

(13)

BeeB

  
भारत सरकार  
Government of India

  
राजू कुमार  
Raju Kumar  
जन्म तिथि/ DOB: 18/02/1986  
पुरुष / MALE



**3555 6816 1318**

मेरा आधार, मेरी पहचान



ID: 905

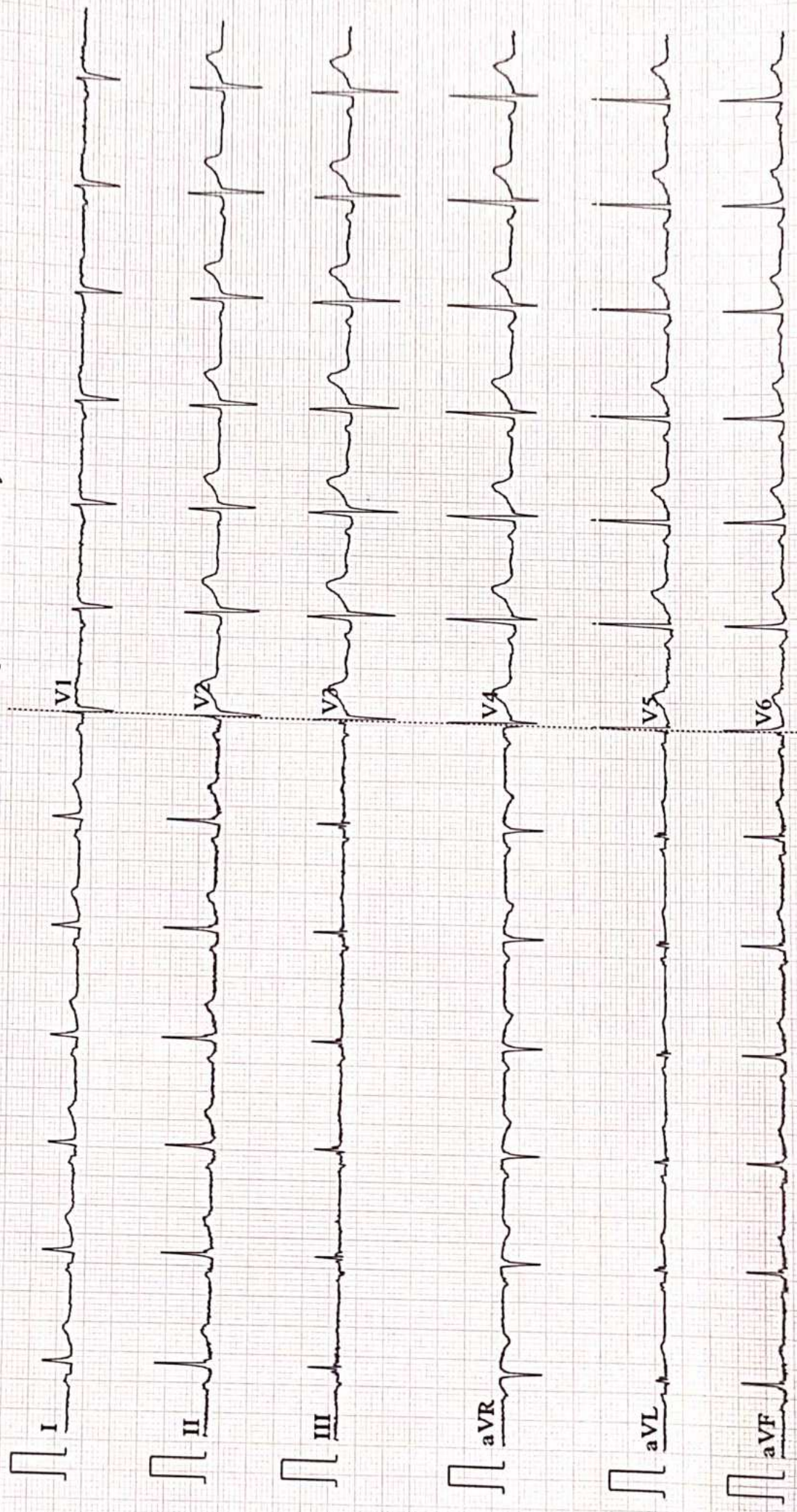
RAJU KUMAR  
Male 33Ycars

29-07-2023 11:26:38 AM

HR : 79 bpm  
 P : 88 ms  
 PR : 136 ms  
 QRS : 77 ms  
 QT/QTc : 342/394 ms  
 P/QRS/T : -1/60/46 °  
 RV5/SV1 : 1.440/0.655 mV

Diagnosis Information:  
 Sinus Rhythm  
 \*\*\*Normal ECG\*\*\*

Ref-Phys. :  
 Report Confirmed by:







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> 29/07/2023	<b>Srl No.</b> 10	<b>Patient Id</b> 2307290010
<b>Name</b> Mr. RAJU KUMAR	<b>Age</b> 37 Yrs.	<b>Sex</b> M
<b>Ref. By</b> 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**



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<b>Name</b>	<b>Mr. RAJU KUMAR</b>	<b>Age 37 Yrs.</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)	6,000	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	61	%	40 - 75
LYMPHOCYTE	34	%	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	<b>4.33</b>	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	<b>39.01</b>	%	40 - 54
M C V	90.09	fl.	80 - 100
M C H	30.02	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	2.41	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"O"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	76.9	mg/dl	70 - 110
SERUM CREATININE	0.89	mg%	0.7 - 1.4
BLOOD UREA	23.5	mg /dl	15.0 - 45.0
SERUM URIC ACID	5.6	mg%	3.4 - 7.0
<b><u>LIVER FUNCTION TEST (LFT)</u></b>			



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<b>Name</b>	<b>Mr. RAJU KUMAR</b>	<b>Age 37 Yrs.</b>	<b>Sex M</b>
<b>Ref. By Dr.BOB</b>			

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.63	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.21	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.42	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.3	gm/dl	6.6 - 8.3
ALBUMIN	3.9	gm/dl	3.4 - 5.2
GLOBULIN	3.4	gm/dl	2.3 - 3.5
A/G RATIO	<b>1.147</b>		
SGOT	30.2	IU/L	5 - 40
SGPT	34.6	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	90.3	U/L	40.0 - 130.0
GAMMA GT	24.2	IU/L	8.0 - 71.0

### LFT INTERPRET

### LIPID PROFILE

TRIGLYCERIDES	79.2	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	126.9	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	49.7	mg/dL	35.1 - 88.0
V L D L	15.84	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	<b>61.36</b>	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	2.553		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.235		0.00 - 3.55
THYROID PROFILE			
QUANTITY	15	ml.	



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<b>Name</b>	<b>Mr. RAJU KUMAR</b>	<b>Age 37 Yrs.</b>	<b>Sex M</b>
<b>Ref. By Dr.BOB</b>			

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.010		
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.



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<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 \*\*\*\*

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<b>Name</b>	<b>Mr. RAJU KUMAR</b>	<b>Age 37 Yrs.</b>	<b>Sex M</b>
<b>Ref. By Dr.BOB</b>			

Test Name	Value	Unit	Normal Value
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## BIOCHEMISTRY

BLOOD SUGAR PP	117.9	mg/dl	80 - 160
BOB			

\*\*\*\* End Of Report \*\*\*\*

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**AAROGYAM DIAGNOSTICS**  
**PATNA**

**Report**



(GEM212170906)(R)Kardic by Allengers

2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg Date: 29-Jul-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	87	48 %	120/80	104	00	
Standing	00:34	0:01	00.0	00.0	01.0	88	48 %	120/80	105	00	
HV	00:39	0:01	00.0	00.0	01.0	087	48 %	120/80	104	00	
Warm Up	00:50	0:01	01.0	00.0	01.0	083	45 %	120/80	099	00	
ExStart	01:01	0:06	01.7	10.0	01.1	105	57 %	120/80	125	00	
BRUCE/ Stage 1	04:01	3:00	01.7	10.0	04.7	138	75 %	125/85	172	00	
BRUCE/ Stage 2	07:01	3:00	02.5	12.0	07.1	155	85 %	130/90	201	00	
PeakEx	10:00	3:00	03.4	14.0	10.2	188	103 %	135/95	253	00	
Recovery	10:59	1:00	01.1	00.0	01.2	168	92 %	130/90	218	00	
Recovery	11:59	2:00	01.1	00.0	01.0	151	83 %	125/85	188	00	
Recovery	13:28	3:28	01.1	00.0	01.0	136	74 %	120/80	163	00	

**Findings :**

Exercise Time : 09:00  
Max HR Attained : 188 bpm 103% of Target 183  
Max BP Attained : (Sys) 135/95  
Max WorkLoad Attained : 10.2 Good response to induced stress  
Max ST Dep Lead & Value : II & -1.5 mm in PeakEx mm  
Test End Reasons : Test Complete

**Report :**

**AAROGYAM DIAGNOSTICS**

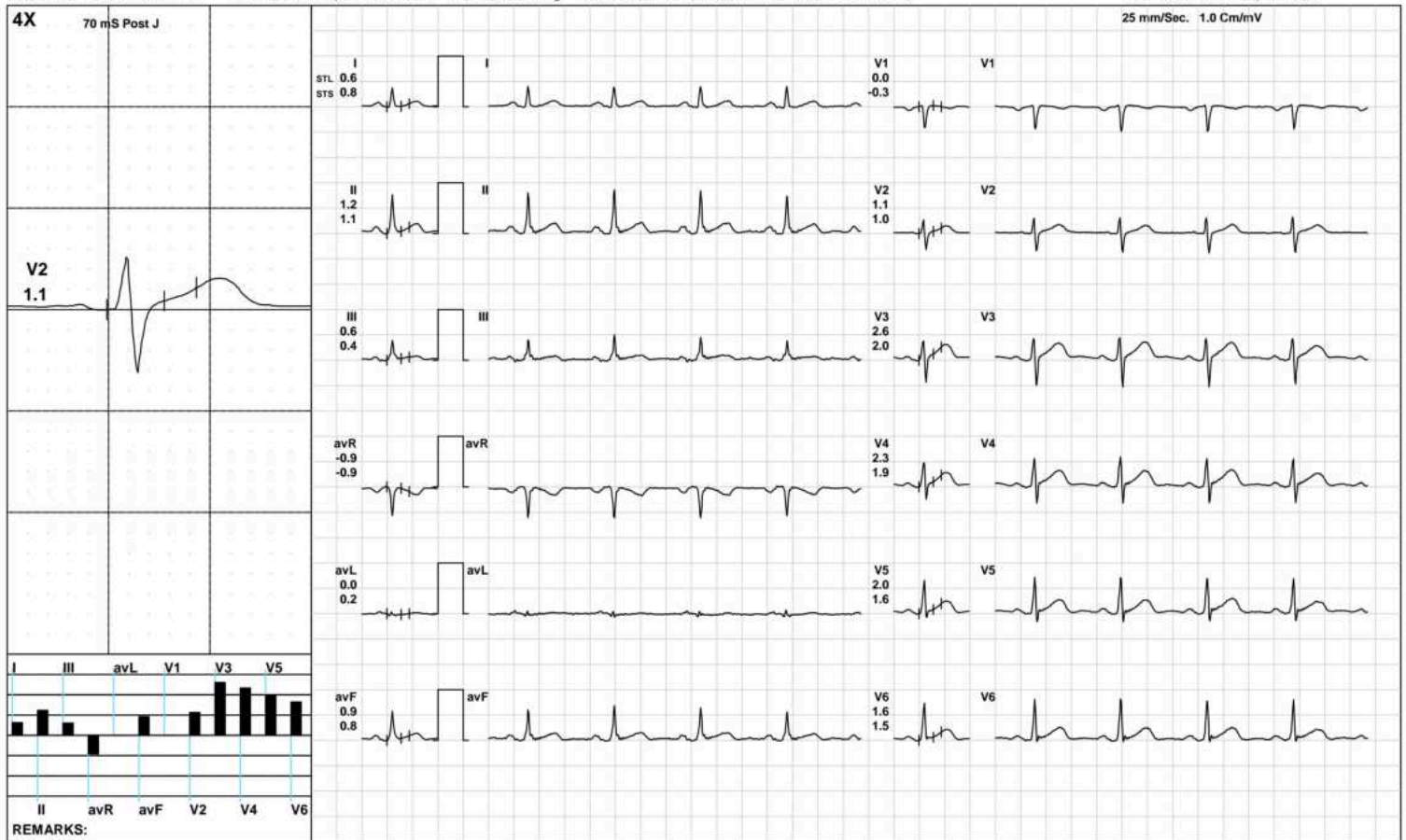
Supine



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 87

Date: 29-Jul-2023 02:15:45 PM METS: 1.0/ 87 bpm 47% of THR BP: 120/80 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**

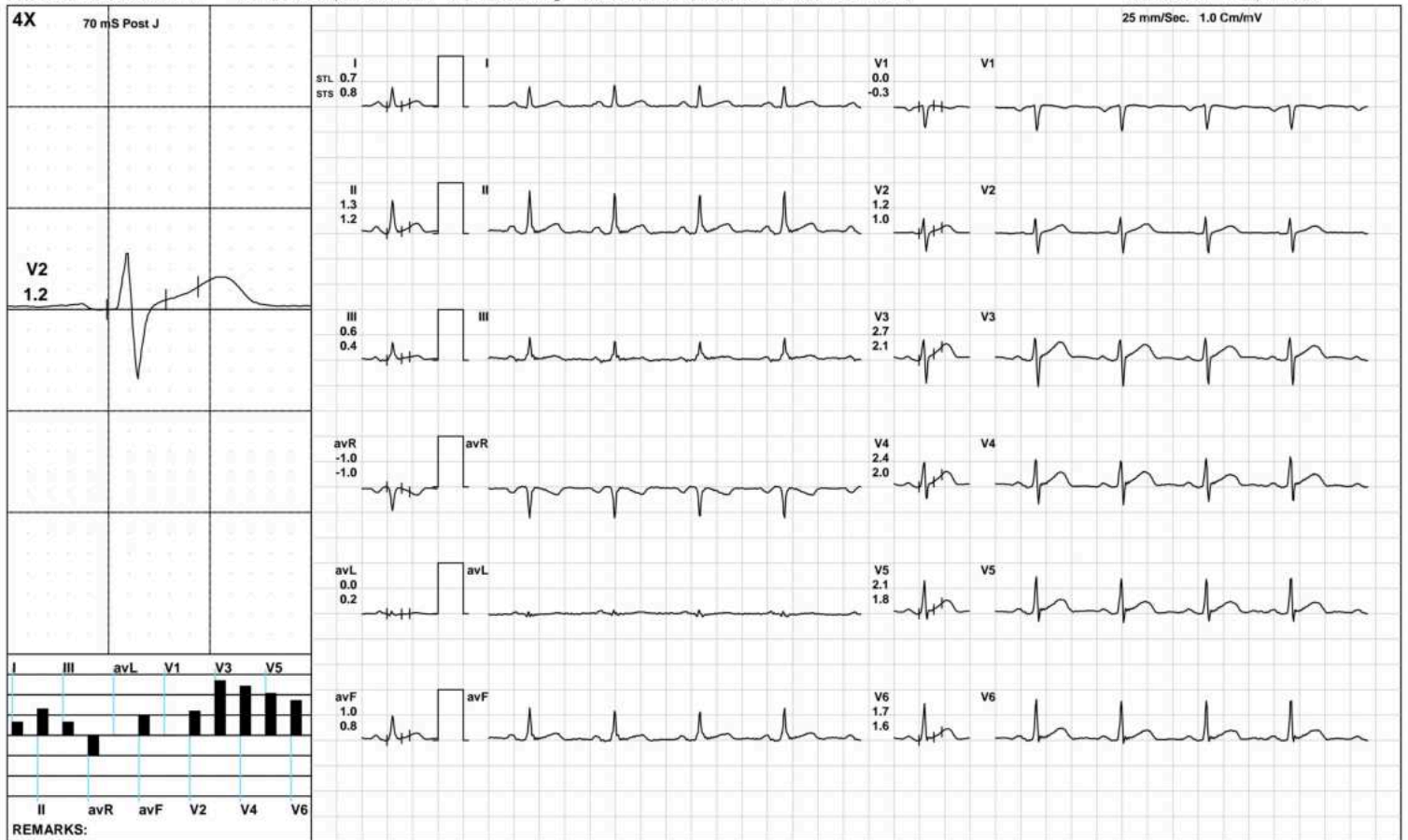
Standing



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 88

Date: 29-Jul-2023 02:15:45 PM METS: 1.0/ 88 bpm 48% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:34 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers



**AAROGYAM DIAGNOSTICS**

HV



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 87

Date: 29-Jul-2023 02:15:45 PM METS: 1.0/ 87 bpm 47% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:39 0.0 mph, 0.0%



**AAROGYAM DIAGNOSTICS**

Warm Up



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 83

Date: 29-Jul-2023 02:15:45 PM METS: 1.0/ 83 bpm 45% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:50 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

ExStart



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 105

Date: 29-Jul-2023 02:15:45 PM METS: 1.1/ 105 bpm 57% 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%



(GEM212170906)(R)Kardic by Allengers



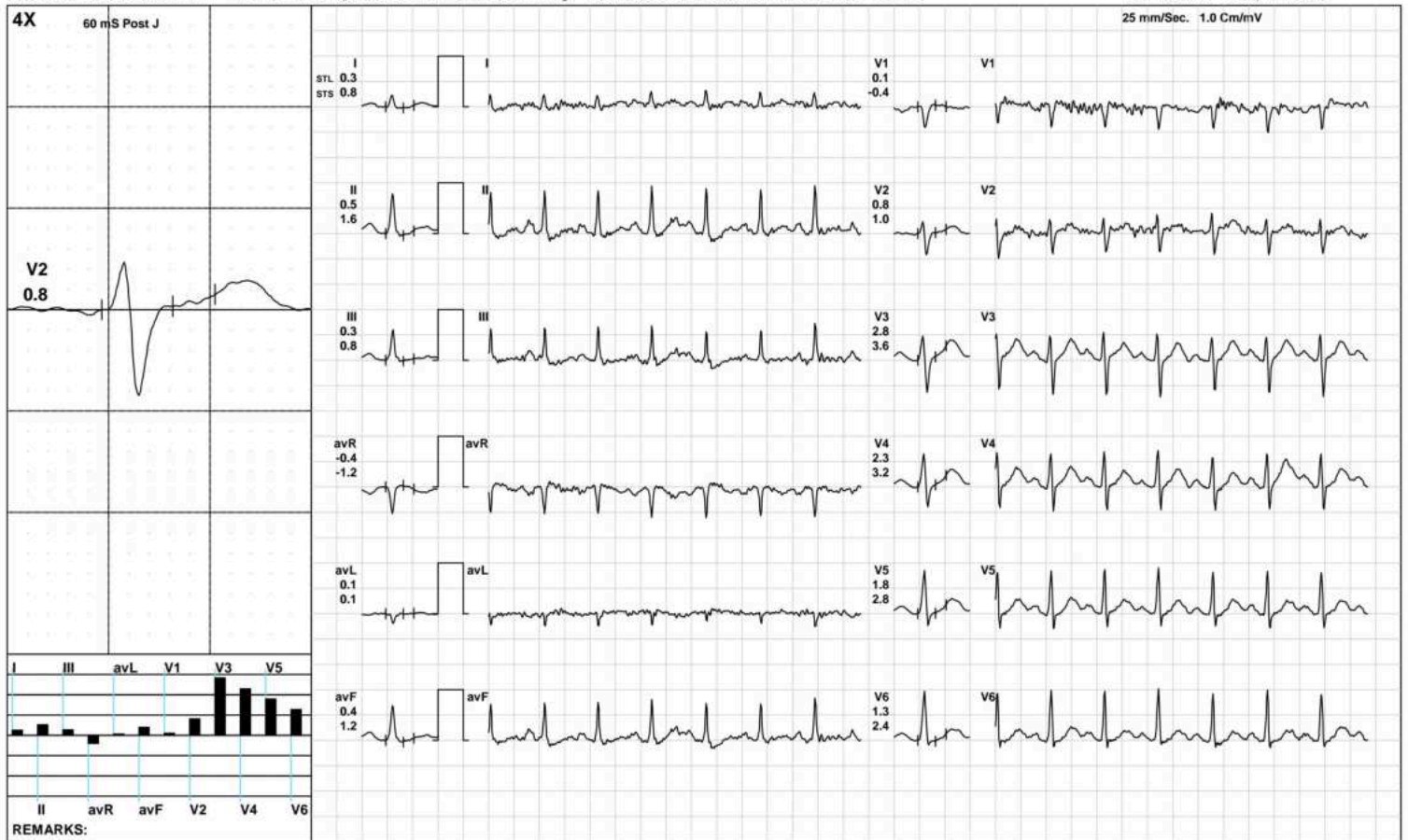
**AAROGYAM DIAGNOSTICS**

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



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 138

Date: 29-Jul-2023 02:15:45 PM METS: 4.7/ 138 bpm 75% 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%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

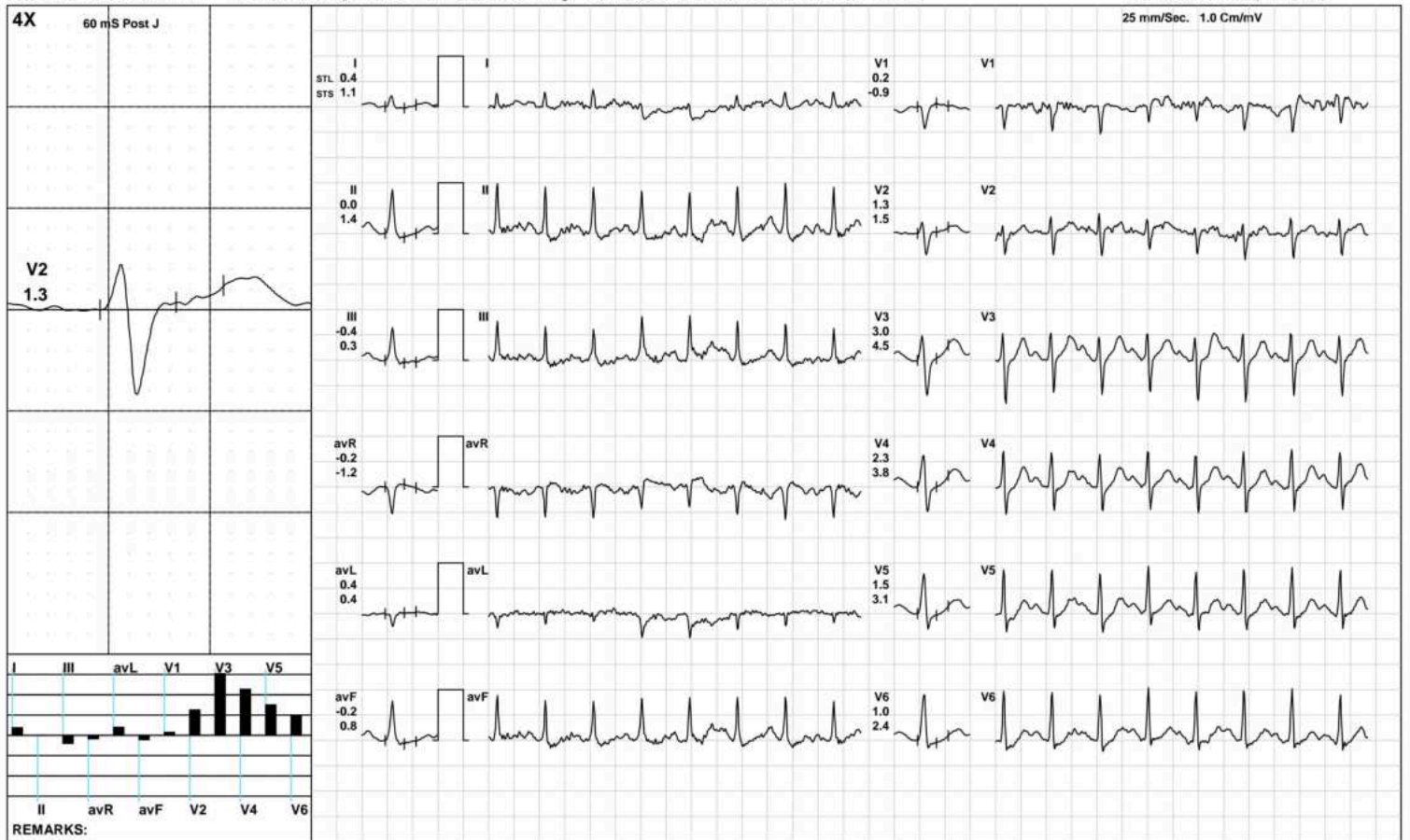
**BRUCE/:Stage 2(3:00)**



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 155

Date: 29-Jul-2023 02:15:45 PM METS: 7.1/ 155 bpm 84% 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%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

**PeakEx**



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 188

Date: 29-Jul-2023 02:15:45 PM METS: 10.2/ 188 bpm 102% of THR BP: 135/95 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 08:59 3.4 mph, 14.0%





**AAROGYAM DIAGNOSTICS**

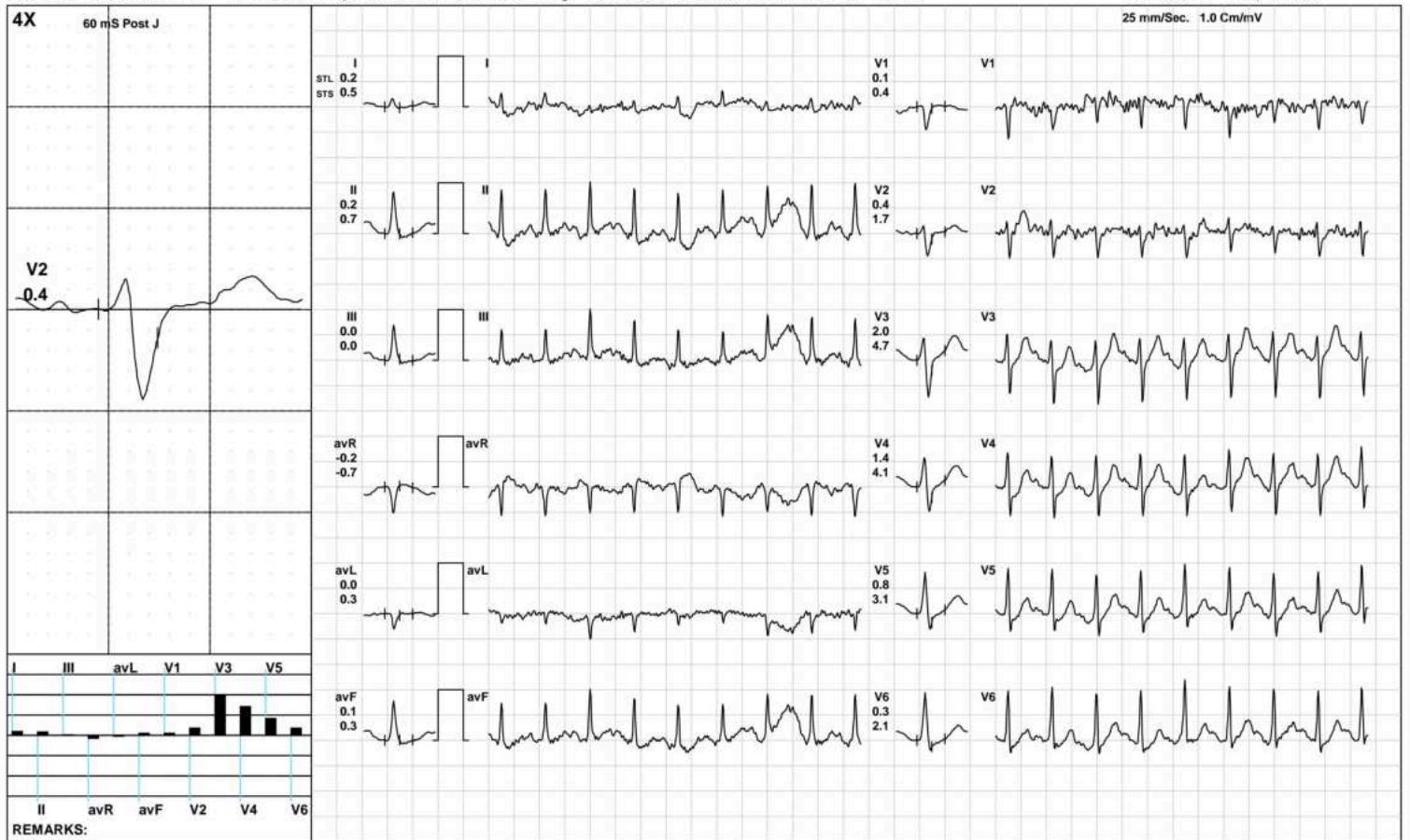
Recovery(1:00)



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 168

Date: 29-Jul-2023 02:15:45 PM METS: 1.2/ 168 bpm 91% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:00 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTICS**

Recovery(2:00)



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 151

Date: 29-Jul-2023 02:15:45 PM

METS: 1.0/ 151 bpm 82% of THR BP: 125/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:00 1.1 mph, 0.0%



**AAROGYAM DIAGNOSTICS**

Recovery(3:28)



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 136

Date: 29-Jul-2023 02:15:45 PM METS: 1.0/ 136 bpm 74% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:00 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers



**AAROGYAM DIAGNOSTICS**

**ST Measurements**



2178 / MR. RAJU KUMAR / 37 Yrs / M / 178 Cms / 97 Kg / HR : 87

Date: 29-Jul-2023 02:15:45 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	0.6	1.2	0.6	-0.9	0.0	0.9	0.0	1.1	2.6	2.3	2.0	1.6	0.8	1.1	0.4	-0.9	0.2	0.8	-0.3	1.0	2.0	1.9	1.6	1.5	
60 @mS Standing	0.7	1.3	0.6	-1.0	0.0	1.0	0.0	1.2	2.7	2.4	2.1	1.7	0.8	1.2	0.4	-1.0	0.2	0.8	-0.3	1.0	2.1	2.0	1.8	1.6	
HV	0.7	1.3	0.6	-1.0	0.0	1.0	0.0	1.2	2.7	2.4	2.1	1.7	0.8	1.2	0.4	-1.0	0.2	0.8	-0.3	1.0	2.1	2.0	1.8	1.6	
Warm Up	0.6	1.2	0.6	-0.9	0.0	0.9	0.1	1.1	2.5	2.3	2.0	1.6	0.7	1.1	0.4	-0.9	0.1	0.7	-0.3	1.0	1.9	1.9	1.6	1.4	
ExStart	0.6	1.3	0.7	-1.0	-0.1	1.0	0.0	1.1	2.8	2.5	2.1	1.7	0.7	1.3	0.6	-1.0	0.0	0.9	-0.3	0.9	2.1	2.0	1.8	1.6	
Stage 1	0.5	0.6	0.1	-0.5	0.2	0.3	0.2	1.1	2.9	2.4	1.7	1.3	0.8	1.2	0.4	-1.0	0.2	0.8	0.1	1.4	3.7	3.3	2.7	2.2	
Stage 2	0.4	0.3	-0.2	-0.4	0.3	0.0	0.4	0.9	2.7	2.0	1.3	0.8	1.0	1.8	0.7	-1.4	0.2	1.2	-0.3	0.9	4.0	3.3	2.8	2.5	
PeakEx	-0.2	-1.5	-1.3	0.8	0.6	-1.4	0.5	0.2	0.8	0.5	0.1	-0.1	0.6	-1.6	-2.2	0.6	1.5	-1.9	1.2	2.9	8.5	7.6	5.8	3.5	
Recovery	0.2	0.2	0.0	-0.2	0.0	0.1	0.1	0.4	2.0	1.4	0.8	0.3	0.5	0.7	0.0	-0.7	0.3	0.3	0.4	1.7	4.7	4.1	3.1	2.1	
Recovery	0.5	0.7	0.8	-0.4	-0.2	0.8	0.6	1.8	5.1	4.1	3.2	2.4	1.3	2.5	1.4	-1.8	0.1	2.0	0.1	1.8	6.9	6.0	4.8	4.3	
Recovery	0.2	0.4	0.3	-0.3	-0.1	0.3	0.4	1.2	4.3	3.2	2.3	1.4	0.8	1.7	0.9	-1.3	-0.1	1.3	-0.4	1.4	5.4	4.5	3.5	2.6	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
STI(μVs)												
Supine	4.0	8.2	4.1	-6.1	-0.1	6.1	0.2	7.3	16.5	14.8	12.6	10.4
Standing	4.3	8.6	4.3	-6.4	0.0	6.4	0.1	7.6	17.0	15.3	13.1	10.8
HV	4.3	8.6	4.3	-6.4	0.0	6.4	0.1	7.6	17.0	15.3	13.1	10.8
Warm Up	4.0	7.9	4.0	-5.9	-0.1	6.0	0.5	7.5	16.1	14.8	12.7	10.4
ExStart	4.5	9.3	4.8	-6.9	-0.2	7.0	0.1	7.9	17.9	16.2	13.7	11.4
Stage 1	1.6	0.9	-0.8	-1.2	1.3	0.0	1.0	4.6	10.8	8.7	5.8	3.9
Stage 2	0.4	-1.9	-2.6	0.6	1.1	-2.2	2.9	3.3	8.0	5.1	2.4	0.3
PeakEx	-2.2	-9.9	-7.6	6.0	2.7	-8.8	3.9	0.9	-4.2	-5.5	-5.9	-5.5
Recovery	-0.1	-2.8	-2.0	1.8	0.1	-2.4	1.3	0.8	4.2	1.7	-0.6	-2.4
Recovery	0.0	-1.0	1.8	1.9	-1.2	0.4	3.6	7.5	15.8	12.0	8.6	5.5
Recovery	-0.5	-0.1	0.5	0.4	-0.5	0.2	2.9	4.2	15.9	11.1	7.9	4.6



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	88	150	64	57	408	139	776	-612	324	-44	avL	-12	0.00	0	0
01:00	111	184	62	67	301	151	942	-628	367	-53	avL	-15	0.00	0	0
01:30	124	110	62	69	445	152	931	-610	275	-32	avL	-8	0.00	0	0
02:00	133	148	72	67	441	171	962	-561	311	-12	III	-7	0.00	0	0
02:30	135	142	76	73	427	195	971	-612	384	-23	III	-11	0.00	0	0
03:00	139	140	74	75	432	188	961	-643	365	3	avL	-2	0.00	0	0
03:30	136	138	76	73	425	198	974	-666	396	-34	III	-13	0.00	0	0
04:00	140	138	78	71	421	197	962	-658	412	-56	III	-24	0.00	0	0
04:30	143	132	78	70	429	214	926	-654	409	-39	III	-26	0.00	0	0
05:00	149	128	84	73	423	203	954	-687	385	-26	avF	-9	0.00	0	0
05:30	151	124	64	73	415	209	951	-706	398	-1	III	-65	0.00	0	0
06:00	153	118	84	73	412	226	934	-707	409	-67	avF	-26	0.00	0	0
06:30	153	122	62	78	408	209	934	-732	424	-31	II	-39	0.00	0	0
07:00	161	112	84	76	417	222	952	-761	446	-46	II	-84	0.00	0	0
07:30	168	110	62	75	402	220	942	-723	419	-30	II	-69	0.00	0	0
08:00	173	106	68	80	398	189	943	-770	399	-39	III	-94	0.00	0	0
08:30	181	98	66	77	313	216	916	-758	378	-69	III	-106	0.00	0	0
09:00	185	94	84	80	323	242	859	-792	432	-120	II	-112	0.00	0	0
09:30	188	90	66	80	343	194	876	-827	362	-189	II	-136	0.00	0	0
10:00	183	76	60	71	329	235	802	-808	389	-186	V6	-79	0.00	0	0
10:30	170	102	82	78	394	217	980	-739	522	-48	III	-8	0.00	0	0
11:00	162	110	80	76	392	251	1005	-791	585	-8	avL	-28	0.00	0	0
11:30	152	118	80	71	409	249	1100	-778	617	-15	avL	-40	0.00	0	0
12:00	145	124	80	74	427	222	1118	-782	622	16	avL	-2	0.00	0	0
12:30	140	130	78	75	425	231	1122	-772	618	0	avL	-11	0.00	0	0

**AAROGYAM DIAGNOSTICS**

PATNA

2178 / MR. RAJU KUMAR / 37 Yrs / Male / 178 Cm / 97 Kg

**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 (μV)	Var (%)	VEB (Counts)	Missed Beats (Counts)
13:00	136	140	76	70	423	189	1092	-765	580	-30	I	-33	0.00	0	0



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



30704100561

**TEST REPORT**

<b>Reg.No</b> : 30704100561	<b>Reg.Date</b> : 30-Jul-2023 13:28	<b>Collection</b> : 30-Jul-2023 13:28
<b>Name</b> : RAJU KUMAR		<b>Received</b> : 30-Jul-2023 13:28
<b>Age</b> : 37 Years	<b>Sex</b> : Male	<b>Report</b> : 30-Jul-2023 16:22
<b>Referred By</b> : AAROGYAM DIAGNOSTICS @ PATNA		<b>Dispatch</b> : 30-Jul-2023 16:42
<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)	1.09	ng/mL	0.6 - 1.52
T4 (Thyroxine) <small>CMIA</small>	8.06	µg/dL	5.5 - 11.0
TSH ( ultra sensitive) <small>CMIA</small>	1.508	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. Jwalant Shah**  
 M.D. Pathology  
 G-7593

*(Signature)*

**Dr. Avani Patel**  
 M.D. Biochemistry  
 Reg No.- G-34103





Name :- Raju Kumar  
Refd by :- Self

Age/Sex:- 37Yrs/M  
Date :-29/07/23

Thanks for referral.

## REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Mild enlarged in size (15.1cm) 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 (9.3cm) 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 9.6cm and Left Kidney measures 10.4cm.
- Ureters** :- Ureters are not dilated.
- U. Bladder** :- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size (13.2cc) & echotexture.
- Others** :- No ascites or abdominal adenopathy is seen.  
No free subphrenic / basal pleural space collection is seen.

**IMPRESSION:-** *Mild Hepatomegaly with Grade I Fatty Liver.  
Otherwise Normal Scan.*

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