

BOB

भारत सरकार
Government of India

आधार



अमित रंजन
Amit Ranjan
जन्म तारीख/DOB: 05/09/1990
पुरुष/ MALE

Download Date: 28/04/2021

Issue Date: 18/07/2018

2356 5626 9668
VID : 9159 4441-9895 4592

भारो आधार, भारी ओलप



100
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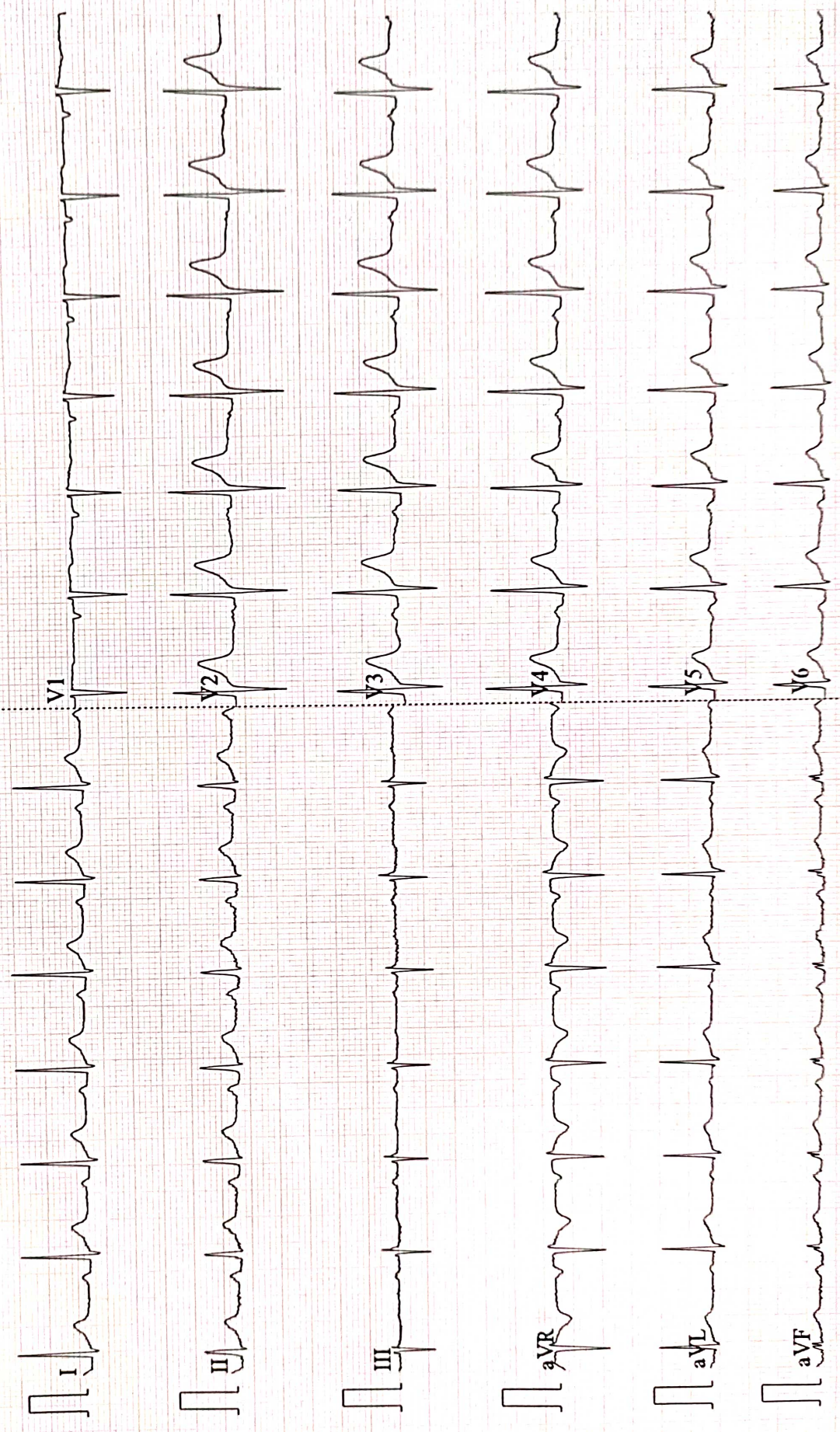
13-04-2024 10:17:28 AM

ID: 139
AMIT RANJAN
Male 33Years

Diagnosis Information:
Sinus Rhythm
Largd PtfV1

HR : 84 bpm
P : 96 ms
PR : 174 ms
QRS : 84 ms
QT/QTc : 342/404 ms
P/QRS/T : 51/16/34 °
RV5/SV1 : 1.105/0.839 mV

Ref-Phys. :
Report Confirmed by:



Patient Name	AMIT RANJAN	Date	13-04-2024
Age/Sex	33/M	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
9065875700
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www.aarogyamdiagnostics.com

Name :- Mr. Amit Ranjan
Refd by :- Corp.

Age/Sex:-33 Yrs/M
Date :-13/04/24

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Mild enlarged in size (15.5 cm) 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 (9.2 cm) 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 11.2 cm and Left Kidney measures 10.7 cm.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size (11.6cc) & 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 Changes Liver.
Otherwise Normal Scan.*

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



ISO 9001 : 2015

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Date	13/04/2024	Srl No.	11	Patient Id	2404130011
Name	Mr. AMIT RANJAN	Age	33 Yrs.	Sex	M
Ref. By	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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Date	13/04/2024	Srl No.	11	Patient Id	2404130011
Name	Mr. AMIT RANJAN	Age	33 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	13.4	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	7,500	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	62	%	40 - 75
LYMPHOCYTE	33	%	20 - 45
EOSINOPHIL	01	%	01 - 06
MONOCYTE	04	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN's METHOD)	12	mm/1st hr.	0 - 15
R B C COUNT	4.46	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	40.2	%	40 - 54
M C V	90.13	fl.	80 - 100
M C H	30.04	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	2.38	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"AB"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	78.7	mg/dl	70 - 110
SERUM CREATININE	0.98	mg%	0.7 - 1.4
BLOOD UREA	20.2	mg /dl	15.0 - 45.0
SERUM URIC ACID	4.08	mg%	3.4 - 7.0
<u>LIVER FUNCTION TEST (LFT)</u>			



Date	13/04/2024	Srl No.	11	Patient Id	2404130011
Name	Mr. AMIT RANJAN	Age	33 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.60	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.20	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.4	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.9	gm/dl	6.6 - 8.3
ALBUMIN	4.4	gm/dl	3.4 - 5.2
GLOBULIN	3.5	gm/dl	2.3 - 3.5
A/G RATIO	1.257		
SGOT	24.3	IU/L	5 - 40
SGPT	20.1	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	108.2	U/L	40.0 - 130.0
GAMMA GT	23.8	IU/L	8.0 - 71.0

LFT INTERPRET

LIPID PROFILE

TRIGLYCERIDES	98.0	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	220.1	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	60.8	mg/dL	35.1 - 88.0
V L D L	19.6	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	139.7	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.62		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	2.298		0.00 - 3.55
THYROID PROFILE			
QUANTITY	15	ml.	



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Date	13/04/2024	Srl No.	11	Patient Id	2404130011
Name	Mr. AMIT RANJAN	Age	33 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.010		
PH	6.0		
ALBUMIN	NIL		
SUGAR	NIL		
MICROSCOPIC EXAMINATION			
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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Date	13/04/2024	Srl No.	11	Patient Id	2404130011
Name	Mr. AMIT RANJAN	Age	33 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 ****

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Date 13/04/2024	Srl No. 11	Patient Id 2404130011
Name Mr. AMIT RANJAN	Age 33 Yrs.	Sex M
Ref. By Dr.BOB		

Test Name	Value	Unit	Normal Value
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BIOCHEMISTRY

BLOOD SUGAR PP	114.3	mg/dl	80 - 160
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**** End Of Report ****

Dr.R.B.RAMAN
MBBS, MD
CONSULTANT PATHOLOGIST

AAROGYAM DIAGNOSTICS
PATNA

Report



(GEM212170906)(R)Kardic by Allengers

2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg Date: 13-Apr-2024 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	105	56 %	100/70	104	00	
Standing	00:07	0:01	00.0	00.0	01.0	107	57 %	100/70	107	00	
HV	00:11	0:01	00.0	00.0	01.0	108	58 %	100/70	108	00	
Warm Up	00:23	0:01	01.0	00.0	01.0	103	55 %	100/70	103	00	
ExStart	01:05	0:06	01.7	10.0	01.1	115	61 %	100/70	115	00	
BRUCE/ Stage 1	04:05	3:00	01.7	10.0	04.7	148	79 %	105/75	155	00	
BRUCE/ Stage 2	07:05	3:00	02.5	12.0	07.1	164	88 %	110/80	180	00	
PeakEx	08:51	1:46	03.4	14.0	08.9	180	96 %	115/85	207	00	
Recovery	09:50	1:00	01.1	00.0	01.2	170	91 %	110/80	187	00	
Recovery	10:50	2:00	01.1	00.0	01.0	156	83 %	105/75	163	00	
Recovery	12:15	3:24	01.1	00.0	01.0	146	78 %	100/70	146	00	

Findings :

Exercise Time : 07:47
Max HR Attained : 196 bpm 105% of Target 187
Max BP Attained : (Sys) 115/85
Max WorkLoad Attained : 8.9 Fair response to induced stress
Max ST Dep Lead & Value : III & -0.9 mm in PeakEx mm
Test End Reasons : Test Complete

Report :

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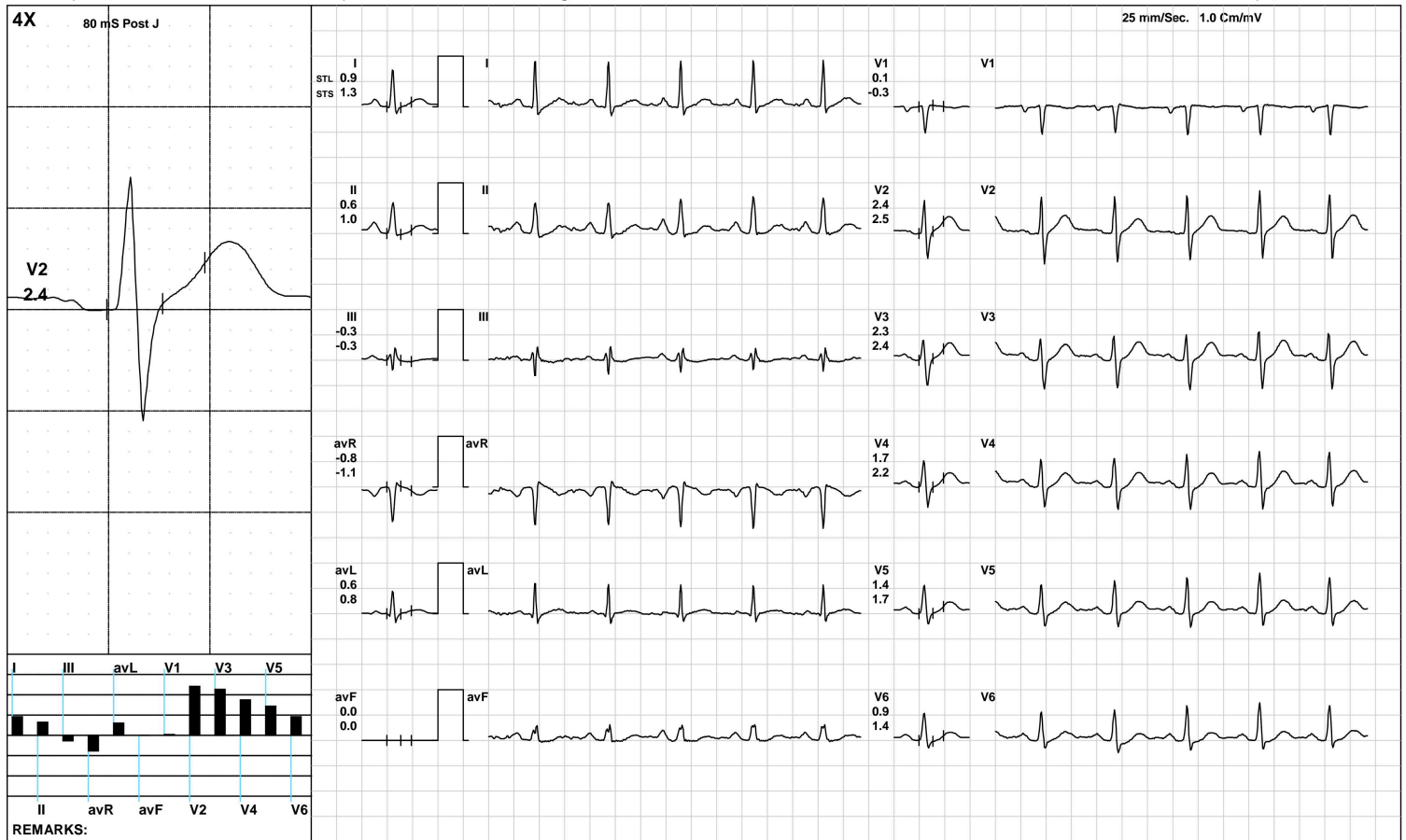
Supine



2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg / HR : 105

Date: 13-Apr-2024 01:15:00 PM METS: 1.0/ 105 bpm 56% of THR BP: 100/70 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

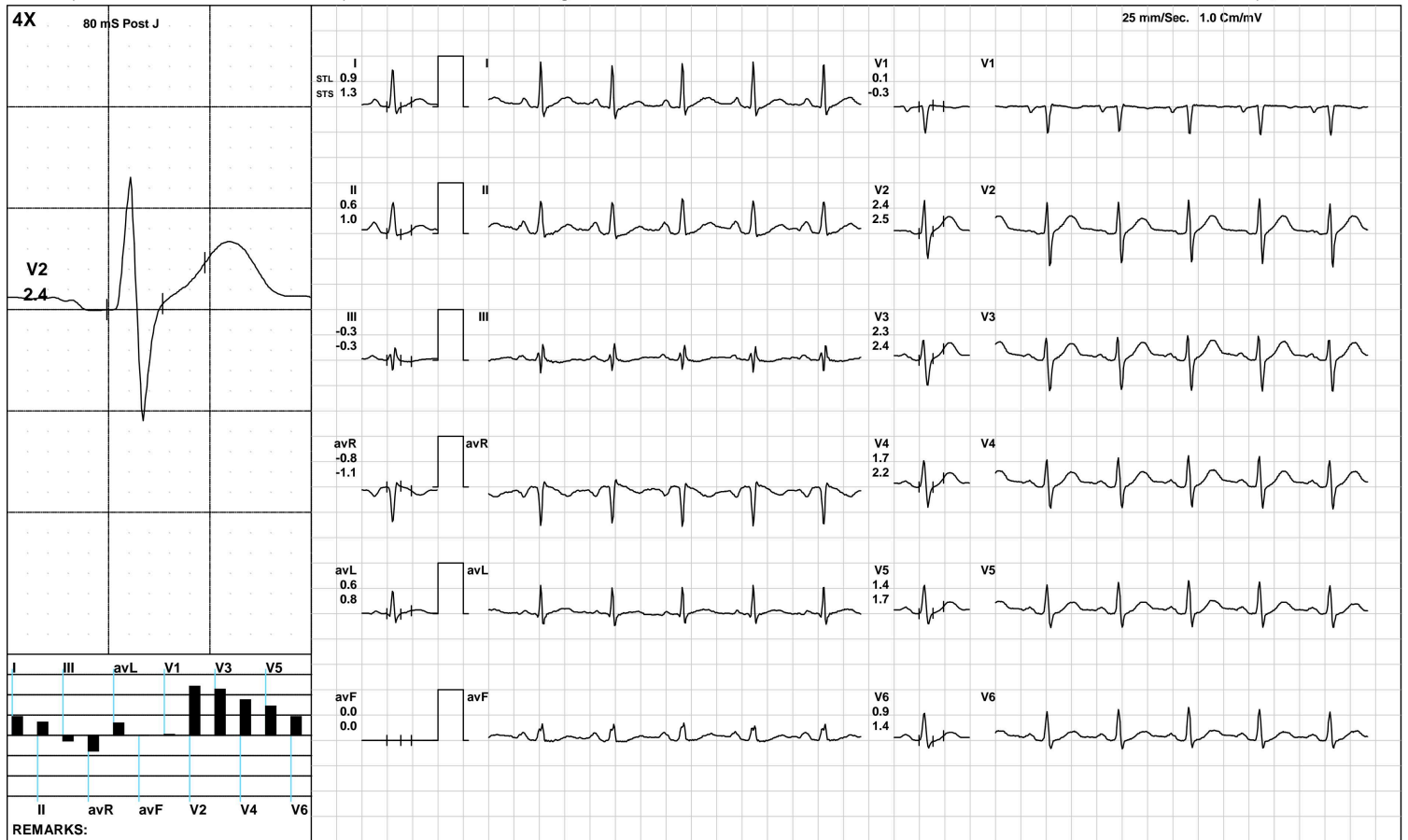
Standing



2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg / HR : 107

Date: 13-Apr-2024 01:15:00 PM METS: 1.0/ 107 bpm 57% of THR BP: 100/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:07 0.0 mph, 0.0%



AAROGYAM DIAGNOSTICS

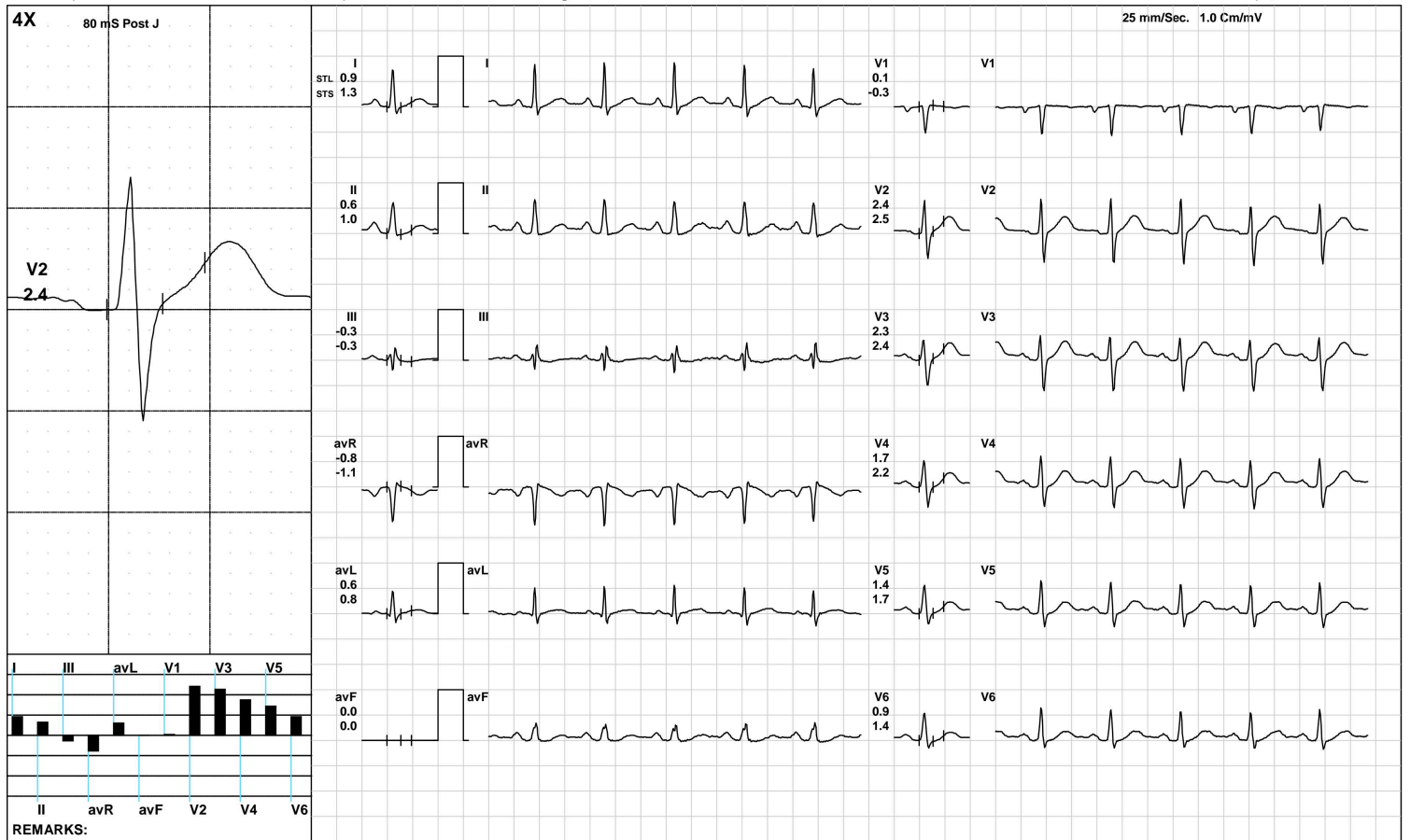
HV



2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg / HR : 108

Date: 13-Apr-2024 01:15:00 PM METS: 1.0/ 108 bpm 57% of THR BP: 100/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:11 0.0 mph, 0.0%



AAROGYAM DIAGNOSTICS

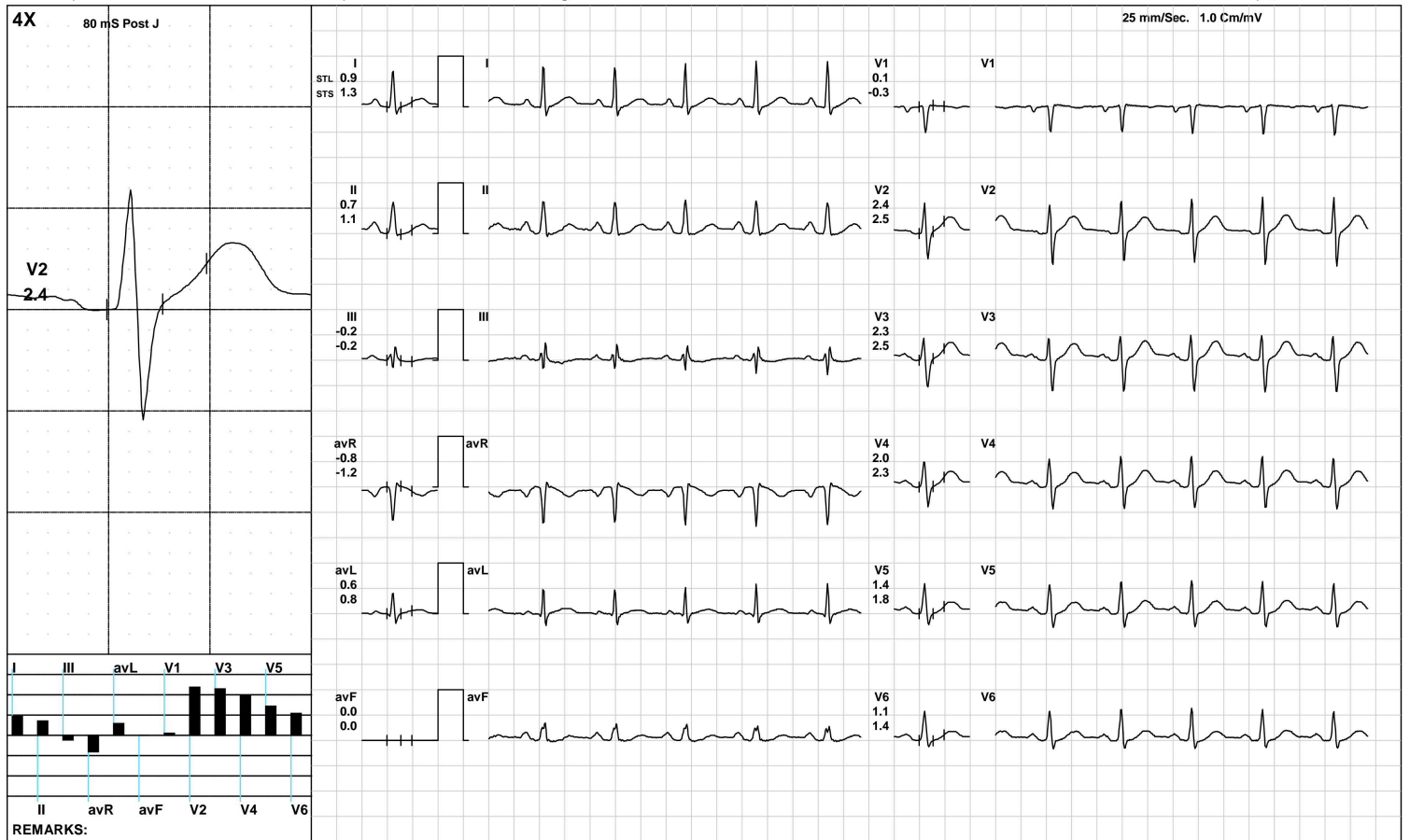
Warm Up



2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg / HR : 103

Date: 13-Apr-2024 01:15:00 PM METS: 1.0/ 103 bpm 55% of THR BP: 100/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:23 1.0 mph, 0.0%



AAROGYAM DIAGNOSTICS

ExStart



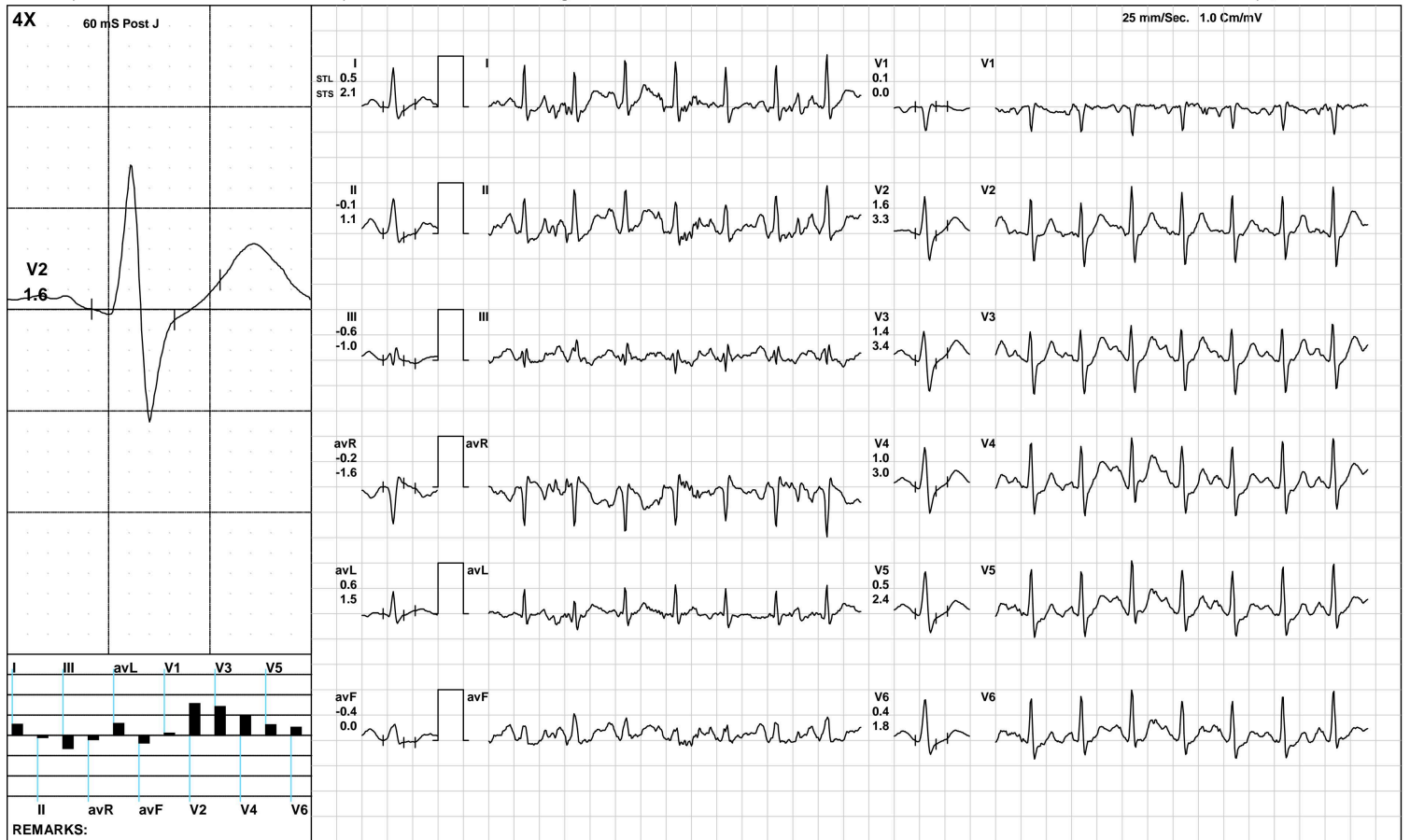
2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg / HR : 115

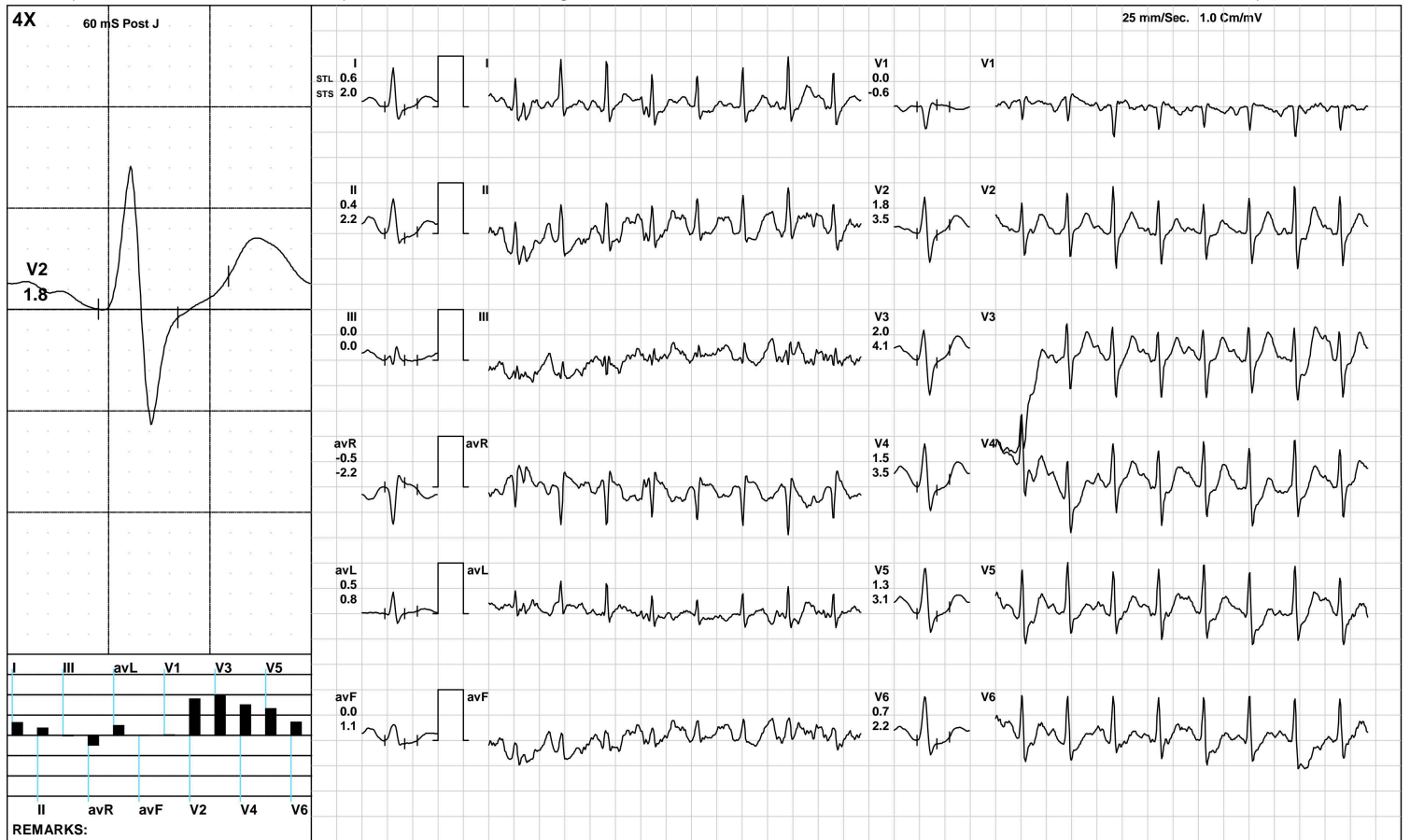
Date: 13-Apr-2024 01:15:00 PM METS: 1.1/ 115 bpm 61% of THR BP: 100/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:06 1.7 mph, 10.0%



(GEM212170906)(R)Kardic by Allengers





AAROGYAM DIAGNOSTICS

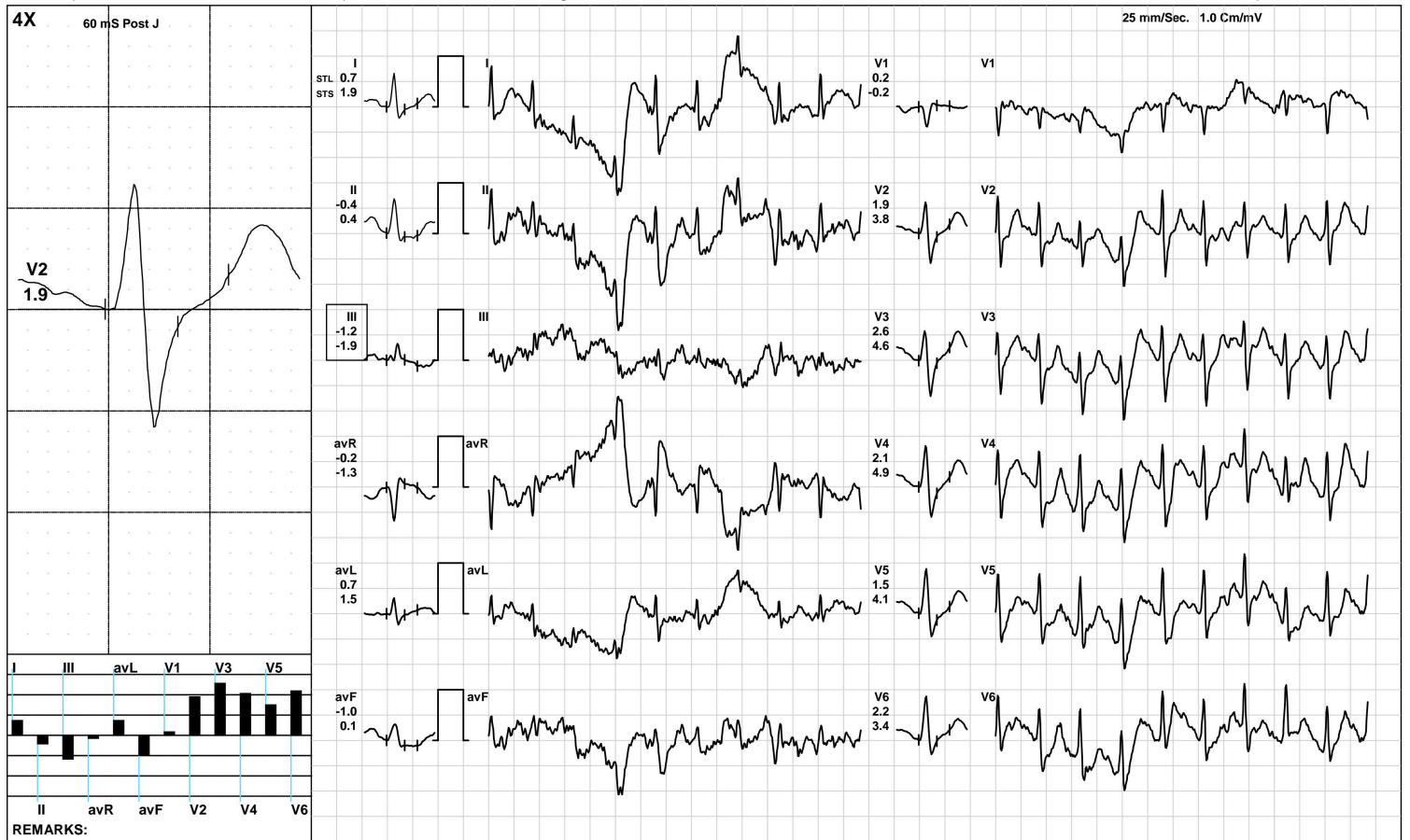
PeakEx



2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg / HR : 180

Date: 13-Apr-2024 01:15:00 PM METS: 8.9/ 180 bpm 96% of THR BP: 115/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:46 3.4 mph, 14.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

Recovery(1:00)



2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg / HR : 170

Date: 13-Apr-2024 01:15:00 PM METS: 1.2/ 170 bpm 90% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:47 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

Recovery(2:00)



2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg / HR : 156

Date: 13-Apr-2024 01:15:00 PM METS: 1.0/ 156 bpm 83% of THR BP: 105/75 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:47 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

Recovery(3:24)



2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg / HR : 146

Date: 13-Apr-2024 01:15:00 PM METS: 1.0/ 146 bpm 78% of THR BP: 100/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:47 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

ST Measurements



2689 / MR. AMIT RANJAN / 33 Yrs / M / 160 Cms / 82 Kg / HR : 104

Date: 13-Apr-2024 01:15:00 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	0.9	0.6	-0.3	-0.8	0.6	0.0	0.1	2.4	2.3	1.7	1.4	0.9	1.3	1.0	-0.3	-1.1	0.8	0.0	-0.3	2.5	2.4	2.2	1.7	1.4	
60 @mS Standing	0.9	0.6	-0.3	-0.8	0.6	0.0	0.1	2.4	2.3	1.7	1.4	0.9	1.3	1.0	-0.3	-1.1	0.8	0.0	-0.3	2.5	2.4	2.2	1.7	1.4	
HV	0.9	0.6	-0.3	-0.8	0.6	0.0	0.1	2.4	2.3	1.7	1.4	0.9	1.3	1.0	-0.3	-1.1	0.8	0.0	-0.3	2.5	2.4	2.2	1.7	1.4	
Warm Up	0.9	0.7	-0.2	-0.8	0.6	0.0	0.1	2.4	2.3	2.0	1.4	1.1	1.3	1.1	-0.2	-1.2	0.8	0.0	-0.3	2.5	2.5	2.3	1.8	1.4	
ExStart	0.6	0.5	-0.1	-0.5	0.3	0.2	0.1	2.0	1.8	1.3	1.1	0.8	1.2	1.0	-0.3	-1.1	0.8	0.3	-0.5	2.1	2.3	2.0	1.5	1.1	
Stage 1	0.5	-0.1	-0.6	-0.2	0.6	-0.4	0.1	1.6	1.4	1.0	0.5	0.4	2.1	1.1	-1.0	-1.6	1.5	0.0	0.0	3.3	3.4	3.0	2.4	1.8	
Stage 2	0.6	0.4	0.0	-0.5	0.5	0.0	0.0	1.8	2.0	1.5	1.3	0.7	2.0	2.2	0.0	-2.2	0.8	1.1	-0.6	3.5	4.1	3.5	3.1	2.2	
PeakEx	1.7	1.2	-0.9	-1.5	1.1	0.0	0.8	2.5	2.7	1.2	1.3	-0.6	2.4	3.5	0.8	-2.9	0.7	2.8	0.2	4.3	5.2	4.4	3.8	2.1	
Recovery	2.5	2.1	-0.7	-2.3	1.9	0.8	0.6	3.8	4.4	3.7	3.0	2.9	4.0	5.1	1.2	-4.5	1.2	3.1	-0.4	6.0	7.7	7.4	6.2	5.7	
Recovery	2.5	2.2	-0.2	-2.3	1.3	1.0	0.1	4.8	5.2	4.5	3.4	3.2	3.9	4.4	0.5	-4.1	1.7	2.4	-1.0	7.4	8.8	8.1	6.7	6.1	
Recovery	2.1	2.2	0.1	-2.1	1.0	1.2	-0.2	3.2	4.2	3.4	2.6	1.7	3.3	4.1	0.8	-3.7	1.2	2.4	-0.7	5.1	6.7	6.3	5.4	5.2	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
STI(μVs)												
Supine	5.4	3.8	-1.6	-4.5	3.5	0.0	0.7	15.2	14.1	10.3	8.8	5.0
Standing	5.4	3.8	-1.6	-4.5	3.5	0.0	0.7	15.2	14.1	10.3	8.8	5.0
HV	5.4	3.8	-1.6	-4.5	3.5	0.0	0.7	15.2	14.1	10.3	8.8	5.0
Warm Up	5.4	3.9	-1.4	-4.6	3.5	0.0	1.2	14.5	13.9	11.5	8.4	6.2
ExStart	2.5	2.2	-0.2	-2.4	1.4	0.9	1.6	11.5	10.3	7.0	6.0	4.4
Stage 1	0.2	-1.8	-2.1	0.8	1.2	-1.8	0.6	2.9	2.5	0.8	-1.0	-0.7
Stage 2	-0.3	-2.5	-0.3	2.0	1.5	-2.5	1.8	3.0	2.8	0.0	0.6	-1.8
PeakEx	4.6	-0.9	-6.8	-1.8	5.0	-5.4	5.4	6.9	5.3	-2.2	-0.4	-8.8
Recovery	6.2	1.3	-6.1	-3.8	8.5	-1.8	4.7	8.1	8.4	5.6	3.7	4.8
Recovery	5.3	3.1	-2.2	-4.1	3.8	0.5	2.9	11.6	11.2	8.6	5.2	5.5
Recovery	6.0	5.2	-0.8	-5.6	3.4	2.2	0.2	8.6	11.4	7.0	4.4	-0.9

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)
00:30	110	200	82	23	307	253	988	-606	388	-9	III	-46	0.00	0	0
01:00	118	168	68	21	472	240	926	-591	366	-119	II	-53	0.00	0	0
01:30	125	164	104	21	436	306	985	-851	467	-39	III	-93	0.00	0	0
02:00	135	118	76	15	325	272	888	-589	283	-155	II	-71	0.00	0	0
02:30	142	134	80	25	329	276	905	-618	335	-99	II	-59	0.00	0	0
03:00	146	116	78	21	456	265	944	-611	364	-74	avF	-105	0.00	0	0
03:30	148	122	78	24	329	308	900	-635	365	-149	II	-87	0.00	0	0
04:00	148	112	78	29	340	319	930	-646	404	13	III	-53	0.00	0	0
04:30	152	118	78	30	435	337	877	-672	402	-127	II	-46	0.00	0	0
05:00	155	120	78	25	423	332	833	-687	429	7	III	-40	0.00	0	0
05:30	157	120	78	19	421	319	880	-699	429	-79	avF	-75	0.00	0	0
06:00	160	116	78	33	420	352	922	-739	477	-117	II	-46	0.00	0	0
06:30	162	112	78	34	420	364	909	-711	508	0	III	-22	0.00	0	0
07:00	163	110	78	20	413	336	908	-727	491	-168	II	-64	0.00	0	0
07:30	167	102	92	3	362	295	902	-718	546	-270	II	-102	0.00	0	0
08:00	172	92	76	12	346	312	877	-767	514	-258	V6	-112	0.00	0	0
08:30	173	108	70	4	307	291	835	-844	554	-335	V6	-250	0.00	0	0
09:00	182	96	72	18	325	404	797	-775	587	-65	III	-66	0.00	0	0
09:30	174	102	74	32	313	377	809	-732	668	-93	III	-98	0.00	0	0
10:00	169	106	74	30	307	374	851	-748	672	25	III	-35	0.00	0	0
10:30	161	112	70	24	404	381	929	-723	723	-8	III	-23	0.00	0	0
11:00	156	106	76	32	417	395	900	-757	757	24	III	-35	0.00	0	0
11:30	152	120	76	23	301	387	923	-768	729	-27	III	-36	0.00	0	0
12:00	149	122	72	23	430	338	886	-702	692	-282	V6	-45	0.00	0	0



MC-2024

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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



40404100186

TEST REPORT

Reg.No : 40404100186	Reg.Date : 14-Apr-2024 15:33	Collection : 14-Apr-2024 15:33
Name : AMIT RANJAN		Received : 14-Apr-2024 15:33
Age : 33 Years	Sex : Male	Report : 14-Apr-2024 17:46
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 14-Apr-2024 18:06
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine), Total <small>CMI/A</small>	0.99	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CMI/A</small>	6.72	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) <small>CMI/A</small>	1.414	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. Hiral Arora

M.D. Biochemistry
Reg. No.:- G-32999