

Government of India  
मनीष कुमार  
Manish Kumar  
जन्म तिथि / DOB 09/12/1986  
प्रा. / Mar.

37 Age

8236 7492 6152

राम आदर्श अर्थिक

Manish Kumar



02.07.2023 10:57:11 AM

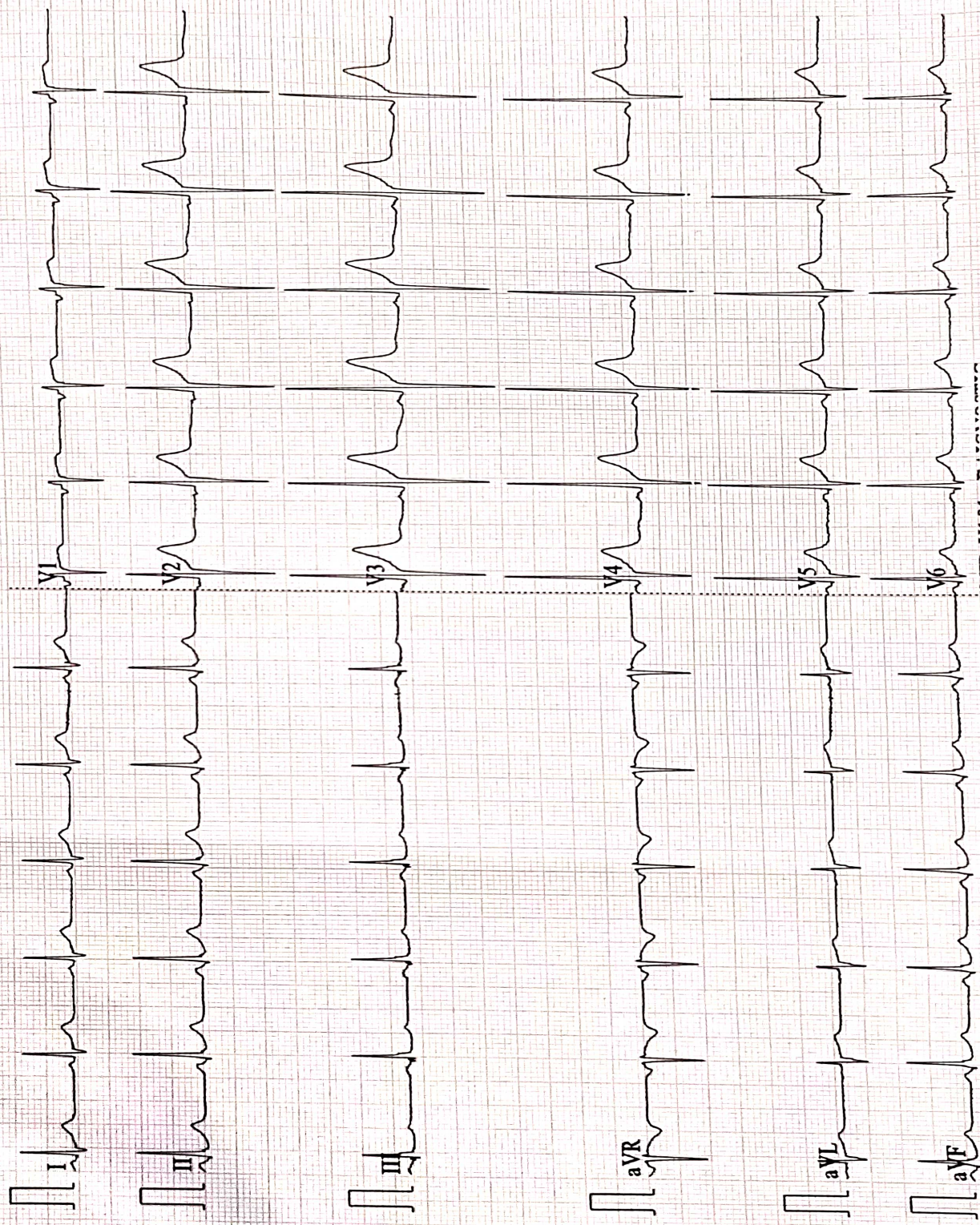
ID: 002

**MANISH KUMAR**  
Male 37Years

**Diagnosis Information:**  
Sinus Rhythm  
Largd PtfV1  
Short PR Interval

HR : 72 bpm  
P : 89 ms  
PR : 110 ms  
QRS : 84 ms  
QT/QTc : 352/386 ms  
PQRST : 56/64/45 °  
RV5SV1 : 1.793/0.718 mV

Ref-Phys. :  
Report Confirmed by:





**AAROGYAM DIAGNOSTICS**  
**PATNA**

**Report**



(GEM212170906)(R)Kardic by Allengers

2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg Date: 02-Jul-2023 Technician : ARUN

Stage	Time	Duration	Belt Speed (mph)	Elevation	METs	Rate	% THR Achieved	BP	RPP	PVC	Comments
Supine	00:05	0:01	00.0	00.0	01.0	71	39 %	110/80	078	00	
Standing	00:31	0:01	00.0	00.0	01.0	77	42 %	110/80	084	00	
HV	00:45	0:01	00.0	00.0	01.0	078	43 %	110/80	085	00	
Warm Up	00:59	0:01	01.0	00.0	01.0	084	46 %	110/80	092	00	
ExStart	01:20	0:06	01.7	10.0	01.1	097	53 %	110/80	106	00	
BRUCE/ Stage 1	04:20	3:00	01.7	10.0	04.7	120	66 %	115/85	138	00	
BRUCE/ Stage 2	07:20	3:00	02.5	12.0	07.1	125	68 %	120/90	150	00	
BRUCE/ Stage 3	10:20	3:00	03.4	14.0	10.2	151	83 %	125/95	188	00	
PeakEx	10:47	0:27	04.2	16.0	10.7	163	89 %	125/95	203	00	
Recovery	11:46	1:00	01.1	00.0	04.3	141	77 %	120/90	169	00	
Recovery	12:46	2:00	01.1	00.0	01.0	124	68 %	115/85	142	00	
Recovery	14:15	3:28	01.1	00.0	01.0	118	64 %	110/80	129	00	

**Findings :**

Exercise Time : 09:28  
Max HR Attained : 190 bpm 104% of Target 183  
Max BP Attained : (Sys) 125/95  
Max WorkLoad Attained : 10.7 Good response to induced stress  
Max ST Dep Lead & Value : II & -3.1 mm in PeakEx mm  
Test End Reasons : Test Complete

**Report :**

**AAROGYAM DIAGNOSTICS**

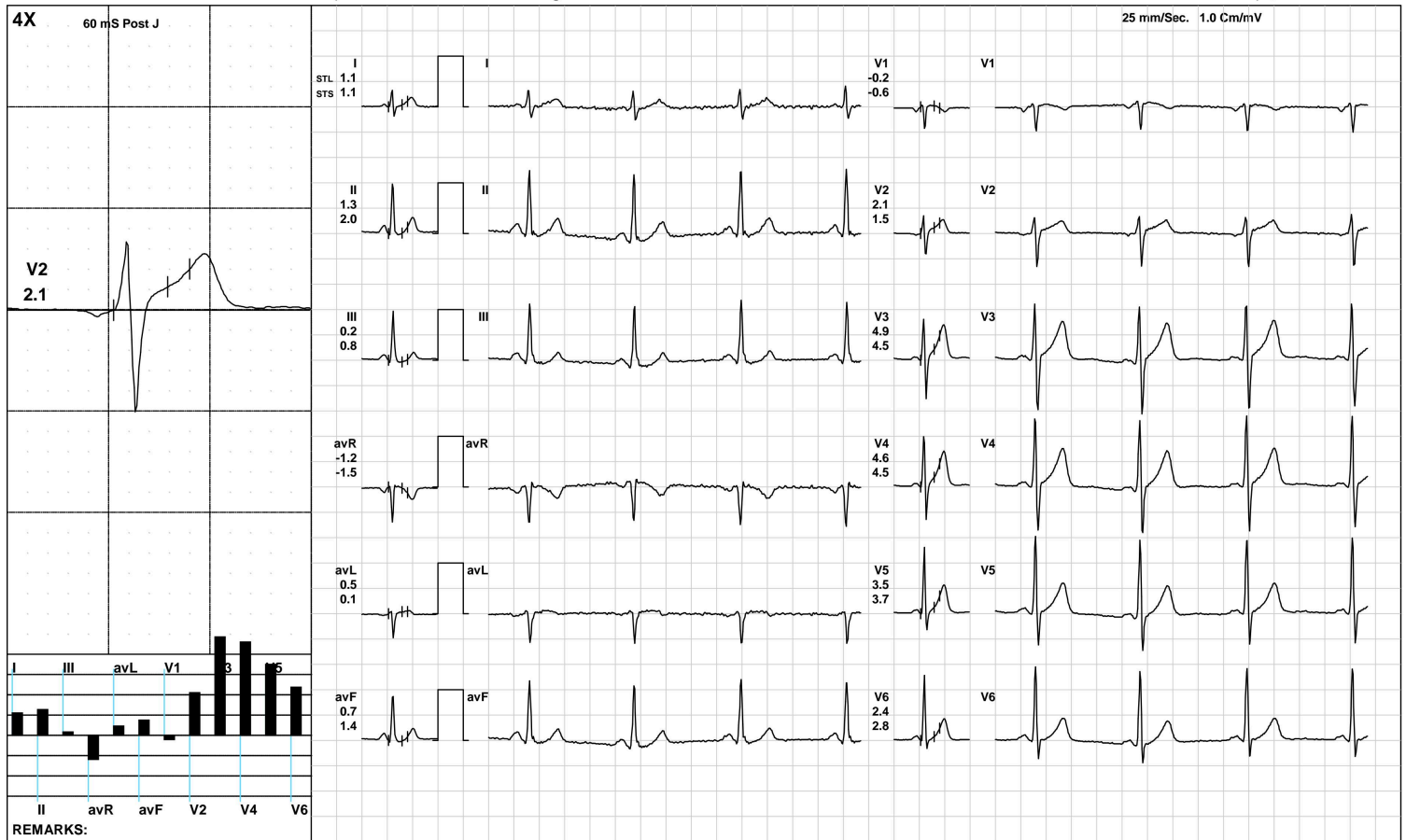
Supine



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 71

Date: 02-Jul-2023 11:08:59 AM METS: 1.0/ 71 bpm 38% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:05 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers



**AAROGYAM DIAGNOSTICS**

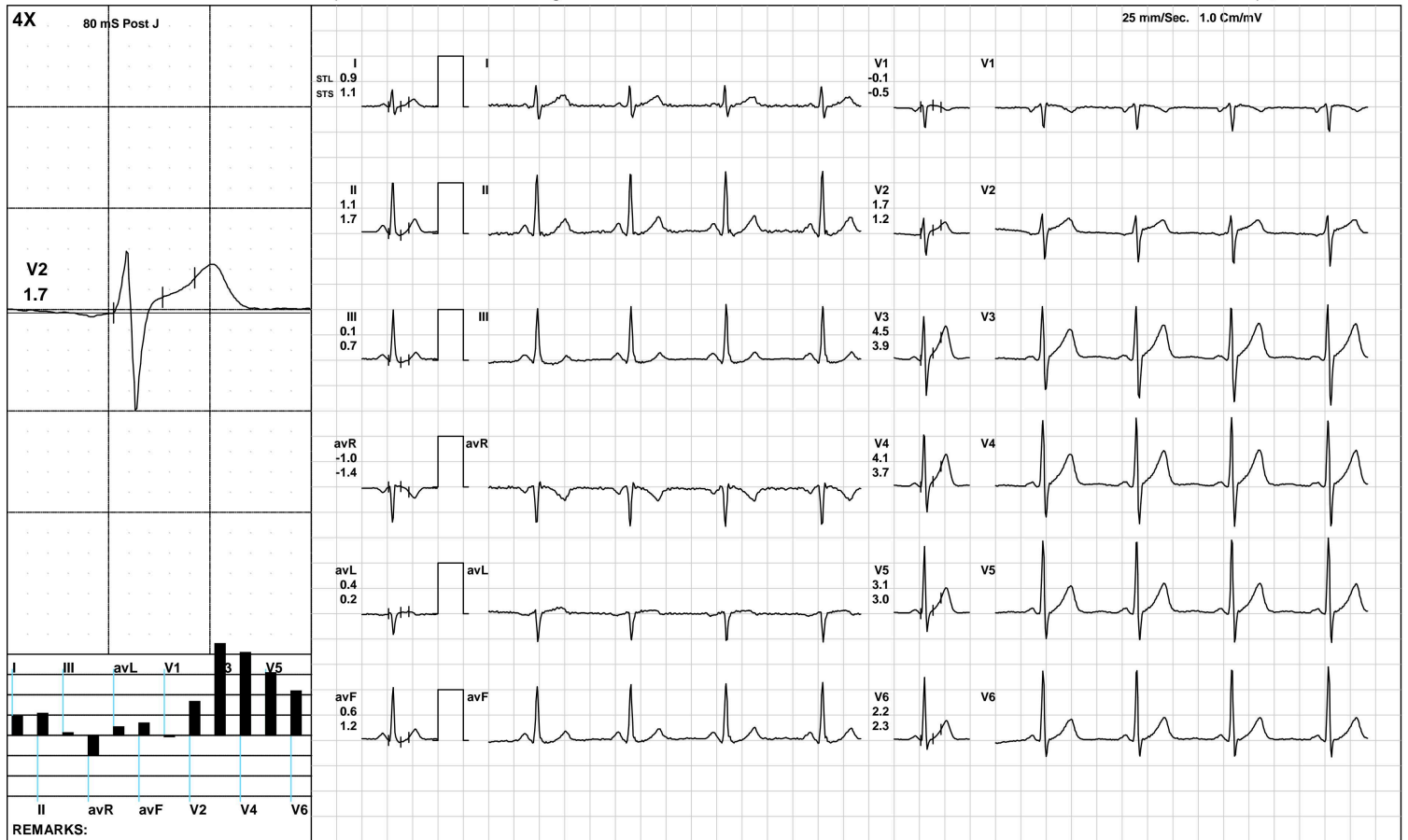
Standing



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 77

Date: 02-Jul-2023 11:08:59 AM METS: 1.0/ 77 bpm 42% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:31 0.0 mph, 0.0%



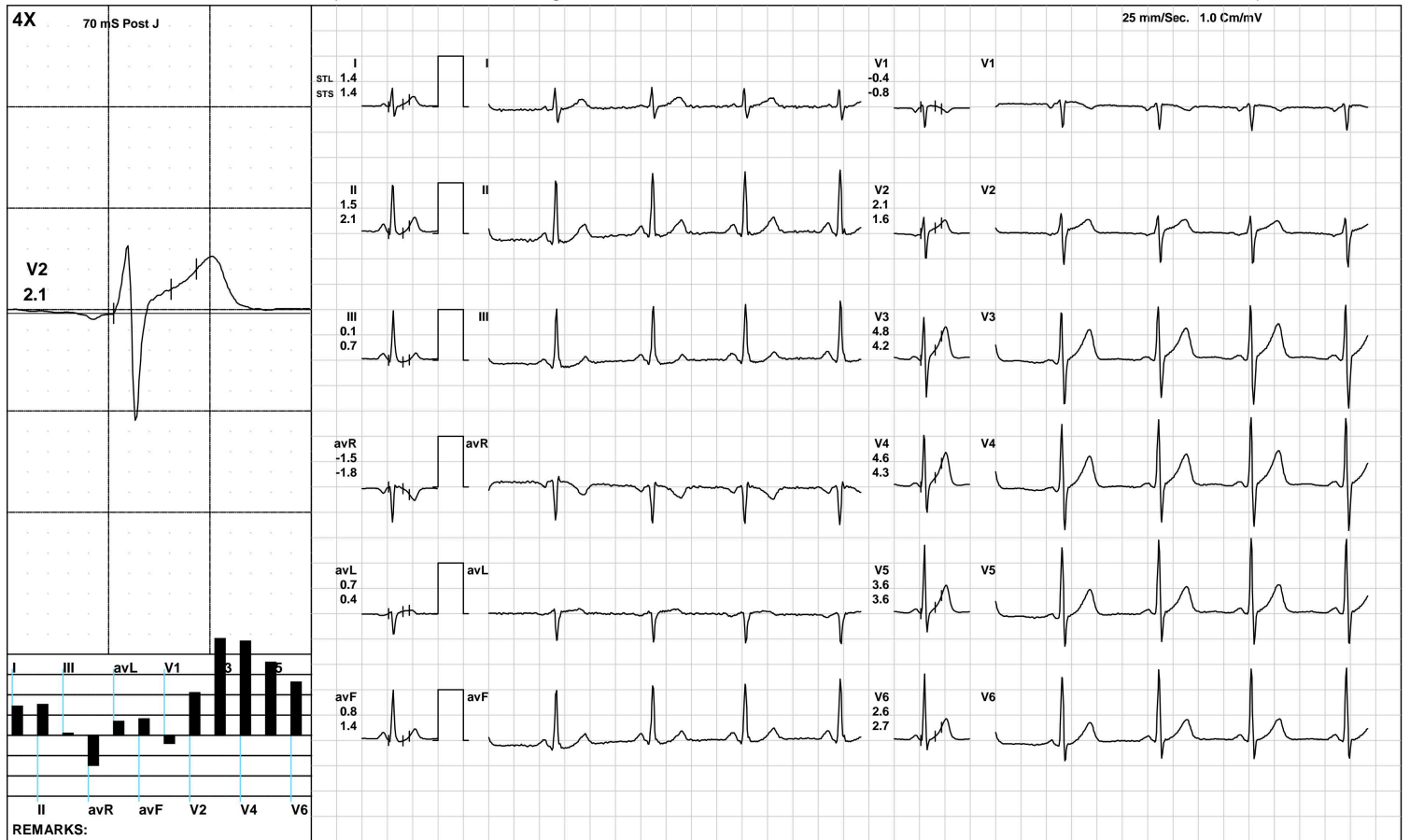
**AAROGYAM DIAGNOSTICS**



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 78

Date: 02-Jul-2023 11:08:59 AM METS: 1.0/ 78 bpm 42% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:45 0.0 mph, 0.0%





**AAROGYAM DIAGNOSTICS**

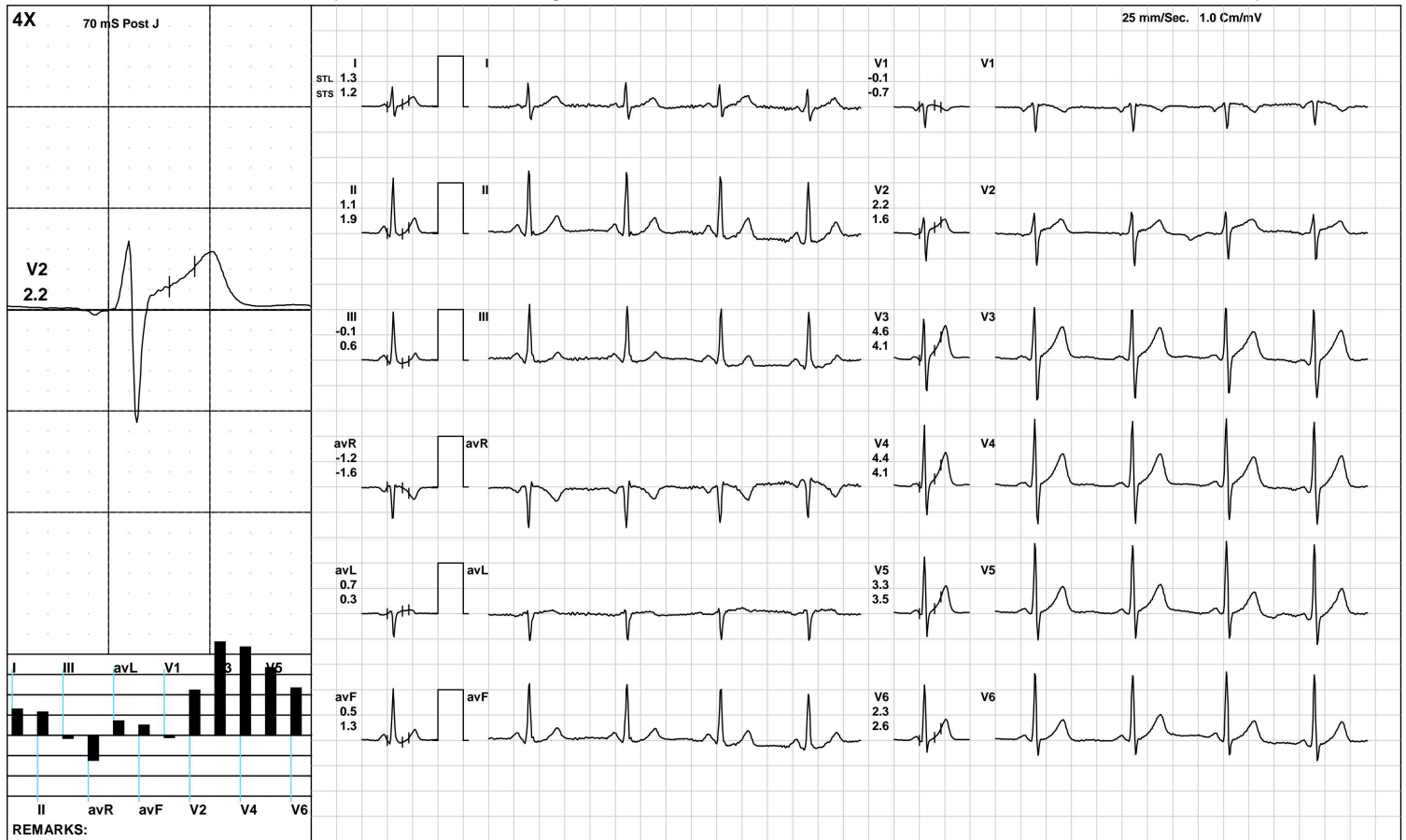
Warm Up



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 84

Date: 02-Jul-2023 11:08:59 AM METS: 1.0/ 84 bpm 45% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:59 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers





**AAROGYAM DIAGNOSTICS**

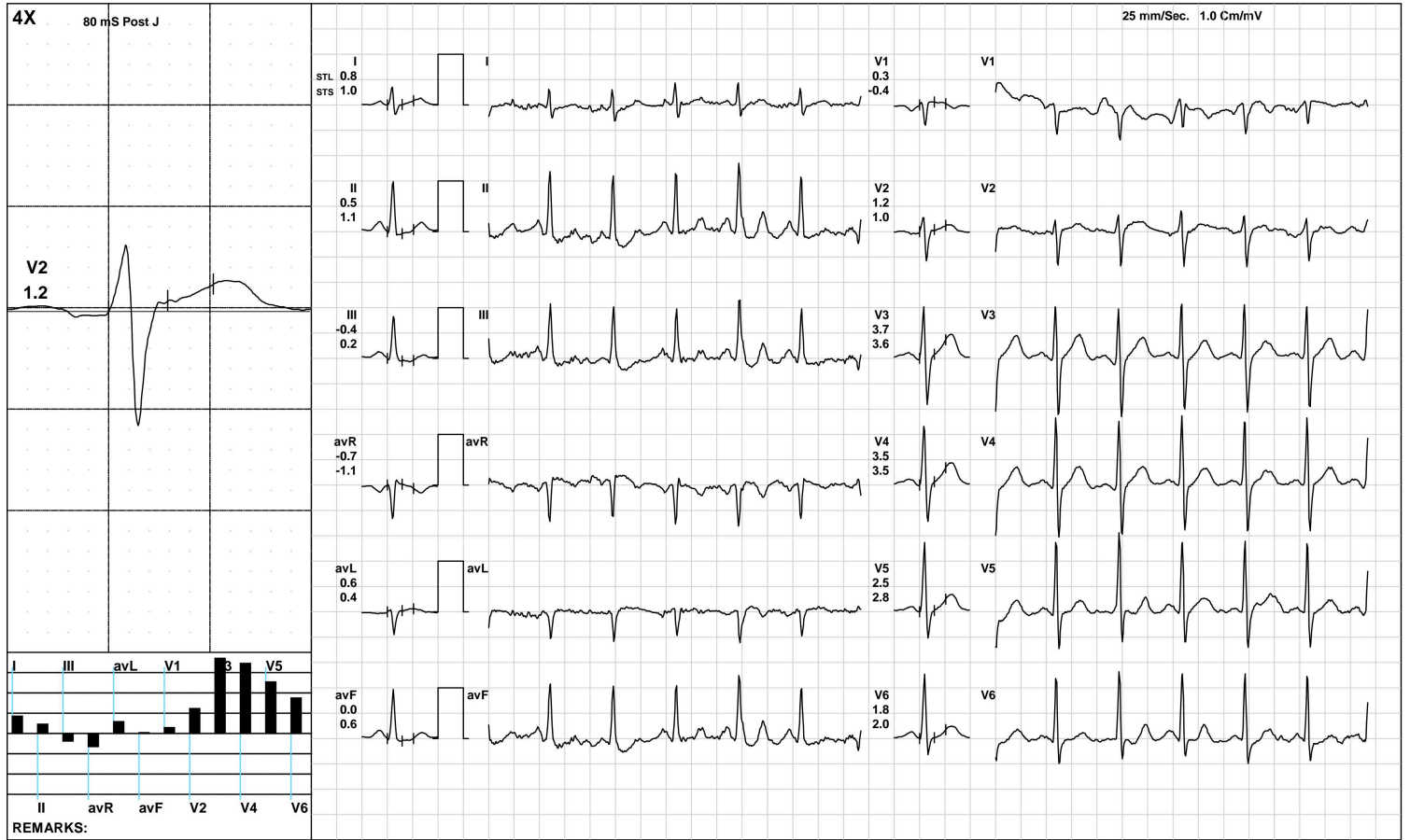
**BRUCE/Stage 1(3:00)**



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 120

Date: 02-Jul-2023 11:08:59 AM METS: 4.7/ 120 bpm 65% 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%



**AAROGYAM DIAGNOSTICS**

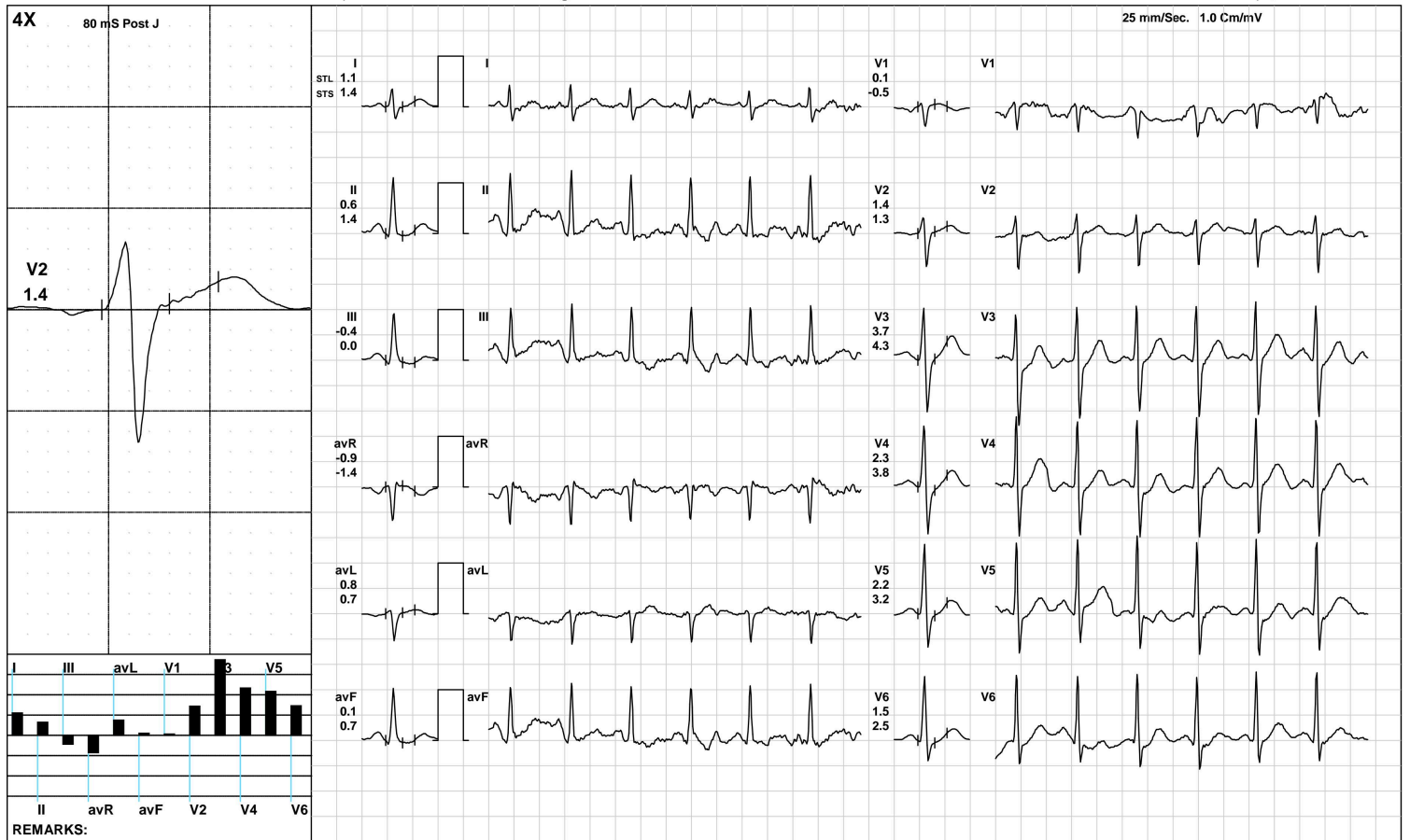
**BRUCE/Stage 2(3:00)**



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 125

Date: 02-Jul-2023 11:08:59 AM METS: 7.1/ 125 bpm 68% 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**

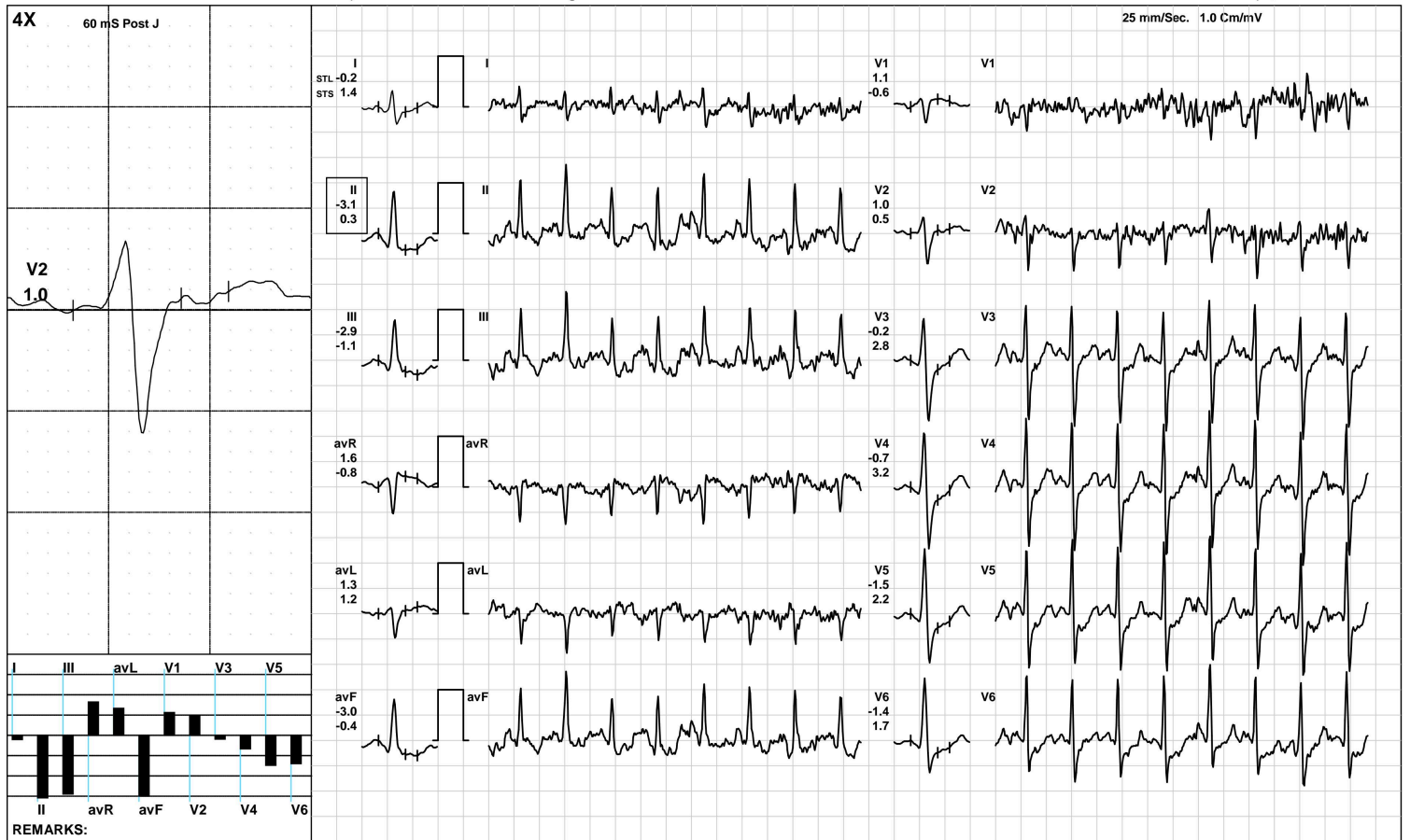
PeakEx



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 163

Date: 02-Jul-2023 11:08:59 AM METS: 10.7/ 163 bpm 89% of THR BP: 125/95 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:27 4.2 mph, 16.0%



(GEM212170906)(R)Kardic by Allengers



**AAROGYAM DIAGNOSTICS**

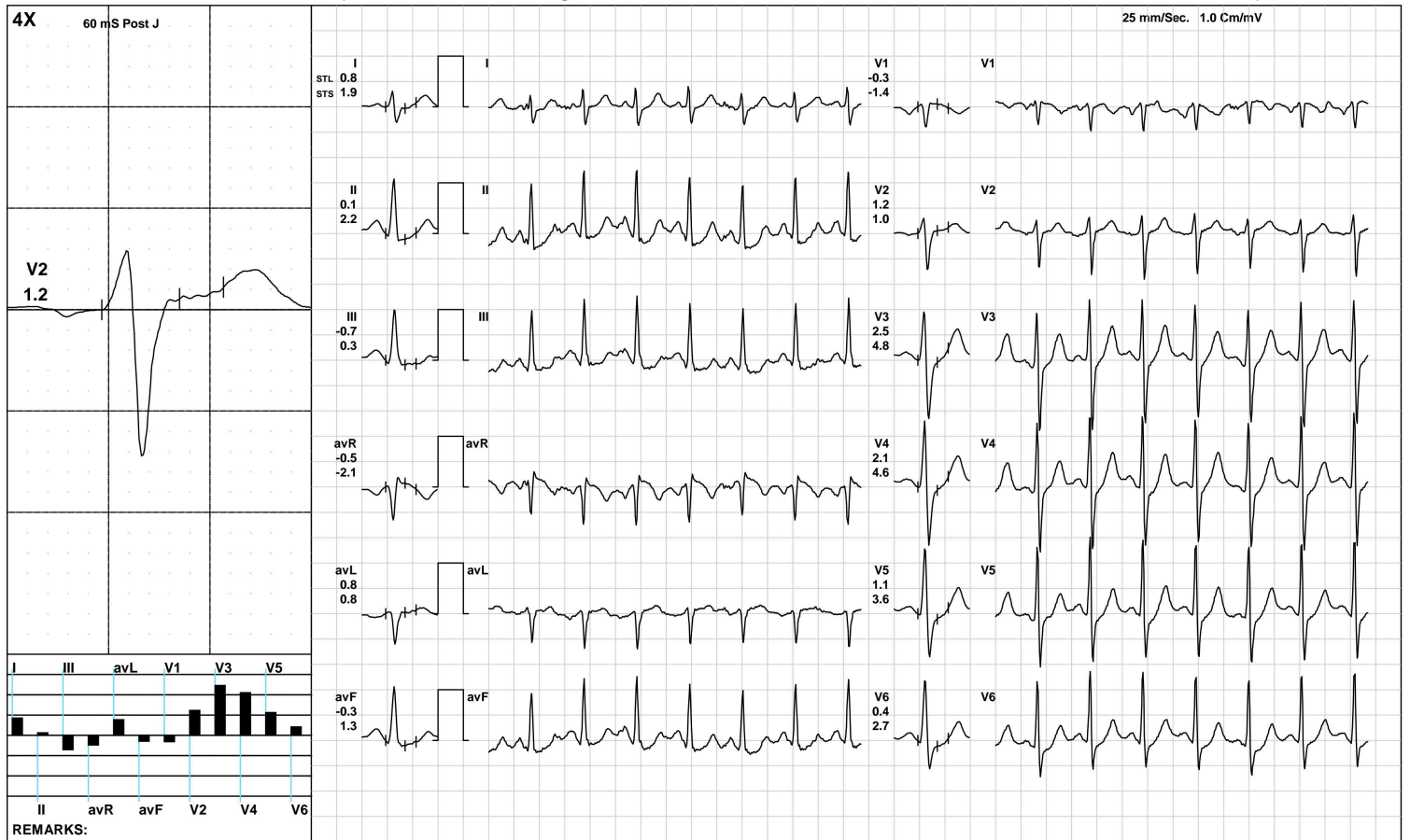
Recovery(1:00)



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 141

Date: 02-Jul-2023 11:08:59 AM METS: 4.3/ 141 bpm 77% of THR BP: 120/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:28 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

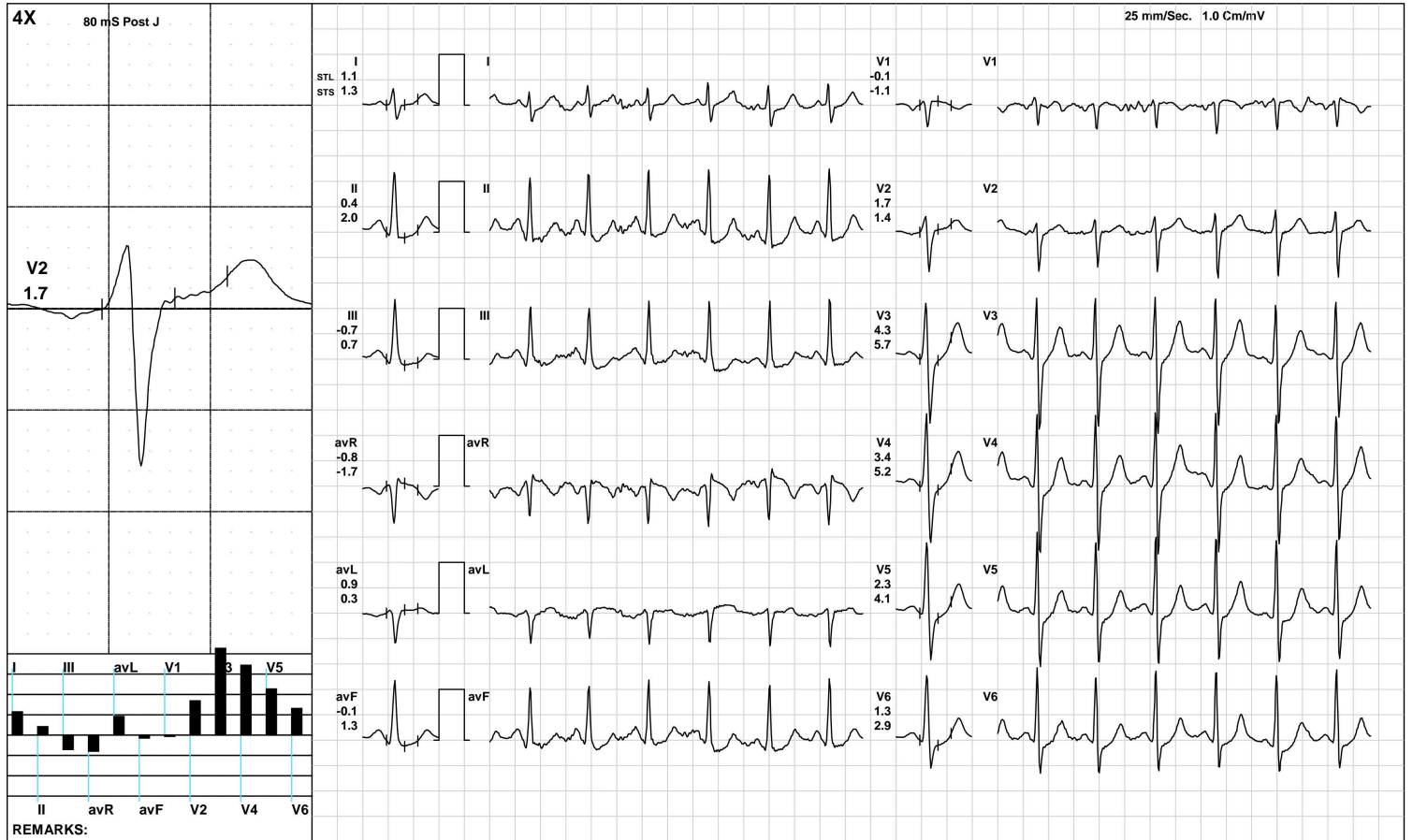
Recovery(2:00)



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 124

Date: 02-Jul-2023 11:08:59 AM METS: 1.0/ 124 bpm 67% of THR BP: 115/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:28 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

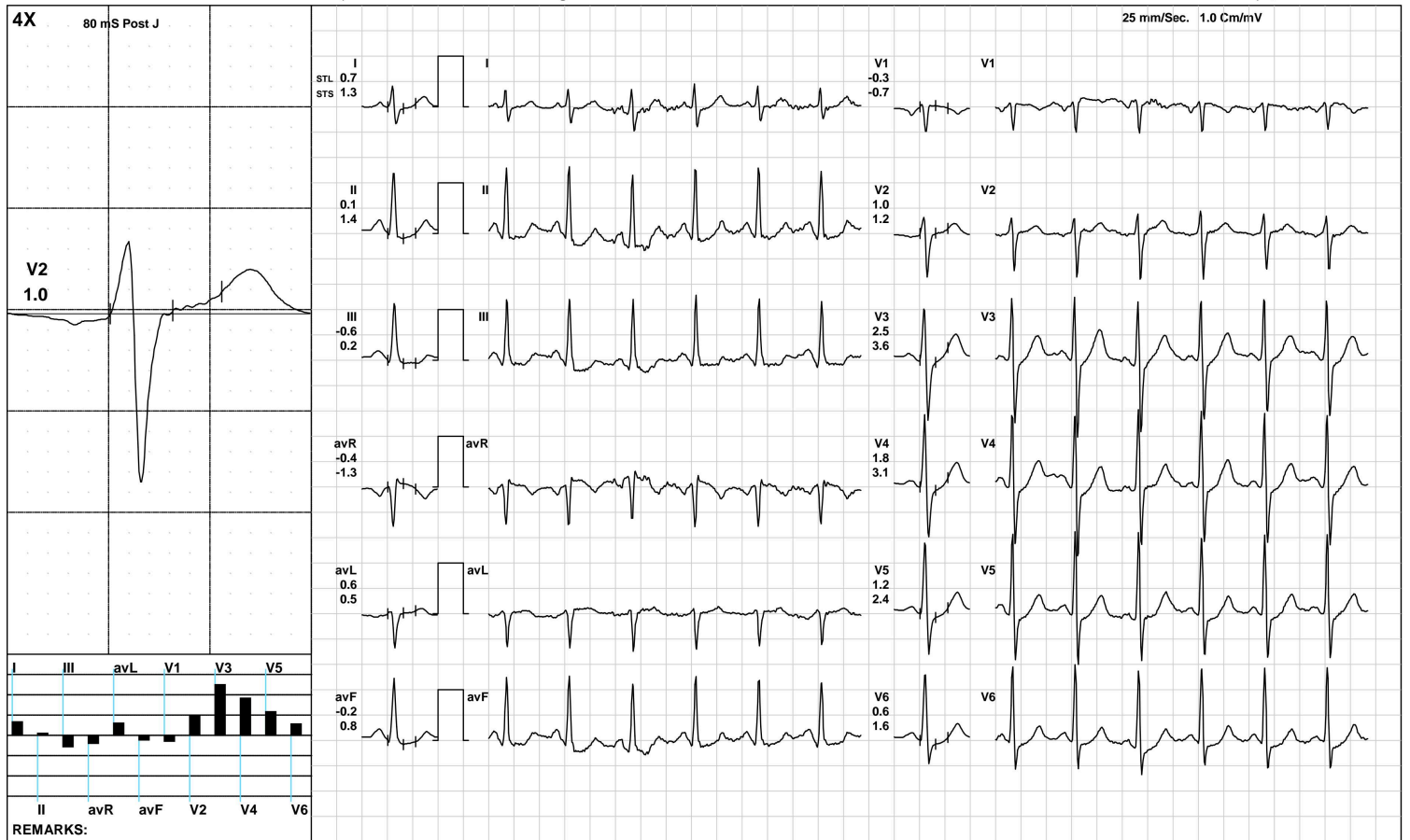
Recovery(3:28)



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 118

Date: 02-Jul-2023 11:08:59 AM METS: 1.0/ 118 bpm 64% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:28 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers



**AAROGYAM DIAGNOSTICS**

**ST Measurements**



2081 / MR. MANISH KUMAR / 37 Yrs / M / 172 Cms / 72 Kg / HR : 96

Date: 02-Jul-2023 11:08:59 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	1.1	1.3	0.2	-1.2	0.5	0.7	-0.2	2.1	4.9	4.6	3.5	2.4	1.1	2.0	0.8	-1.5	0.1	1.4	-0.6	1.5	4.5	4.5	3.7	2.8	
80 @mS Standing	1.1	1.3	0.2	-1.2	0.4	0.8	-0.2	1.8	4.7	4.4	3.4	2.4	1.2	2.0	0.9	-1.6	0.2	1.5	-0.6	1.5	4.5	4.4	3.7	2.8	
HV	1.4	1.5	0.1	-1.5	0.7	0.8	-0.4	2.1	4.8	4.6	3.6	2.6	1.4	2.1	0.7	-1.8	0.4	1.4	-0.8	1.6	4.2	4.3	3.6	2.7	
Warm Up	1.3	1.1	-0.1	-1.2	0.7	0.5	-0.1	2.2	4.6	4.4	3.3	2.3	1.2	1.9	0.6	-1.6	0.3	1.3	-0.7	1.6	4.1	4.1	3.5	2.6	
ExStart	1.5	1.7	0.2	-1.6	0.7	0.9	-0.7	1.9	4.5	4.3	3.3	2.2	1.4	2.1	0.7	-1.7	0.3	1.4	-0.9	1.3	3.6	3.7	3.1	2.3	
Stage 1	0.9	0.6	-0.4	-0.7	0.6	0.1	0.3	1.6	4.1	3.7	2.7	1.7	1.0	1.0	0.0	-1.0	0.5	0.5	-0.4	1.0	4.0	3.8	3.3	2.4	
Stage 2	0.8	0.4	-0.4	-0.6	0.6	0.0	-0.1	1.1	2.7	2.1	1.5	0.6	1.1	1.2	0.1	-1.2	0.5	0.7	-0.7	1.1	3.8	3.6	2.6	1.9	
Stage 3	0.4	-0.5	-0.8	0.1	0.6	-0.6	-0.1	0.0	0.4	0.3	0.1	-0.2	0.9	1.3	0.4	-1.1	0.2	0.9	-0.6	0.6	2.6	3.1	2.5	1.7	
PeakEx	-0.2	-3.1	-2.9	1.6	1.3	-3.0	1.1	1.0	-0.2	-0.7	-1.5	-1.4	1.4	0.3	-1.1	-0.8	1.2	-0.4	-0.6	0.5	2.8	3.2	2.2	1.7	
Recovery	0.8	0.1	-0.7	-0.5	0.8	-0.3	-0.3	1.2	2.5	2.1	1.1	0.4	1.9	2.2	0.3	-2.1	0.8	1.3	-1.4	1.0	4.8	4.6	3.6	2.7	
Recovery	1.1	0.4	-0.7	-0.8	0.9	-0.1	-0.1	1.7	4.3	3.4	2.3	1.3	1.3	2.0	0.7	-1.7	0.3	1.3	-1.1	1.4	5.7	5.2	4.1	2.9	
Recovery	0.7	0.1	-0.6	-0.4	0.6	-0.2	-0.3	1.0	2.5	1.8	1.2	0.6	1.3	1.4	0.2	-1.3	0.5	0.8	-0.7	1.2	3.6	3.1	2.4	1.6	

		<b>I</b>	<b>II</b>	<b>III</b>	<b>avR</b>	<b>avL</b>	<b>avF</b>	<b>V1</b>	<b>V2</b>	<b>V3</b>	<b>V4</b>	<b>V5</b>	<b>V6</b>
STI( $\mu$ Vs)	Supine	7.1	9.9	2.8	-8.5	2.2	6.4	-2.2	11.9	29.2	28.3	22.0	15.6
	Standing	6.2	8.6	2.5	-7.4	1.9	5.6	-1.7	9.6	26.6	25.3	19.6	14.2
	HV	8.8	11.2	2.4	-10.0	3.4	6.8	-3.0	12.3	30.1	29.9	23.8	17.5
	Warm Up	8.4	9.4	0.9	-8.9	3.7	5.2	-1.4	13.6	30.0	29.0	22.7	16.3
	ExStart	11.2	12.3	1.0	-11.7	5.3	6.6	-5.8	13.3	32.0	31.3	24.2	17.0
	Stage 1	4.8	2.7	-2.1	-3.7	3.5	0.3	2.7	9.5	23.0	19.8	13.8	7.8
	Stage 2	3.4	0.2	-3.1	-1.8	3.2	-1.4	1.3	6.5	13.2	8.3	5.6	1.1
	Stage 3	0.6	-6.1	-6.6	2.9	3.6	-6.3	0.9	-0.7	-2.1	-3.4	-3.8	-3.6
	PeakEx	-3.8	-18.8	-14.9	11.3	5.6	-16.9	8.3	3.5	-6.2	-10.2	-12.6	-11.1
	Recovery	1.2	-3.2	-4.3	0.9	2.7	-3.7	1.1	4.9	5.3	3.9	-0.2	-2.9
	Recovery	4.9	-1.7	-6.6	-1.6	5.7	-4.2	2.3	8.8	17.1	12.1	6.5	2.1
	Recovery	2.1	-2.1	-4.3	-0.1	3.2	-3.2	-0.9	4.8	11.0	7.1	3.7	0.7



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	76	122	80	84	422	182	1358	-898	675	-114	III	-120	0.00	0	0
01:00	97	254	82	80	409	195	1413	-865	634	-37	III	-67	0.00	0	0
01:30	99	214	84	76	446	-165	1426	-874	555	-4	III	-80	0.00	0	0
02:00	106	70	82	78	437	-162	1415	-926	520	-18	III	-70	0.00	0	0
02:30	112	190	86	78	430	216	1431	-939	483	-85	III	-124	0.00	0	0
03:00	110	166	86	78	455	215	1398	-963	454	1	III	-65	0.00	0	0
03:30	111	128	86	78	428	144	1432	-948	519	-30	III	-76	0.00	0	0
04:00	118	134	84	79	452	158	1429	-964	509	-112	III	-106	0.00	0	0
04:30	119	110	64	80	452	142	1454	-1023	360	19	III	-90	0.00	0	0
05:00	120	150	64	84	455	193	1384	-1038	433	-6	III	-108	0.00	0	0
05:30	124	158	64	80	453	199	1413	-1055	444	-139	III	-108	0.00	0	0
06:00	122	160	70	81	451	190	1423	-1092	412	-48	avF	-158	0.00	0	0
06:30	123	120	64	84	421	164	1399	-1104	386	77	III	-80	0.00	0	0
07:00	122	166	70	84	309	212	1415	-1133	459	100	III	-87	0.00	0	0
07:30	132	152	64	82	129	181	1399	-1114	384	-146	II	-152	0.00	0	0
08:00	135	102	70	83	450	173	1388	-1167	312	-57	III	-130	0.00	0	0
08:30	139	138	70	82	453	164	1393	-1166	290	-124	II	-173	0.00	0	0
09:00	144	100	62	90	144	194	1385	-1155	-287	-146	II	-167	0.00	0	0
09:30	146	124	70	90	356	214	1292	-1181	284	-215	II	-231	0.00	0	0
10:00	152	114	66	90	372	189	1365	-1187	320	-181	II	-190	0.00	0	0
10:30	162	116	68	83	365	171	1362	-1272	-371	-182	II	-238	0.00	0	0
11:00	152	90	68	88	361	239	1328	-1284	496	-466	V6	-193	0.00	0	0
11:30	142	104	68	88	333	220	1376	-1249	613	-67	III	-134	0.00	0	0
12:00	130	142	68	88	329	223	1478	-1287	689	-154	II	-124	0.00	0	0
12:30	126	150	68	90	334	226	1584	-1317	700	-42	III	-122	0.00	0	0

**Median Measurement Summary**



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)
13 : 00	123	144	70	90	353	213	1572	-1291	649	-156	II	-136	0.00	0
13 : 30	120	112	68	88	342	184	1609	-1315	601	19	III	-129	0.00	0
14 : 00	119	164	64	86	343	202	1564	-1219	567	-191	II	-169	0.00	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> 02/07/2023	<b>Srl No.</b> 3	<b>Patient Id</b> 2307020003
<b>Name</b> Mr. MANISH KUMAR	<b>Age</b>	<b>Sex</b> M
<b>Ref. By</b> 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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 www.aarogyamdiagnostics.com

<b>Date</b>	<b>02/07/2023</b>	<b>Srl No. 3</b>	<b>Patient Id 2307020003</b>
<b>Name</b>	<b>Mr. MANISH KUMAR</b>	<b>Age</b>	<b>Sex M</b>
<b>Ref. By Dr.BOB</b>			

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	<b>13.0</b>	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	6,400	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	63	%	40 - 75
LYMPHOCYTE	32	%	20 - 45
EOSINOPHIL	01	%	01 - 06
MONOCYTE	04	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN's METHOD)	14	mm/1st hr.	0 - 15
R B C COUNT	<b>4.33</b>	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	40.07	%	40 - 54
M C V	92.54	fl.	80 - 100
M C H	30.02	Picogram	27.0 - 31.0
M C H C	<b>32.4</b>	gm/dl	33 - 37
PLATELET COUNT	1.96	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"B"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	74.4	mg/dl	70 - 110
SERUM CREATININE	1.0	mg%	0.7 - 1.4
BLOOD UREA	25.1	mg /dl	15.0 - 45.0
SERUM URIC ACID	7.0	mg%	3.4 - 7.0
<b><u>LIVER FUNCTION TEST (LFT)</u></b>			



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 Near Malahi Pakari Chowk, Kankarbagh, Patna – 20  
 9264278360, 9065875700, 8789391403  
 info@aarogyamdiagnostics.com  
 www.aarogyamdiagnostics.com

<b>Date</b>	<b>02/07/2023</b>	<b>Srl No. 3</b>	<b>Patient Id 2307020003</b>
<b>Name</b>	<b>Mr. MANISH KUMAR</b>	<b>Age</b>	<b>Sex M</b>
<b>Ref. By Dr.BOB</b>			

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.70	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.29	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.41	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.54	gm/dl	6.6 - 8.3
ALBUMIN	4.0	gm/dl	3.4 - 5.2
GLOBULIN	<b>3.54</b>	gm/dl	2.3 - 3.5
A/G RATIO	<b>1.13</b>		
SGOT	37.9	IU/L	5 - 40
SGPT	42.4	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	84.91	U/L	40.0 - 130.0
GAMMA GT	21.5	IU/L	8.0 - 71.0

**LFT INTERPRET**

**LIPID PROFILE**

TRIGLYCERIDES	100.4	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	148.9	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	38.9	mg/dL	35.1 - 88.0
V L D L	20.08	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	89.92	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.828		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	2.312		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



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<b>Name</b>	<b>Mr. MANISH KUMAR</b>	<b>Age</b>	<b>Sex M</b>
<b>Ref. By Dr.BOB</b>			

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	2-3	/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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<b>Date</b>	<b>02/07/2023</b>	<b>Srl No.</b>	<b>3</b>	<b>Patient Id</b>	<b>2307020003</b>
<b>Name</b>	<b>Mr. MANISH KUMAR</b>	<b>Age</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



30704100049

### TEST REPORT

<b>Reg.No</b> : 30704100049	<b>Reg.Date</b> : 03-Jul-2023 13:34	<b>Collection</b> : 03-Jul-2023 13:34
<b>Name</b> : MR. MANISH KUMAR		<b>Received</b> : 03-Jul-2023 13:34
<b>Age</b> : 37 Years	<b>Sex</b> : Male	<b>Report</b> : 03-Jul-2023 14:48
<b>Referred By</b> : AAROGYAM DIAGNOSTICS @ PATNA		<b>Dispatch</b> : 03-Jul-2023 15:08
<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)	1.12	ng/mL	0.6 - 1.52
T4 (Thyroxine) <small>CMIA</small>	7.38	µg/dL	5.5 - 11.0
TSH ( ultra sensitive) <small>CMIA</small>	4.081	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 -----

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**Dr. Avani Patel**  
M.D. Biochemistry  
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