



भारत सरकार  
GOVERNMENT OF INDIA



सुमन राय  
Suman Ray  
जन्म तिथि/ DOB: 02/02/1984  
महिला / FEMALE



9375 8784 6693

आधार-आम आदमी का अधिकार



145

30

ID: 103

SUMAN RAY

Female Years

10-11-2024 09:06:31 AM

HR : 51 bpm

P : 93 ms

PR : 129 ms

QRS : 80 ms

QT/QTc : 435/403 ms

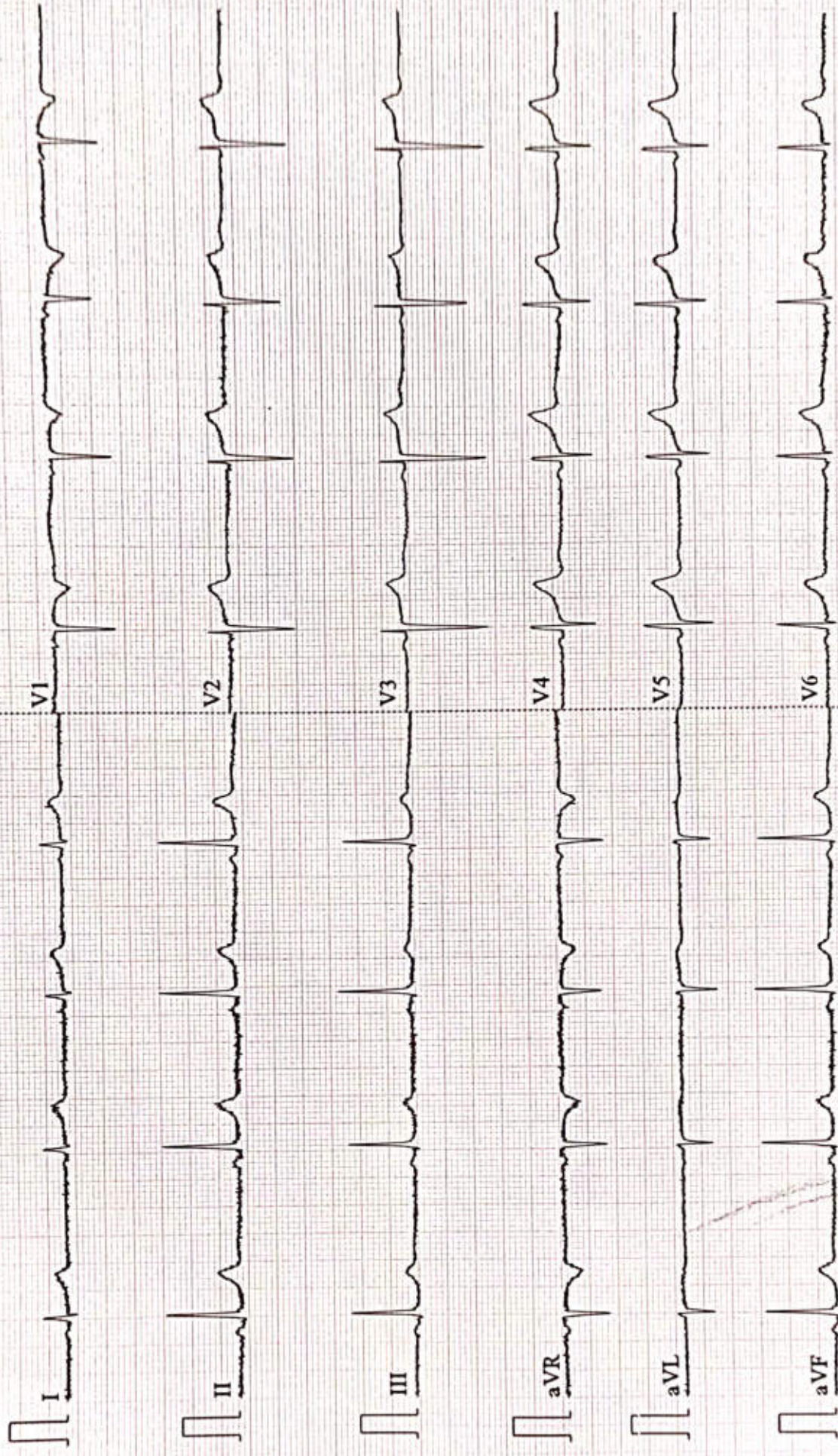
P/QRS/T : 59/78/53 °

RV5/SV1 : 0.627/0.954 mV

Diagnosis Information:  
Sinus Bradycardia with Sinus Arrhythmia  
QS Wave in lead V1

DR. RAJAN  
Ref-Physician

Report Confirmed by:



Patient Name	SUMAN RAY	Date	10-11-2024
Age/Sex	40/F	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*





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> 10/11/2024	<b>Srl No.</b> 6	<b>Patient Id</b> 2411100006
<b>Name</b> Mrs. SUMAN RAY	<b>Age</b> 40 Yrs.	<b>Sex</b> F
<b>Ref. By</b> Dr.MEDIWHEEL		

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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<b>Name</b>	<b>Mrs. SUMAN RAY</b>	<b>Age 40 Yrs.</b>	<b>Sex F</b>
<b>Ref. By</b>	<b>Dr.MEDIWHEEL</b>		

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	<b>9.8</b>	gm/dl	11.5 - 16.5
TOTAL LEUCOCYTE COUNT (TLC)	6,400	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	58	%	40 - 75
LYMPHOCYTE	32	%	20 - 45
EOSINOPHIL	04	%	01 - 06
MONOCYTE	06	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN' s METHOD)	19	mm/1st hr.	0 - 20
R B C COUNT	<b>3.28</b>	Millions/cmm	3.8 - 4.8
P.C.V / HAEMATOCRIT	<b>29.4</b>	%	35 - 45
M C V	89.63	fl.	80 - 100
M C H	29.88	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	1.90	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"B"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	<b>56.8</b>	mg/dl	70 - 110
SERUM CREATININE	0.80	mg%	0.5 - 1.3
BLOOD UREA	19.9	mg /dl	15.0 - 45.0
SERUM URIC ACID	3.54	mg%	2.5 - 6.0
<b><u>LIVER FUNCTION TEST (LFT)</u></b>			



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<b>Name</b>	<b>Mrs. SUMAN RAY</b>	<b>Age 40 Yrs.</b>	<b>Sex F</b>
<b>Ref. By</b>	<b>Dr.MEDIWHEEL</b>		

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.43	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.16	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.27	mg/dl	0.00 - 0.70
TOTAL PROTEIN	6.98	gm/dl	6.6 - 8.3
ALBUMIN	4.12	gm/dl	3.4 - 5.2
GLOBULIN	2.86	gm/dl	2.3 - 3.5
A/G RATIO	<b>1.441</b>		
SGOT	29.8	IU/L	5 - 35
SGPT	7.9	IU/L	5.0 - 45.0
ALKALINE PHOSPHATASE IFCC Method	64.5	U/L	35.0 - 104.0
GAMMA GT	22.6	IU/L	6.0 - 42.0
<b>LFT INTERPRET</b>			
<b><u>LIPID PROFILE</u></b>			
TRIGLYCERIDES	82.1	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	145.7	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	50.3	mg/dL	35.1 - 88.0
V L D L	16.42	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	78.98	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	2.897		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.57		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



<b>Date</b>	10/11/2024	<b>Sri No.</b>	6	<b>Patient Id</b>	2411100006
<b>Name</b>	Mrs. SUMAN RAY	<b>Age</b>	40 Yrs.	<b>Sex</b>	F
<b>Ref. By</b>	Dr.MEDIWHEEL				

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.030		
PH	6.0		
ALBUMIN	NIL		
SUGAR	NIL		
<b>MICROSCOPIC EXAMINATION</b>			
PUS CELLS	1-3	/HPF	
RBC'S	NIL	/HPF	
CASTS	NIL		
CRYSTALS	NIL		
EPITHELIAL CELLS	2-4	/HPF	
BACTERIA	NIL		
OTHERS	NIL		

Assay performed on enhanced chemi luminescence 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>Name</b>	Mrs. SUMAN RAY	<b>Age</b>	40 Yrs.	<b>Sex</b>	F
<b>Ref. By</b>	Dr.MEDIWHEEL				

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



**AAROGYAM DIAGNOSTIC S**

**Report**



(GEM212170906)(R)Kardic by Allengers

3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg Date: 10-Nov-2024 Technician : RESHMA ALI

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	75	42 %	110/70	082	00	
Standing	00:11	0:01	00.0	00.0	01.0	75	42 %	110/70	082	00	
HV	00:16	0:01	00.0	00.0	01.0	075	42 %	110/70	082	00	
Warm Up	00:26	0:01	01.0	00.0	01.0	075	42 %	110/70	082	00	
ExStart	00:38	0:06	01.7	10.0	01.1	089	49 %	110/70	097	00	
BRUCE/ Stage 1	03:38	3:00	01.7	10.0	04.7	116	64 %	115/75	133	00	
PeakEx	06:37	3:00	02.5	12.0	07.1	138	77 %	120/80	165	00	
Recovery	07:36	1:00	01.1	00.0	01.0	119	66 %	115/75	136	00	
Recovery	08:36	2:00	01.1	00.0	01.0	110	61 %	110/70	121	00	
Recovery	09:22	2:45	01.1	00.0	01.0	110	61 %	110/70	121	00	

**Findings :**

- Exercise Time : 06:00
- Max HR Attained : 138 bpm 77% of Target 180
- Max BP Attained : (Sys) 120/80
- Max WorkLoad Attained : 7.1 Fair response to induced stress
- Max ST Dep Lead & Value : II & -1.4 mm in Recovery mm
- Test End Reasons : Test Complete

**Report :**

**AAROGYAM DIAGNOSTIC S**

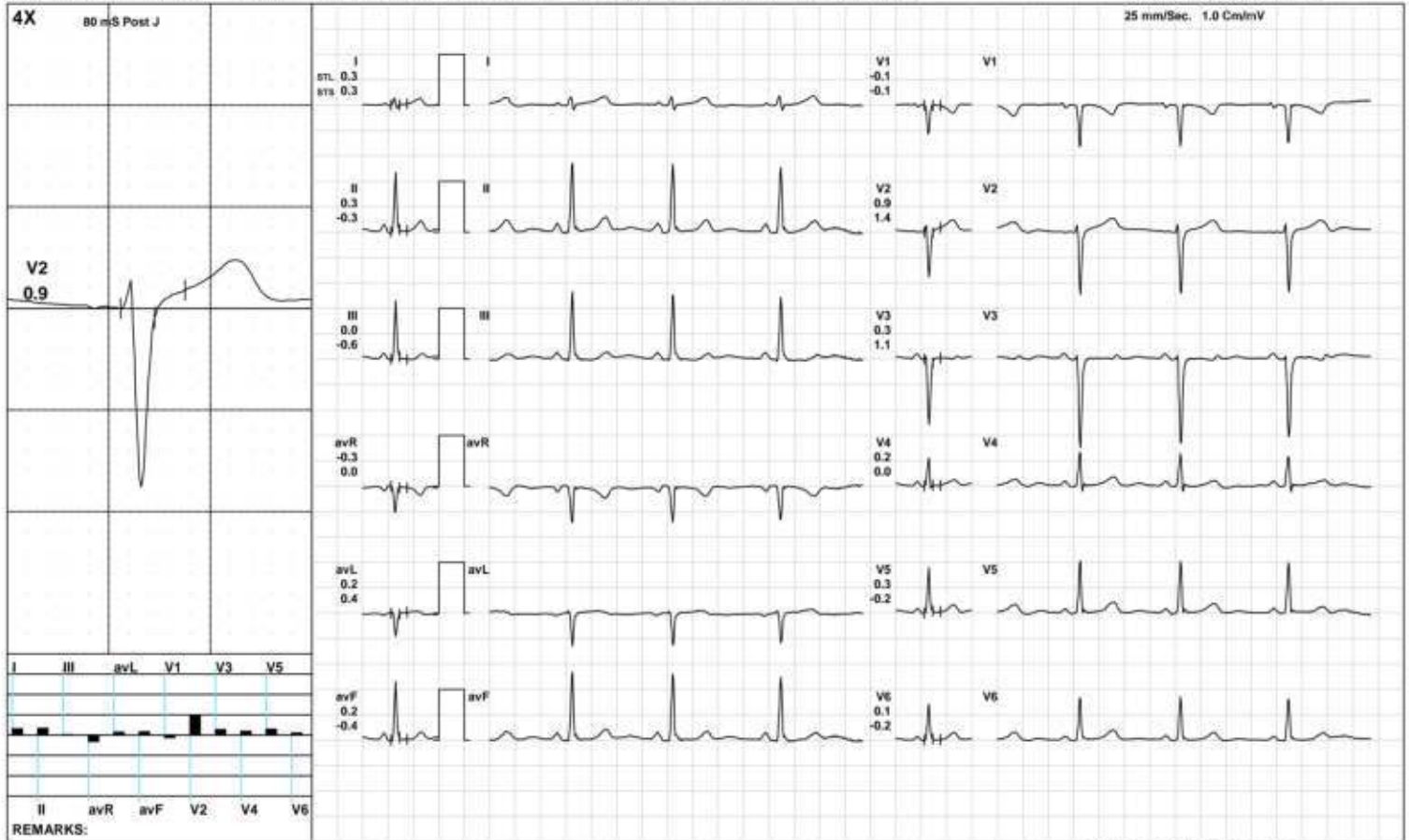
Supine



3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 75

Date: 10-Nov-2024 09:22:07 AM METS: 1.0/ 75 bpm 41% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/ LF 100 Hz

ExTime: 00:06 0.0 mph, 0.0%



**AAROGYAM DIAGNOSTIC S**

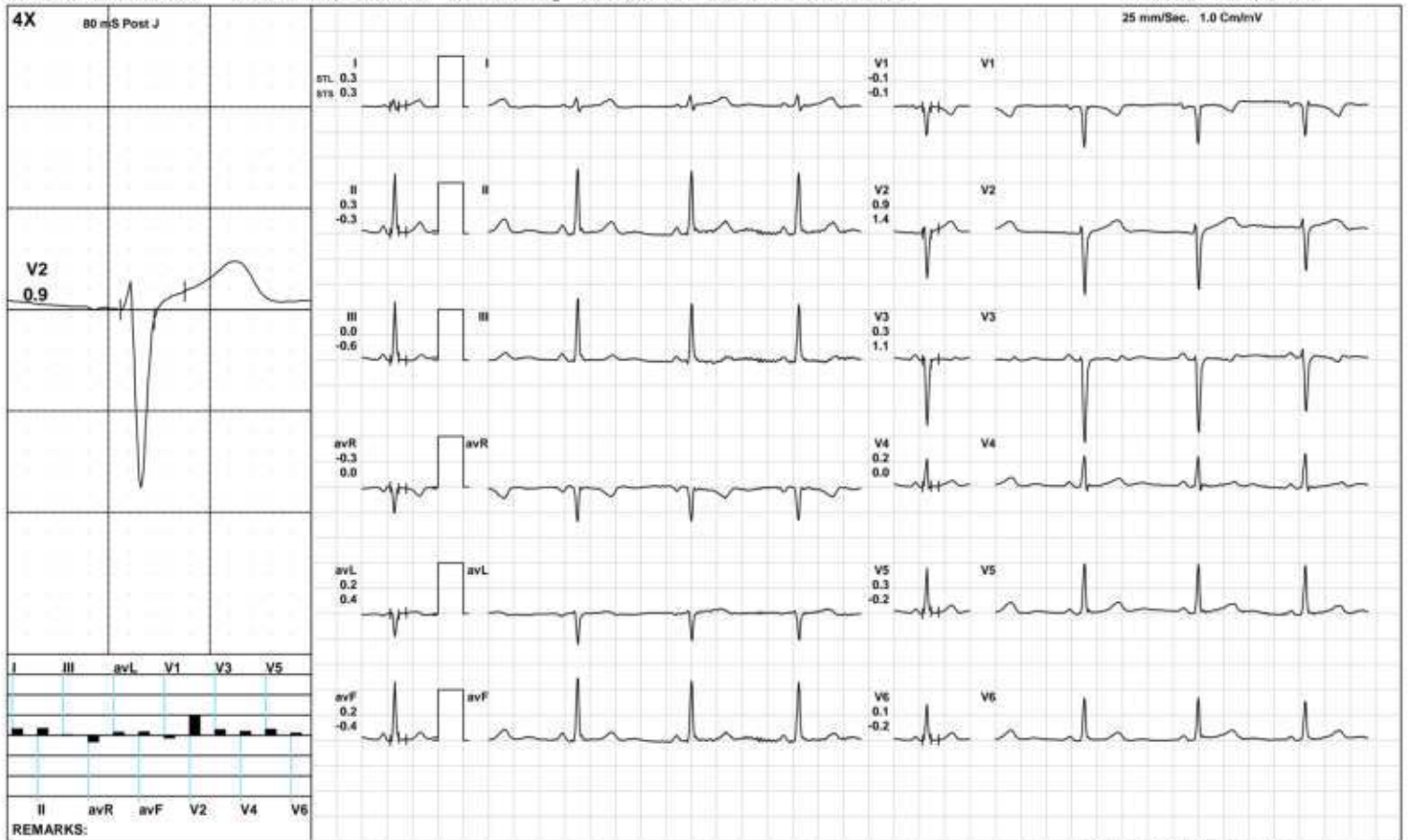
Standing



3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 75

Date: 10-Nov-2024 09:22:07 AM METS: 1.0/ 75 bpm 41% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:11 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTIC S**

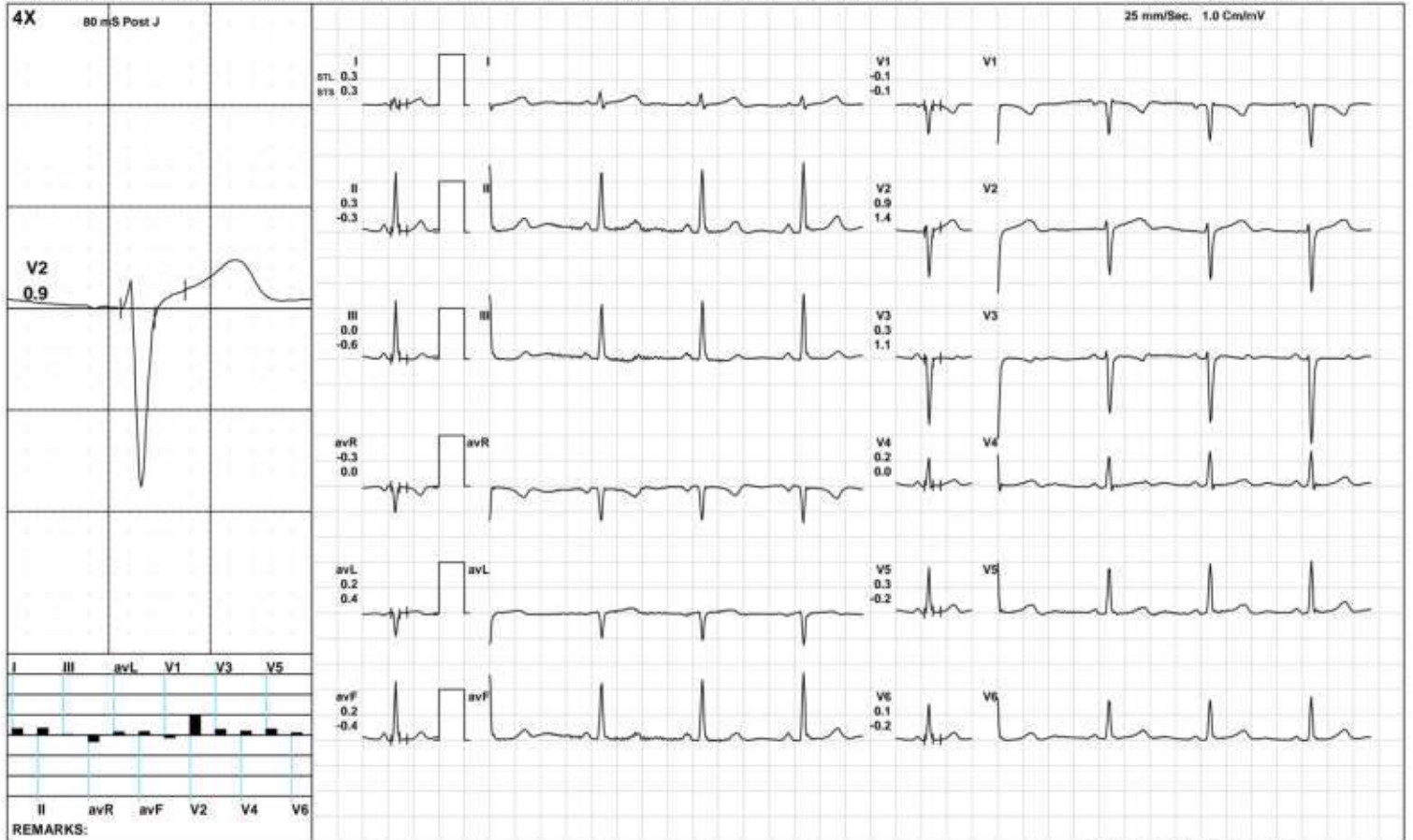
HV



3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 75

Date: 10-Nov-2024 09:22:07 AM METS: 1.0/ 75 bpm 41% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/ LF 100 Hz

ExTime: 00:16 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTIC S**

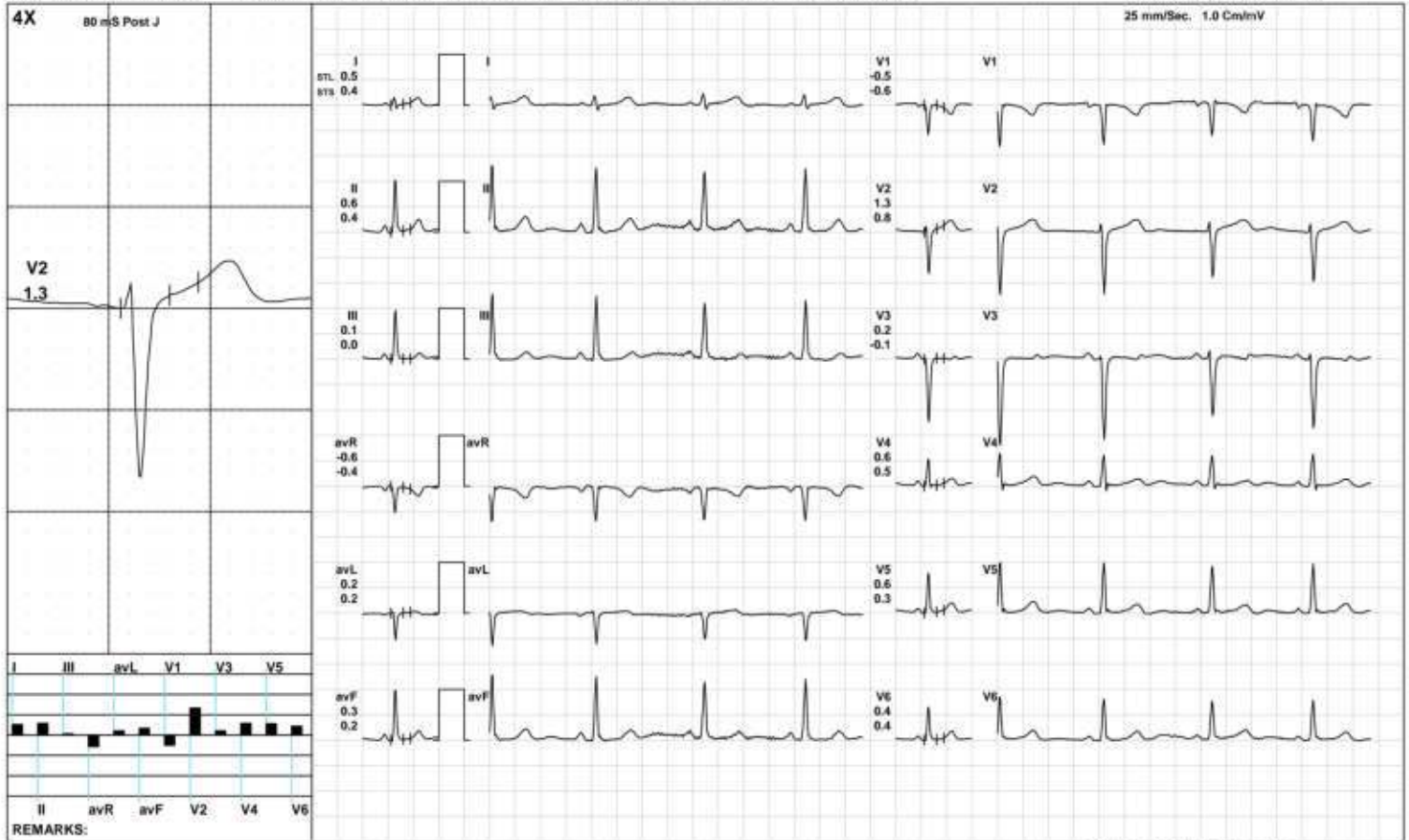
Warm Up



3299 / MRS. SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 75

Date: 10-Nov-2024 09:22:07 AM METS: 1.0/ 75 bpm 41% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/ LF 100 Hz

ExTime: 00:26 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTIC S**

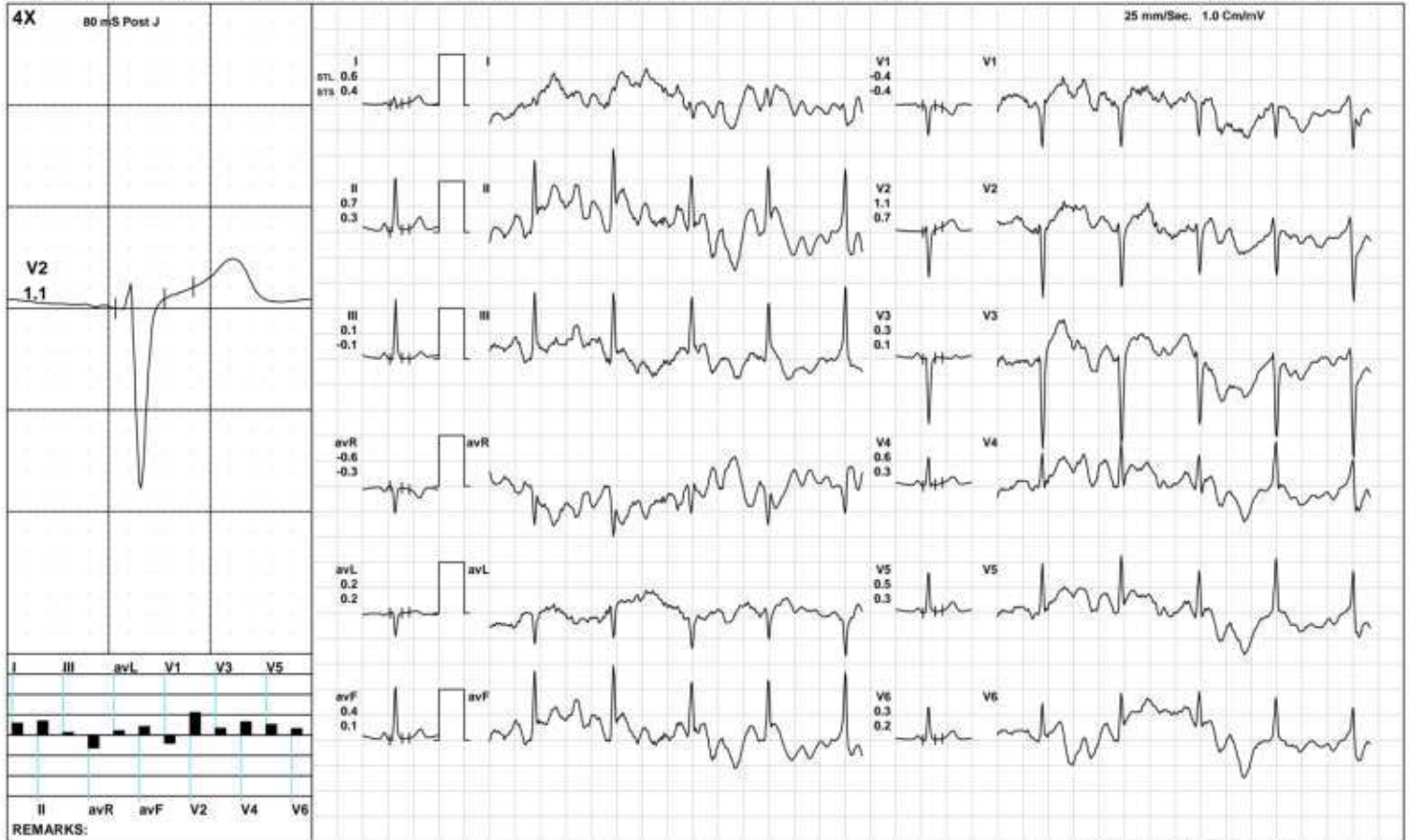
ExStart



3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 89

Date: 10-Nov-2024 09:22:07 AM METS: 1.1/ 89 bpm 49% of THR BP: 110/70 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 DIAGNOSTIC S**

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



3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 116

Date: 10-Nov-2024 09:22:07 AM METS: 4.7/ 116 bpm 64% of THR BP: 115/75 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 03:00 1.7 mph, 10.0%



**AAROGYAM DIAGNOSTIC S**

PeakEx



3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 138

Date: 10-Nov-2024 09:22:07 AM METS: 7.1/ 138 bpm 76% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 05:59 2.5 mph, 12.0%



REMARKS:



**AAROGYAM DIAGNOSTIC S**

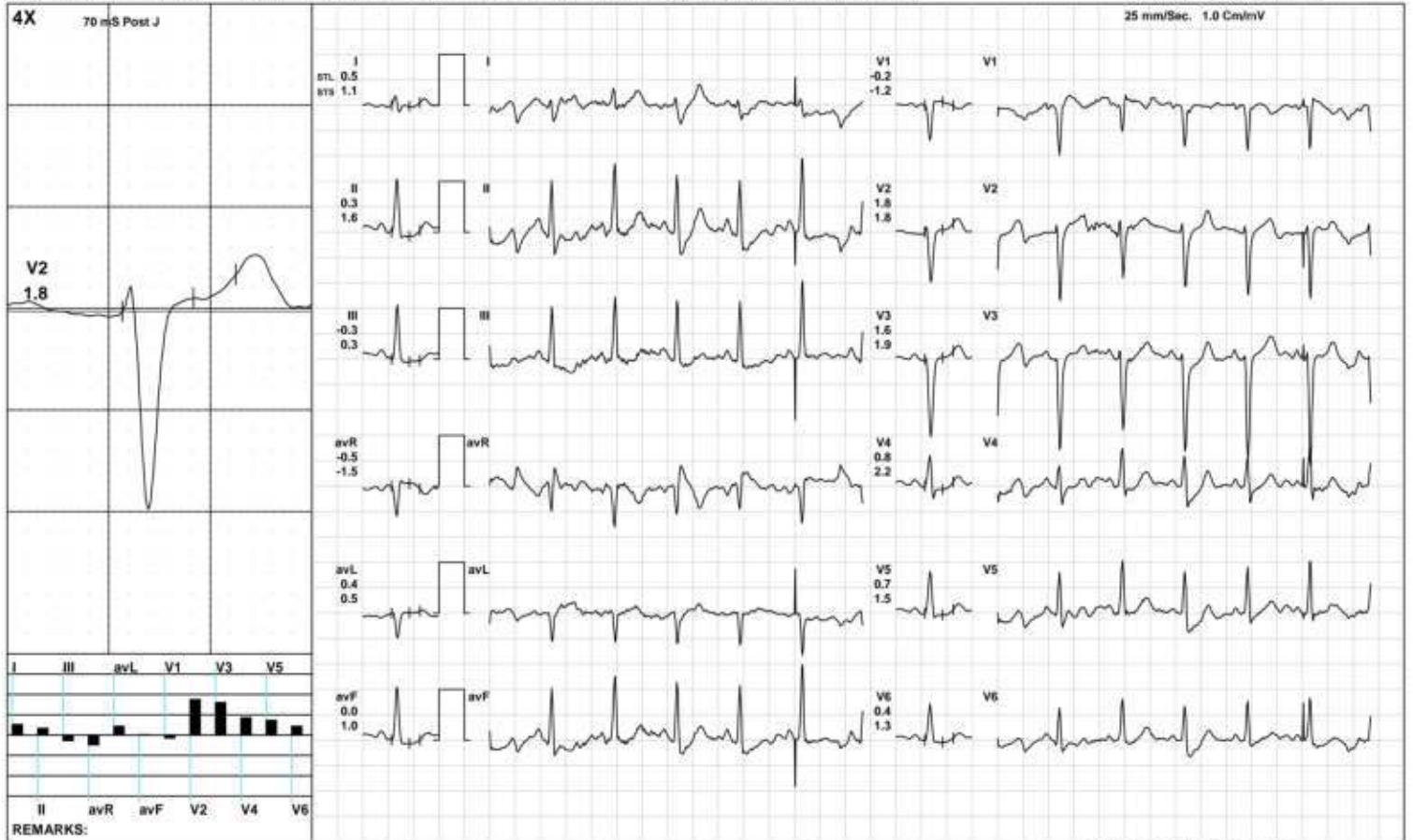
Recovery(1:00)



3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 119

Date: 10-Nov-2024 09:22:07 AM METS: 1.0/ 119 bpm 66% of THR BP: 115/75 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTIC S**

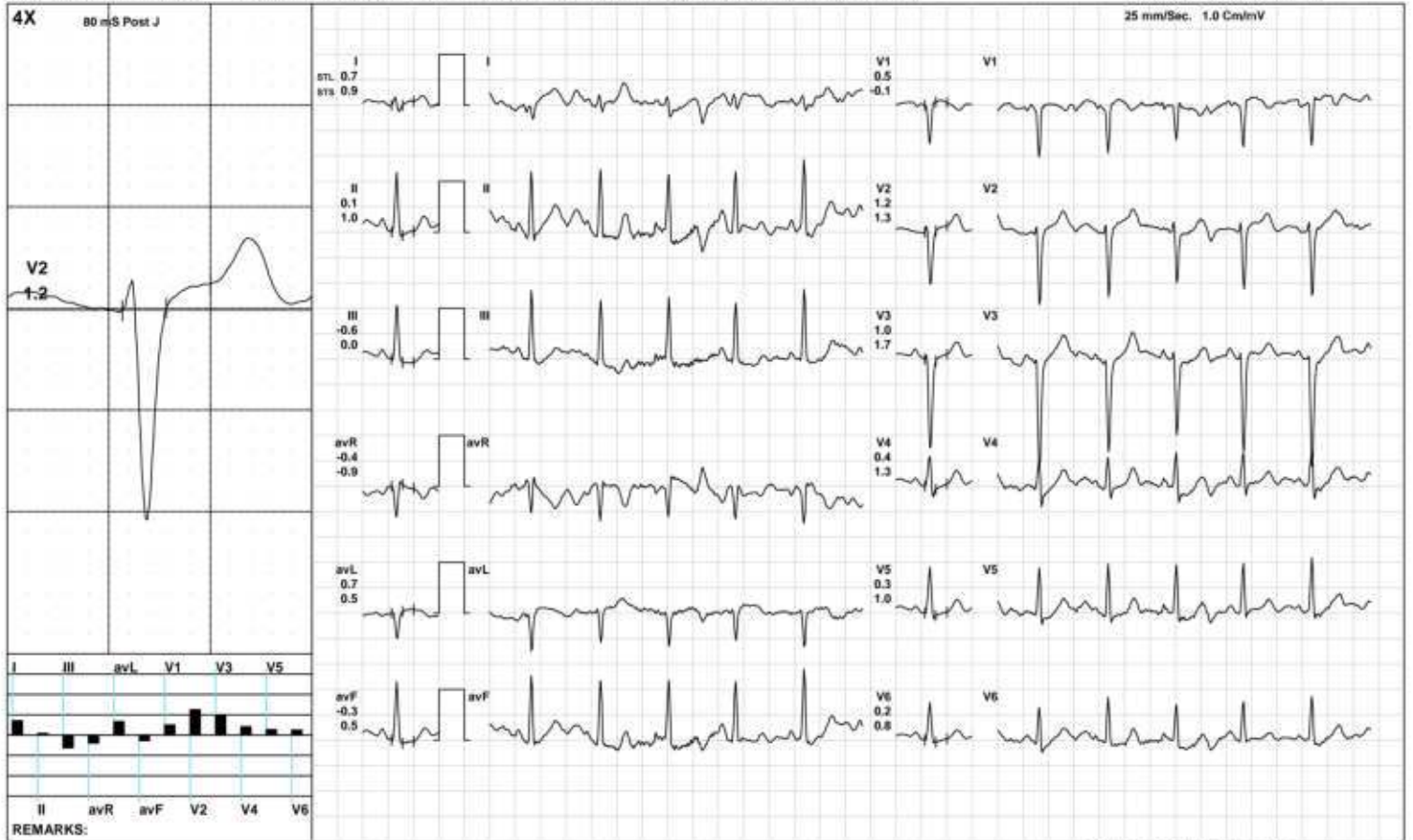
Recovery(2:00)



3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 110

Date: 10-Nov-2024 09:22:07 AM METS: 1.0/ 110 bpm 61% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTIC S**

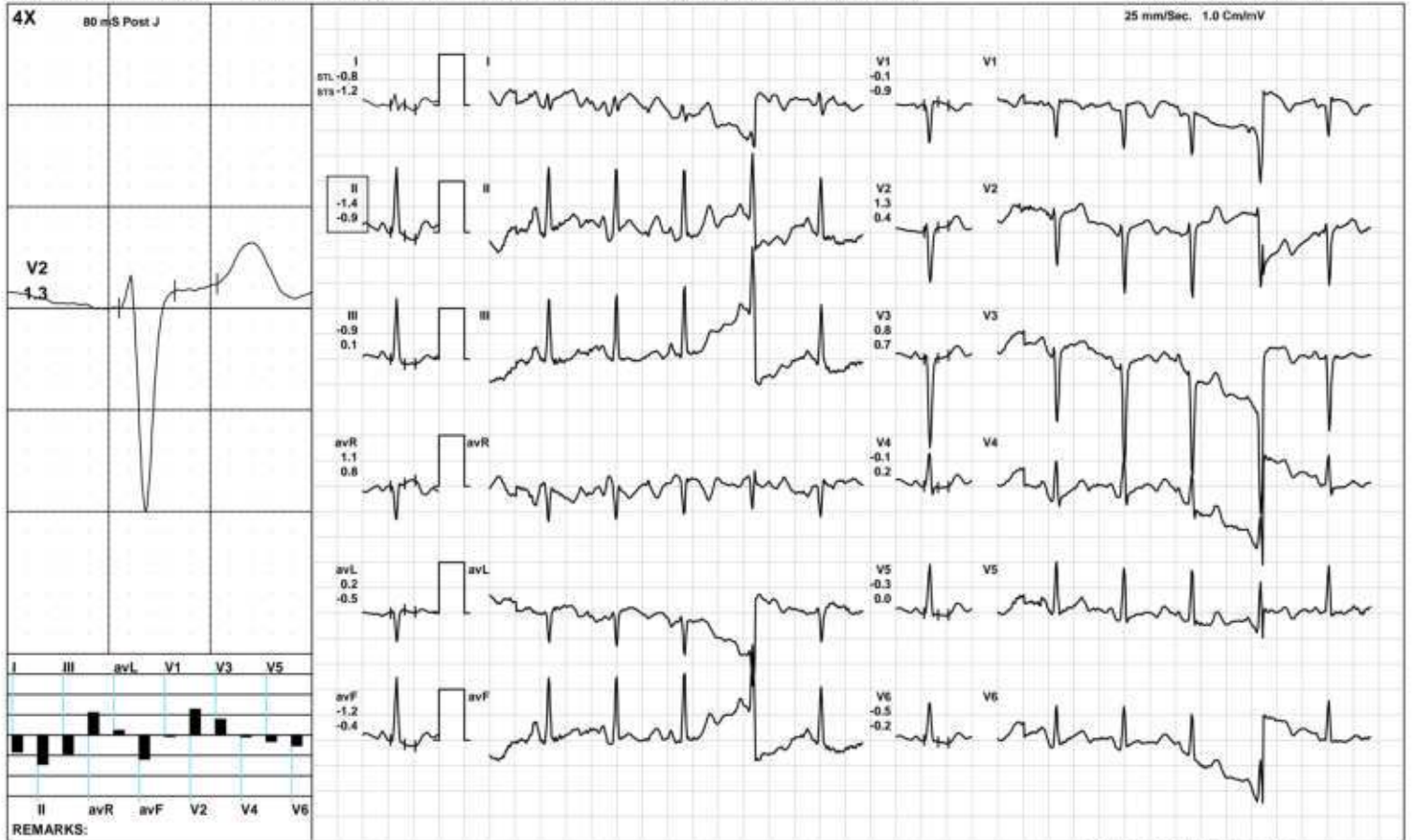
Recovery(2:45)



3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 110

Date: 10-Nov-2024 09:22:07 AM METS: 1.0/ 110 bpm 61% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 1.1 mph 0.0%



(GEM212170906)(R)Kardic by Allengers

**AAROGYAM DIAGNOSTIC S**

**ST Measurements**



3299 / MRS.SUMAN RAY / 40 Yrs / F / 145 Cms / 30 Kg / HR : 69

Date: 10-Nov-2024 09:22:07 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	0.3	0.3	0.0	-0.3	0.2	0.2	-0.1	0.9	0.3	0.2	0.3	0.1	0.3	-0.3	-0.6	0.0	0.4	-0.4	-0.1	1.4	1.1	0.0	-0.2	-0.2	
80 @mS Standing	0.3	0.3	0.0	-0.3	0.2	0.2	-0.1	0.9	0.3	0.2	0.3	0.1	0.3	-0.3	-0.6	0.0	0.4	-0.4	-0.1	1.4	1.1	0.0	-0.2	-0.2	
HV	0.3	0.3	0.0	-0.3	0.2	0.2	-0.1	0.9	0.3	0.2	0.3	0.1	0.3	-0.3	-0.6	0.0	0.4	-0.4	-0.1	1.4	1.1	0.0	-0.2	-0.2	
Warm Up	0.5	0.6	0.1	-0.6	0.2	0.3	-0.5	1.3	0.2	0.6	0.6	0.4	0.4	0.4	0.0	-0.4	0.2	0.2	-0.6	0.8	-0.1	0.5	0.3	0.4	
ExStart	0.6	0.7	0.1	-0.6	0.2	0.4	-0.4	1.1	0.3	0.6	0.5	0.3	0.4	0.3	-0.1	-0.3	0.2	0.1	-0.4	0.7	0.1	0.3	0.3	0.2	
Stage 1	2.3	1.6	-0.2	-1.7	1.0	0.7	1.4	1.8	1.4	1.4	1.0	1.3	0.7	0.2	0.1	-0.1	0.0	0.2	0.8	1.6	1.5	1.1	1.1	0.8	
PeakEx	0.6	0.2	-0.7	-0.1	0.3	-0.7	0.6	1.0	1.1	0.0	-0.2	-0.1	-1.5	-1.6	-0.8	2.9	-0.3	-1.5	0.1	0.8	0.7	-0.6	-0.1	-1.0	
Recovery	0.5	0.3	-0.3	-0.5	0.4	0.0	-0.2	1.8	1.6	0.8	0.7	0.4	1.1	1.6	0.3	-1.5	0.5	1.0	-1.2	1.8	1.9	2.2	1.5	1.3	
Recovery	0.7	0.1	-0.6	-0.4	0.7	-0.3	0.5	1.2	1.0	0.4	0.3	0.2	0.9	1.0	0.0	-0.9	0.5	0.5	-0.1	1.3	1.7	1.3	1.0	0.8	
Recovery	-0.8	-1.4	-0.9	1.1	0.2	-1.2	-0.1	1.3	0.8	-0.1	-0.3	-0.5	-1.2	-0.9	0.1	0.8	-0.5	-0.4	-0.9	0.4	0.7	0.2	0.0	-0.2	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
STI(μVs)												
Supine	3.1	3.4	0.4	-3.3	1.5	1.9	-2.3	8.2	1.4	2.6	3.4	1.9
Standing	3.1	3.4	0.4	-3.3	1.5	1.9	-2.3	8.2	1.4	2.6	3.4	1.9
HV	3.1	3.4	0.4	-3.3	1.5	1.9	-2.3	8.2	1.4	2.6	3.4	1.9
Warm Up	6.2	8.9	2.9	-7.6	1.5	5.9	-6.5	12.3	1.2	6.2	7.9	6.2
ExStart	6.4	8.8	2.5	-7.5	1.9	5.7	-5.6	10.8	2.3	6.6	6.7	4.7
Stage 1	17.1	13.9	-1.1	-14.6	8.0	6.4	10.2	12.6	10.4	10.4	6.9	9.2
PeakEx	6.0	3.2	-2.6	-4.9	2.1	-1.7	4.3	5.0	5.6	1.3	-0.8	1.4
Recovery	0.9	-1.0	-2.2	-0.1	1.7	-1.6	0.8	8.2	7.2	1.6	1.7	0.6
Recovery	5.7	1.2	-4.3	-3.4	5.1	-1.6	4.8	9.5	6.9	2.3	1.4	1.3
Recovery	-3.6	-8.0	-6.5	6.0	2.7	-7.3	0.6	11.1	6.4	0.7	-1.1	-2.8



3299 / MRS.SUMAN RAY / 40 Yrs / Female / 145 Cm / 30 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	102	68	-228	85	-20	-881	1271	-1079	-881	-747	V6	-786	0.00	0	0
01:00	105	220	72	79	369	457	1246	-1218	-509	184	II	-222	0.00	0	0
01:30	105	202	62	93	478	-406	1244	-1583	484	18	III	-25	0.00	0	0
02:00	113	202	52	84	327	354	1158	-1588	275	105	III	-66	0.00	0	0
02:30	110	202	52	74	420	291	1057	-1030	339	20	II	-54	0.00	0	0
03:00	115	84	58	82	414	195	1222	-1542	289	-109	II	-216	0.00	0	0
03:30	121	194	62	109	395	880	1337	-1763	817	-524	avL	-522	0.00	0	0
04:00	122	164	48	83	428	-621	1508	-1577	-1274	-567	V6	-521	0.00	0	0
04:30	124	100	52	79	364	-401	1514	-1589	-399	130	avF	-151	0.00	0	0
05:00	133	148	52	85	411	460	1549	-1695	416	480	II	-163	0.00	0	0
05:30	133	144	62	118	293	-469	1067	-1732	-641	-455	II	-602	0.00	0	0
06:00	136	76	72	78	480	481	1376	-1110	-449	122	avF	-214	0.00	0	0
06:30	136	106	72	85	388	383	1204	-1783	283	-105	II	-197	0.00	0	0
07:00	121	166	64	84	426	262	1140	-1076	305	-115	III	-129	0.00	0	0
07:30	115	100	64	83	408	309	1295	-1067	425	-63	III	-80	0.00	0	0
08:00	111	198	54	87	418	276	1196	-1163	365	98	III	-109	0.00	0	0
08:30	103	210	78	88	410	218	1176	-1175	330	83	III	-104	0.00	0	0
09:00	110	210	66	97	429	206	1032	-1127	-334	-20	II	-146	0.00	0	0



Name :- Suman Ray  
Pt's ID :- 18/39884  
Refd by :- Dr. Corp.

Age/Sex:-40Yrs/F  
Date :10/11/24

Thanks for referral.

**REPORT OF USG OF WHOLE ABDOMEN**

- Liver** :- Normal in size(9.1cm) with normal 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 (6.9cm)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 8.7cm and Left Kidney measures 9.0cm.
- Ureters** :- Ureters are not dilated.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Uterus** :- Normal in size (7.2cm x 3.1 cm) and anteverted in position with normal myometrial echotexture and endometrial thickness.
- Ovaries** :- Both ovaries show normal echotexture and follicular pattern. Right ovary measures 22mm x 14mm and Left ovary measures 21mm x 15mm. No pelvic (POD) collection is seen.
- Others** :- No ascites or abdominal adenopathy is seen.  
No free subphrenic / basal pleural space collection is seen.

**IMPRESSION:-** *Normal Scan.*

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



Lab Facility : Unipath House, Besides Sahjanand College, Opp. Kamdhenu Complex, Panjarapole, Ambawadi, Ahmedabad-380015 Gujarat  
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 Regd. Of- ce : 5th Floor, Doctor House, Nr. Parimal Garden, Ahmedabad-380006 Gujarat  
 CIN: U85195GJ2009PLC057059



41104100149

**TEST REPORT**

<b>Reg.No</b> : 41104100149	<b>Reg.Date</b> : 11-Nov-2024 13:48	<b>Collection</b> : 11-Nov-2024 13:48
<b>Name</b> : SUMAN RAY		<b>Received</b> : 11-Nov-2024 13:48
<b>Age</b> : 40 Years	<b>Sex</b> : Female	<b>Report</b> : 11-Nov-2024 14:40
<b>Referred By</b> : AAROGYAM DIAGNOSTICS @ PATNA		<b>Dispatch</b> : 11-Nov-2024 15:01
<b>Referral Dr</b> : <input type="checkbox"/>	<b>Status</b> : Final	<b>Location</b> : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
<b>THYROID FUNCTION TEST</b>			
T3 (triiodothyronine), Total <small>CMIA</small>	0.73	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CMIA</small>	7.09	µg/dL	5.5 - 11.0
TSH (Thyroid stimulating hormone) <small>CMIA</small>	0.927	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. Rina Prajapati**  
D.C.P. DNB (Path)  
G-21793

**Dr. Razvin Somani**

M.D. Pathology

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