

आयकर विभाग  
INCOME TAX DEPARTMENT



भारत सरकार  
GOVT. OF INDIA

MANISH KUMAR JHA

MANOJ KUMAR JHA

05/02/1989

Permanent Account Number

ANOPJ1366K

*Manish Kumar Jha*

Signature



13042010



26-08-2024 09:49:14 AM

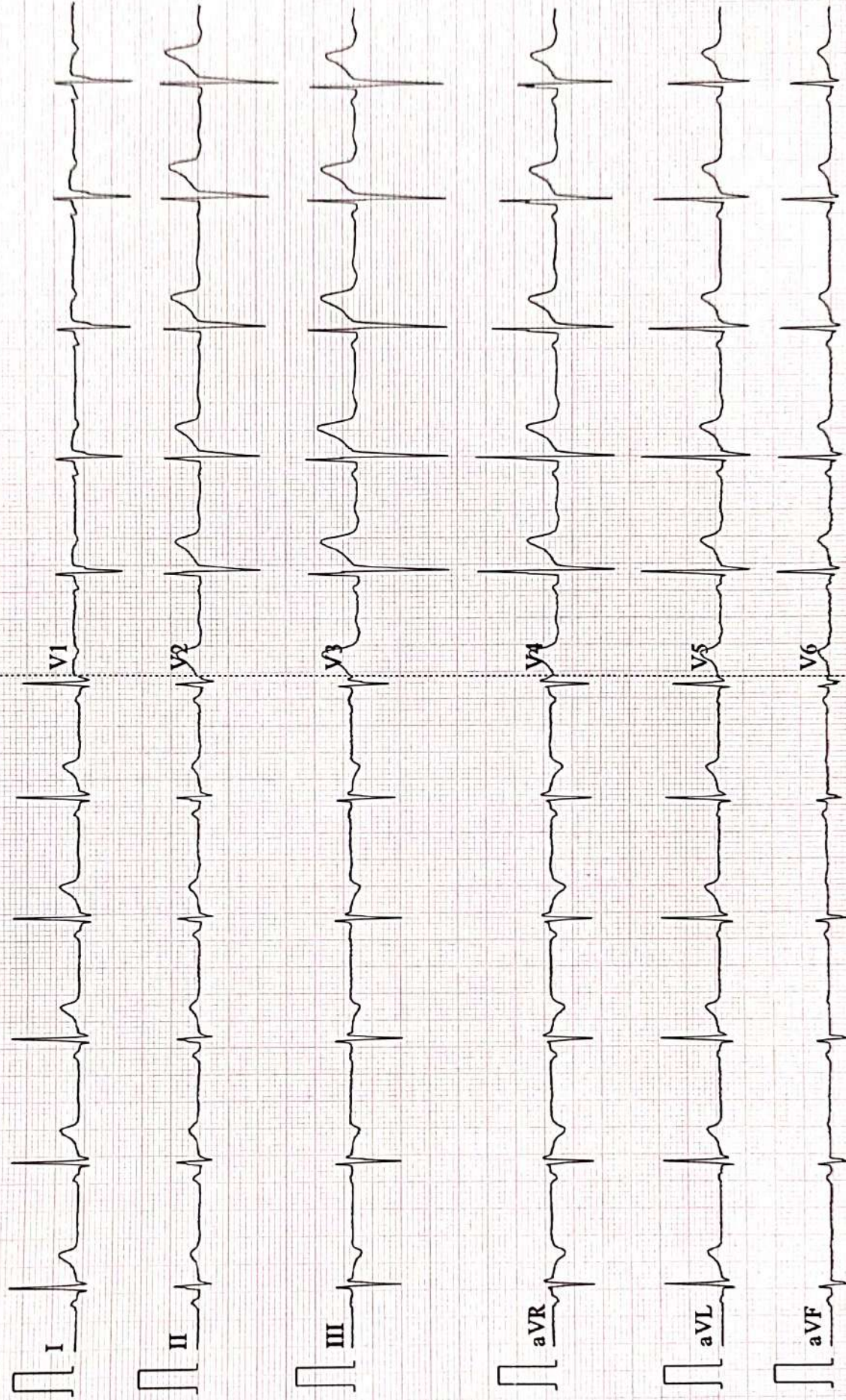
ID: 863  
MANISH KR. JHA  
Male 35Years

Diagnosis Information:  
Sinus Arrhythmia

HR : 66 bpm  
P : 88 ms  
PR : 131 ms  
QRS : 88 ms  
QT/QTc : 354/373 ms  
P/QRS/T : 49/0/5 °  
RV5/SV1 : 1.090/0.919 mV

**DR. RAMAN**

MBBS  
MD  
Reg. No. 133919  
Report Confirmed by:



Patient Name	MANISH KUMAR JHA	Date	26-08-2024
Age/Sex	35/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*





Name :- Manish Kumar Jha  
Refd by :- Corp.

Age/Sex:- 35Yrs/M  
Date :- 26/08/24

Thanks for referral.

**REPORT OF USG OF WHOLE ABDOMEN**

- Liver** :- Normal in size(12.5cm) 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 (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 9.3cm and Left Kidney measures 9.0cm.
- Ureters** :- Ureters are normal.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size (15.8cc) & echotexture.
- 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**



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# AAROGYAM DIAGNOSTICS

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9264278360, 9065875700, 8789391403

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<b>Date</b>	<b>26/08/2024</b>	<b>Srl No.</b>	<b>8</b>	<b>Patient Id</b>	<b>2408260008</b>
<b>Name</b>	<b>Mr. MANISH KUMAR JHA</b>	<b>Age</b>	<b>35 Yrs.</b>	<b>Sex</b>	<b>M</b>
<b>Ref. By</b>	<b>Dr.BOB</b>				

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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<b>Ref. By</b>	<b>Dr.BOB</b>				

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	13.9	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	6,700	/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)	13	mm/1st hr.	0 - 15
R B C COUNT	4.64	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	41.7	%	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	2.38	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"AB"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	97.3	mg/dl	70 - 110
SERUM CREATININE	1.05	mg%	0.7 - 1.4
BLOOD UREA	26.3	mg /dl	15.0 - 45.0
SERUM URIC ACID	4.35	mg%	3.4 - 7.0

**LIVER FUNCTION TEST (LFT)**



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<b>Ref. By</b>	<b>Dr.BOB</b>				

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.69	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.35	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.34	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.49	gm/dl	6.6 - 8.3
ALBUMIN	4.46	gm/dl	3.4 - 5.2
GLOBULIN	3.03	gm/dl	2.3 - 3.5
A/G RATIO	<b>1.472</b>		
SGOT	<b>44.5</b>	IU/L	5 - 40
SGPT	<b>63.4</b>	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	73.4	U/L	40.0 - 130.0
GAMMA GT	22.9	IU/L	8.0 - 71.0

### LFT INTERPRET

### LIPID PROFILE

TRIGLYCERIDES	<b>231.0</b>	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	186.5	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	71.9	mg/dL	35.1 - 88.0
V L D L	<b>46.2</b>	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	68.4	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	2.594		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	0.951		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



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<b>Ref. By</b>	<b>Dr.BOB</b>				

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.015		
PH	5.5		
ALBUMIN	NIL		
SUGAR	NIL		

#### MICROSCOPIC EXAMINATION

PUS CELLS	0-1	/HPF
RBC'S	NIL	/HPF
CASTS	NIL	
CRYSTALS	NIL	
EPITHELIAL CELLS	1-2	/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> 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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Test Name	Value	Unit	Normal Value
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## BIOCHEMISTRY

BLOOD SUGAR PP	119.2	mg/dl	80 - 160
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\*\*\*\* End Of Report \*\*\*\*

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

## Report



(GEM212170906)(R)Kardic by Allengers

3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg Date: 26-Aug-2024 Technician : MD SAQUIB NEHAL

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	76	41 %	120/80	091	00	
Standing	00:08	0:01	00.0	00.0	01.0	69	37 %	120/80	082	00	
HV	00:13	0:01	00.0	00.0	01.0	068	37 %	120/80	081	00	
Warm Up	00:18	0:01	01.0	00.0	01.0	068	37 %	120/80	081	00	
ExStart	00:32	0:06	01.7	10.0	01.1	086	46 %	120/80	103	00	
BRUCE/ Stage 1	03:32	3:00	01.7	10.0	04.7	109	59 %	125/85	136	00	
BRUCE/ Stage 2	06:32	3:00	02.5	12.0	07.1	123	66 %	130/90	159	00	
BRUCE/ Stage 3	09:32	3:00	03.4	14.0	10.2	160	86 %	135/95	216	00	
PeakEx	09:32	3:00	03.4	14.0	10.2	160	86 %	135/95	216	00	
Recovery	10:31	1:00	01.1	00.0	04.3	133	72 %	130/90	172	00	
Recovery	11:31	2:00	01.1	00.0	01.0	133	72 %	120/80	159	00	
Recovery	11:40	2:08	01.1	00.0	01.0	133	72 %	120/80	159	00	

### Findings :

Exercise Time : 09:01  
Max HR Attained : 168 bpm 91% of Target 185  
Max BP Attained : (Sys) 135/95  
Max WorkLoad Attained : 10.2 Good response to induced stress  
Max ST Dep Lead & Value : avL & -0.7 mm in Recovery mm  
Test End Reasons : Test Complete

### Report :

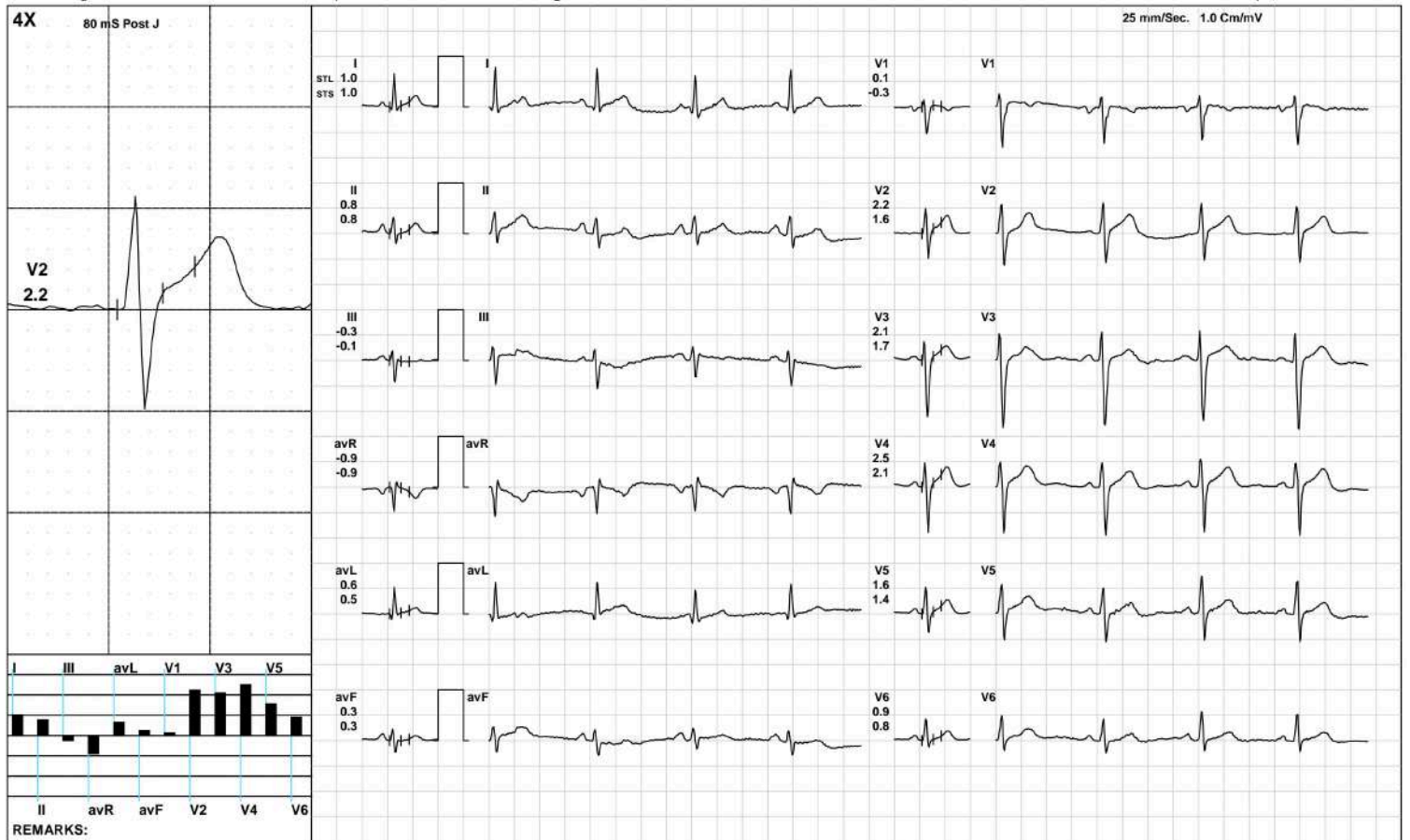
3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 76

Supine



Date: 26-Aug-2024 12:23:29 PM METS: 1.0/ 76 bpm 41% 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

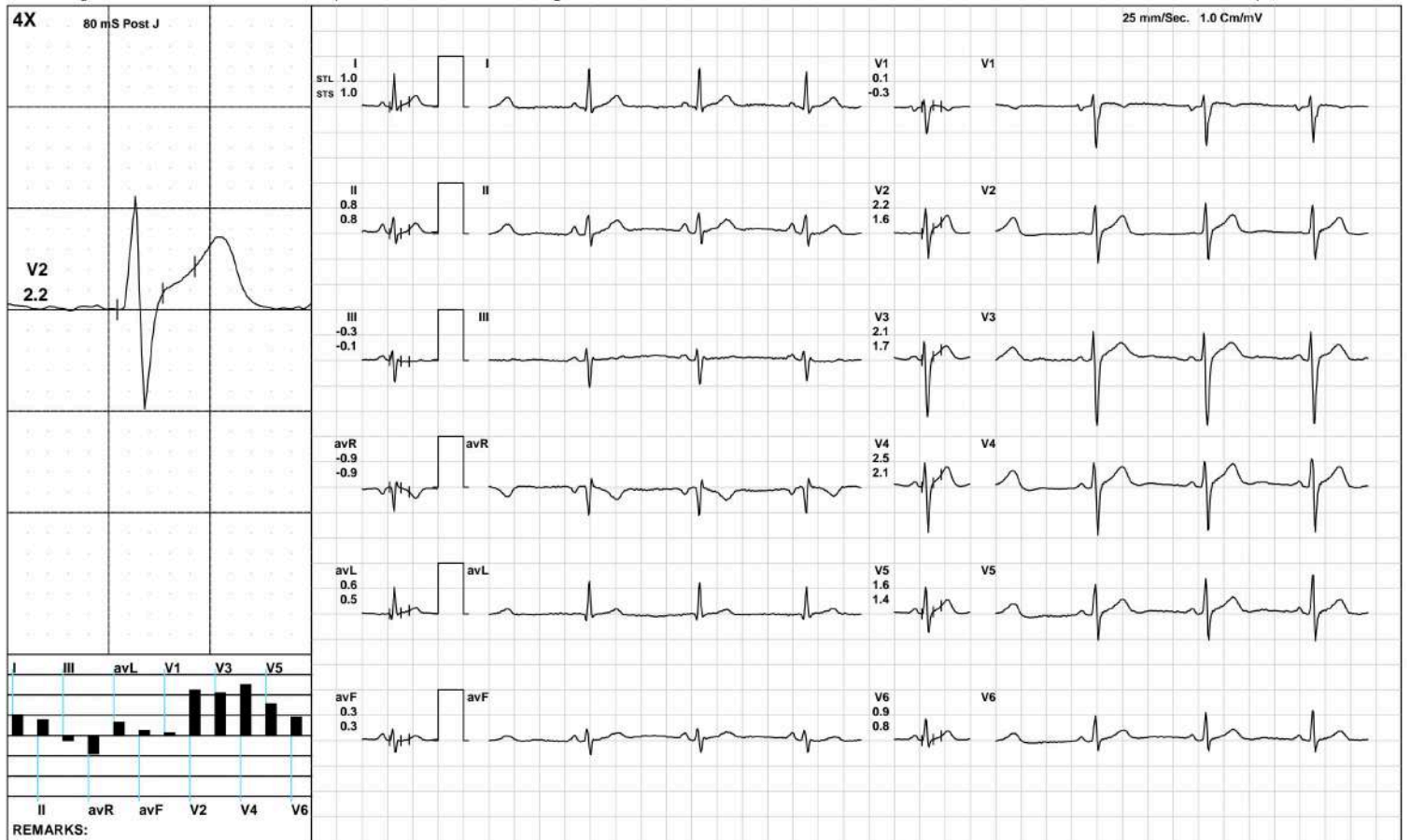
3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 69

Standing



Date: 26-Aug-2024 12:23:29 PM METS: 1.0/ 69 bpm 37% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:08 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

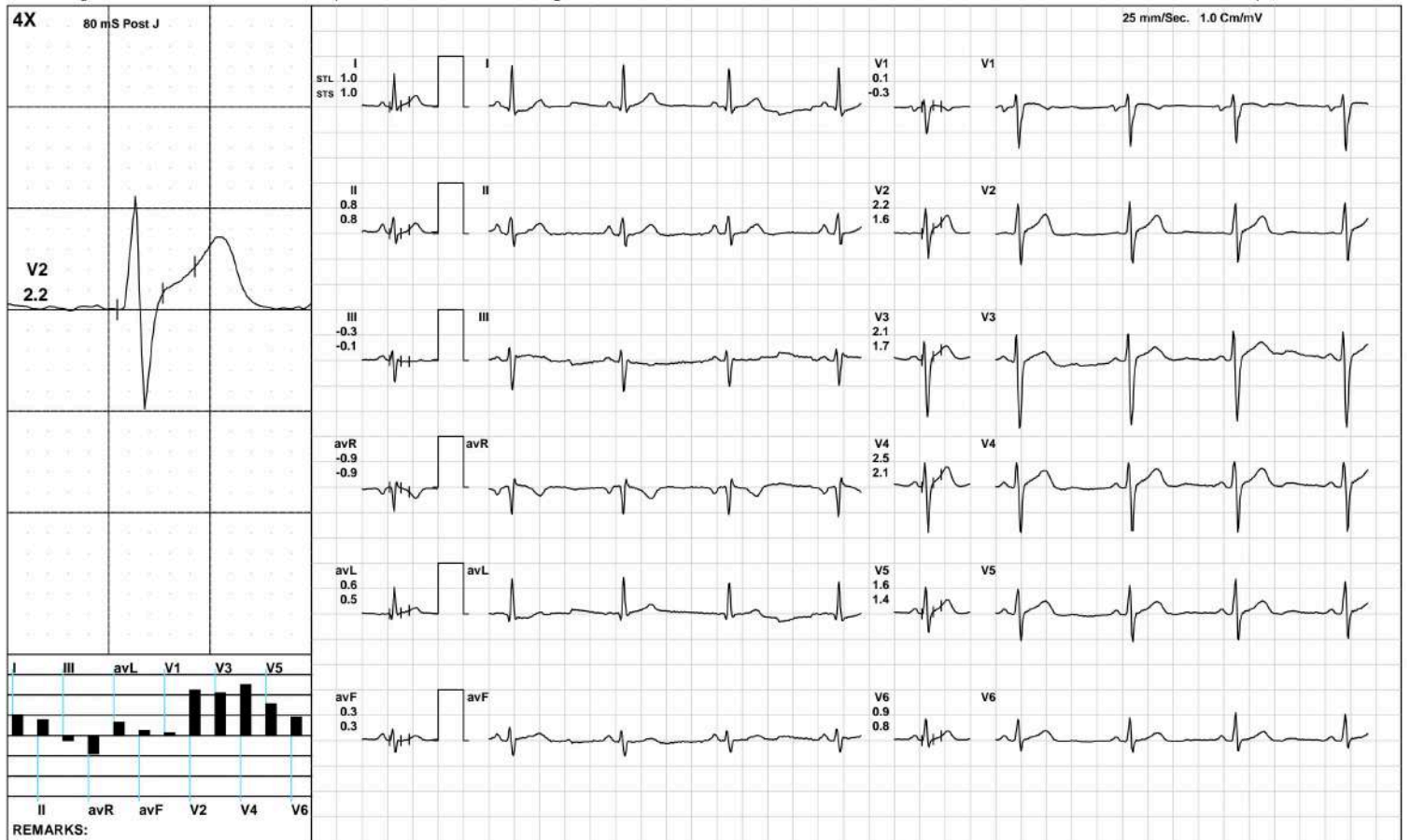
3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 68

HV



Date: 26-Aug-2024 12:23:29 PM METS: 1.0/ 68 bpm 36% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:13 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

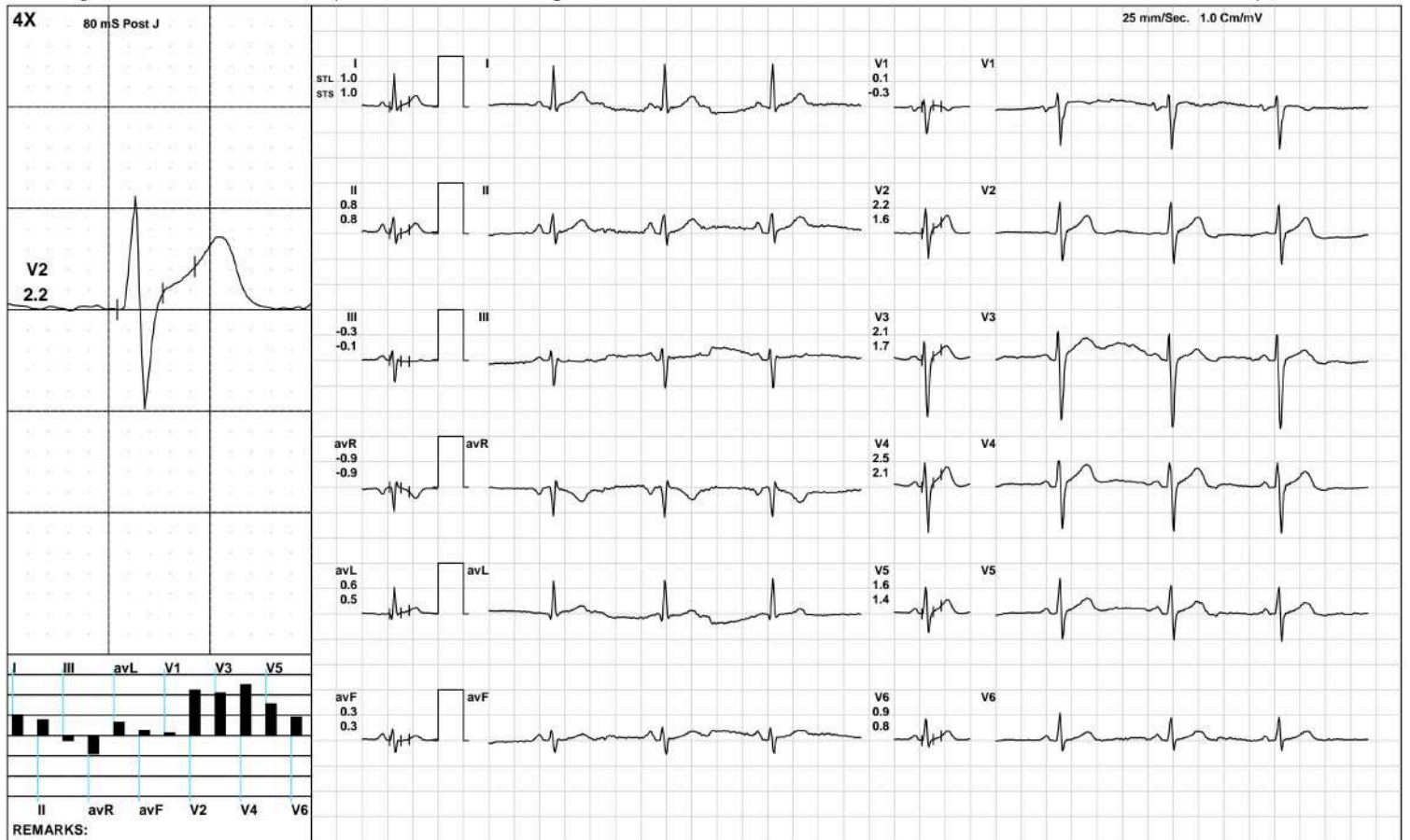
3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 68

Warm Up



Date: 26-Aug-2024 12:23:29 PM METS: 1.0/ 68 bpm 36% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:18 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

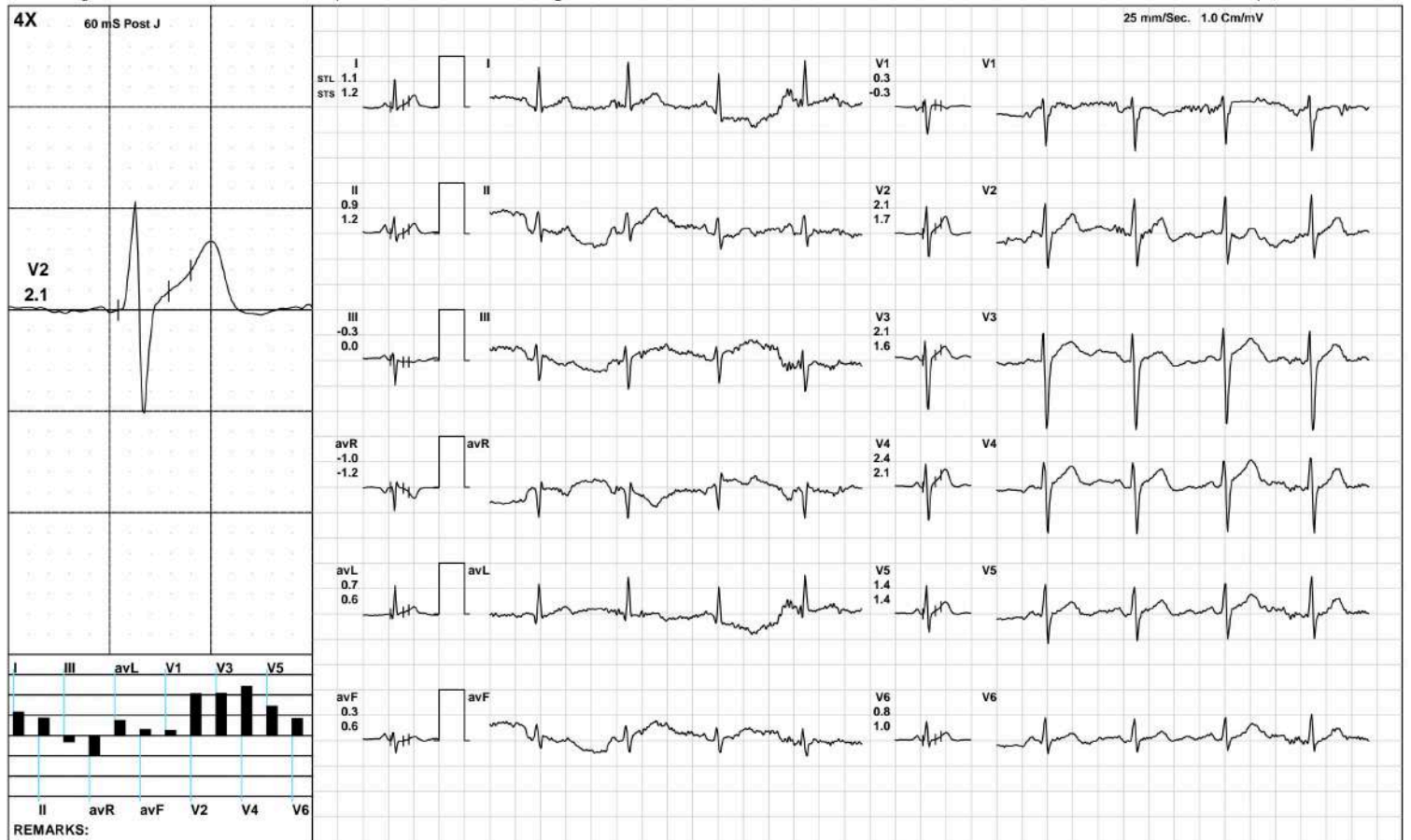
ExStart



3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 86

Date: 26-Aug-2024 12:23:29 PM METS: 1.1/ 86 bpm 46% 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



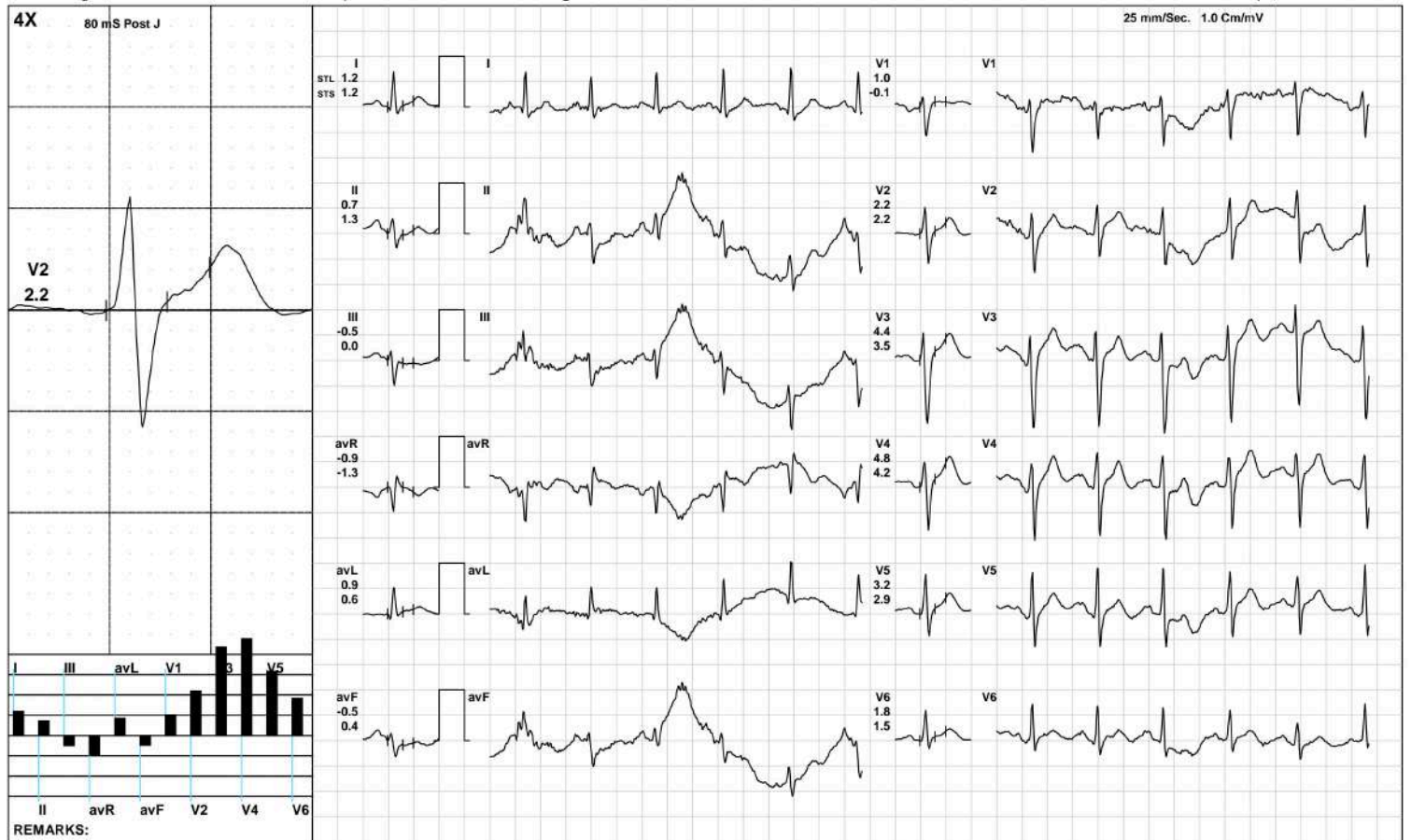
BRUCE/:Stage 1(3:00)



3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 109

Date: 26-Aug-2024 12:23:29 PM METS: 4.7/ 109 bpm 58% 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

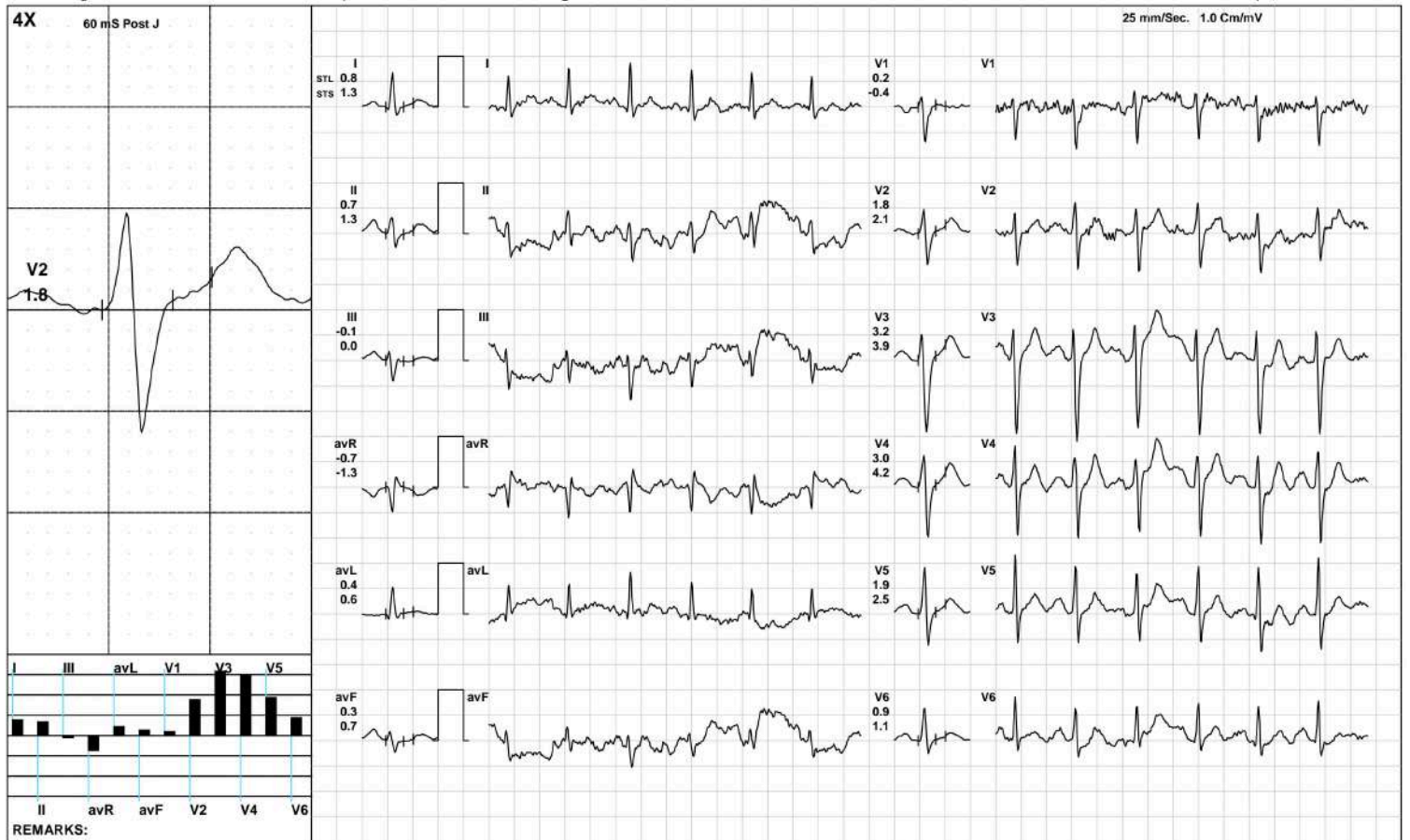
3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 123

BRUCE/:Stage 2(3:00)



Date: 26-Aug-2024 12:23:29 PM METS: 7.1/ 123 bpm 66% 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

BRUCE/Stage 3(3:00)



3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 160

Date: 26-Aug-2024 12:23:29 PM METS: 10.2/ 160 bpm 86% 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%



(GEM212170906)(R)Kardic by Allengers

3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 160

PeakEx



Date: 26-Aug-2024 12:23:29 PM METS: 10.2/ 160 bpm 86% 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%



(GEM212170906)(R)Kardic by Allengers

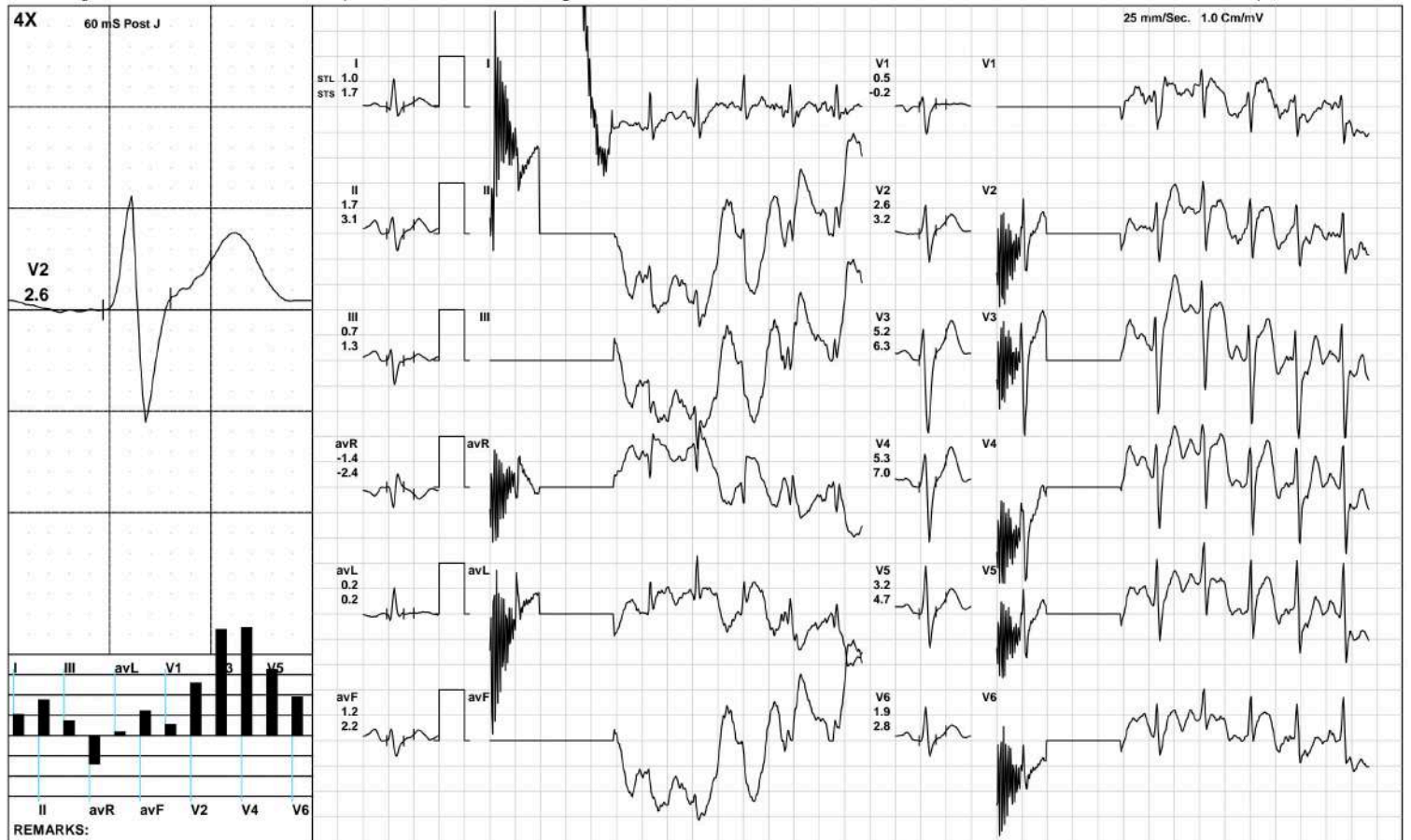
Recovery(1:00)



3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 133

Date: 26-Aug-2024 12:23:29 PM METS: 4.3/ 133 bpm 71% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:01 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

Recovery(2:00)



3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 133

Date: 26-Aug-2024 12:23:29 PM METS: 1.0/ 133 bpm 71% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:01 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

Recovery(2:08)



3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 133

Date: 26-Aug-2024 12:23:29 PM METS: 1.0/ 133 bpm 71% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 09:01 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

3067 / MANISH KUMAR JHA / 35 Yrs / M / 172 Cms / 63 Kg / HR : 79

ST Measurements



Date: 26-Aug-2024 12:23:29 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	1.0	0.8	-0.3	-0.9	0.6	0.3	0.1	2.2	2.1	2.5	1.6	0.9	1.0	0.8	-0.1	-0.9	0.5	0.3	-0.3	1.6	1.7	2.1	1.4	0.8	
60 @mS Standing	1.0	0.8	-0.3	-0.9	0.6	0.3	0.1	2.2	2.1	2.5	1.6	0.9	1.0	0.8	-0.1	-0.9	0.5	0.3	-0.3	1.6	1.7	2.1	1.4	0.8	
HV	1.0	0.8	-0.3	-0.9	0.6	0.3	0.1	2.2	2.1	2.5	1.6	0.9	1.0	0.8	-0.1	-0.9	0.5	0.3	-0.3	1.6	1.7	2.1	1.4	0.8	
Warm Up	1.0	0.8	-0.3	-0.9	0.6	0.3	0.1	2.2	2.1	2.5	1.6	0.9	1.0	0.8	-0.1	-0.9	0.5	0.3	-0.3	1.6	1.7	2.1	1.4	0.8	
ExStart	1.1	0.9	-0.3	-1.0	0.7	0.3	0.3	2.1	2.1	2.4	1.4	0.8	1.2	1.2	0.0	-1.2	0.6	0.6	-0.3	1.7	1.6	2.1	1.4	1.0	
Stage 1	1.2	0.7	-0.5	-0.9	0.9	-0.5	1.0	2.2	4.4	4.8	3.2	1.8	1.2	1.3	0.0	-1.3	0.6	0.4	-0.1	2.2	3.5	4.2	2.9	1.5	
Stage 2	0.8	0.7	-0.1	-0.7	0.4	0.3	0.2	1.8	3.2	3.0	1.9	0.9	1.3	1.3	0.0	-1.3	0.6	0.7	-0.4	2.1	3.9	4.2	2.5	1.1	
Stage 3	0.8	1.3	-0.2	-0.2	-0.4	0.0	0.7	2.8	3.7	3.7	2.0	0.9	2.0	1.1	-1.6	-1.1	0.0	-1.6	1.0	4.8	6.7	7.5	5.5	3.5	
PeakEx	0.8	1.3	-0.2	-0.2	-0.4	0.0	0.7	2.8	3.7	3.7	2.0	0.9	2.0	1.1	-1.6	-1.1	0.0	-1.6	1.0	4.8	6.7	7.5	5.5	3.5	
Recovery	1.1	1.6	0.6	-1.4	0.5	1.0	0.6	2.9	5.2	5.3	3.2	1.9	1.8	3.1	1.2	-2.4	0.2	1.9	0.1	4.0	6.4	7.5	4.8	3.3	
Recovery	1.0	3.5	3.2	-2.2	-0.7	3.7	0.1	2.2	5.8	5.5	3.1	1.3	1.8	3.5	1.5	-2.6	0.1	2.3	-0.3	3.5	7.2	7.9	5.0	2.7	
Recovery	1.0	3.5	3.2	-2.2	-0.7	3.7	0.1	2.2	5.8	5.5	3.1	1.3	1.8	3.5	1.5	-2.6	0.1	2.3	-0.3	3.5	7.2	7.9	5.0	2.7	



		I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
STI( $\mu$ Vs)	Supine	9.6	8.1	-1.5	-8.9	5.6	3.3	-0.4	18.7	16.0	20.6	13.4	8.2
	Standing	9.6	8.1	-1.5	-8.9	5.6	3.3	-0.4	18.7	16.0	20.6	13.4	8.2
	HV	9.6	8.1	-1.5	-8.9	5.6	3.3	-0.4	18.7	16.0	20.6	13.4	8.2
	Warm Up	9.6	8.1	-1.5	-8.9	5.6	3.3	-0.4	18.7	16.0	20.6	13.4	8.2
	ExStart	8.7	6.9	-1.9	-7.8	5.3	2.5	0.8	14.0	12.8	15.6	9.9	6.1
	Stage 1	7.8	3.2	-4.6	-5.4	6.3	-4.6	7.5	13.0	26.7	28.6	19.2	11.3
	Stage 2	3.3	2.6	-0.7	-2.9	1.9	0.9	1.9	7.1	13.1	11.8	7.7	3.7
	Stage 3	1.9	7.9	1.2	0.0	-3.2	4.1	3.1	8.3	10.1	9.2	2.2	-1.4
	PeakEx	1.9	7.9	1.2	0.0	-3.2	4.1	3.1	8.3	10.1	9.2	2.2	-1.4
	Recovery	3.8	4.9	1.9	-4.8	2.3	2.9	3.2	10.7	19.4	18.6	11.1	5.8
	Recovery	3.0	14.5	15.9	-8.7	-4.2	17.5	0.9	7.4	21.6	19.6	10.4	3.8
	Recovery	3.0	14.5	15.9	-8.7	-4.2	17.5	0.9	7.4	21.6	19.6	10.4	3.8

## Median Measurement Summary



3067 / MANISH KUMAR JHA / 35 Yrs / Male / 172 Cm / 63 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 & PJ)	Min. Post JRR Var (μV)	(%)	VEB (Counts)	Missed Beats (Counts)
00:30	97	254	68	0	304	184	774	-1308	377	24	III	-27	0.00	0	0
01:00	102	166	72	-6	418	229	786	-1312	299	-79	avL	-43	0.00	0	0
01:30	108	158	58	-6	413	229	786	-1312	299	-79	III	-43	0.00	0	0
02:00	114	186	66	-9	406	202	723	-1342	413	-150	III	-61	0.00	0	0
02:30	114	166	50	-6	434	236	771	-1315	457	-172	III	-110	0.00	0	0
03:00	113	164	50	-30	418	224	817	-1329	600	-298	avF	-139	0.00	0	0
03:30	122	84	58	0	422	27951	28146	-19939	28146	-4283	III	-4319	0.00	0	0
04:00	127	152	56	7	435	291	986	-1368	501	-164	avF	-142	0.00	0	0
04:30	126	108	68	-2	420	328	888	-1397	512	-61	III	-78	0.00	0	0
05:00	132	98	56	179	389	194	887	-1375	-1394	130	III	-99	0.00	0	0
05:30	125	126	58	189	439	-968	992	-1400	599	-103	III	-55	0.00	0	0
06:00	129	148	56	-4	424	291	934	-1442	537	-398	III	-291	0.00	0	0
06:30	139	148	68	-24	423	246	951	-1486	580	-79	III	-149	0.00	0	0
07:00	155	124	68	-26	299	548	906	-1586	-459	-137	avF	-420	0.00	0	0
07:30	160	116	68	-49	305	-2156	906	-1532	935	-209	III	-379	0.00	0	0
08:00	162	114	66	-44	415	-1956	980	-1956	537	-193	V6	-57	0.00	0	0
08:30	161	108	56	-34	316	-856	520	-1522	-1010	-595	II	-548	0.00	0	0
09:00	156	108	56	1	316	564	756	-1499	-682	-303	avF	-400	0.00	0	0
09:30	146	114	64	-24	407	-532	719	-1503	735	-67	III	-368	0.00	0	0
10:00	133	132	58	-12	400	292	962	-1503	782	-301	V6	-3	0.00	0	0
10:30	133	148	58	-2	413	191	856	-1519	760	-31	avL	-40	0.00	0	0
11:00	133	148	58	-2	413	191	856	-1519	760	-31	avL	-40	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



40804100636

**TEST REPORT**

<b>Reg.No</b> : 40804100636	<b>Reg.Date</b> : 27-Aug-2024 13:43	<b>Collection</b> : 27-Aug-2024 13:43
<b>Name</b> : MANISH KUMAR JHA	<b>Sex</b> : Male	<b>Received</b> : 27-Aug-2024 13:43
<b>Age</b> : 35 Years	<b>Status</b> : Final	<b>Report</b> : 27-Aug-2024 14:37
<b>Referred By</b> : AAROGYAM DIAGNOSTICS @ PATNA		<b>Dispatch</b> : 27-Aug-2024 14:58
<b>Referral Dr</b> : □		<b>Location</b> : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
<b>THYROID FUNCTION TEST</b>			
T3 (triiodothyronine), Total <small>CMIA</small>	0.94	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CMIA</small>	7.00	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) <small>CMIA</small>	3.871	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**

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