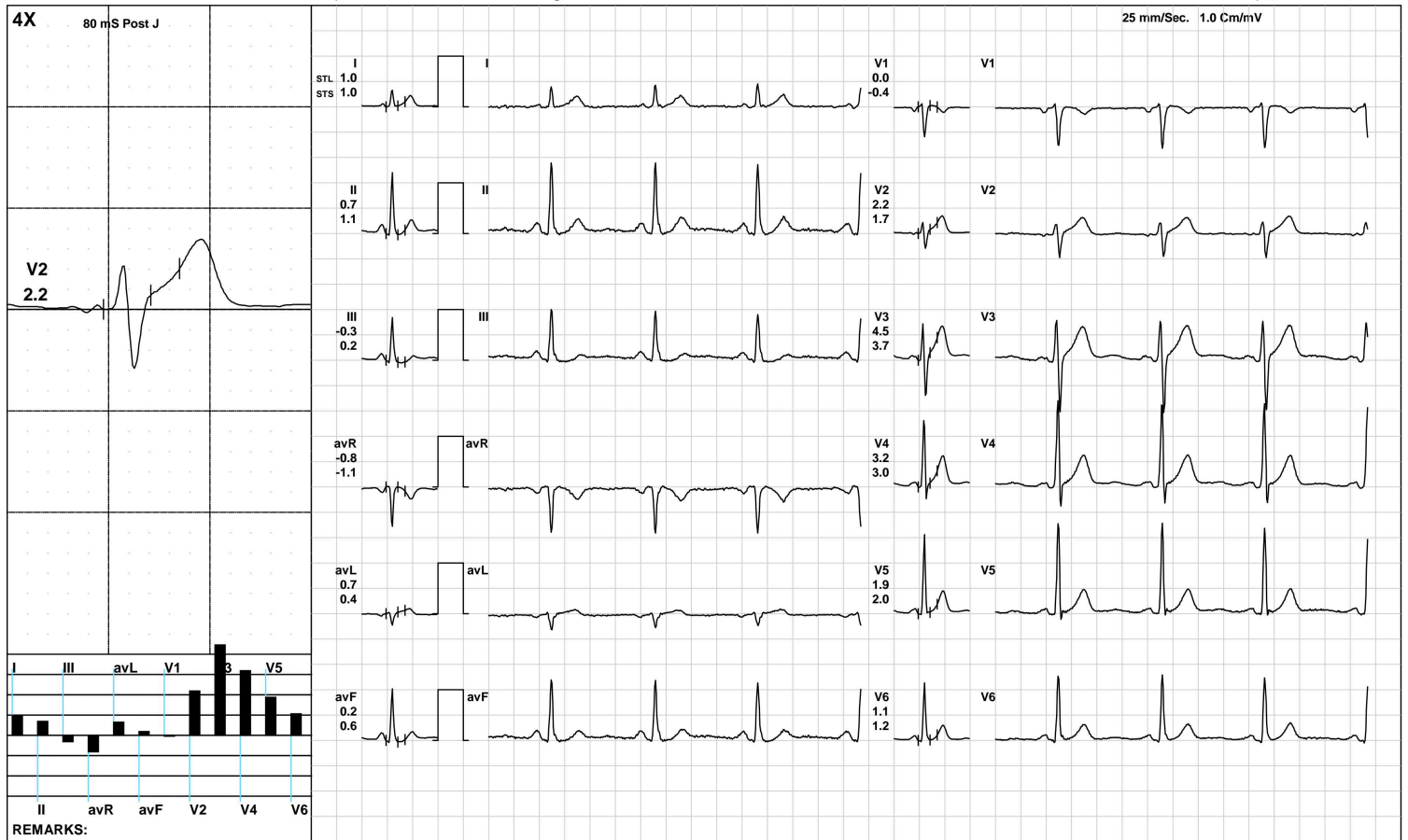
HV



1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg / HR : 72

Date: 11-Mar-2023 11:36:09 AM METS: 1.0/ 72 bpm 38% of THR BP: 130/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:20 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

Aarogam Diagnostics

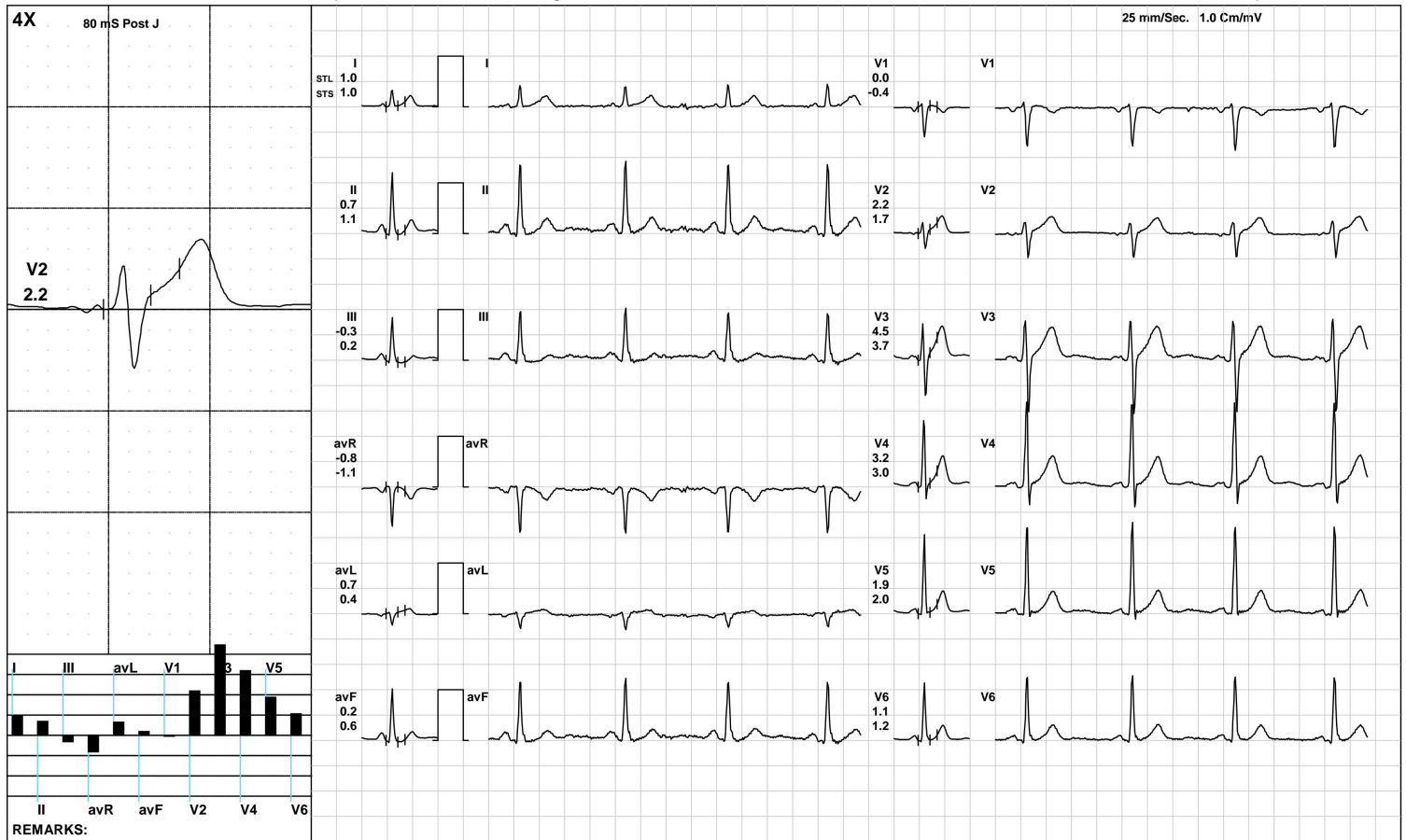
Warm Up



1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg / HR : 73

Date: 11-Mar-2023 11:36:09 AM METS: 1.0/ 73 bpm 39% of THR BP: 130/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:27 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

Aarogam Diagnostics

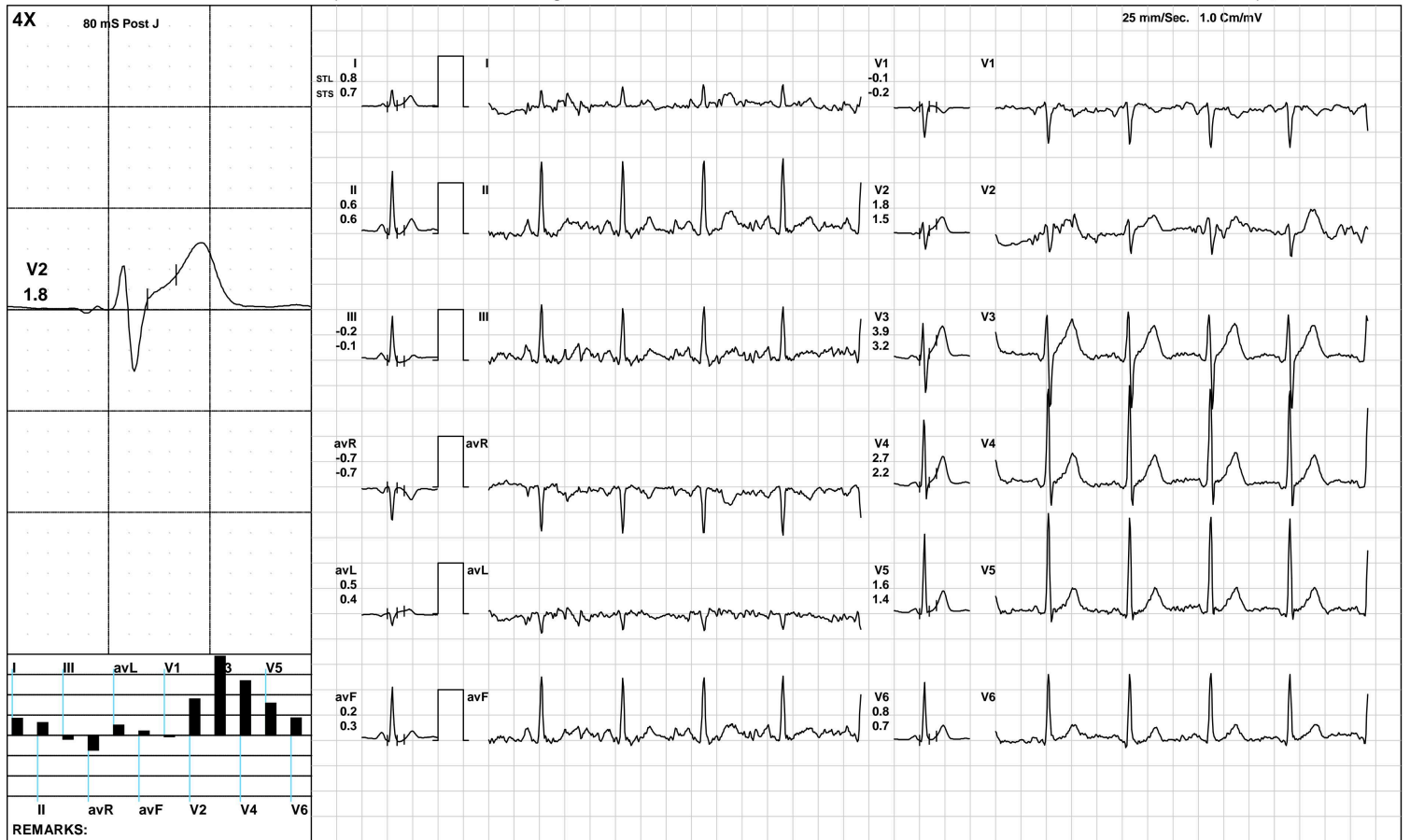
ExStart



1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg / HR : 90

Date: 11-Mar-2023 11:36:09 AM METS: 1.1/ 90 bpm 48% of THR BP: 130/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:06 1.7 mph, 10.0%



Aarogam Diagnostics

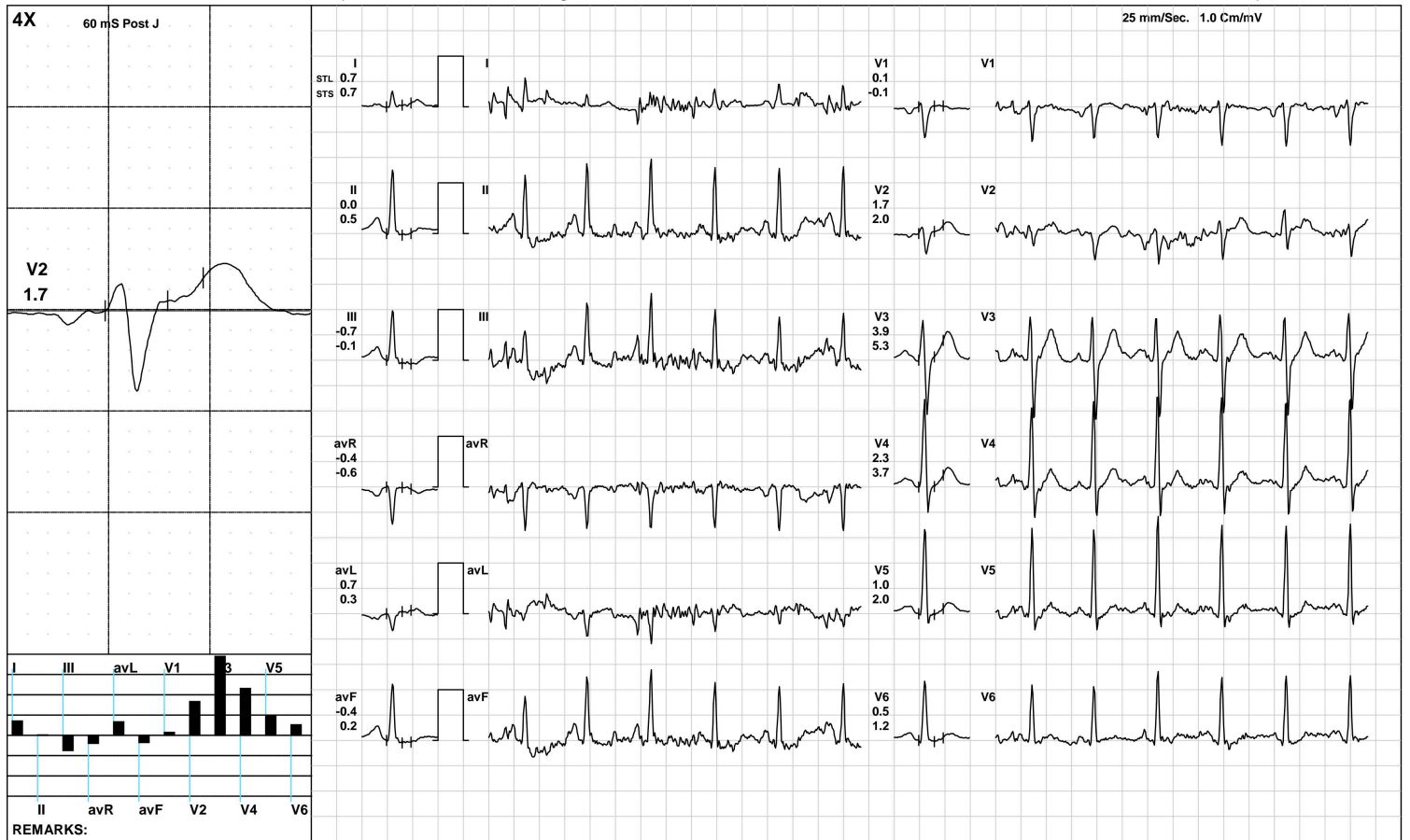
1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg / HR : 116

BRUCE/:Stage 1(3:00)



Date: 11-Mar-2023 11:36:09 AM METS: 4.7/ 116 bpm 62% of THR BP: 130/80 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

Aarogam Diagnostics

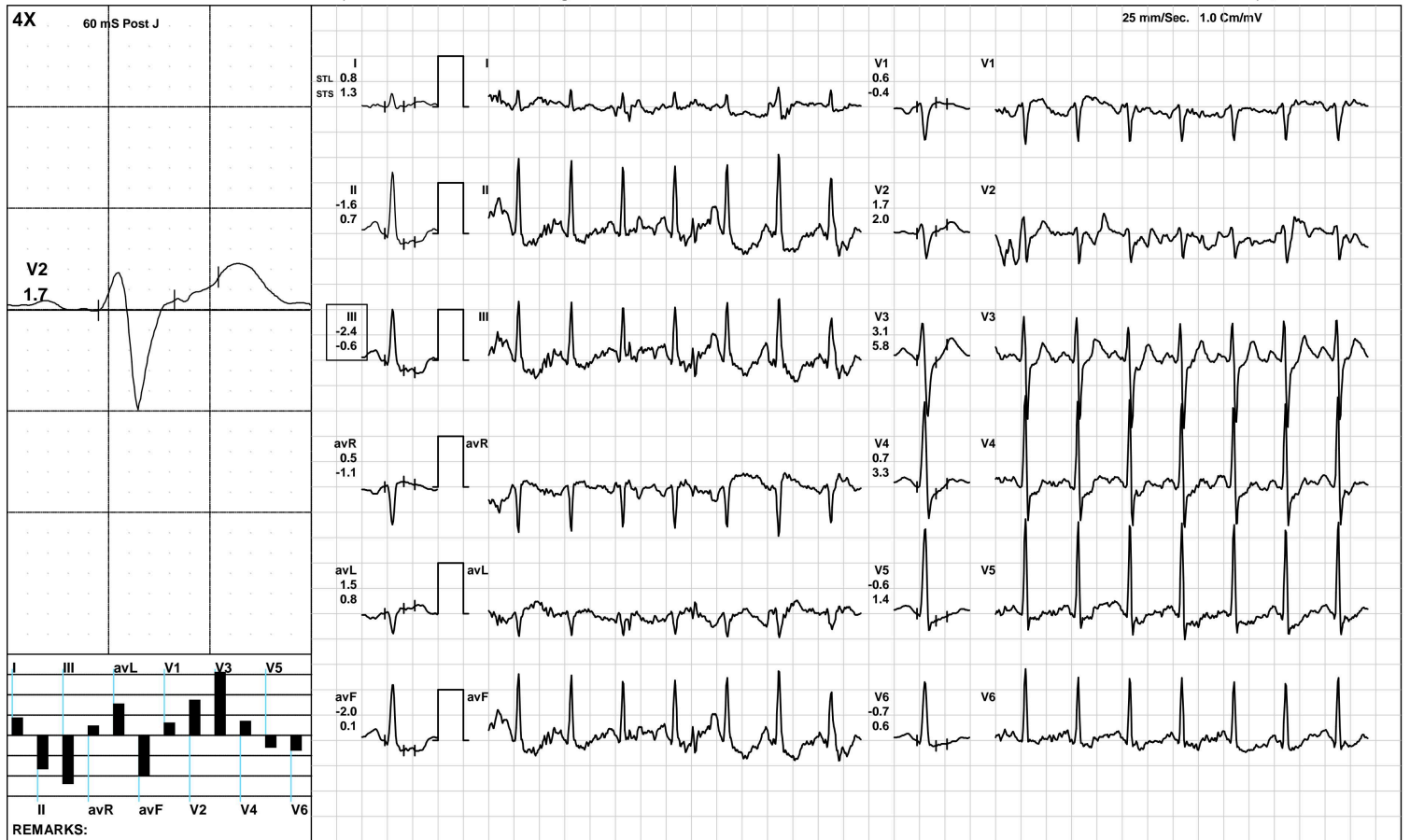
BRUCE/:Stage 2(3:00)



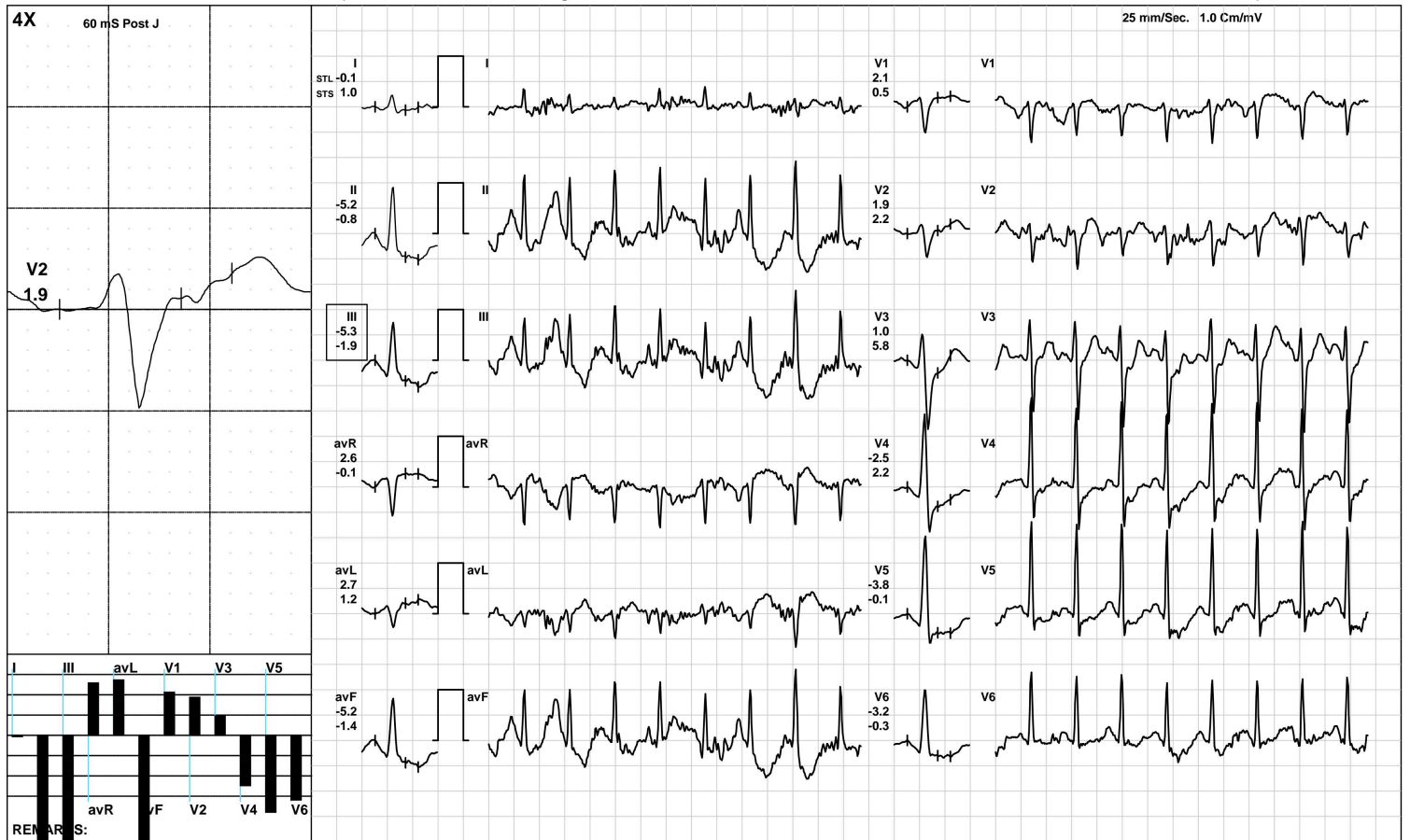
1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg / HR : 144

Date: 11-Mar-2023 11:36:09 AM METS: 7.1/ 144 bpm 77% of THR BP: 135/85 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



Aarogam Diagnostics

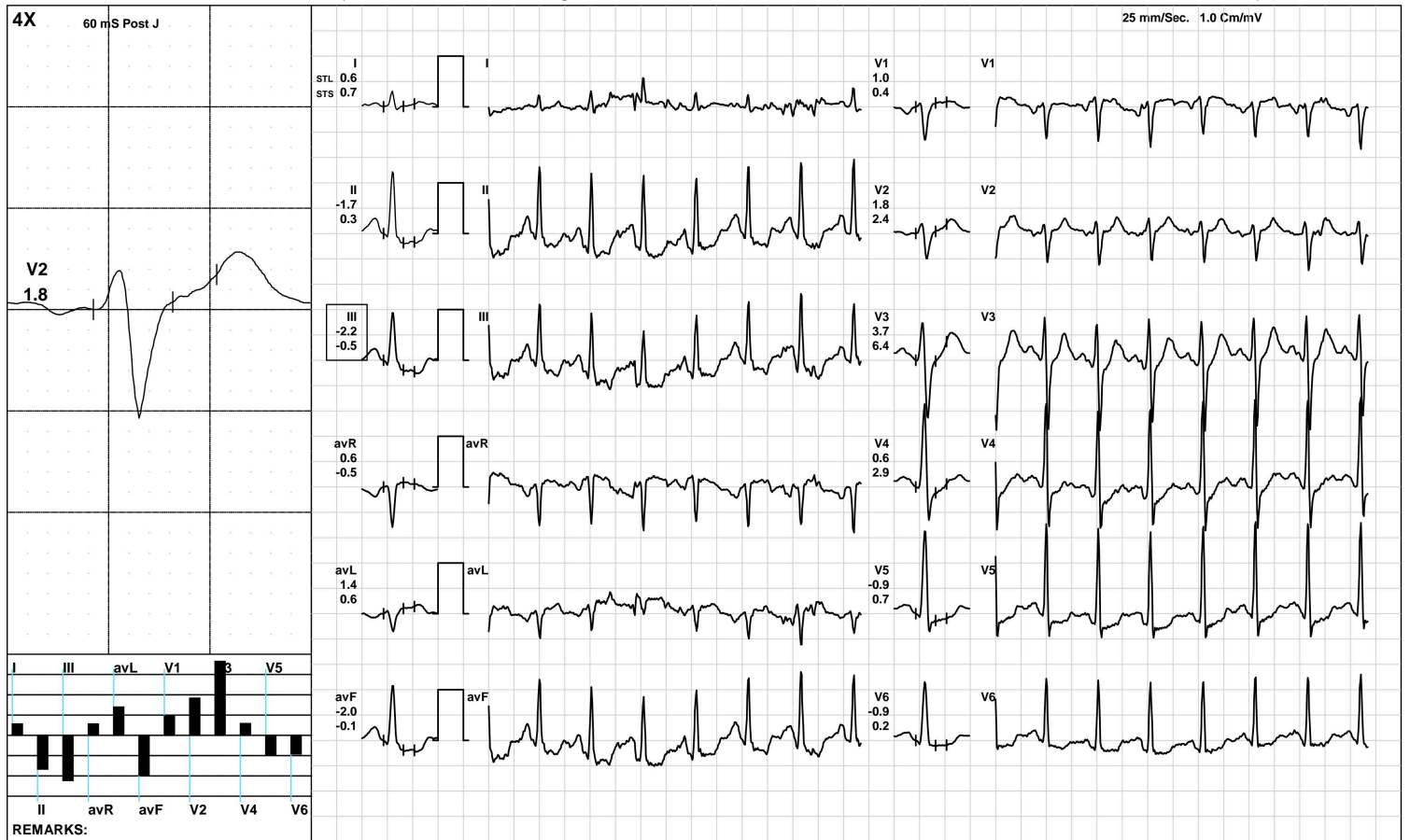
Recovery(1:00)



1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg / HR : 142

Date: 11-Mar-2023 11:36:09 AM METS: 1.2/ 142 bpm 76% of THR BP: 135/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 08:01 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

Aarogam Diagnostics

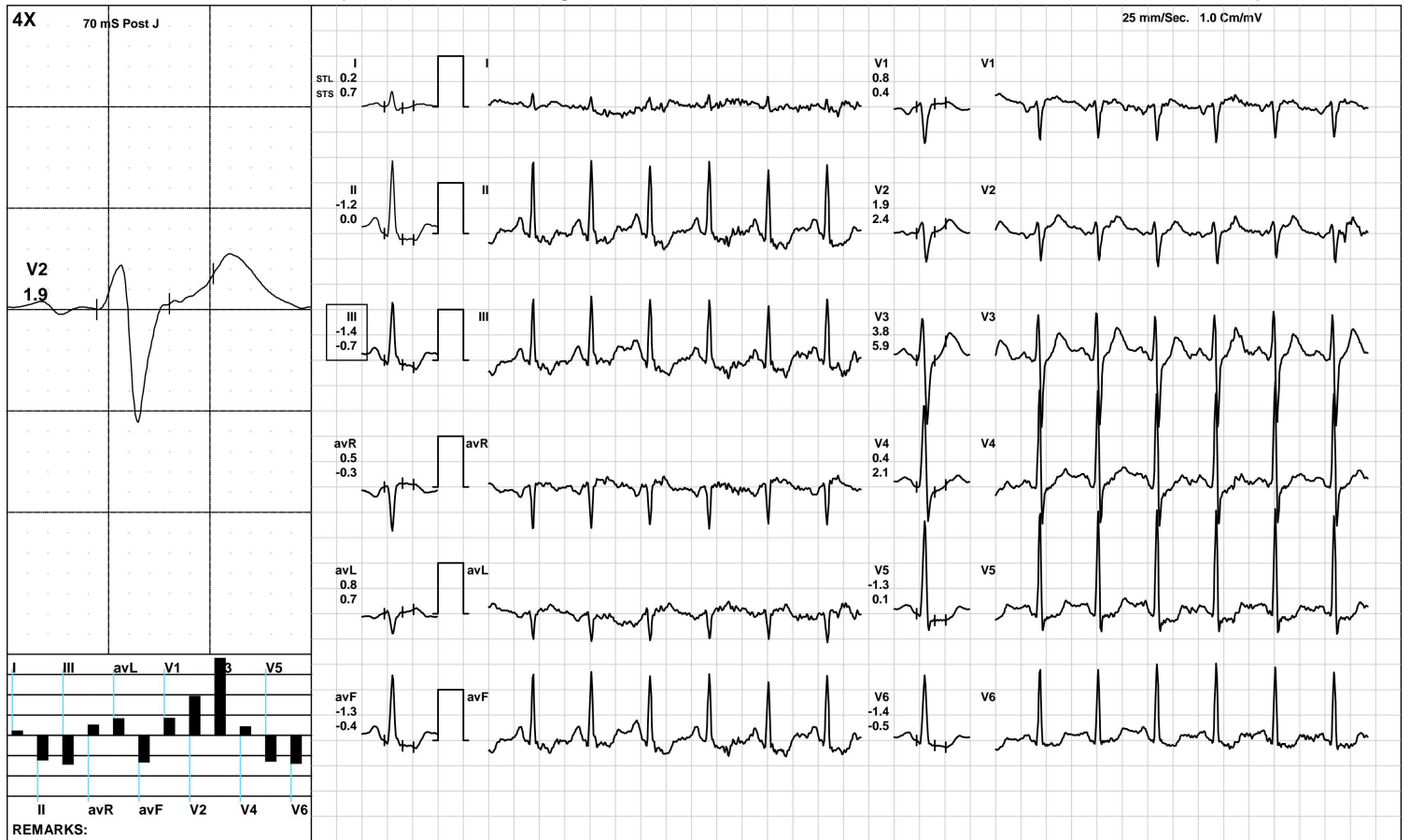
Recovery(2:00)



1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg / HR : 126

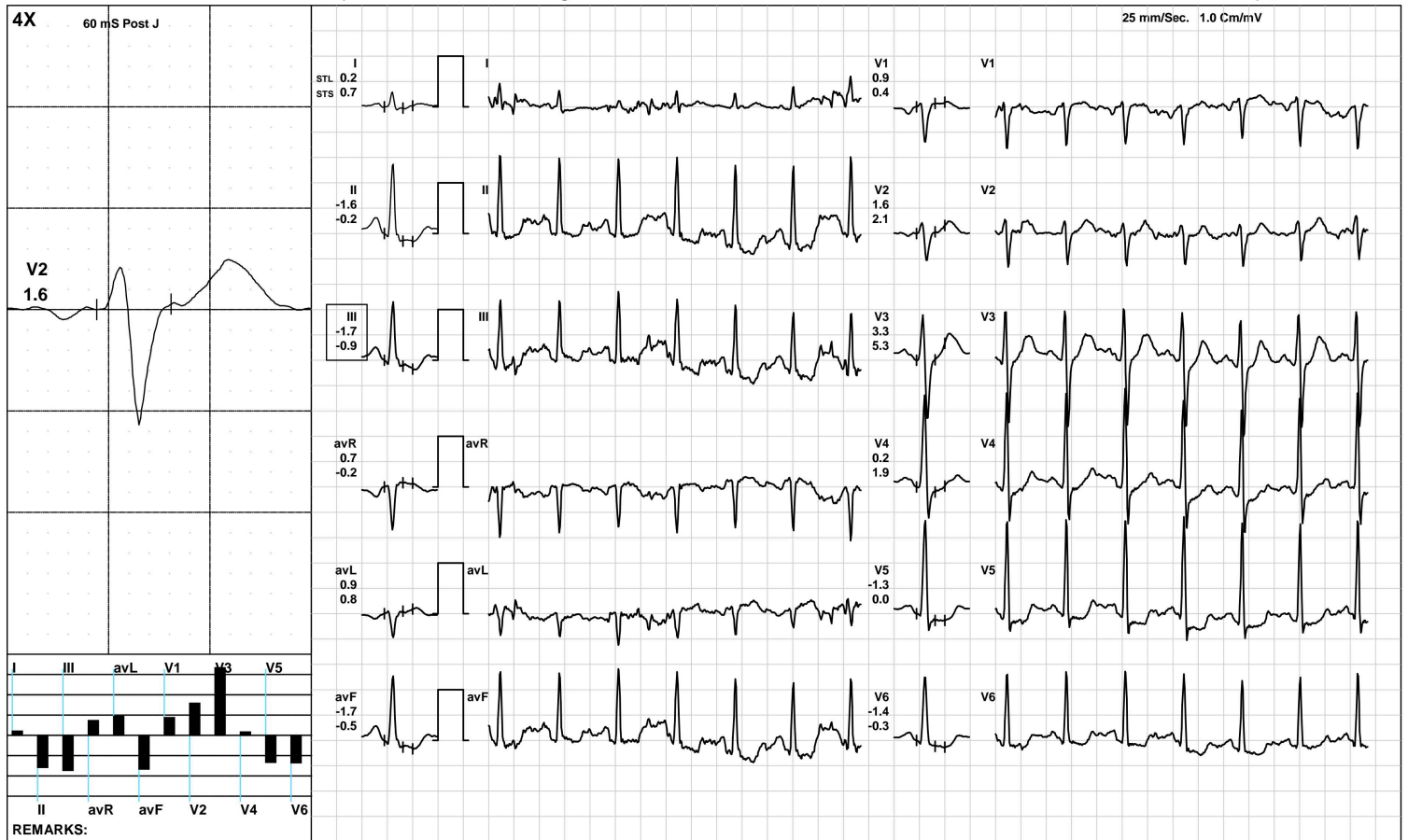
Date: 11-Mar-2023 11:36:09 AM METS: 1.0/ 126 bpm 67% of THR BP: 130/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 08:01 1.1 mph, 0.0%



REMARKS:

(GEM212170906)(R)Kardic by Allengers



Aarogyam Diagnostics

ST Measurements



1825 / PRAKASH RANJAN / 34 Yrs / M / 167 Cms / 70 Kg / HR : 70

Date: 11-Mar-2023 11:36:09 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	1.4	1.1	-0.2	-1.3	0.8	0.4	-0.4	2.6	5.0	3.7	2.3	1.5	1.8	2.3	0.4	-2.1	0.8	1.4	-1.1	2.8	5.2	4.5	3.4	2.4	
60 @mS Standing	1.4	1.1	-0.2	-1.3	0.8	0.4	-0.4	2.6	5.0	3.7	2.3	1.5	1.8	2.3	0.4	-2.1	0.8	1.4	-1.1	2.8	5.2	4.5	3.4	2.4	
HV	1.4	1.1	-0.2	-1.3	0.8	0.4	-0.4	2.6	5.0	3.7	2.3	1.5	1.8	2.3	0.4	-2.1	0.8	1.4	-1.1	2.8	5.2	4.5	3.4	2.4	
Warm Up	1.0	0.7	-0.3	-0.8	0.7	0.2	0.0	2.2	4.5	3.2	1.9	1.1	1.0	1.1	0.2	-1.1	0.4	0.6	-0.4	1.7	3.7	3.0	2.0	1.2	
ExStart	0.8	0.6	-0.2	-0.7	0.5	0.2	-0.1	1.8	3.9	2.7	1.6	0.8	0.7	0.6	-0.1	-0.7	0.4	0.3	-0.2	1.5	3.2	2.2	1.4	0.7	
Stage 1	0.7	0.0	-0.7	-0.4	0.7	-0.4	0.1	1.7	3.9	2.3	1.0	0.5	0.7	0.5	-0.1	-0.6	0.3	0.2	-0.1	2.0	5.3	3.7	2.0	1.2	
Stage 2	0.8	-1.6	-2.4	0.5	1.5	-2.0	0.6	1.7	3.1	0.7	-0.6	-0.7	1.3	0.7	-0.6	-1.1	0.8	0.1	-0.4	2.0	5.8	3.3	1.4	0.6	
PeakEx	-0.1	-5.2	-5.3	2.6	2.7	-5.2	2.1	1.9	1.0	-2.5	-3.8	-3.2	1.0	-0.8	-1.9	-0.1	1.2	-1.4	0.5	2.2	5.8	2.2	-0.1	-0.3	
Recovery	0.6	-1.7	-2.2	0.6	1.4	-2.0	1.0	1.8	3.7	0.6	-0.9	-0.9	0.7	0.3	-0.5	-0.5	0.6	-0.1	0.4	2.4	6.4	2.9	0.7	0.2	
Recovery	0.2	-1.2	-1.4	0.5	0.8	-1.3	0.8	1.9	3.8	0.4	-1.3	-1.4	0.7	0.0	-0.7	-0.3	0.7	-0.4	0.4	2.4	5.9	2.1	0.1	-0.5	
Recovery	0.2	-1.6	-1.7	0.7	0.9	-1.7	0.9	1.6	3.3	0.2	-1.3	-1.4	0.7	-0.2	-0.9	-0.2	0.8	-0.5	0.4	2.1	5.3	1.9	0.0	-0.3	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	
STI(μVs)													
Supine		6.1	5.5	-0.6	-5.9	3.3	2.5	-2.3	11.1	21.6	16.5	10.9	6.7
Standing		6.1	5.5	-0.6	-5.9	3.3	2.5	-2.3	11.1	21.6	16.5	10.9	6.7
HV		6.1	5.5	-0.6	-5.9	3.3	2.5	-2.3	11.1	21.6	16.5	10.9	6.7
Warm Up		9.4	9.4	-0.1	-9.1	4.8	4.6	-2.6	17.3	35.2	28.6	18.9	11.5
ExStart		9.2	9.5	0.3	-9.3	4.4	4.9	-3.0	16.3	34.1	27.2	18.3	11.0
Stage 1		3.3	0.1	-3.5	-1.8	2.9	-1.8	1.0	6.9	17.1	9.8	4.1	2.1
Stage 2		2.4	-10.0	-11.7	4.3	6.8	-10.7	4.4	6.0	7.8	-1.4	-5.4	-4.6
PeakEx		-3.0	-28.1	-25.8	15.2	12.6	-26.9	11.1	6.1	-7.5	-19.5	-22.5	-18.5
Recovery		1.9	-10.7	-12.7	4.4	7.3	-11.8	5.2	6.8	9.9	-2.1	-7.1	-5.8
Recovery		-0.1	-7.6	-7.4	3.9	3.7	-7.5	4.6	7.4	12.8	-1.3	-8.3	-7.7
Recovery		-0.1	-8.2	-7.8	4.3	3.7	-7.9	4.4	5.5	11.6	-1.6	-7.7	-7.4



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	100	214	80	68	437	240	1878	-966	696	-61	III	-79	0.00	0	0
01:00	103	116	82	72	420	219	1834	-1021	602	-137	III	-156	0.00	0	0
01:30	112	128	76	72	440	254	1800	-1022	545	-107	III	-120	0.00	0	0
02:00	113	168	78	76	293	309	1822	-1055	554	-76	III	-78	0.00	0	0
02:30	120	168	82	76	461	275	1808	-1089	541	-94	III	-102	0.00	0	0
03:00	117	124	84	73	424	307	1779	-1113	556	-110	III	-123	0.00	0	0
03:30	127	104	62	73	447	316	1899	-1111	562	26	III	-125	0.00	0	0
04:00	136	138	70	77	422	319	1808	-1166	418	-90	III	-196	0.00	0	0
04:30	136	66	70	72	450	268	1755	-1175	416	-162	III	-189	0.00	0	0
05:00	144	120	70	73	295	324	1715	-1200	445	-106	III	-199	0.00	0	0
05:30	142	118	68	75	442	331	1776	-1212	407	-125	III	-174	0.00	0	0
06:00	141	128	70	77	444	297	1762	-1216	433	-132	III	-194	0.00	0	0
06:30	149	118	70	79	302	337	1840	-1270	407	-130	III	-213	0.00	0	0
07:00	155	118	70	79	433	287	1774	-1281	329	-141	III	-308	0.00	0	0
07:30	160	102	68	75	385	326	1691	-1266	-395	-154	II	-291	0.00	0	0
08:00	164	112	68	77	313	288	1738	-1286	362	-272	V5	-271	0.00	0	0
08:30	152	112	68	106	419	947	1454	-1236	788	-389	avL	-358	0.00	0	0
09:00	145	120	70	73	289	320	1748	-1241	521	-184	III	-235	0.00	0	0
09:30	135	122	70	78	291	313	1820	-1287	564	-166	II	-213	0.00	0	0
10:00	129	116	72	78	453	348	1851	-1322	536	-91	V6	-136	0.00	0	0



ISO 9001 : 2015

AAROGYAM DIAGNOSTICS

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

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Date	11/03/2023	Srl No.	22	Patient Id	2303110022
Name	Mr. PRAKASH RANJAN	Age	34 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	5.1	%	

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	11/03/2023	Srl No. 22	Patient Id 2303110022
Name	Mr. PRAKASH RANJAN	Age 34 Yrs.	Sex M
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	14.0	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	6,400	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	60	%	40 - 75
LYMPHOCYTE	34	%	20 - 45
EOSINOPHIL	02	%	01 - 06
MONOCYTE	04	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN's METHOD)	13	mm/1st hr.	0 - 15
R B C COUNT	4.69	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	42.3	%	40 - 54
M C V	90.19	fl.	80 - 100
M C H	29.85	Picogram	27.0 - 31.0
M C H C	33.1	gm/dl	33 - 37
PLATELET COUNT	2.45	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"O"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	80.2	mg/dl	70 - 110
SERUM CREATININE	1.15	mg%	0.7 - 1.4
BLOOD UREA	25.6	mg /dl	15.0 - 45.0
SERUM URIC ACID	4.9	mg%	3.4 - 7.0
<u>LIVER FUNCTION TEST (LFT)</u>			



Date	11/03/2023	Srl No.	22	Patient Id	2303110022
Name	Mr. PRAKASH RANJAN	Age	34 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)	0.28	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.41	mg/dl	0.00 - 0.70
TOTAL PROTEIN	6.7	gm/dl	6.6 - 8.3
ALBUMIN	3.4	gm/dl	3.4 - 5.2
GLOBULIN	3.3	gm/dl	2.3 - 3.5
A/G RATIO	1.03		
SGOT	40.1	IU/L	5 - 40
SGPT	44.5	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	89.6	U/L	40.0 - 130.0
GAMMA GT	23.8	IU/L	8.0 - 71.0

LFT INTERPRET

LIPID PROFILE

TRIGLYCERIDES	96.8	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	138.5	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	53.1	mg/dL	35.1 - 88.0
V L D L	19.36	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	66.04	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	2.608		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.244		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



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	11/03/2023	Srl No.	22	Patient Id	2303110022
Name	Mr. PRAKASH RANJAN	Age	34 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.015		
PH	6.5		
ALBUMIN	NIL		
SUGAR	NIL		
MICROSCOPIC EXAMINATION			
PUS CELLS	2-4	/HPF	
RBC'S	NIL	/HPF	
CASTS	NIL		
CRYSTALS	NIL		
EPITHELIAL CELLS	1-3	/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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Name	Mr. PRAKASH RANJAN	Age	34 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-3319

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Landline No: 033-40818800/ 8888/ 8899 | Email ID: kolkata@unipath.in | Website: www.unipath.in
CIN : U85195GJ2009PLC057059



30304100158

TEST REPORT

Reg.No : 30304100158	Reg.Date : 12-Mar-2023 10:46	Collection : 12-Mar-2023 10:46
Name : MR. PRAKASH RANJAN		Received : 12-Mar-2023 10:46
Age : 34 Years	Sex : Male	Report : 12-Mar-2023 14:39
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 12-Mar-2023 14:59
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID PROFILE			
Tri-iodothyronine (Total T3) <i>Method:CLIA</i>	1.07	ng/mL	0.60 - 1.81
Thyroxin (Total T4) <i>Method:CLIA</i>	9.90	µg/dL	4.5 - 12.6
Thyroid Stimulating Hormone (TSH.) <i>Method:CLIA</i> Ultra Sensitive	2.445	µIU/mL	0.55 - 4.78

Sample Type: Serum**Note:****TSH Reference Range in Pregnancy :**

- Pregnancy 1st Trimester 0.1 - 2.5 uIU/ml
- Pregnancy 2nd Trimester 0.2 - 3.0 uIU/ml
- Pregnancy 3rd Trimester 0.3 - 3.0 uIU/ml

- TSH levels are subject to circadian variation, reaching peak levels between 2 - 4.a.m. and at a minimum between 6-10 pm. The variation is of the order of 50 %. Hence time of the day has an influence on the measured serum TSH concentrations.
- Recommended test for T3 and T4 is unbound fraction or free levels as it is metabolically active.
- The physiological rise in Total T3 / T4 levels is seen in pregnancy and in patients on steroid therapy.
- All infants with a low T4 concentration and a TSH concentration greater than 40 uIU/L are considered to have congenital hypothyroidism and should have immediate confirmatory serum testing.
- If the TSH concentration is slightly elevated but less than 40 uIU/L, a second screening test should be performed on a new sample. Results should be interpreted using age-appropriate normative values

Clinical Use:

- Primary Hypothyroidism · Hyperthyroidism · Hypothalamic -Pituitary hypothyroidism · Inappropriate TSH secretion · Nonthyroidal illness· Autoimmune thyroid disease · Pregnancy-associated thyroid disorders · Thyroid dysfunction in infancy and early childhood

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

Dr. Abhishek Mukherjee

MBBS,MD (PATHOLOGY)
LABORATORY DIRECTOR
59390 (WBMC)