

10


13/8



भारत-सरकार
GOVERNMENT OF INDIA



विभंशु कुमार
Vibhanshu Kumar
जन्म वर्ष / Year of Birth : 1986
पुरुष / Male

5138 1226 8737 

आधार — आम आदमी का अधिकार

ID: 473

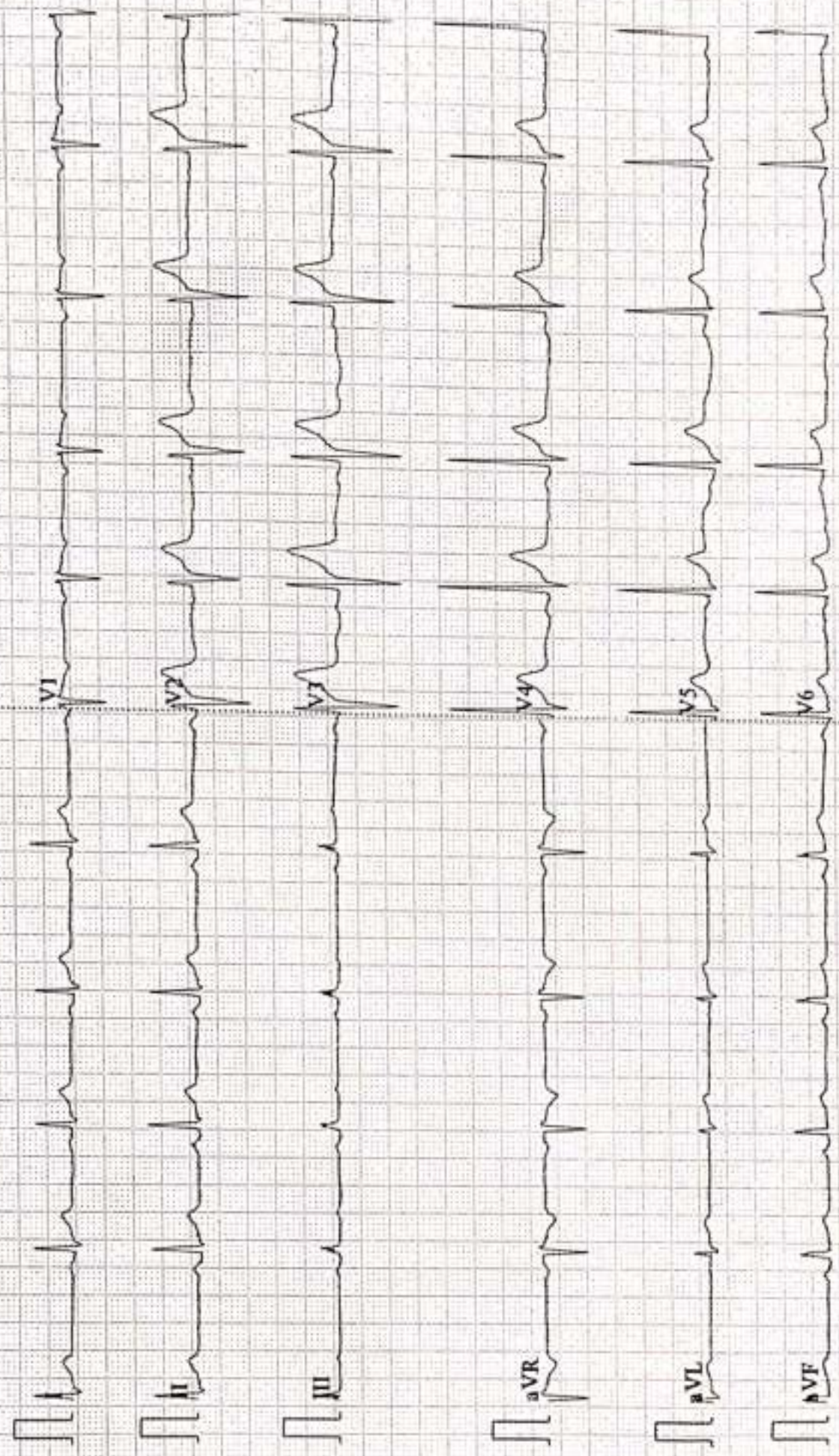
VIBHANSHU KUMAR
Male 38Years

16-03-2024 10:46:38 PM¹²

HR : 60 bpm
P : 103 ms
PR : 164 ms
QRS : 91 ms
QT/QTc : 369/370 ms
PQRST : 63/52/38 °
RV5/SV1 : 1.519/0.725 mV

Diagnosis Information:
Sinus Arrhythmia
Largcd PrfV1

Ref-Phys. :
Report Confirmed by:



Patient Name	VIBHANSHU KUMAR	Date	16-03-2024
Age/Sex	38/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, PC. Colony, Opp. Madhuban Complex,
Near Malahi Pakari Chowk, Kankarbagh, Patna - 20

9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	16/03/2024	Srl No.	8	Patient Id	2403160008
Name	Mr. VIBHANSHU KUMAR	Age	38 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	16/03/2024	Srl No.	8	Patient Id	2403160008
Name	Mr. VIBHANSHU KUMAR	Age	38 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	13.6	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	5,700	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	66	%	40 - 75
LYMPHOCYTE	30	%	20 - 45
EOSINOPHIL	01	%	01 - 06
MONOCYTE	03	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN'S METHOD)	12	mm/1st hr.	0 - 15
R B C COUNT	4.54	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	40.8	%	40 - 54
M C V	89.87	fl.	80 - 100
M C H	29.96	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	2.42	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"O"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	103.4	mg/dl	70 - 110
SERUM CREATININE	1.05	mg%	0.7 - 1.4
BLOOD UREA	24.9	mg /dl	15.0 - 45.0
SERUM URIC ACID	5.8	mg%	3.4 - 7.0
<u>LIVER FUNCTION TEST (LFT)</u>			



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Date	16/03/2024	Sri No. 8	Patient Id 2403160008
Name	Mr. VIBHANSHU KUMAR	Age 38 Yrs.	Sex M
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.64	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.23	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.41	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.2	gm/dl	6.6 - 8.3
ALBUMIN	3.8	gm/dl	3.4 - 5.2
GLOBULIN	3.4	gm/dl	2.3 - 3.5
A/G RATIO	1.118		
SGOT	67.3	IU/L	5 - 40
SGPT	79.5	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	76.2	U/L	40.0 - 130.0
GAMMA GT	22.8	IU/L	8.0 - 71.0
LFT INTERPRET			
<u>LIPID PROFILE</u>			
TRIGLYCERIDES	201.4	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	210.9	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	67.1	mg/dL	35.1 - 88.0
V L D L	40.28	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	103.52	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.143		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.543		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



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Date	16/03/2024	Srl No.	8	Patient Id	2403160008
Name	Mr. VIBHANSHU KUMAR	Age	38 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	16/03/2024	Srl No.	8	Patient Id	2403160008
Name	Mr. VIBHANSHU KUMAR	Age	38 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



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Date	16/03/2024	Sri No.	8	Patient Id	2403160008
Name	Mr. VIBHANSHU KUMAR	Age	38 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
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BIOCHEMISTRY

BLOOD SUGAR PP	210.9	mg/dl	80 - 160
BOB			

**** End Of Report ****

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



Name :- Vibhanshu Kumar
Refd by :- Corp

Age/Sex:-38Yrs/M
Date :-16/03/24

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Mild enlarged in size(14.2cm) 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 (11.1cm)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 10.3cm and Left Kidney measures 10.6cm.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size (10.4cc) & 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. Arun Kumar
MBBS, DMRD (Radio-Diagnosis)
Consultant Radiologist

AAROGYAM DIAGNOSTICS**PATNA****Report**

(GEM212170906)(R)Kardio by Allengers

2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg Date: 16-Mar-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	111	61 %	110/80	122	00	
Standing	00:09	0:01	00.0	00.0	01.0	113	62 %	110/80	124	00	
HV	00:20	0:01	00.0	00.0	01.0	112	62 %	110/80	123	00	
Warm Up	01:19	0:01	01.0	00.0	01.0	108	59 %	110/80	118	00	
ExStart	02:03	0:07	01.7	10.0	01.1	126	69 %	110/80	138	00	
BRUCE/ Stage 1	05:03	3:00	01.7	10.0	04.7	144	79 %	115/85	165	00	
BRUCE/ Stage 2	08:03	3:00	02.5	12.0	07.1	167	92 %	120/90	200	00	
PeakEx	09:53	1:50	03.4	14.0	09.0	180	99 %	125/95	225	00	
Recovery	10:52	1:00	01.1	00.0	01.2	172	95 %	120/90	206	00	
Recovery	11:52	2:00	01.1	00.0	01.0	155	85 %	115/85	178	00	
Recovery	13:22	3:29	01.1	00.0	01.0	142	78 %	110/80	156	00	

Findings :

Exercise Time : 07:51
Max HR Attained : 181 bpm 99% of Target 182
Max BP Attained : (Sys) 125/95
Max WorkLoad Attained : 9 Good response to induced stress
Max ST Dep Lead & Value : V6 & -0.7 mm in PeakEx mm
Test End Reasons : Fatigue

Report :

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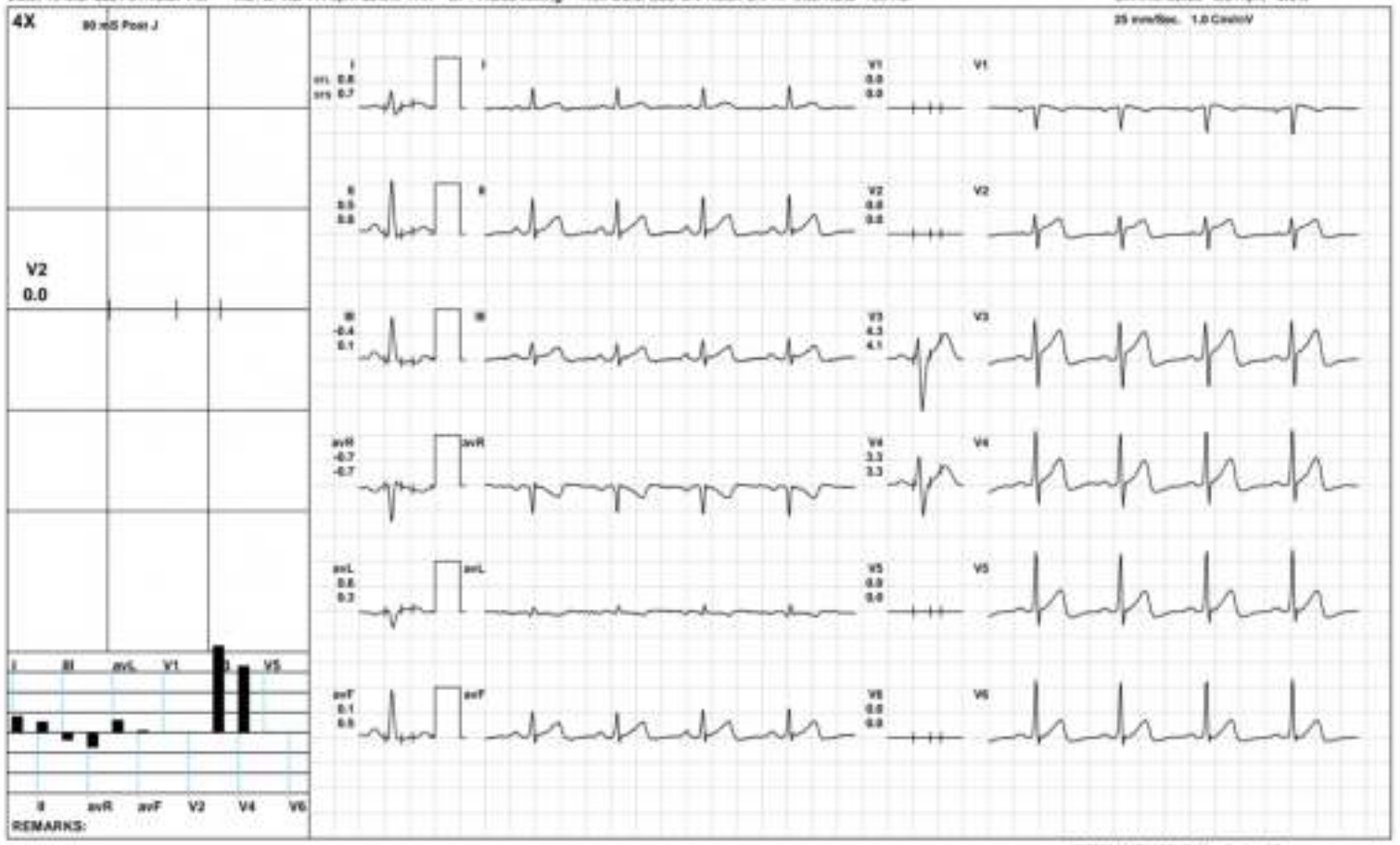
Supine



2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg / HR : 111

Date: 16-Mar-2024 01:18:37 PM METS: 1.0/111 bpm 68% of T1-R BP: 115/60 mmHg Raw ECG/ BLC On/ Noch On/ HF 0.05 Hz/LF 100 Hz

ExTime 00:03 0.0 r/s, 0.0%



REMARKS:

AAROGYAM DIAGNOSTICS

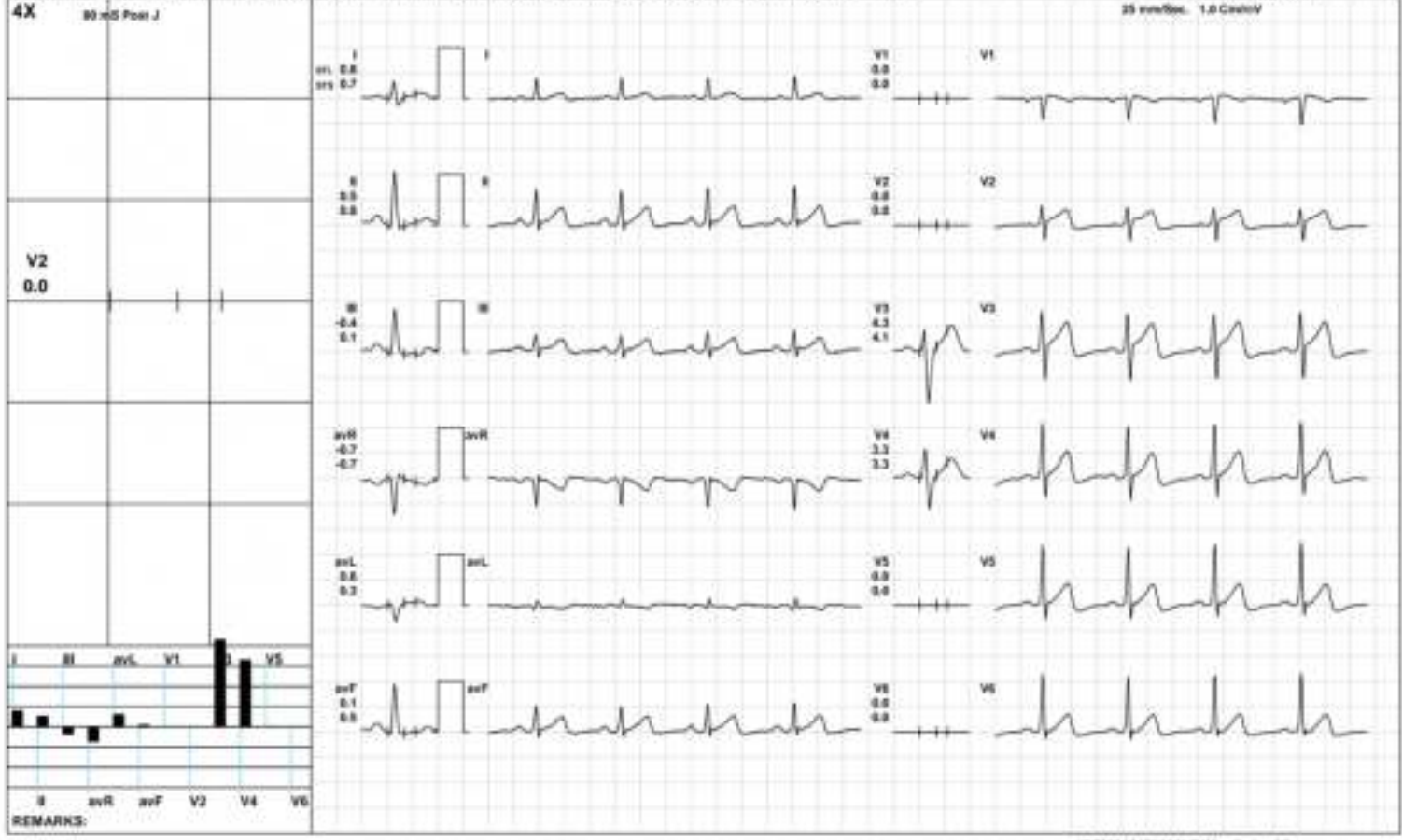
Standing



2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg / HR : 113

Date: 16-Mar-2024 01:18:37 PM METS: 1.0/ 113 bpm 62% of THR BP: 110/80 mmHg Row ECG/ BUC Div/ Natch Div/ HF 0.05 Hz/ LF 100 Hz

ExTime: 00:09 0.0 r/s, 0.0%



REMARKS:

AAROGYAM DIAGNOSTICS

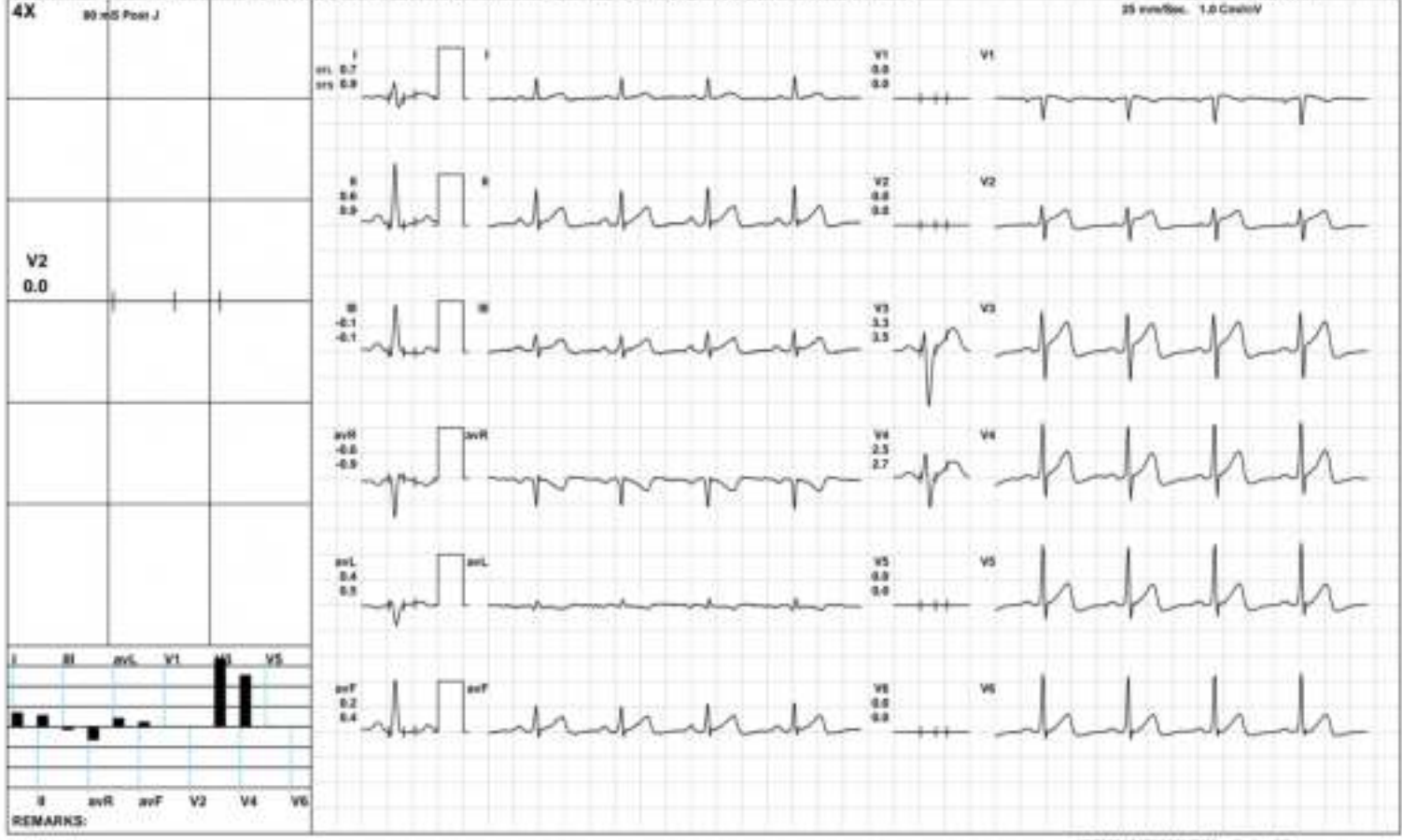
Warm Up



2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg / HR : 108

Date: 16-Mar-2024 01:18:37 PM METS: 1.0/108 bpm 59% of THR BP: 110/80 mmHg Rate ECGI BUC Ov Notch Ov HF 0.05 Hz/LF 100 Hz

ExTime: 01:19 1.0 r/gb, 0.0%



AAROGYAM DIAGNOSTICS

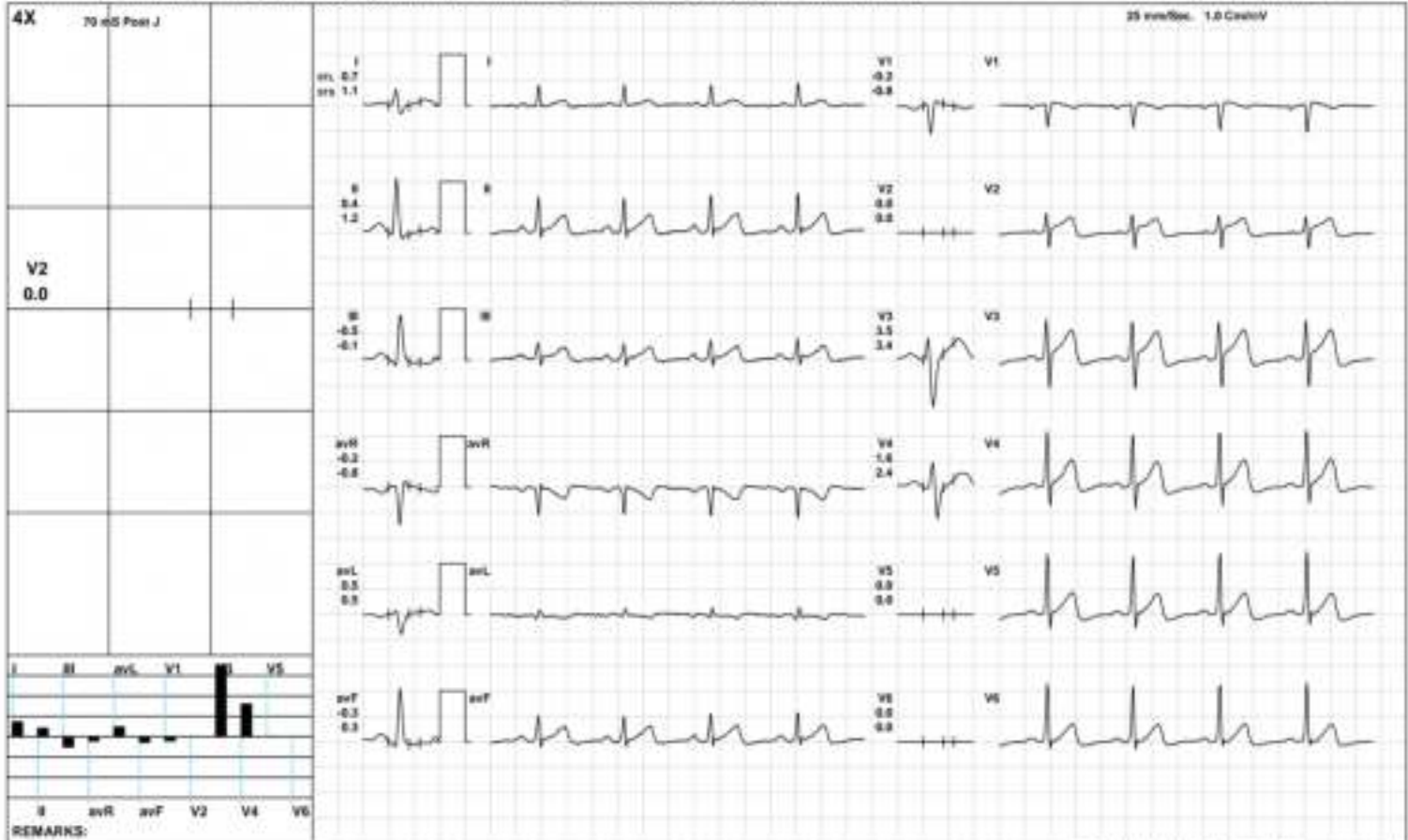
ExStart



2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg / HR : 126

Date: 16-Mar-2024 01:18:37 PM METS: 1.1/126 bpm 69% of THR BP: 110/80 mmHg Rate ECGI BUC Ov Notch Ov HF 0.05 Hz/LF 100 Hz

ExTime 00:07 1.7 mph 10.8%



REMARKS:

AAROGYAM DIAGNOSTICS

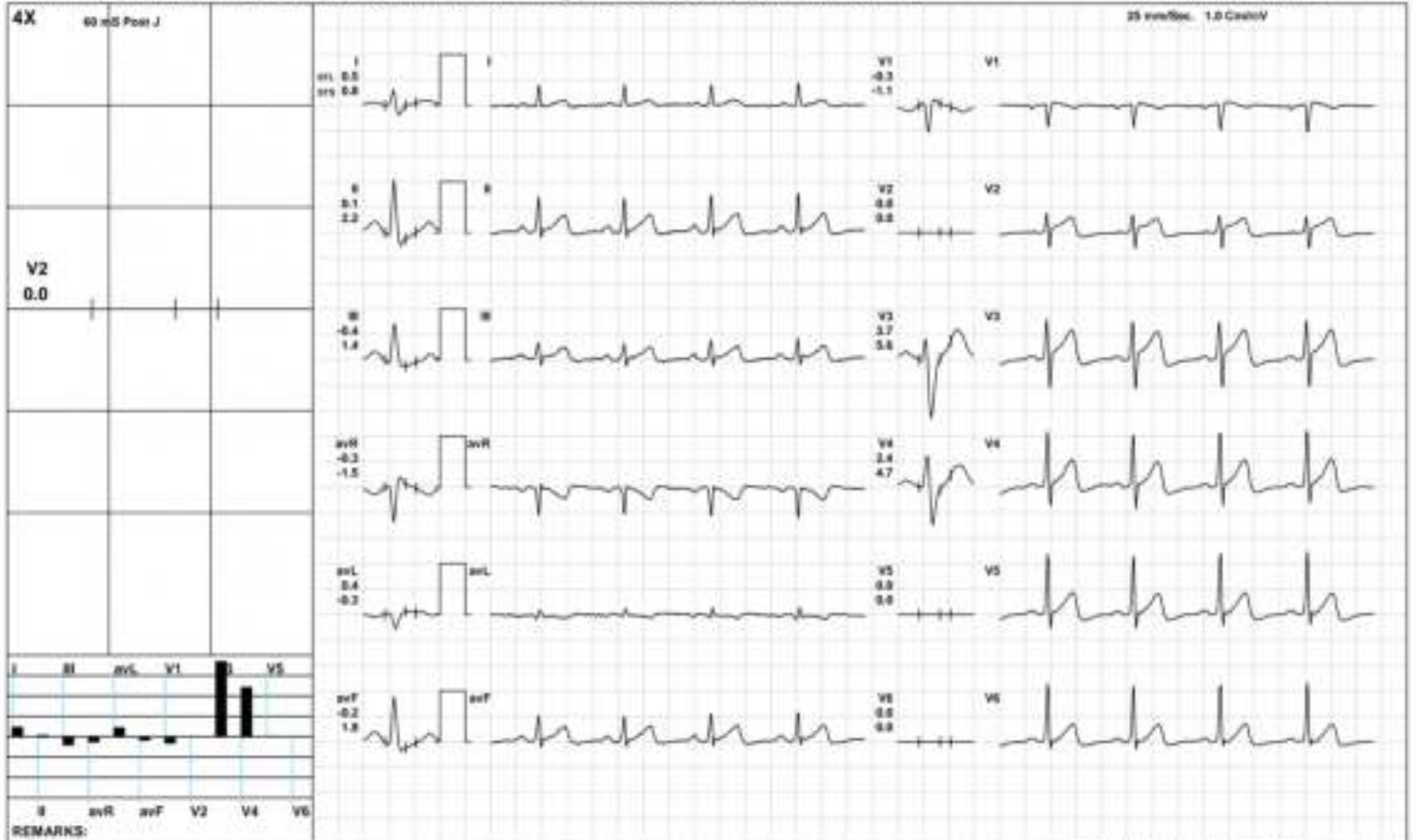
BRUCE/Stage 1(3:00)



2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg / HR : 144

Date: 16-Mar-2024 01:18:37 PM METS: 4.7/ 144 bpm 79% of THR BP: 115/85 mmHg Rate ECG: BUC Ov Notch Ov HF 0.05 Hz/LF 100 Hz

ExTime: 03:00 1.7 mph, 10.8%



AAROGYAM DIAGNOSTICS

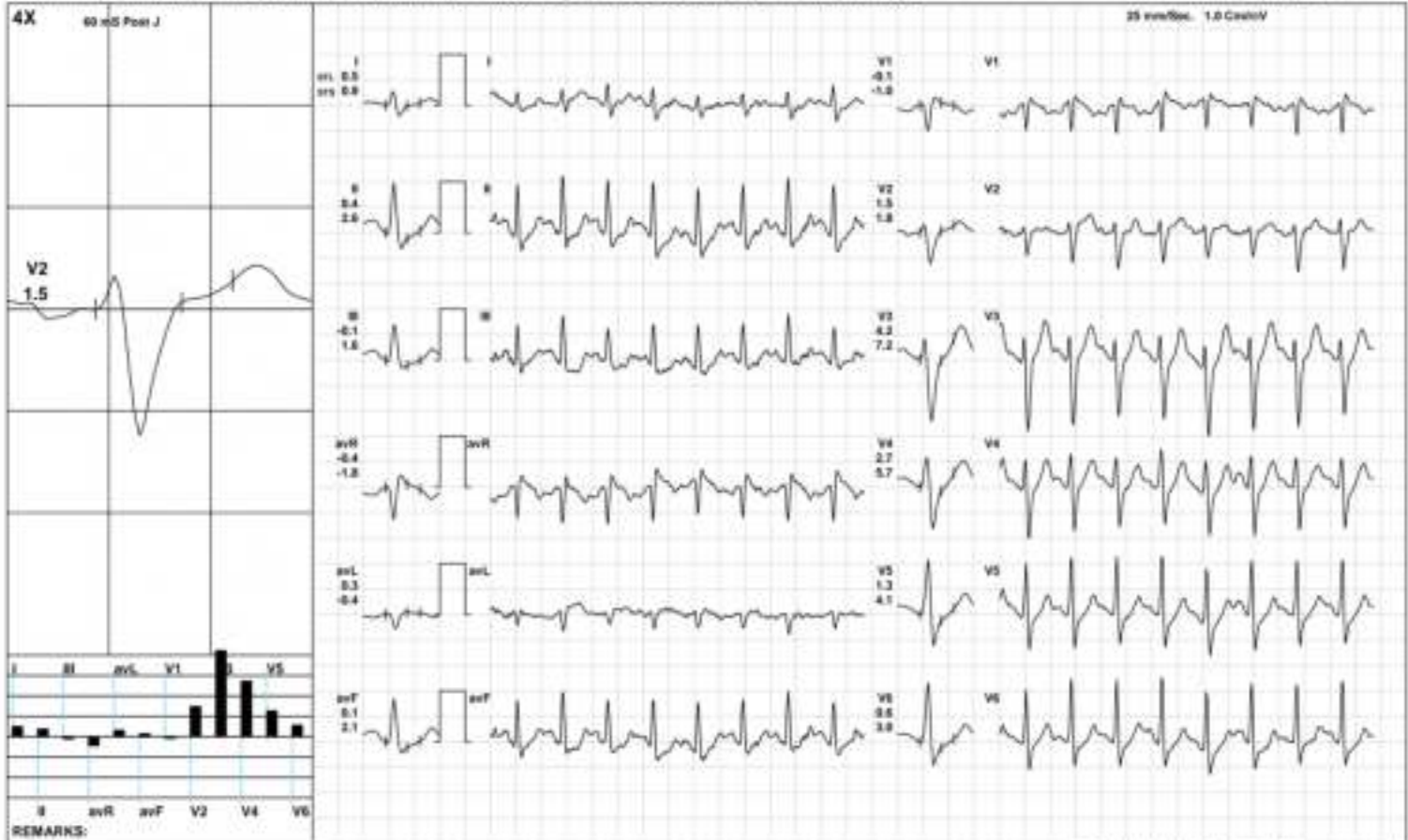
BRUCE/Stage 2(3:00)



2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg / HR : 167

Date: 16-Mar-2024 01:18:37 PM METS: 7.1/167 bpm 91% of THR BP: 120/90 mmHg Raw ECG/ BLC/ Div: Match/ Div: HF 0.05 Hz/ LF 100 Hz

ExTime: 06:00 2.5 mph, 12.8%



AAROGYAM DIAGNOSTICS

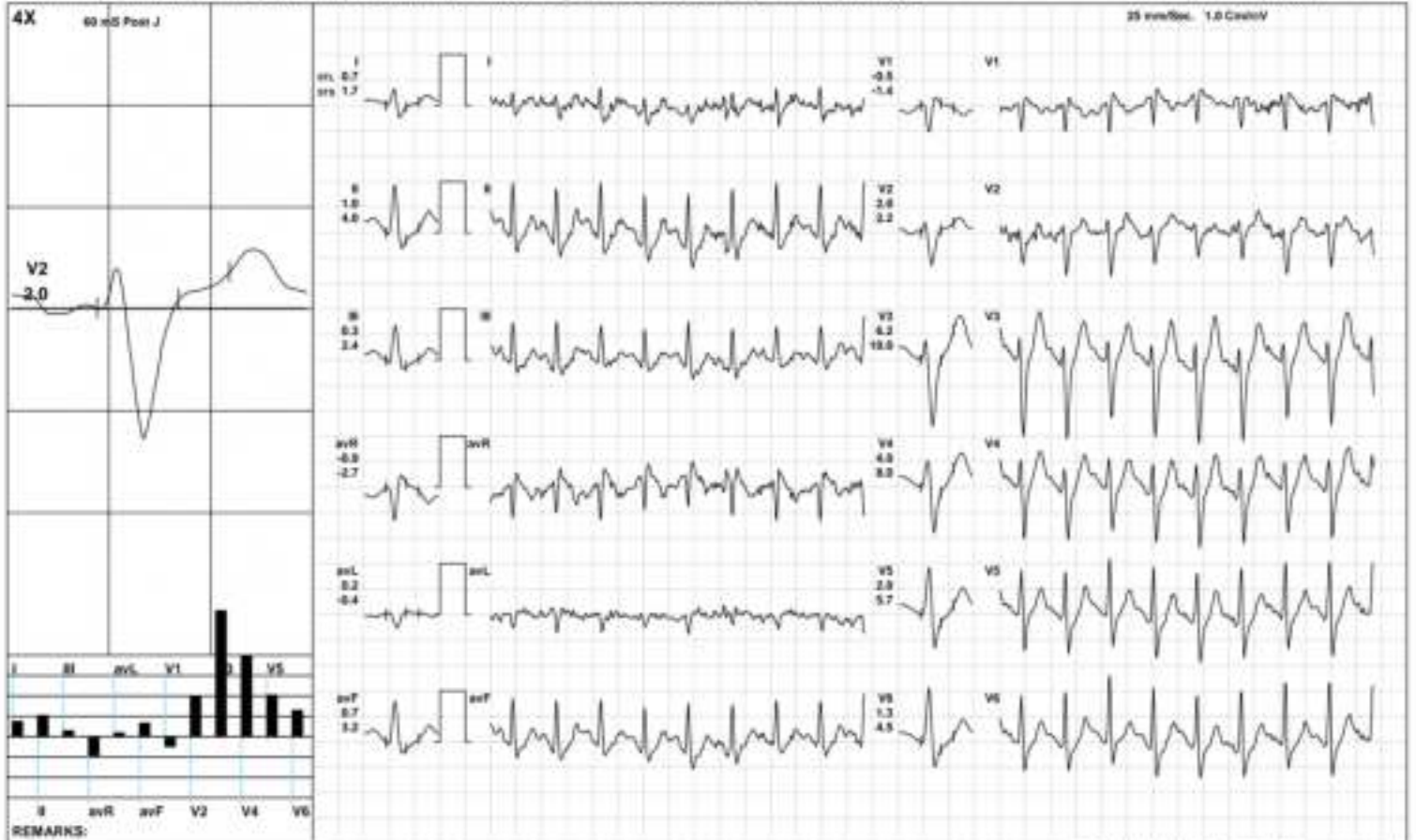
Recovery(1:00)



2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg / HR : 172

Date: 16-Mar-2024 01:18:37 PM METS: 1.2/ 172 bpm 94% of THR BP: 120/90 mmHg Raw ECG/ BLC/ Div: Match Div/ HF: 0.05 Hz/ LF: 100 Hz

ExTime: 07:51 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

Recovery(2:00)



2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg / HR : 155

Date: 16-Mar-2024 01:18:37 PM METS: 1.0/185 bpm 89% of THR BP: 115/85 mmHg Rate ECGI BUC Ov Notch Ov HF 0.06 Hz/LF 100 Hz

ExTime: 07:51 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

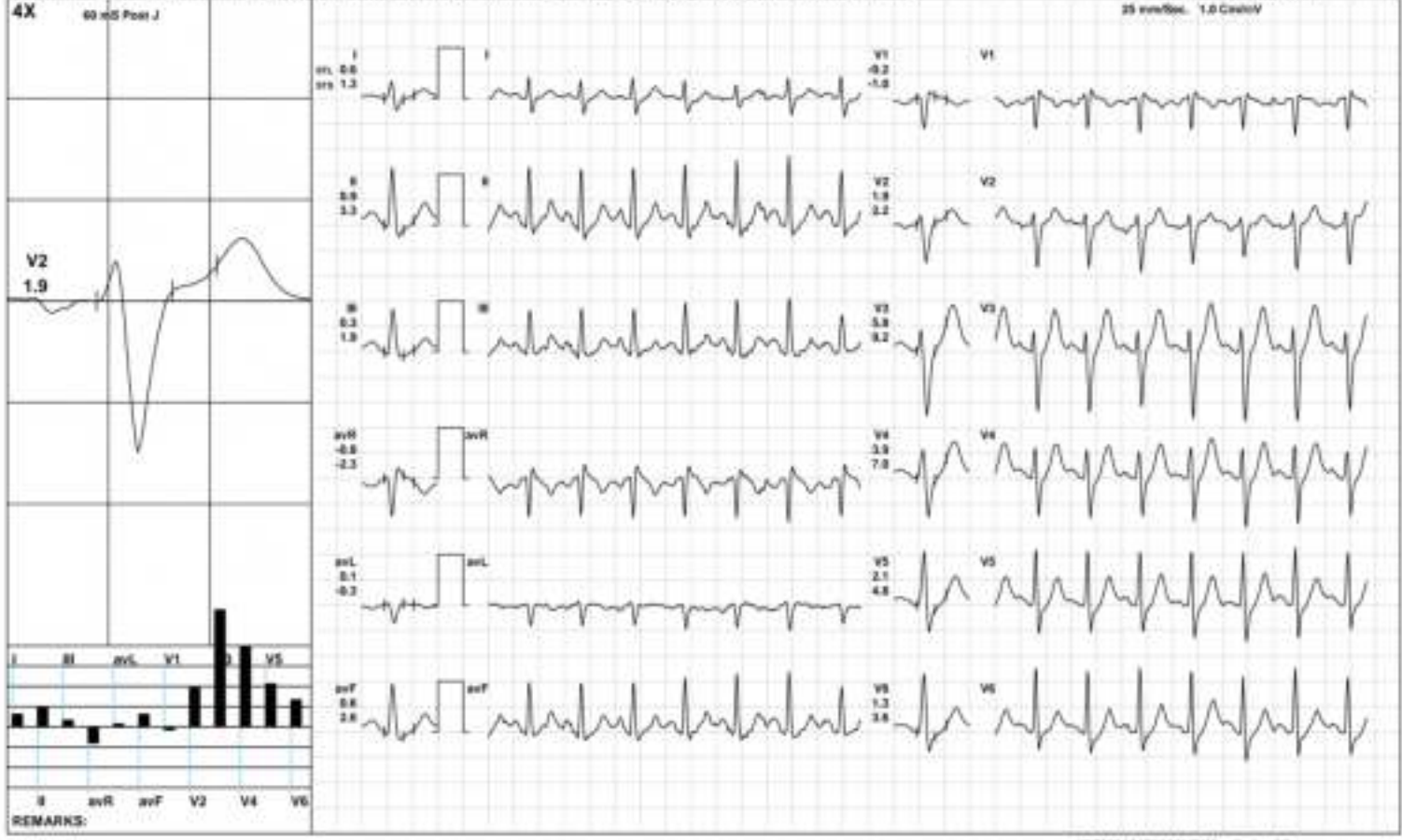
Recovery(3:29)



2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg / HR : 142

Date: 16-Mar-2024 01:18:37 PM METS: 1.0/ 142 bpm 78% of THR BP: 110/80 mmHg Rate ECGI BUC Ov/ Notch Ov HF 0.05 Hz/LF 100 Hz

ExTime: 07:51 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

ST Measurements



2580 / MR. VIBHANSHU KUMAR / 38 Yrs / M / 176 Cms / 89 Kg / HR : 111

Date: 16-Mar-2024 01:18:37 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	0.8	0.5	-0.4	-0.7	0.6	0.1	0.0	0.0	4.3	3.3	0.0	0.0	0.7	0.8	0.1	-0.7	0.3	0.5	0.0	0.0	4.1	3.3	0.0	0.0	
60 @mS Standing	0.8	0.5	-0.4	-0.7	0.6	0.1	0.0	0.0	4.3	3.3	0.0	0.0	0.7	0.8	0.1	-0.7	0.3	0.5	0.0	0.0	4.1	3.3	0.0	0.0	
HV	0.8	0.5	-0.4	-0.7	0.6	0.1	0.0	0.0	4.3	3.3	0.0	0.0	0.7	0.8	0.1	-0.7	0.3	0.5	0.0	0.0	4.1	3.3	0.0	0.0	
Warm Up	0.7	0.6	-0.1	-0.6	0.4	0.2	0.0	0.0	3.3	2.5	0.0	0.0	0.9	0.9	-0.1	-0.9	0.5	0.4	0.0	0.0	3.5	2.7	0.0	0.0	
ExStart	0.7	0.4	-0.5	-0.2	0.5	-0.3	-0.2	0.0	3.5	1.6	0.0	0.0	1.1	1.2	-0.1	-0.8	0.5	0.3	-0.8	0.0	3.4	2.4	0.0	0.0	
Stage 1	0.5	0.1	-0.4	-0.3	0.4	-0.2	-0.3	0.0	3.7	2.4	0.0	0.0	0.8	2.2	1.4	-1.5	-0.3	1.8	-1.1	0.0	5.6	4.7	0.0	0.0	
Stage 2	0.5	0.4	-0.1	-0.4	0.3	0.1	-0.1	1.5	4.2	2.7	1.3	0.6	0.9	2.6	1.6	-1.8	-0.4	2.1	-1.0	1.8	7.2	5.7	4.1	3.0	
PeakEx	-0.2	-0.3	-0.2	0.2	0.0	-0.3	0.2	1.2	3.5	1.3	0.4	-0.7	0.8	2.5	1.7	-1.7	-0.4	2.1	-0.8	1.9	7.5	5.7	4.1	2.6	
Recovery	0.7	1.0	0.3	-0.9	0.2	0.7	-0.5	2.0	6.2	4.0	2.0	1.3	1.7	4.0	2.4	-2.7	-0.4	3.2	-1.4	2.2	10.0	8.0	5.7	4.5	
Recovery	0.9	2.1	1.2	-1.5	-0.2	1.6	-0.4	2.4	8.0	5.9	3.9	2.8	2.0	5.1	3.1	-3.5	-0.6	4.1	-1.5	3.2	12.5	10.2	7.7	6.2	
Recovery	0.6	0.9	0.3	-0.8	0.1	0.6	-0.2	1.9	5.8	3.9	2.1	1.3	1.3	3.3	1.9	-2.3	-0.3	2.6	-1.0	2.2	9.2	7.0	4.8	3.6	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	
STI(μVx)													
Supine		5.2	2.5	-3.4	-4.2	4.7	-0.4	0.0	0.0	25.0	18.8	0.0	0.0
Standing		5.2	2.5	-3.4	-4.2	4.7	-0.4	0.0	0.0	25.0	18.8	0.0	0.0
HV		5.2	2.5	-3.4	-4.2	4.7	-0.4	0.0	0.0	25.0	18.8	0.0	0.0
Warm Up		3.9	2.5	-1.5	-3.2	2.7	0.5	0.0	0.0	19.9	14.7	0.0	0.0
ExStart		3.2	0.7	-3.5	-0.2	2.7	-2.5	0.0	0.0	18.3	6.9	0.0	0.0
Stage 1		1.6	-3.2	-4.7	0.9	3.2	-3.9	-0.2	0.0	12.6	6.8	0.0	0.0
Stage 2		0.7	-3.0	-3.6	1.1	2.2	-3.2	1.4	4.5	9.7	4.7	-0.4	-2.1
PeakEx		-2.6	-6.2	-3.7	4.4	0.6	-5.0	2.2	3.2	4.8	-3.8	-5.0	-9.2
Recovery		1.2	-1.7	-3.2	0.1	2.0	-2.5	-0.3	6.6	14.4	6.2	-0.4	-1.7
Recovery		1.1	1.8	0.7	-1.3	0.2	1.3	-0.7	7.9	22.5	15.0	8.0	4.7
Recovery		1.3	0.0	-1.3	-0.6	1.3	-0.7	0.9	6.9	17.1	10.2	3.5	1.3



PATNA

2580 / MR. VIBHANSHU KUMAR / 38 Yrs / Male / 176 Cm / 89 Kg

Time	HR	PR Int	QRS Wid	QRS Axis	QTc	P(µV)	R(µV)	S(µV)	T(µV)	Min. J Leads for	Min. Post #R Var	VEB	Missed Beats
(Min.)	(Bpm)	(mS)	(mS)	(Deg.)	(mS)	(Max)	(Max)	(Min)	(Max)	(µV) (J & PJ)	(%)	(Counts)	(Counts)
00:30	112	186	58	81	457	193	1199	-1075	517	156 III	-17	0.00	0
01:00	115	196	58	79	454	201	1091	-1199	524	-153 II	-52	0.00	0
01:30	123	176	56	83	300	175	1091	-1016	1091	-1 V1	-69	0.00	0
02:00	129	78	50	82	424	420	1091	-1075	1091	-80 V1	-130	0.00	0
02:30	142	128	40	81	323	179	1026	-1045	455	-80 V1	-130	0.00	0
03:00	146	144	82	81	305	188	1012	-1106	494	-167 III	-130	0.00	0
03:30	143	112	82	77	309	274	961	-1130	544	-178 III	-99	0.00	0
04:00	142	126	82	79	301	207	1026	-1135	578	-144 III	-76	0.00	0
04:30	140	144	84	80	308	220	1052	-1171	598	-125 III	-65	0.00	0
05:00	152	120	80	81	317	218	1029	-1154	582	-199 II	-103	0.00	0
05:30	155	130	84	81	338	218	1029	-1154	582	-199 III	-103	0.00	0
06:00	158	122	80	82	334	202	1023	-1223	524	-199 III	-159	0.00	0
06:30	160	116	72	83	313	-941	1147	-1230	598	-334 II	-128	0.00	0
07:00	160	114	62	81	311	234	1118	-1240	595	-388 V6	-234	0.00	0
07:30	166	106	74	83	326	238	1155	-1228	693	-166 III	-61	0.00	0
08:00	170	106	76	80	318	191	1177	-1323	672	-401 V6	-163	0.00	0
08:30	172	104	74	81	321	273	1192	-1264	662	-330 V6	-91	0.00	0
09:00	177	78	74	82	321	212	1133	-1297	706	-396 V6	-152	0.00	0
09:30	180	94	72	90	331	200	1157	-1316	711	-258 III	-141	0.00	0
10:00	176	98	70	95	316	212	1041	-1310	756	-393 II	-100	0.00	0
10:30	172	102	70	94	309	252	1044	-1367	848	-369 II	-62	0.00	0
11:00	160	104	70	84	312	259	1105	-1323	920	-177 III	-12	0.00	0
11:30	154	120	74	84	288	288	1164	-1338	994	66 V1	-36	0.00	0
12:00	149	112	74	85	315	253	1221	-1319	962	125 V1	-7	0.00	0
12:30	144	112	74	83	318	265	1224	-1254	961	103 V1	-18	0.00	0



MC-2024

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Phone: +91-79-49006800 | WhatsApp: 6356005900 | Email: info@unipath.in | Website: www.unipath.in
Regd. Office : 5th Floor, Doctor House, Nr. Parimal Garden, Ahmedabad-380006 Gujarat
CIN: U85195GJ2009PLC057059



40304100377

TEST REPORT

Reg.No : 40304100377	Reg.Date : 17-Mar-2024 22:34	Collection : 17-Mar-2024 22:34
Name : VIBHANSHUKUMAR		Received : 17-Mar-2024 22:34
Age : 38 Years	Sex : Male	Report : 17-Mar-2024 23:27
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 17-Mar-2024 23:47
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine), Total <small>CMA</small>	0.84	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CMA</small>	7.27	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) <small>CMA</small>	4.470	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 -----

VR Patel

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M.D BIOCHEMISTRY
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