

सर्वेक्षण
Government of India

सर्वेक्षण
Vikash Paswan
जन्म तारीख/DOB: 12/02/1986
पुल्ल/ MALE

Download Date: 11/07/2019

Issue Date: 09/07/2019

9209 7276 4353
VID: 9166 2879 3894 3124
भाइरे आदार, माइती ओळख

120/80

ID: 569

VIKASH PASWAN

Male 37Years

20-02-2023 10:51:54 AM

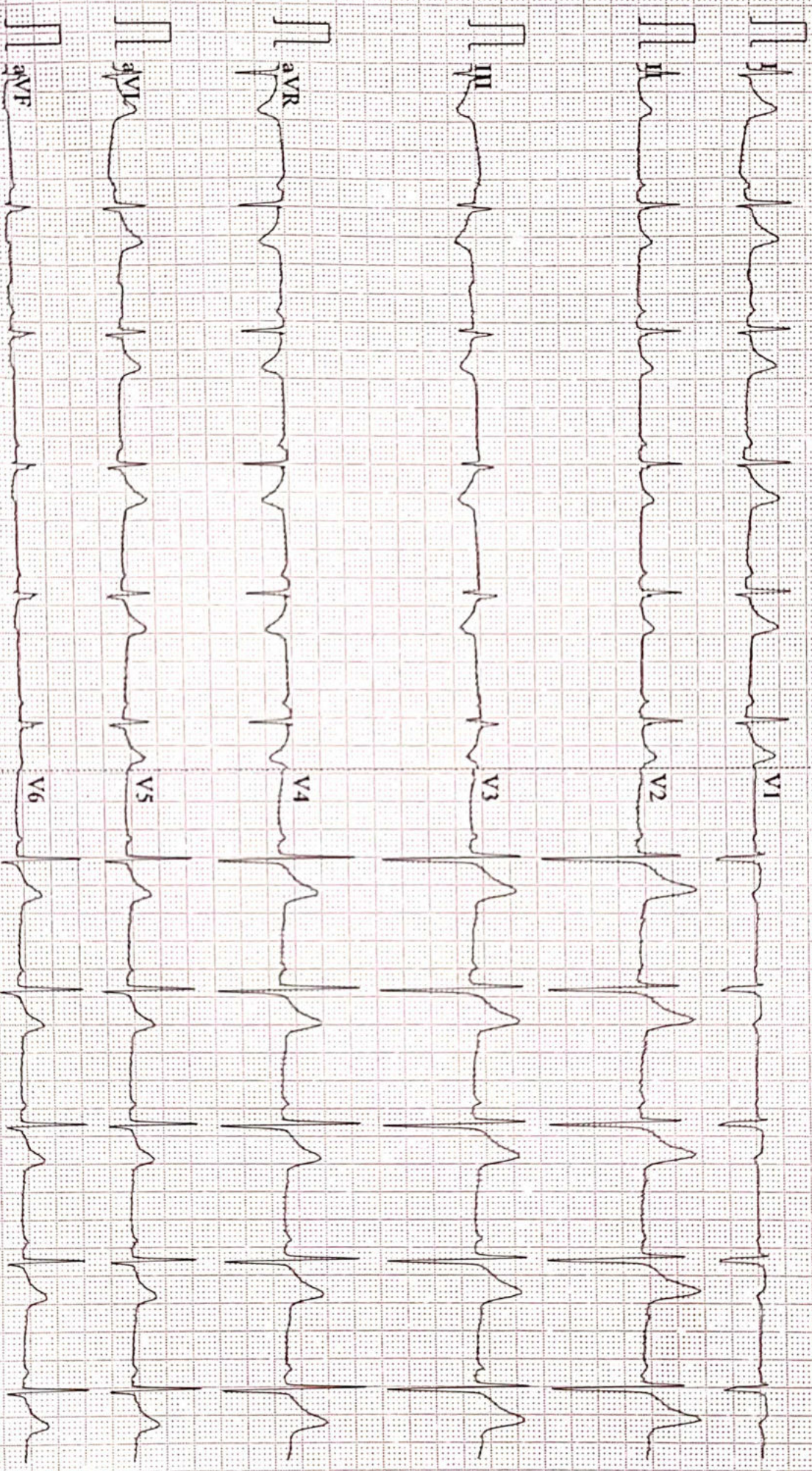
Diagnosis Information:

Sinus Rhythm

Normal ECG

HR	: 63	bpm
P	: 103	ms
PR	: 165	ms
QRS	: 82	ms
QT/QTc	: 369/380	ms
P/QRS/T	: 18/32/-3	ms
RV5/SV1	: 1219/0.725	mV

Ref-Phys:
 Report Confirmed by:



0.67~100Hz AC50 25mm/s 10mm/mV 2*5.0s V2.2 SEMIF-V1.81 DAIGNOSTIC



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

Name :- Vikash Paswan

Age/Sex:- 37Yrs/M

Refd by :- Corp

Date :-20/02/23

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Enlarged in size (16.4cm) 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 (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 10.4cm and Left Kidney measures 11.2cm.
- Ureters** :- Ureters are not dilated.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size (18.4CC)& echotexture.
- Others** :- No ascites or abdominal adenopathy is seen.
No free subphrenic / basal pleural space collection is seen.

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

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



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Date	20/02/2023	Srl No.	5	Patient Id	2302200005
Name	Mr. VIKASH PASWAN	Age	37 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	5.3	%	

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	20/02/2023	Srl No. 5	Patient Id 2302200005
Name	Mr. VIKASH PASWAN	Age 37 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)	7,100	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	67	%	40 - 75
LYMPHOCYTE	29	%	20 - 45
EOSINOPHIL	01	%	01 - 06
MONOCYTE	03	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN's METHOD)	13	mm/1st hr.	0 - 15
R B C COUNT	4.86	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	42.06	%	40 - 54
M C V	86.54	fl.	80 - 100
M C H	28.81	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	2.68	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"B"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	94.5	mg/dl	70 - 110
SERUM CREATININE	1.20	mg%	0.7 - 1.4
BLOOD UREA	21.6	mg /dl	15.0 - 45.0
SERUM URIC ACID	4.9	mg%	3.4 - 7.0

LIVER FUNCTION TEST (LFT)



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Date	20/02/2023	Srl No. 5	Patient Id 2302200005
Name	Mr. VIKASH PASWAN	Age 37 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)	0.24	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.45	mg/dl	0.00 - 0.70
TOTAL PROTEIN	6.8	gm/dl	6.6 - 8.3
ALBUMIN	3.5	gm/dl	3.4 - 5.2
GLOBULIN	3.3	gm/dl	2.3 - 3.5
A/G RATIO	1.061		
SGOT	37.1	IU/L	5 - 40
SGPT	40.8	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	97.6	U/L	40.0 - 130.0
GAMMA GT	23.9	IU/L	8.0 - 71.0

LFT INTERPRET**LIPID PROFILE**

TRIGLYCERIDES	90.6	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	152.5	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	50.1	mg/dL	35.1 - 88.0
V L D L	18.12	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	84.28	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.044		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.682		0.00 - 3.55
THYROID PROFILE			
QUANTITY	15	ml.	



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Date	20/02/2023	Srl No. 5	Patient Id 2302200005
Name	Mr. VIKASH PASWAN	Age 37 Yrs.	Sex M
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.0120		
PH	6.5		
ALBUMIN	NIL		
SUGAR	NIL		
MICROSCOPIC EXAMINATION			
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 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	20/02/2023	Srl No.	5	Patient Id	2302200005
Name	Mr. VIKASH PASWAN	Age	37 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



1786 / MR. VIKASH PASWAN / 37 Yrs / M / 173 Cms / 104 Kg Date: 20-Feb-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	88	48 %	---/---	000	00	
Standing	00:11	0:01	00.0	00.0	01.0	95	52 %	---/---	000	00	
HV	00:20	0:01	00.0	00.0	01.0	096	52 %	---/---	000	00	
Warm Up	01:03	0:01	01.0	00.0	01.0	091	50 %	---/---	000	00	
ExStart	01:13	0:06	01.7	10.0	01.1	105	57 %	---/---	000	00	
BRUCE/ Stage 1	04:13	3:00	01.7	10.0	04.7	122	67 %	125/85	152	00	
BRUCE/ Stage 2	07:13	3:00	02.5	12.0	07.1	141	77 %	130/90	183	00	
BRUCE/ Stage 3	10:13	3:00	03.4	14.0	10.2	161	88 %	135/95	217	00	
PeakEx	10:19	0:07	01.1	00.0	10.3	162	89 %	135/95	218	00	
Recovery	11:18	1:00	01.1	00.0	04.3	139	76 %	130/90	180	00	
Recovery	12:18	2:00	01.1	00.0	01.0	120	66 %	125/85	150	00	
Recovery	13:49	3:30	01.1	00.0	01.0	116	63 %	120/80	139	00	

Findings :

Exercise Time : 09:07
 Max HR Attained : 162 bpm 89% of Target 183
 Max BP Attained : (Sys) 135/95
 Max WorkLoad Attained : 10.3 Good response to induced stress
 Max ST Dep Lead & Value : III & -1.5 mm in Supine mm
 Test End Reasons : Test Complete

Report :

Aarogam Diagnostics

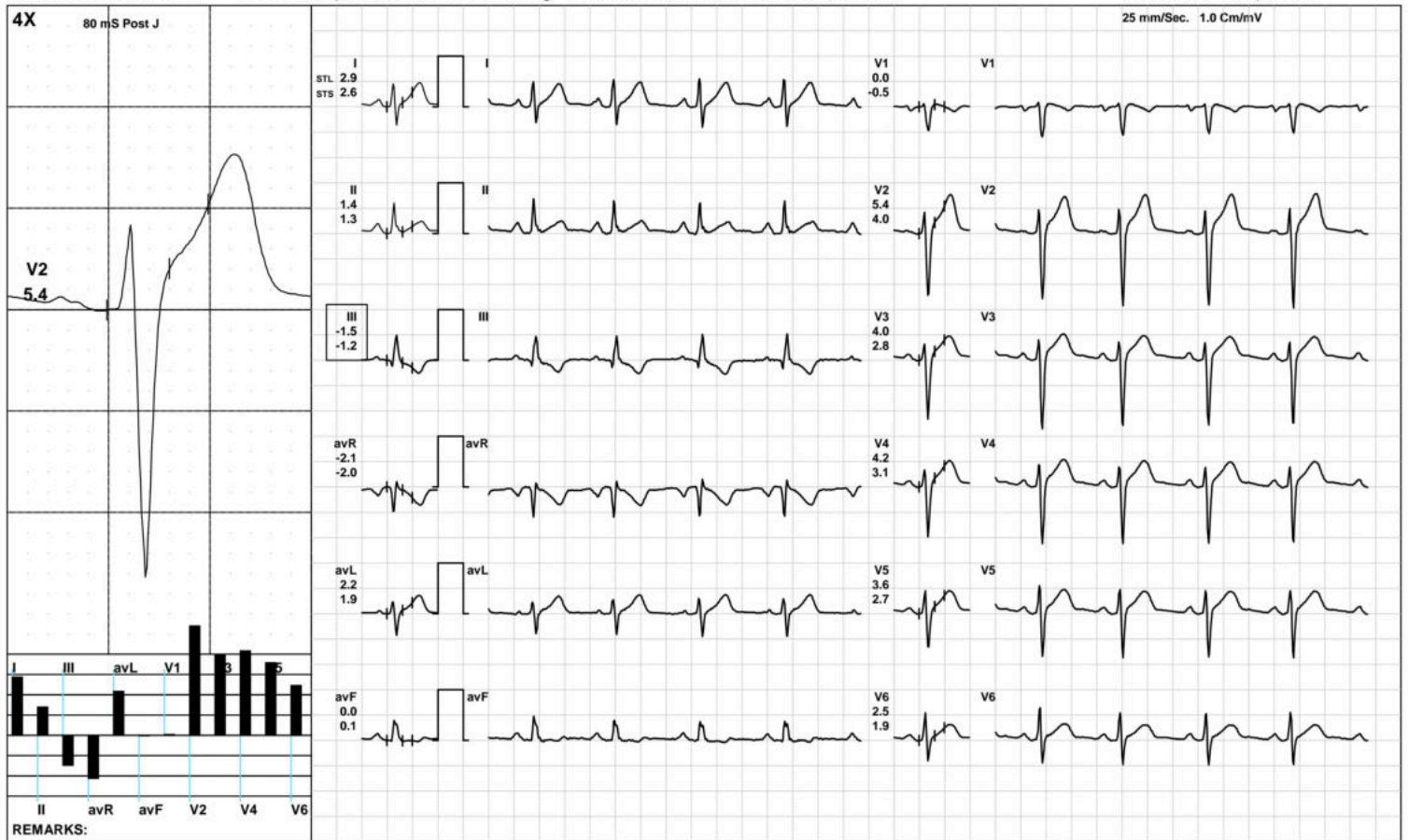
Supine



1786 / MR. VIKASH PASWAN / 37 Yrs / M / 173 Cms / 104 Kg / HR : 88

Date: 20-Feb-2023 12:44:15 PM METS: 1.0/ 88 bpm 48% of THR BP: --- mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:05 0.0 mph, 0.0%



Aarogam Diagnostics

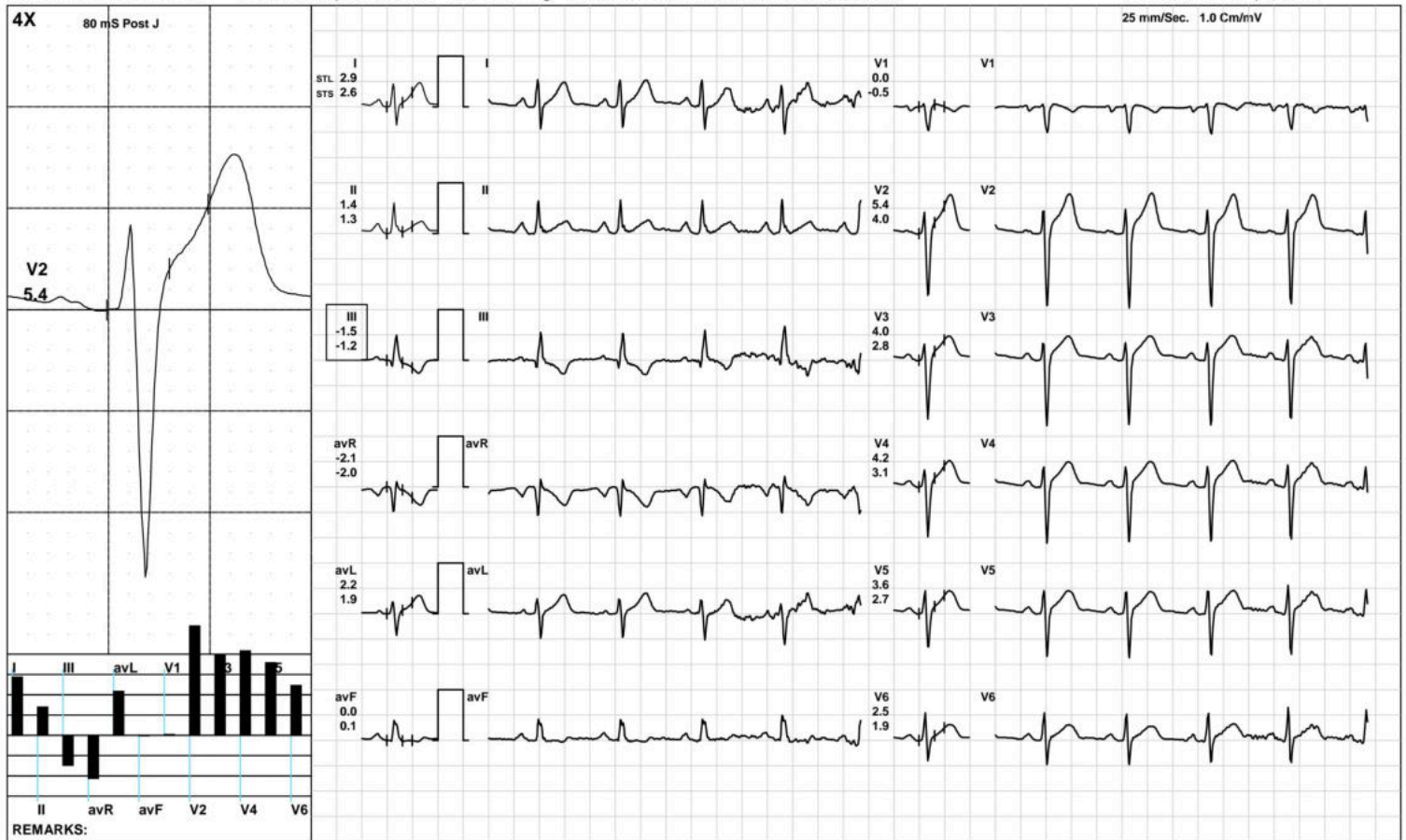
Standing



1786 / MR. VIKASH PASWAN / 37 Yrs / M / 173 Cms / 104 Kg / HR : 95

Date: 20-Feb-2023 12:44:15 PM METS: 1.0/ 95 bpm 51% of THR BP: --- mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:11 0.0 mph, 0.0%



Aarogam Diagnostics

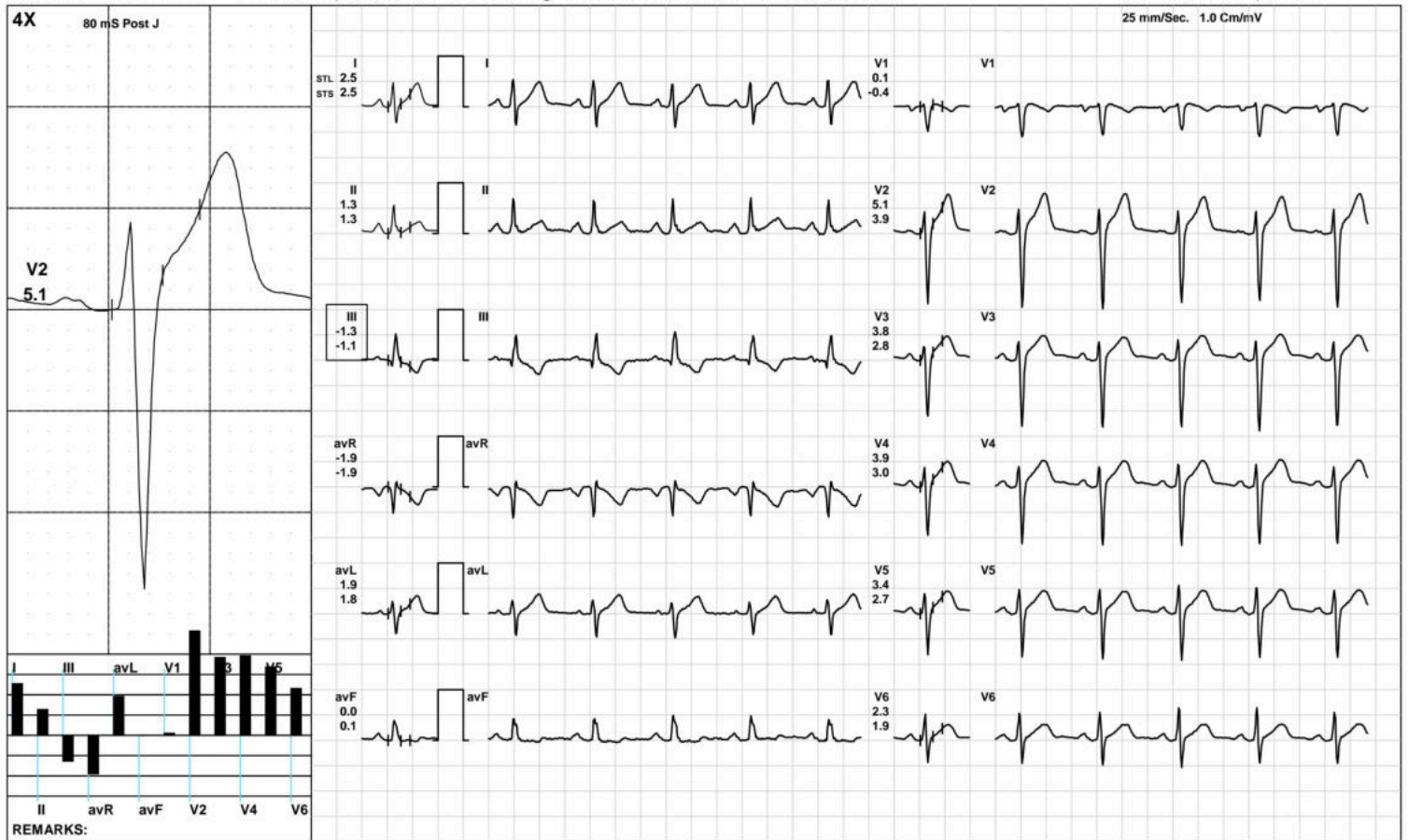
HV



1786 / MR. VIKASH PASWAN / 37 Yrs / M / 173 Cms / 104 Kg / HR : 96

Date: 20-Feb-2023 12:44:15 PM METS: 1.0/ 96 bpm 52% of THR BP: --- mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:20 0.0 mph, 0.0%



Aarogam Diagnostics

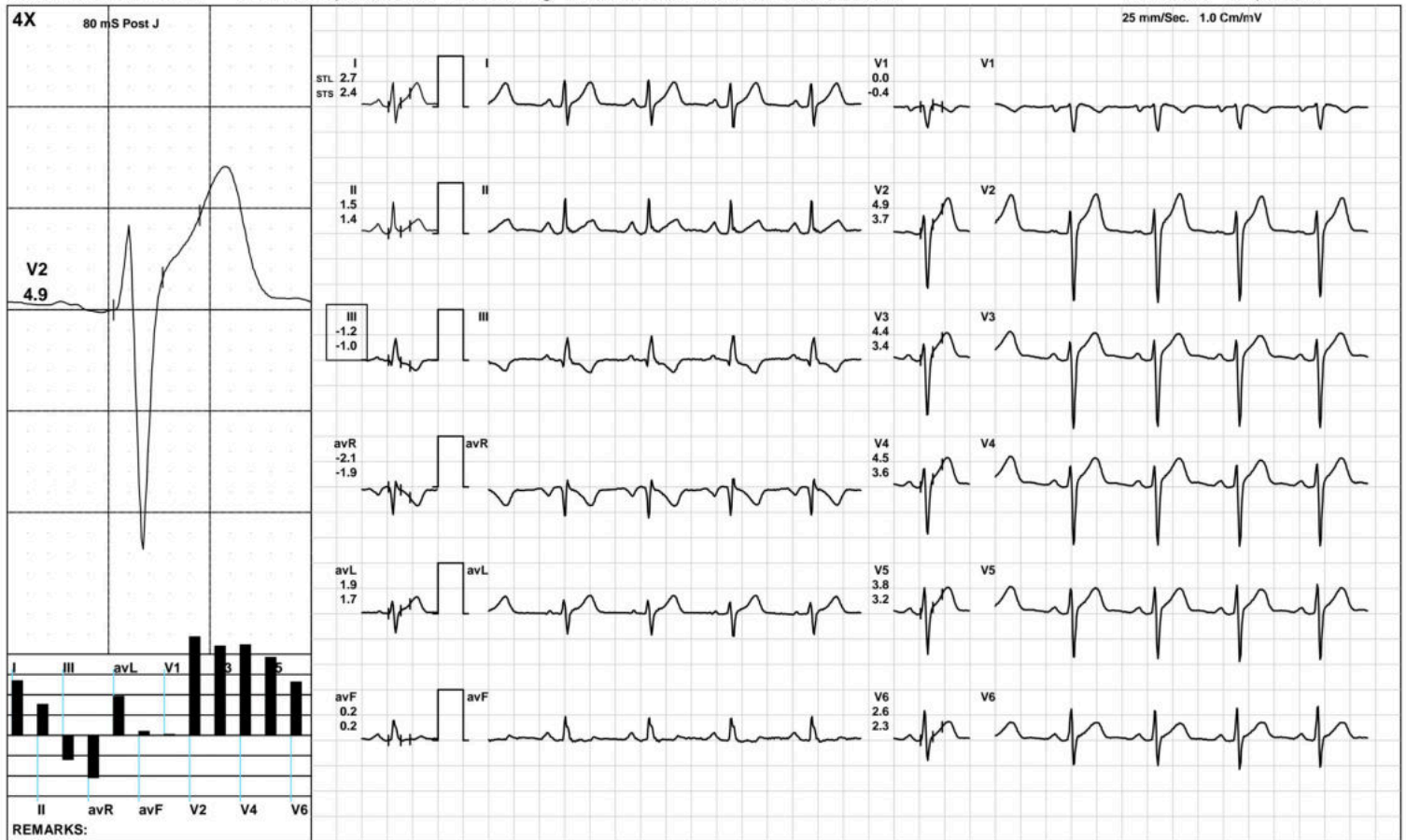
Warm Up



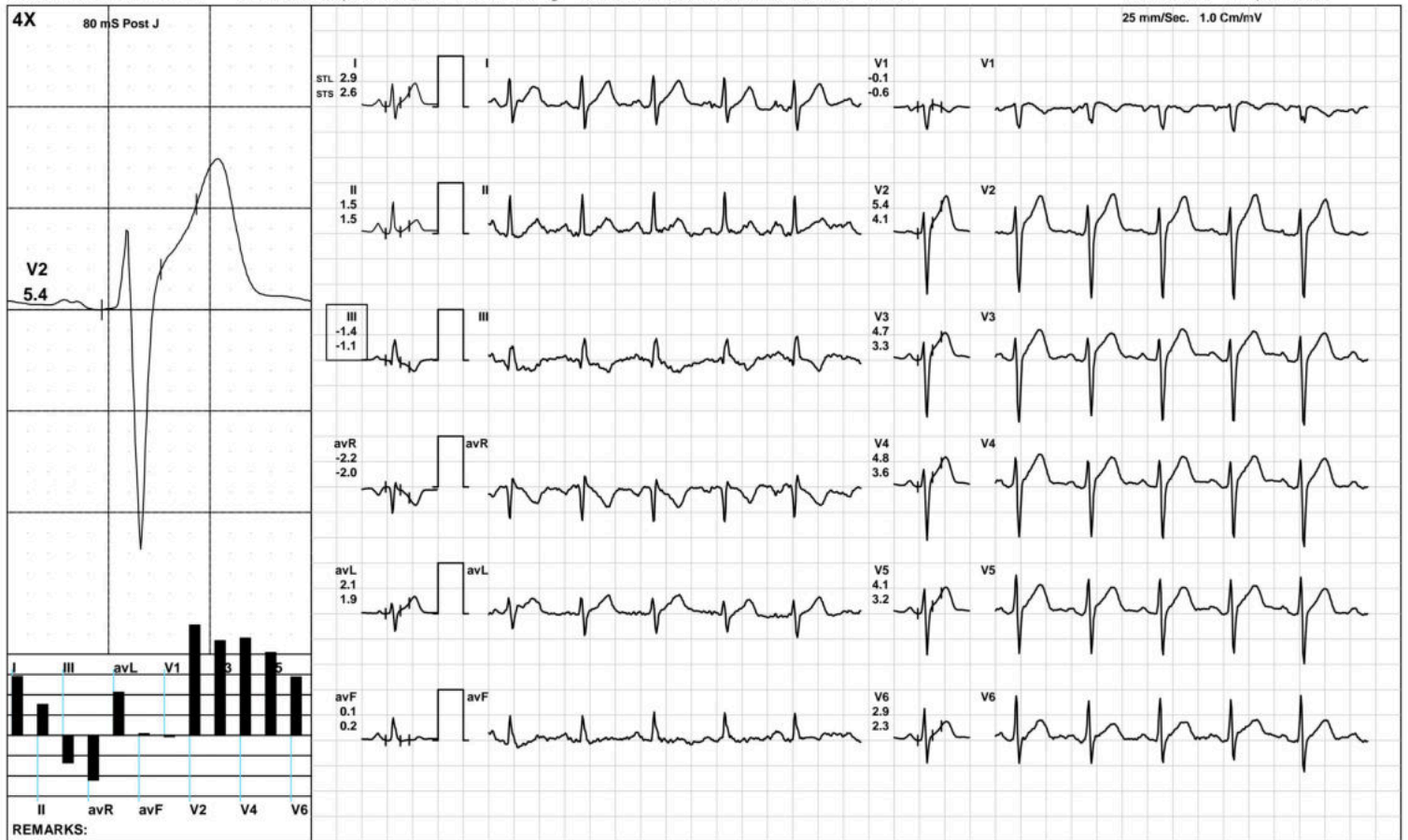
1786 / MR. VIKASH PASWAN / 37 Yrs / M / 173 Cms / 104 Kg / HR : 91

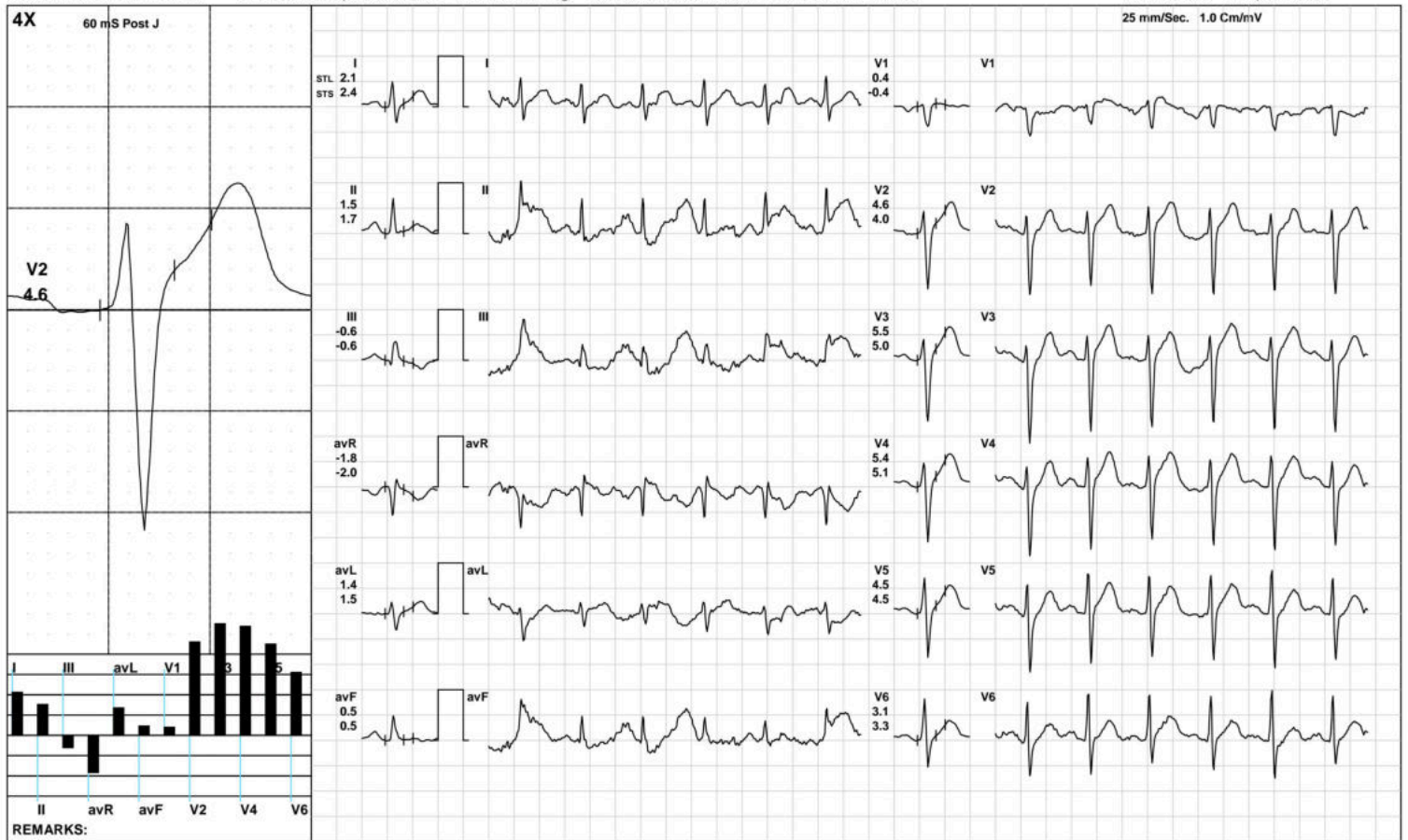
Date: 20-Feb-2023 12:44:15 PM METS: 1.0/ 91 bpm 49% of THR BP: --- mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

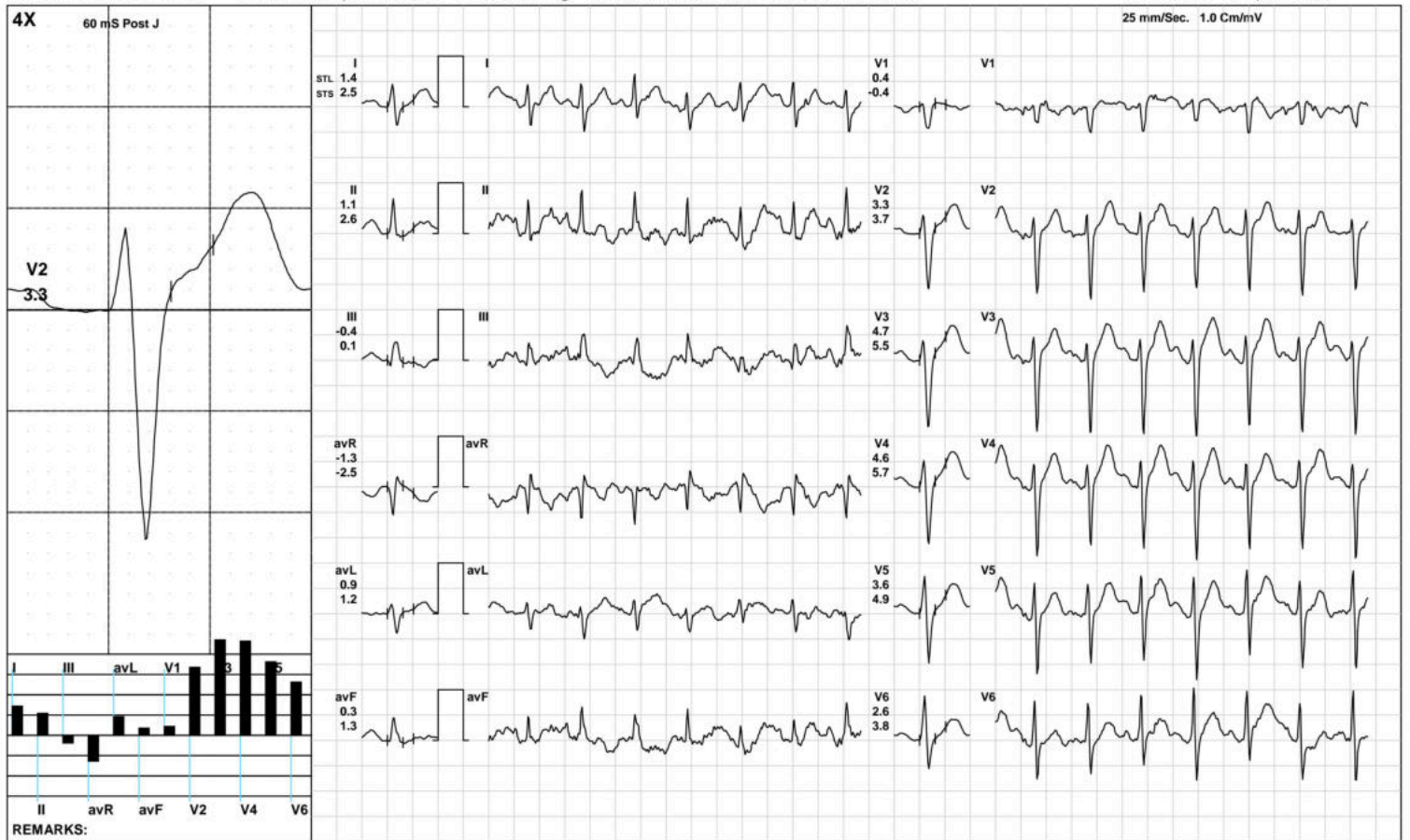
ExTime: 01:03 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers





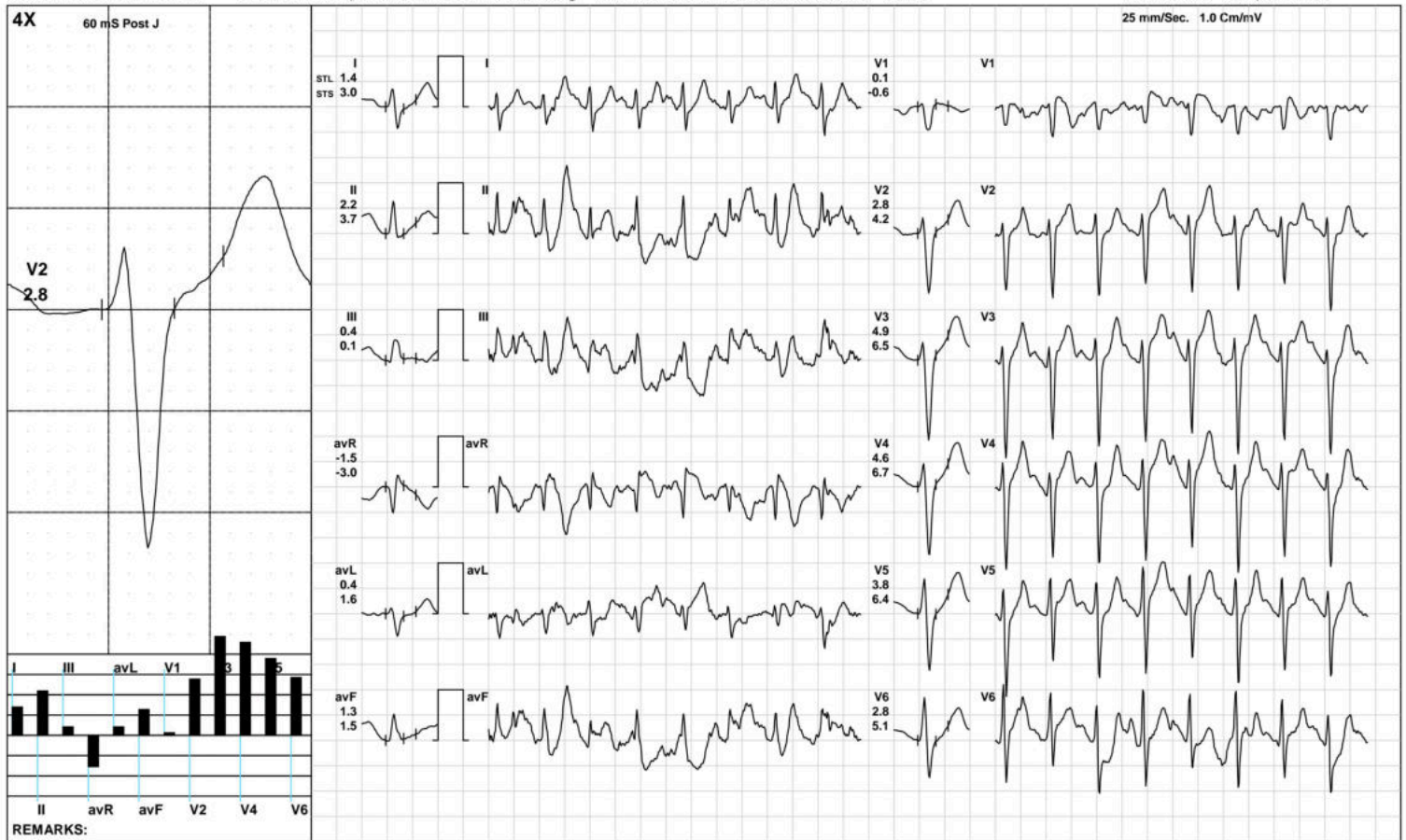




1786 / MR. VIKASH PASWAN / 37 Yrs / M / 173 Cms / 104 Kg / HR : 161

Date: 20-Feb-2023 12:44:15 PM METS: 10.2/ 161 bpm 87% of THR BP: 135/95 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:00 3.4 mph, 14.0%



Aarogam Diagnostics

PeakEx



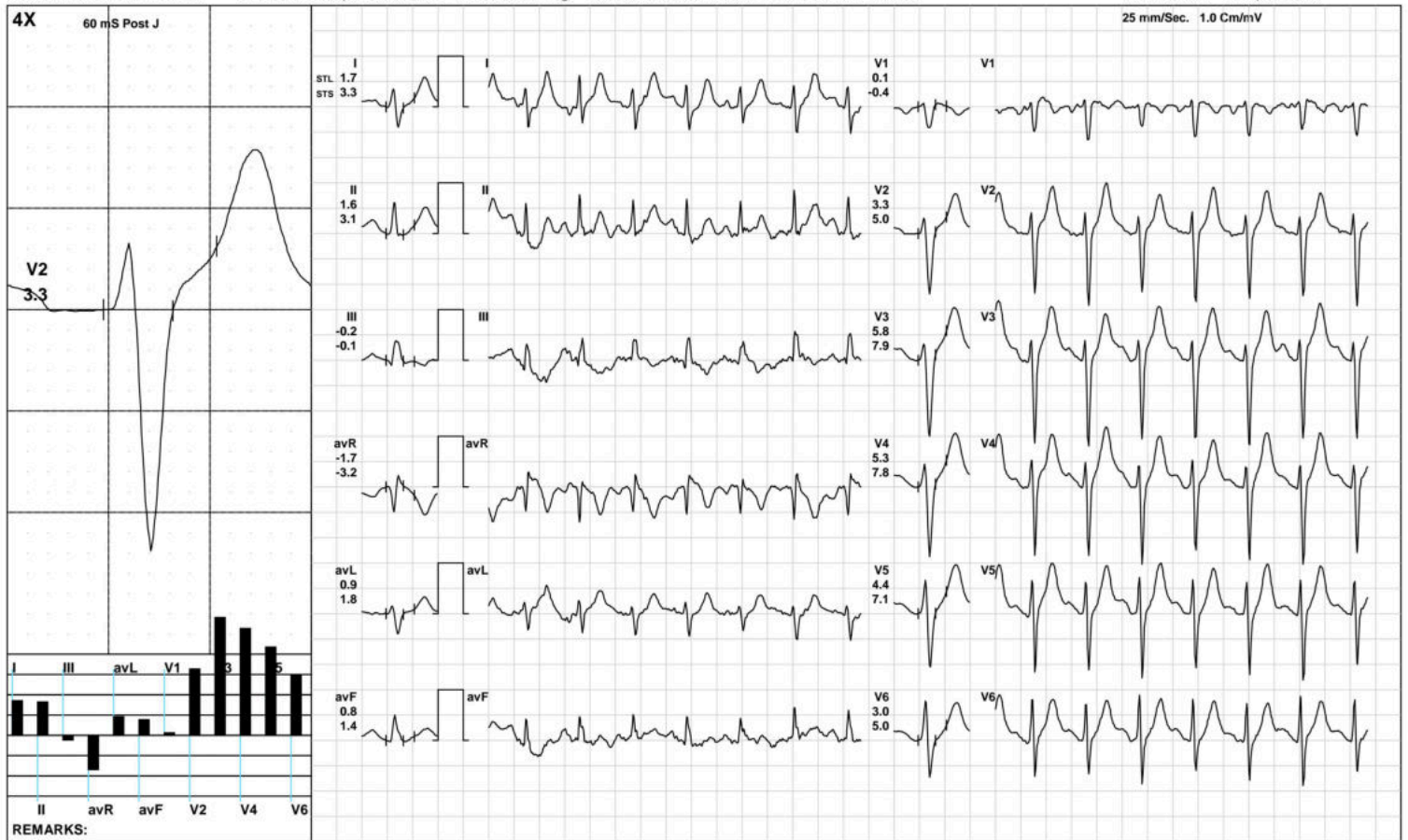
1786 / MR. VIKASH PASWAN / 37 Yrs / M / 173 Cms / 104 Kg / HR : 162

Date: 20-Feb-2023 12:44:15 PM METS: 10.3/ 162 bpm 88% of THR BP: 135/95 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:07 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers



Aarogam Diagnostics

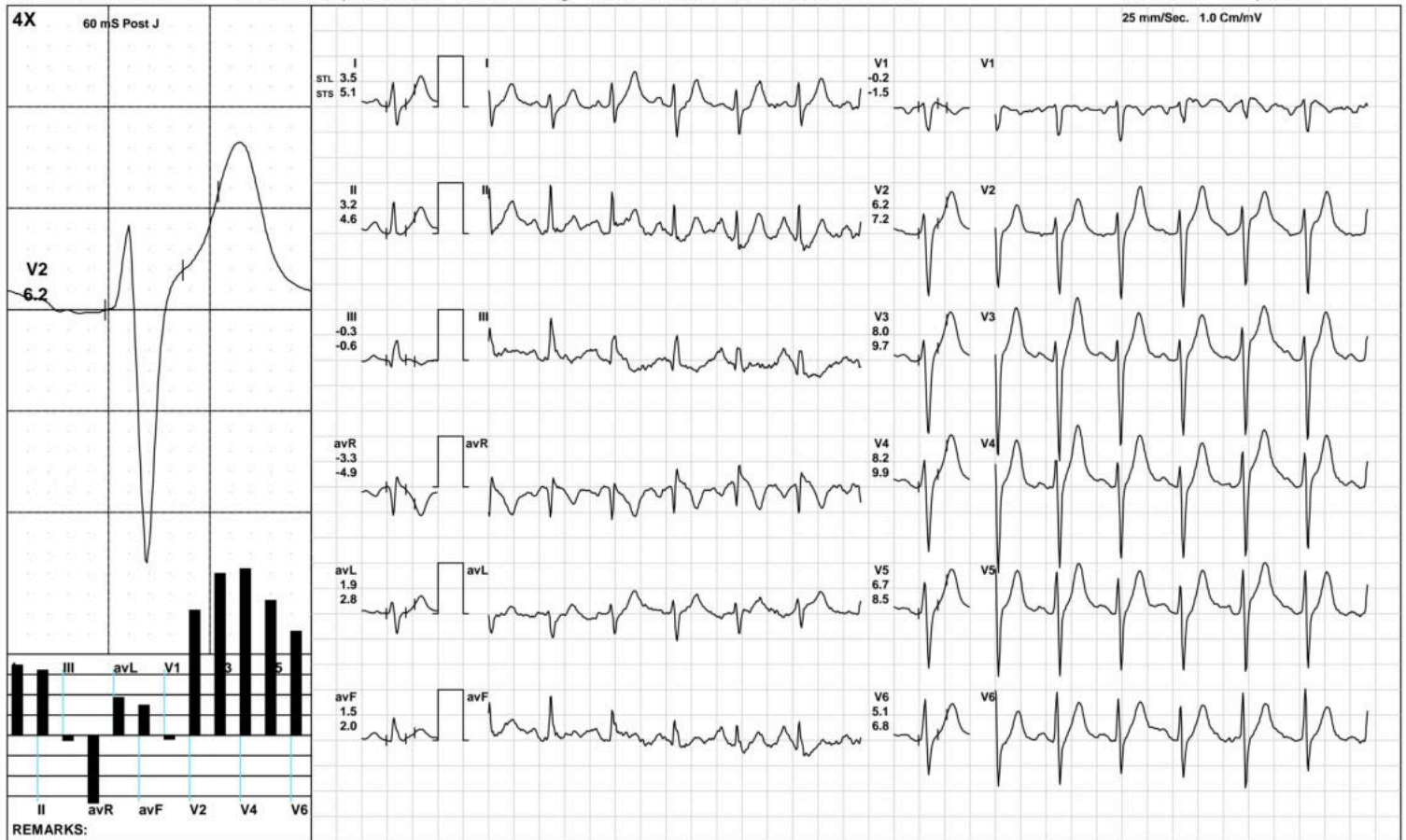
Recovery(2:00)



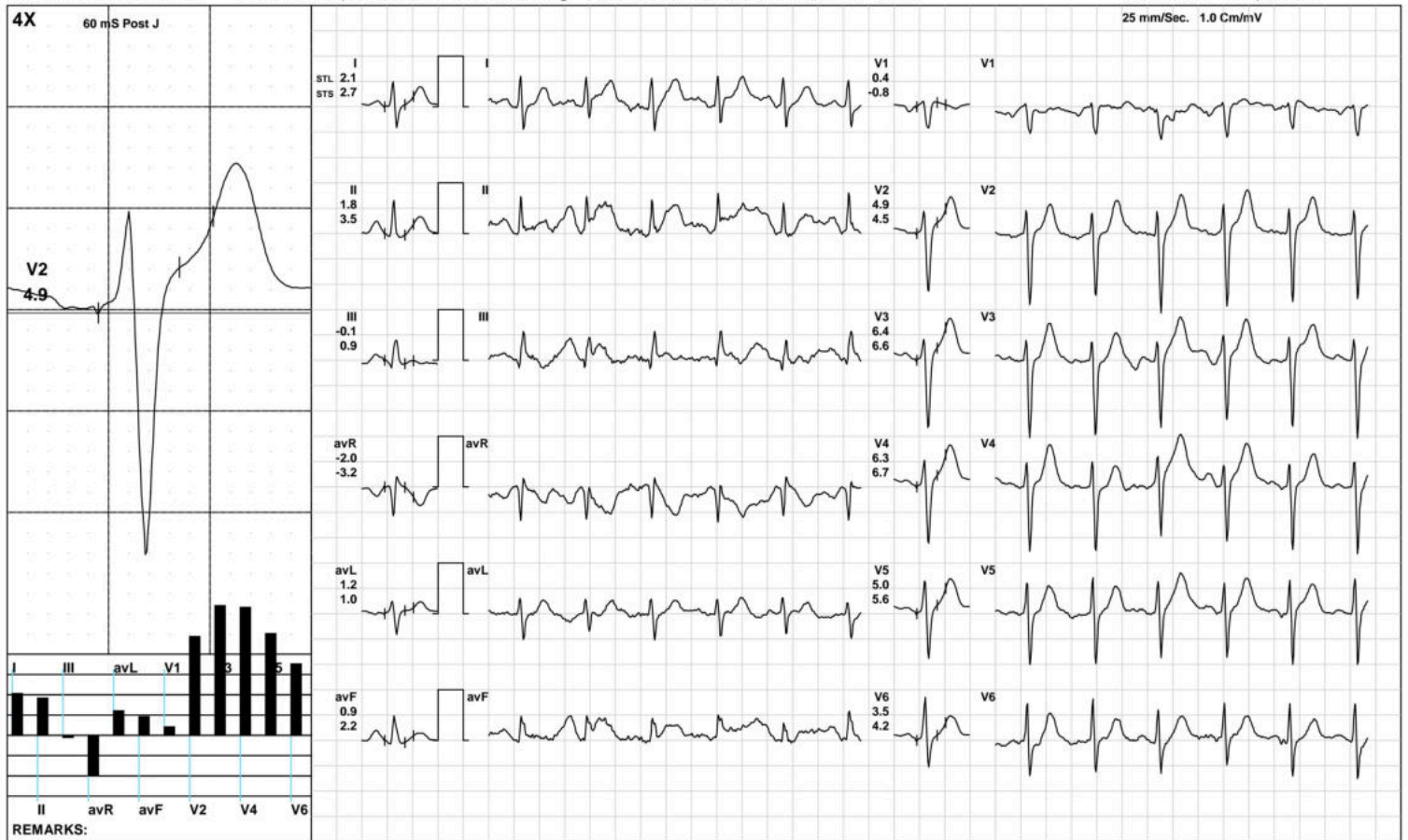
1786 / MR. VIKASH PASWAN / 37 Yrs / M / 173 Cms / 104 Kg / HR : 120

Date: 20-Feb-2023 12:44:15 PM METS: 1.0/ 120 bpm 65% of THR BP: 125/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:07 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers



Aarogyam Diagnostics

ST Measurements



1786 / MR. VIKASH PASWAN / 37 Yrs / M / 173 Cms / 104 Kg / HR : 97

Date: 20-Feb-2023 12:44:15 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	2.9	1.4	-1.5	-2.1	2.2	0.0	0.0	5.4	4.0	4.2	3.6	2.5	2.6	1.3	-1.2	-2.0	1.9	0.1	-0.5	4.0	2.8	3.1	2.7	1.9	
60 @mS Standing	2.9	1.4	-1.5	-2.1	2.2	0.0	0.0	5.4	4.0	4.2	3.6	2.5	2.6	1.3	-1.2	-2.0	1.9	0.1	-0.5	4.0	2.8	3.1	2.7	1.9	
HV	2.9	1.4	-1.5	-2.1	2.2	0.0	0.0	5.4	4.0	4.2	3.6	2.5	2.6	1.3	-1.2	-2.0	1.9	0.1	-0.5	4.0	2.8	3.1	2.7	1.9	
Warm Up	2.7	1.5	-1.2	-2.1	1.9	0.2	0.0	4.9	4.4	4.5	3.8	2.6	2.4	1.4	-1.0	-1.9	1.7	0.2	-0.4	3.7	3.4	3.6	3.2	2.3	
ExStart	2.9	1.5	-1.4	-2.2	2.1	0.1	-0.1	5.4	4.7	4.8	4.1	2.9	2.6	1.5	-1.1	-2.0	1.9	0.2	-0.6	4.1	3.3	3.6	3.2	2.3	
Stage 1	2.1	1.5	-0.6	-1.8	1.4	0.5	0.4	4.6	5.5	5.4	4.5	3.1	2.4	1.7	-0.6	-2.0	1.5	0.5	-0.4	4.0	5.0	5.1	4.5	3.3	
Stage 2	1.4	1.1	-0.4	-1.3	0.9	0.3	0.4	3.3	4.7	4.6	3.6	2.6	2.5	2.6	0.1	-2.5	1.2	1.3	-0.4	3.7	5.5	5.7	4.9	3.8	
Stage 3	1.4	2.2	0.4	-1.5	0.4	1.3	0.1	2.8	4.9	4.6	3.8	2.8	3.0	3.7	0.1	-3.0	1.6	1.5	-0.6	4.2	6.5	6.7	6.4	5.1	
PeakEx	1.4	2.2	0.4	-1.5	0.4	1.3	0.1	2.8	4.9	4.6	3.8	2.8	3.0	3.7	0.1	-3.0	1.6	1.5	-0.6	4.2	6.5	6.7	6.4	5.1	
Recovery	1.7	1.6	-0.2	-1.7	0.9	0.8	0.1	3.3	5.8	5.3	4.4	3.0	3.3	3.1	-0.1	-3.2	1.8	1.4	-0.4	5.0	7.9	7.8	7.1	5.0	
Recovery	3.5	3.2	-0.3	-3.3	1.9	1.5	-0.2	6.2	8.0	8.2	6.7	5.1	5.1	4.6	-0.6	-4.9	2.8	2.0	-1.5	7.2	9.7	9.9	8.5	6.8	
Recovery	2.1	1.8	-0.1	-2.0	1.2	0.9	0.4	4.9	6.4	6.3	5.0	3.5	2.7	3.5	0.9	-3.2	1.0	2.2	-0.8	4.5	6.6	6.7	5.6	4.2	

		I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
STI(μ Vs)	Supine	20.8	9.7	-11.2	-15.3	16.0	-0.7	0.6	39.4	28.0	29.2	25.1	17.1
	Standing	20.8	9.7	-11.2	-15.3	16.0	-0.7	0.6	39.4	28.0	29.2	25.1	17.1
	HV	20.8	9.7	-11.2	-15.3	16.0	-0.7	0.6	39.4	28.0	29.2	25.1	17.1
	Warm Up	20.9	11.7	-9.2	-16.2	15.0	1.4	-0.1	36.5	31.4	32.0	27.7	19.1
	ExStart	22.2	11.7	-10.5	-16.9	16.3	0.6	-0.9	40.3	32.6	33.9	29.3	20.7
	Stage 1	10.5	7.0	-3.6	-8.7	7.0	1.7	3.3	24.2	28.2	27.2	22.5	15.2
	Stage 2	4.4	1.8	-2.8	-3.2	3.7	-0.6	3.9	14.1	19.4	18.4	13.4	9.5
	Stage 3	1.9	5.4	2.2	-2.9	-0.8	4.5	2.9	8.4	16.5	13.8	9.5	6.7
	PeakEx	1.9	5.4	2.2	-2.9	-0.8	4.5	2.9	8.4	16.5	13.8	9.5	6.7
	Recovery	4.8	3.9	-2.1	-4.4	2.9	1.5	2.6	12.1	22.0	18.8	14.3	8.9
	Recovery	13.4	13.0	-0.4	-13.2	6.9	6.4	0.6	25.7	33.3	34.1	27.2	20.6
	Recovery	9.7	7.4	-1.7	-8.7	6.3	3.2	3.3	24.2	30.7	30.1	23.7	16.4



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	94	228	80	69	424	206	651	-1365	741	18	III	-98	0.00	0	0
01:00	103	158	86	81	411	214	767	-1298	726	14	III	-137	0.00	0	0
01:30	111	150	88	64	452	205	822	-1240	698	3	III	-90	0.00	0	0
02:00	119	162	86	70	486	214	834	-1301	594	13	III	-55	0.00	0	0
02:30	119	144	86	72	447	235	840	-1397	612	-18	III	-66	0.00	0	0
03:00	120	132	84	70	453	192	838	-1309	639	-16	III	-71	0.00	0	0
03:30	116	174	86	72	425	201	871	-1306	641	31	III	-107	0.00	0	0
04:00	122	132	86	77	461	227	817	-1324	649	17	III	-82	0.00	0	0
04:30	129	152	86	74	301	214	888	-1360	643	28	III	-49	0.00	0	0
05:00	134	150	84	83	293	263	865	-1360	628	-71	III	-115	0.00	0	0
05:30	136	76	84	76	293	234	892	-1377	676	-21	III	-90	0.00	0	0
06:00	138	142	84	82	291	214	874	-1446	668	-98	III	-123	0.00	0	0
06:30	139	140	84	90	422	272	847	-1449	709	-18	III	-57	0.00	0	0
07:00	140	140	84	90	425	277	848	-1448	716	-68	III	-103	0.00	0	0
07:30	146	132	88	90	302	277	848	-1448	716	-68	III	-103	0.00	0	0
08:00	153	110	84	90	339	661	902	-1491	973	-115	III	-135	0.00	0	0
08:30	156	122	84	90	304	307	878	-1539	753	-56	III	-60	0.00	0	0
09:00	159	112	82	90	316	480	811	-1554	952	-22	III	-92	0.00	0	0
09:30	160	108	84	100	321	279	822	-1650	835	-48	III	-87	0.00	0	0
10:00	160	110	84	99	330	325	931	-1588	889	-41	III	-36	0.00	0	0
10:30	155	112	84	102	324	302	764	-1635	980	-44	III	-57	0.00	0	0
11:00	140	124	84	99	319	262	835	-1612	1049	-51	III	-52	0.00	0	0
11:30	131	104	82	97	289	293	807	-1613	1065	50	V1	-8	0.00	0	0
12:00	123	164	90	90	291	194	889	-1607	1021	-23	III	-54	0.00	0	0
12:30	116	132	88	131	295	236	836	-1581	971	28	III	-69	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)	JRR Var (%)	VEB (Counts)	Missed Beats (Counts)
13 : 00	112	176	88	82	461	192	849	-1563	895	-42	III	-53	0.00	0	0
13 : 30	111	148	90	80	430	206	857	-1532	797	-56	III	-85	0.00	0	0



MC-3319

Kolkata Lab : Block DD-30, Sector-1, "Andromeda", Ground Floor, Salt lake, Kolkata-700064
 Landline No: 033-40818800/ 8888/ 8899 | Email ID: kolkata@unipath.in | Website: www.unipath.in
 CIN : U85195GJ2009PLC057059



30204100406

TEST REPORT

Reg.No : 30204100406	Reg.Date : 21-Feb-2023 12:28	Collection : 21-Feb-2023 12:28
Name : MR. VIKASH PASWAN		Received : 21-Feb-2023 12:28
Age : 37 Years	Sex : Male	Report : 21-Feb-2023 14:04
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 21-Feb-2023 14:24
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine) <i>Method:CLIA</i>	1.48	ng/mL	0.60 - 1.81
T4 (Thyroxine) <i>Method:CLIA</i>	8.90	µg/dL	4.5 - 12.6
TSH (ultra sensitive) <i>Method:CLIA</i>	1.689	µIU/mL	0.55 - 4.78

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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