



भारत सरकार

Government of India



लाल बाबु राम

Lal Babu Ram

जन्म तिथि/DOB: 01/12/1973

पुरुष/ MALE



8472 7715 1169

VID 915924028449112028

मेरा आधार, मेरी पहचान

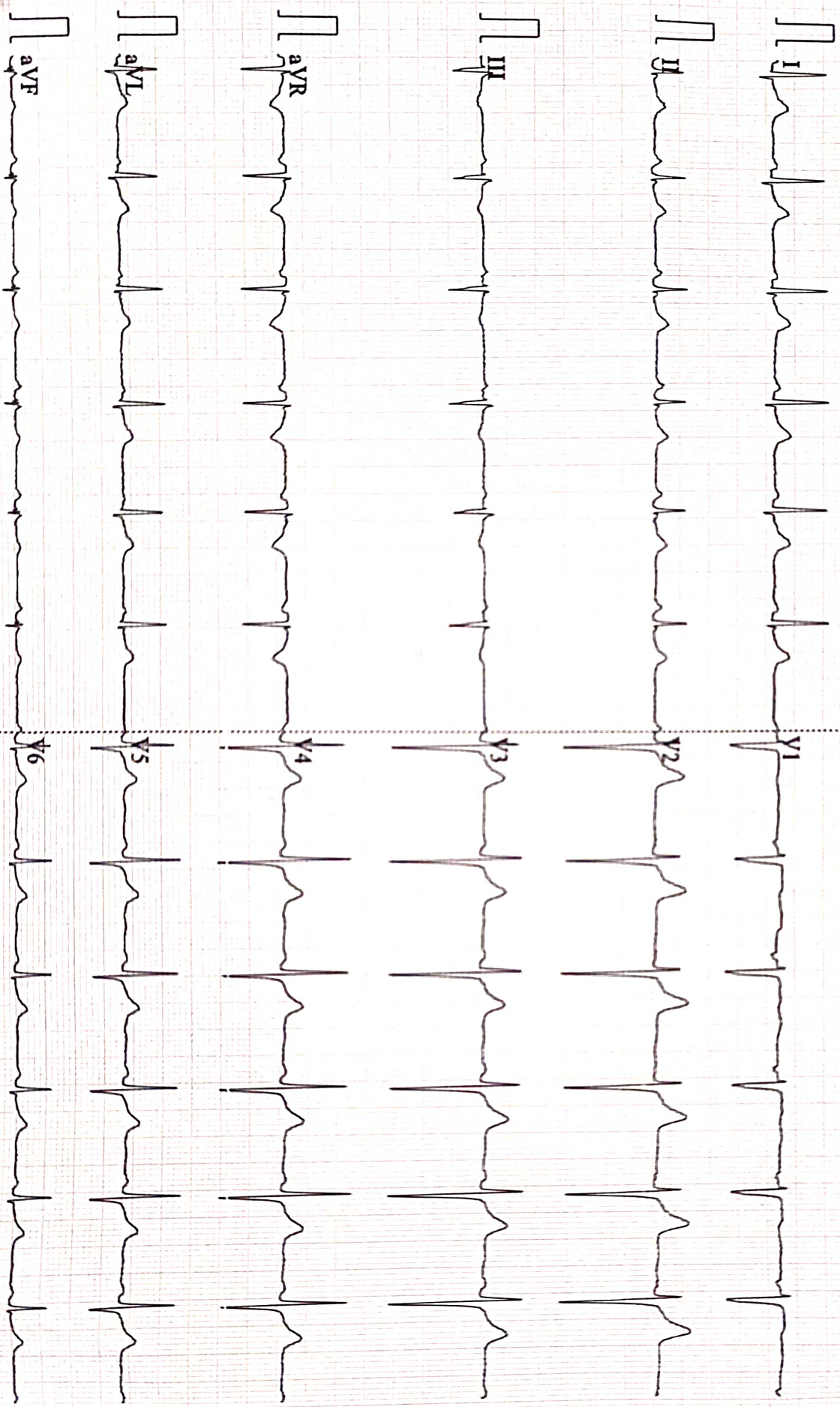
ID: 871
LAL BABU RAM
Male 50Years

26-08-2024 11:39:45 AM

HR : 72 bpm
P : 97 ms
PR : 138 ms
QRS : 82 ms
QT/QTc : 372/407 ms
P/QRS/T : 38/6/17 °
RV5/SV1 : 0.947/0.848 mV

Diagnosis Information:
Sinus Rhythm
Normal ECG

Ref-Phys: **RAMAN**
DR. **SRINIVAS** MD
Report Completed: 26/08/2024
Regd. No: 33940



Patient Name	LAL BABU RAM	Date	26-08-2024
Age/Sex	50/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
info@aarogyamdiagnostics.com
www.aarogyamdiagnostics.com

Name :- Lal Babu Ram
Refd by :- Corp.

Age/Sex:- 50Yrs/M
Date :- 26/08/24

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Enlarged in size(17.0cm) 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 (11.0cm) 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 9.9cm and Left Kidney measures 10.5cm.
- Ureters** :- Ureters are normal.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size (20.0cc) & echotexture.
- Others** :- No ascites or abdominal adenopathy is seen.
No free subphrenic / basal pleural space collection is seen.
Excessive Bowel Gas.

IMPRESSION:- *Hepatomegaly With Grade II Fatty Changes Liver.
Excessive Bowel Gas.
Otherwise Normal Scan.*

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



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Date	26/08/2024	Srl No.	10	Patient Id	2408260010
Name	Mr. LAL BABU RAM	Age	50 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	6.2	%	

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	26/08/2024	Srl No. 10	Patient Id 2408260010
Name	Mr. LAL BABU RAM	Age 50 Yrs.	Sex M
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	13.5	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	5,700	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	64	%	40 - 75
LYMPHOCYTE	30	%	20 - 45
EOSINOPHIL	02	%	01 - 06
MONOCYTE	04	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN's METHOD)	13	mm/1st hr.	0 - 15
R B C COUNT	4.52	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	40.5	%	40 - 54
M C V	89.6	fl.	80 - 100
M C H	29.87	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	2.24	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"B"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	123.4	mg/dl	70 - 110
SERUM CREATININE	1.21	mg%	0.7 - 1.4
BLOOD UREA	29.1	mg /dl	15.0 - 45.0
SERUM URIC ACID	4.31	mg%	3.4 - 7.0
<u>LIVER FUNCTION TEST (LFT)</u>			



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Date	26/08/2024	Srl No. 10	Patient Id 2408260010
Name	Mr. LAL BABU RAM	Age 50 Yrs.	Sex M
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.63	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.21	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.42	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.21	gm/dl	6.6 - 8.3
ALBUMIN	4.37	gm/dl	3.4 - 5.2
GLOBULIN	2.84	gm/dl	2.3 - 3.5
A/G RATIO	1.539		
SGOT	41.3	IU/L	5 - 40
SGPT	39.2	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	78.5	U/L	40.0 - 130.0
GAMMA GT	24.6	IU/L	8.0 - 71.0

LFT INTERPRET

LIPID PROFILE

TRIGLYCERIDES	137.6	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	162.5	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	60.2	mg/dL	35.1 - 88.0
V L D L	27.52	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	74.78	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	2.699		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.242		0.00 - 3.55
THYROID PROFILE			
QUANTITY	10	ml.	



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Date	26/08/2024	Srl No. 10	Patient Id 2408260010
Name	Mr. LAL BABU RAM	Age 50 Yrs.	Sex M
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.015		
PH	6.0		
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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Date	26/08/2024	Srl No. 10	Patient Id 2408260010
Name	Mr. LAL BABU RAM	Age 50 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
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Date 26/08/2024	Srl No. 10	Patient Id 2408260010
Name Mr. LAL BABU RAM	Age 50 Yrs.	Sex M
Ref. By Dr.BOB		

Test Name	Value	Unit	Normal Value
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BIOCHEMISTRY

BLOOD SUGAR PP	178.2	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

3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg Date: 26-Aug-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	79	46 %	130/90	102	00	
Standing	00:06	0:01	00.0	00.0	01.0	77	45 %	130/90	100	00	
HV	00:10	0:01	00.0	00.0	01.0	077	45 %	130/90	100	00	
Warm Up	00:17	0:01	01.0	00.0	01.0	082	48 %	130/90	106	00	
ExStart	01:13	0:06	01.7	10.0	01.1	126	74 %	130/90	163	00	
BRUCE/ Stage 1	04:13	3:00	01.7	10.0	04.7	151	89 %	135/95	203	00	
PeakEx	05:42	1:29	02.5	12.0	05.9	168	99 %	135/95	226	00	
Recovery	06:41	1:00	01.1	00.0	01.0	160	94 %	130/90	208	00	
Recovery	07:41	2:00	01.1	00.0	01.0	146	86 %	130/90	189	00	
Recovery	09:10	3:28	01.1	00.0	01.0	135	79 %	130/90	175	00	

Findings :

Exercise Time : 04:30
Max HR Attained : 168 bpm 99% of Target 170
Max BP Attained : (Sys) 135/95
Max WorkLoad Attained : 5.9 Fair response to induced stress
Max ST Dep Lead & Value : III & -2.0 mm in Recovery mm
Test End Reasons : Fatigue

Report :

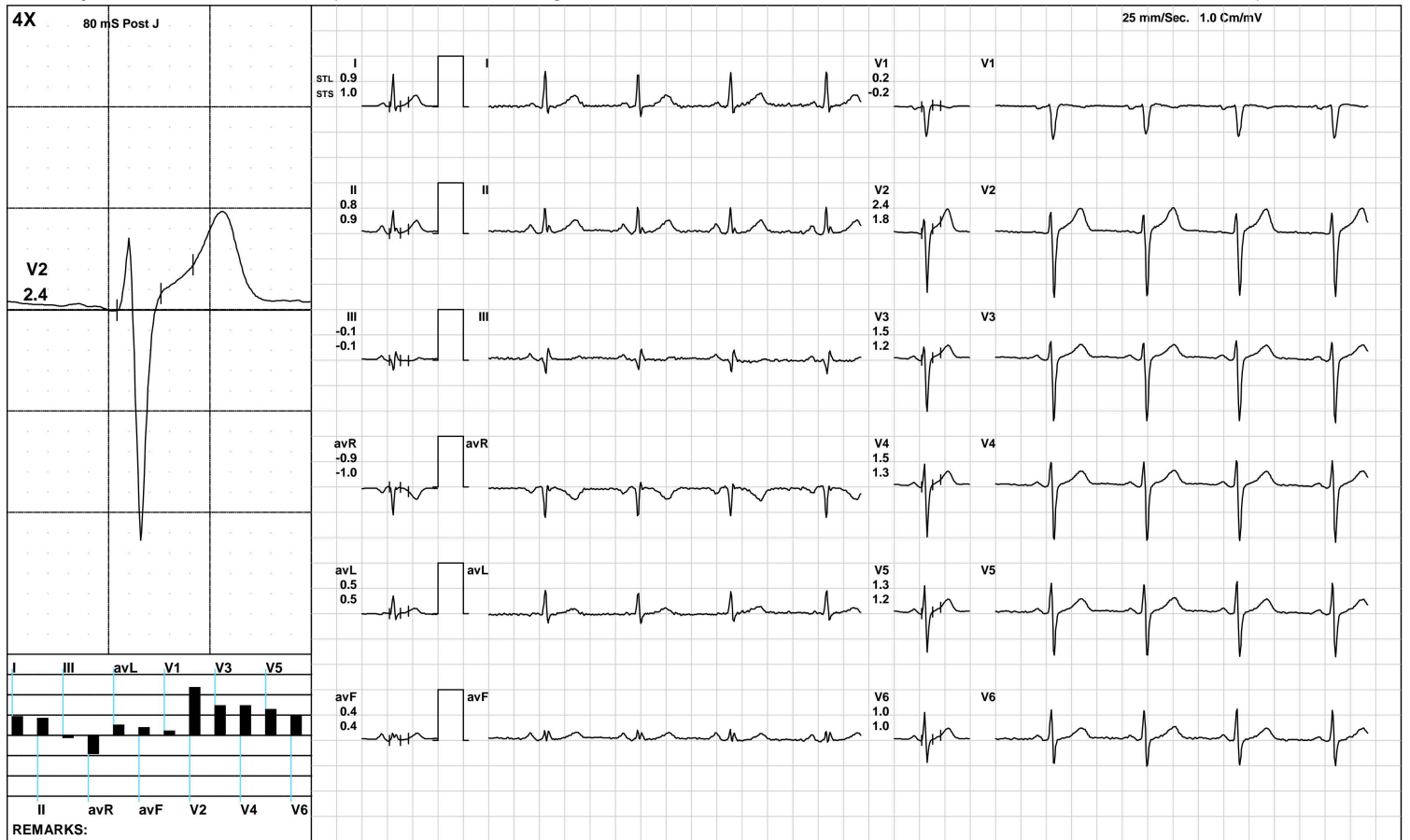
3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 79

Supine



Date: 26-Aug-2024 11:48:47 AM METS: 1.0/ 79 bpm 46% of THR BP: 130/90 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

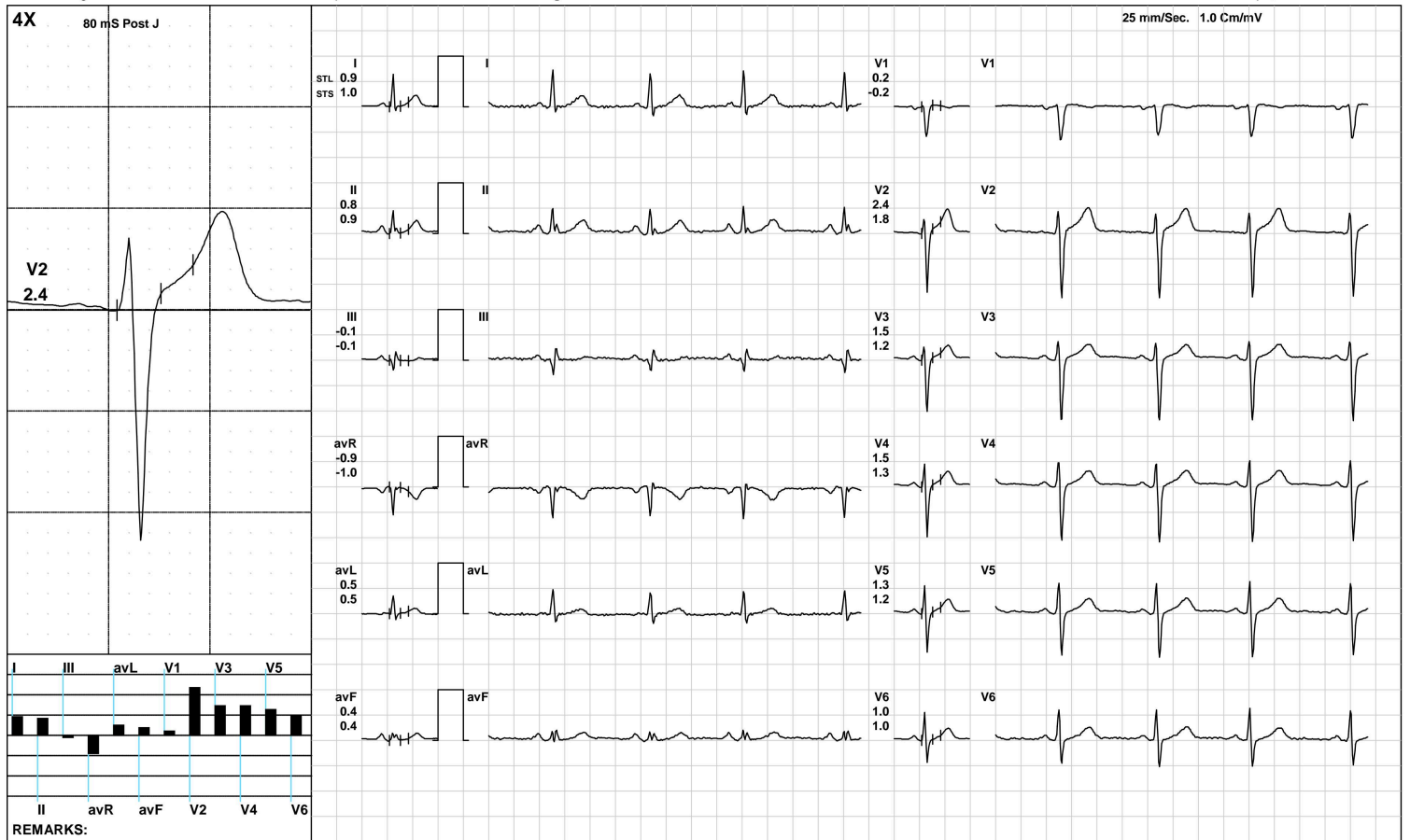
3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 77

Standing



Date: 26-Aug-2024 11:48:47 AM METS: 1.0/ 77 bpm 45% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:06 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

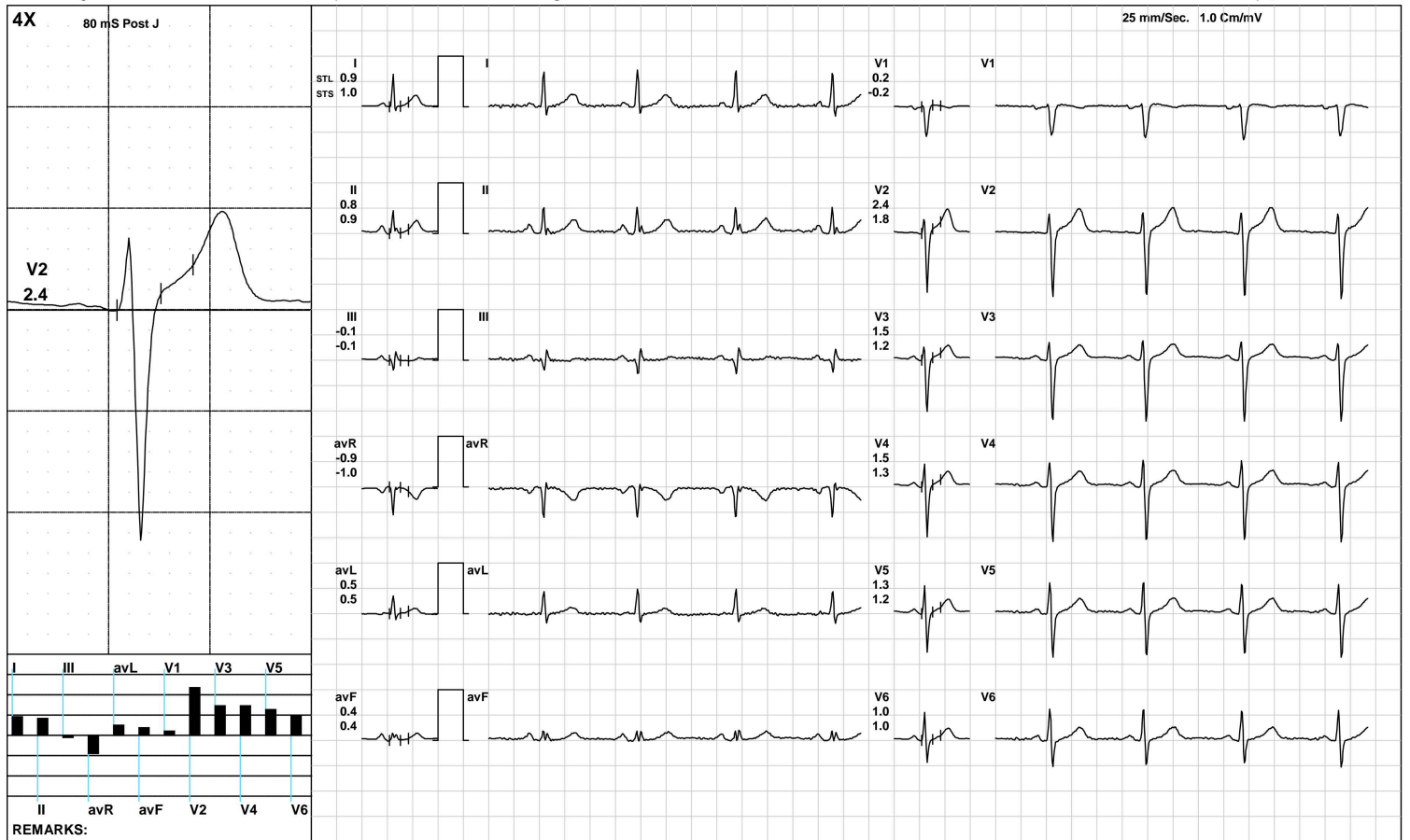
3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 77

HV



Date: 26-Aug-2024 11:48:47 AM METS: 1.0/ 77 bpm 45% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:10 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

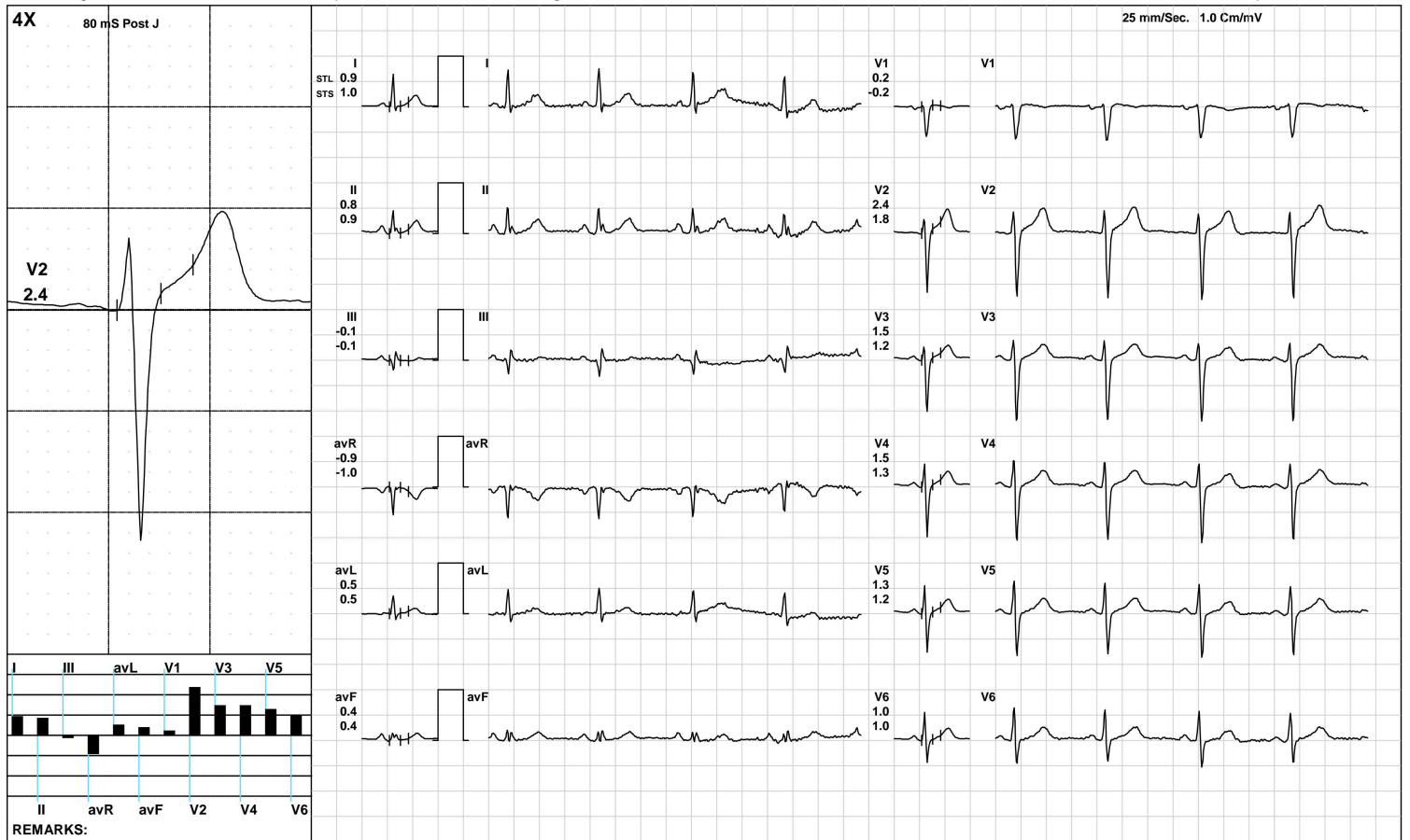
3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 82

Warm Up



Date: 26-Aug-2024 11:48:47 AM METS: 1.0/ 82 bpm 48% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:17 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 126

ExStart



Date: 26-Aug-2024 11:48:47 AM METS: 1.1/ 126 bpm 74% of THR BP: 130/90 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

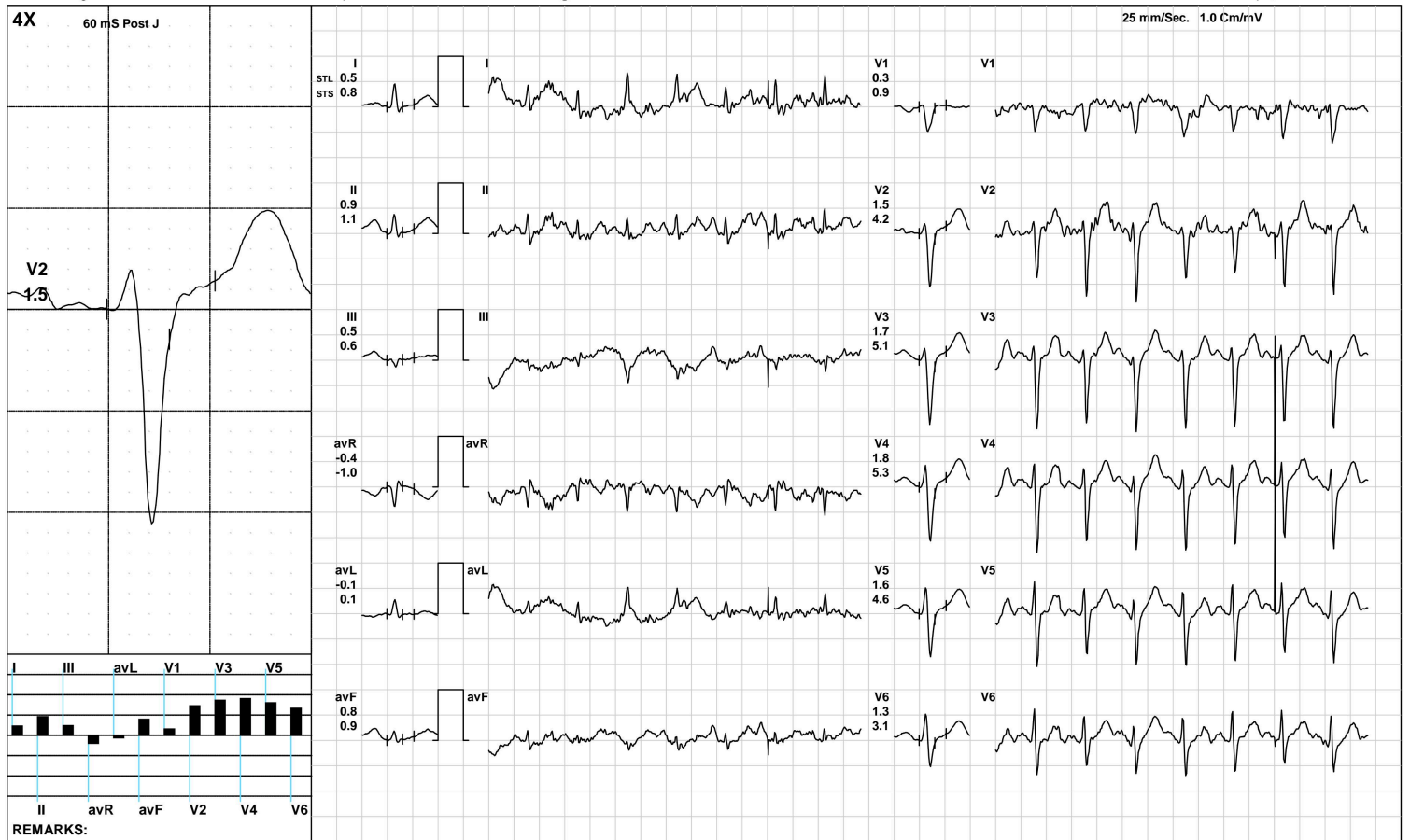
3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 151

BRUCE/:Stage 1(3:00)



Date: 26-Aug-2024 11:48:47 AM METS: 4.7/ 151 bpm 88% of THR BP: 135/95 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

3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 168

PeakEx



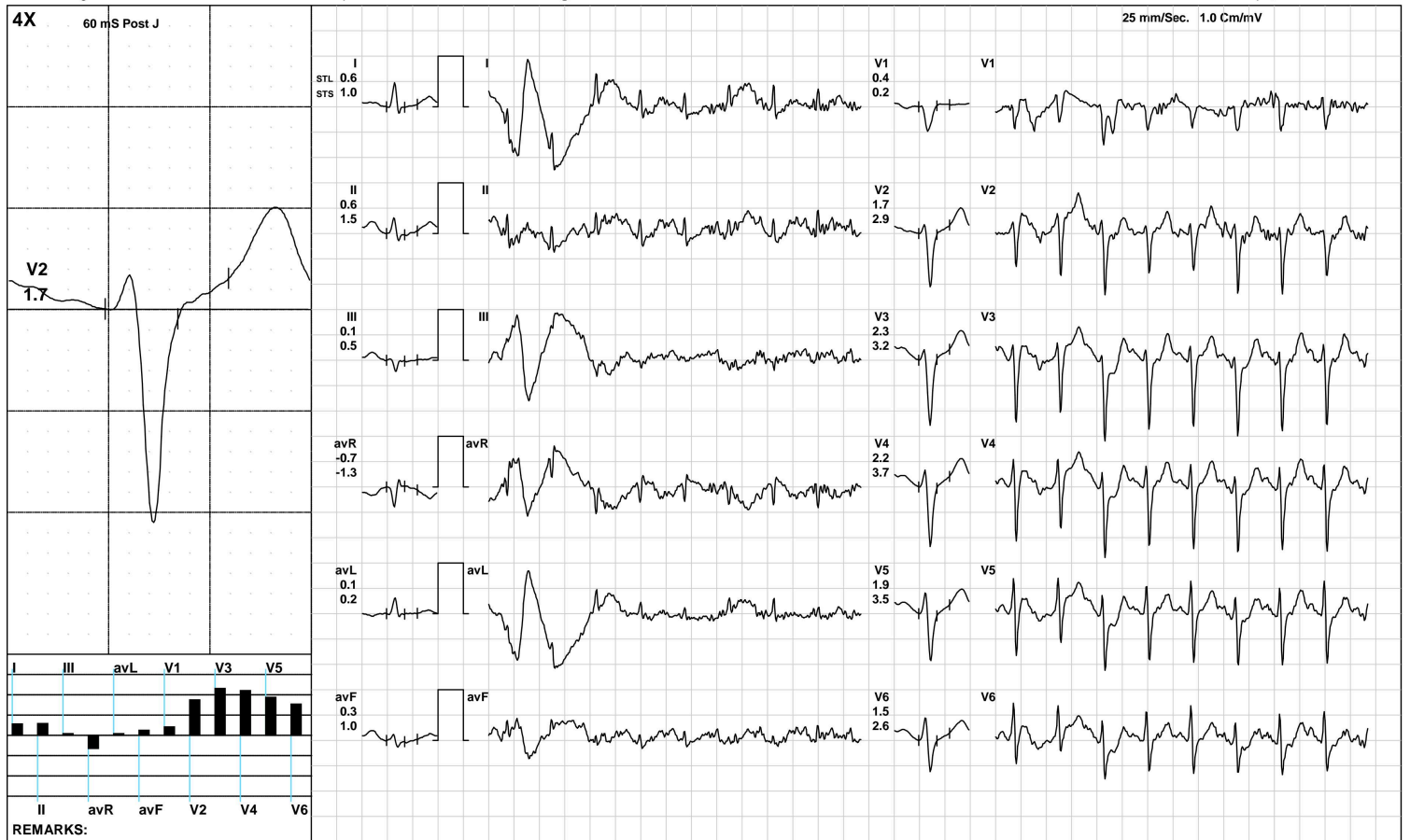
Date: 26-Aug-2024 11:48:47 AM

METS: 5.9/ 168 bpm 98% of THR

BP: 135/95 mmHg

Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 04:29 2.5 mph, 12.0%



(GEM212170906)(R)Kardic by Allengers

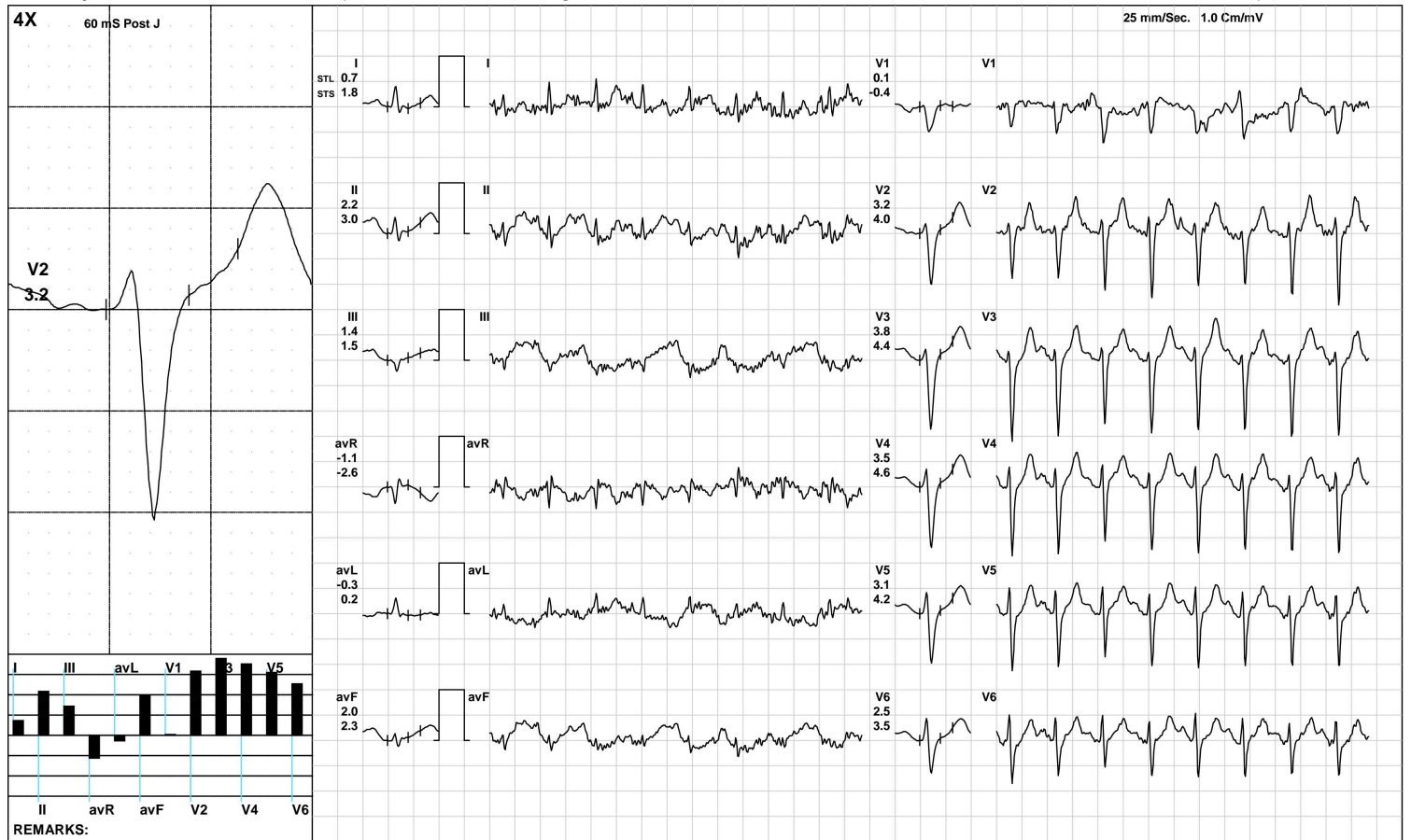
Recovery(1:00)



3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 160

Date: 26-Aug-2024 11:48:47 AM METS: 1.0/ 160 bpm 94% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 04:30 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 146

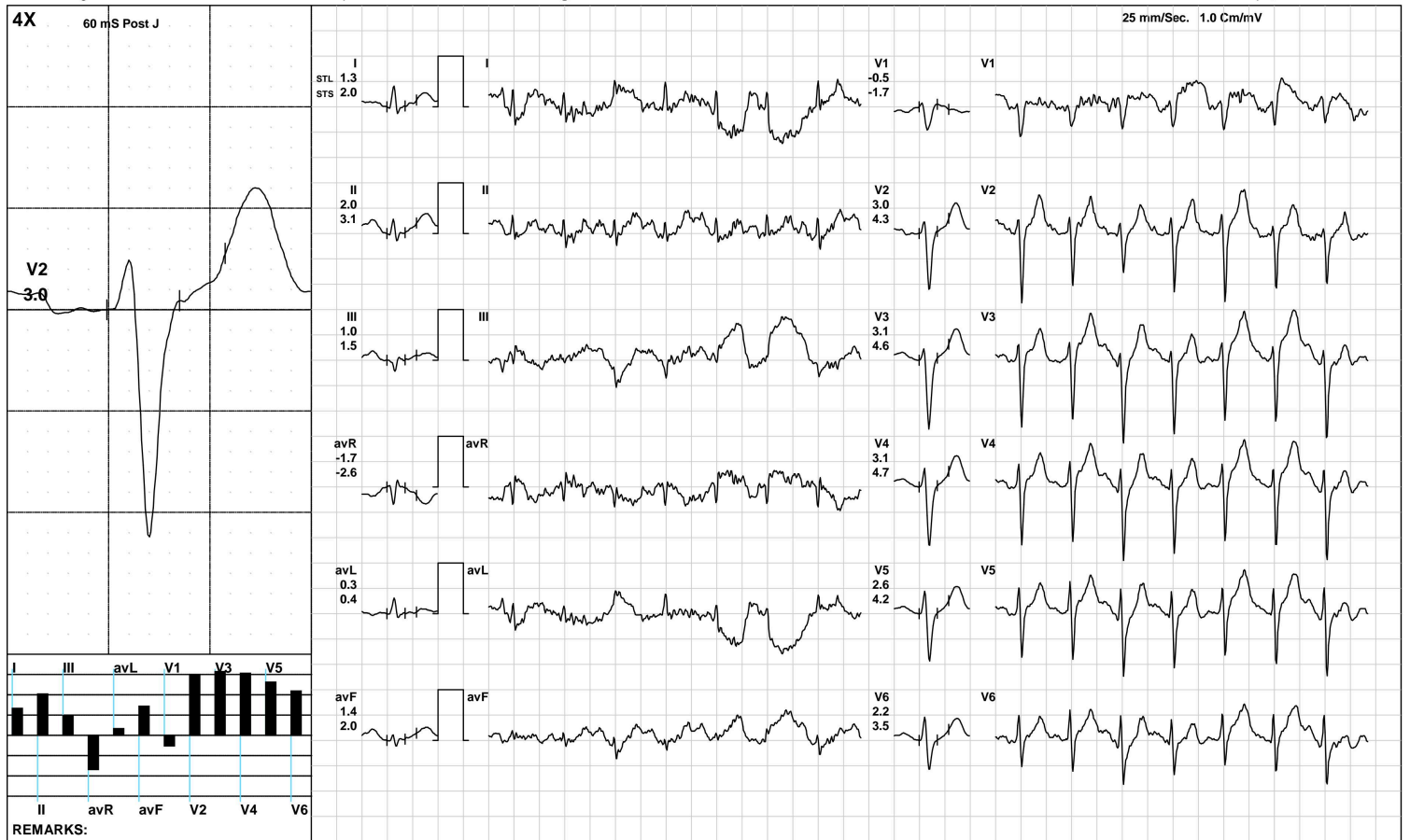
Recovery(2:00)



Date: 26-Aug-2024 11:48:47 AM

METS: 1.0/ 146 bpm 85% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 04:30 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 135

Recovery(3:28)

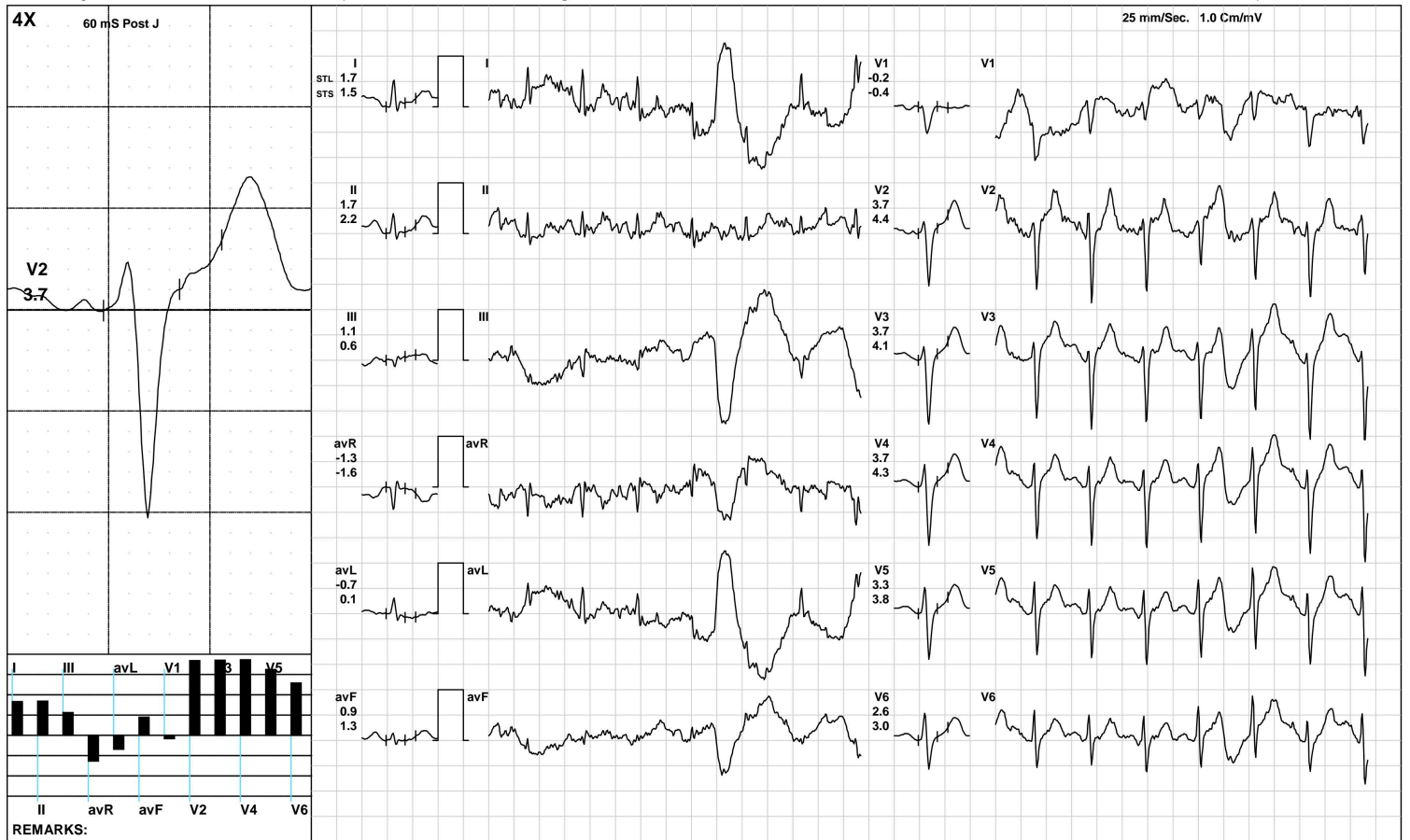


Date: 26-Aug-2024 11:48:47 AM

METS: 1.0/ 135 bpm 79% of THR

BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 04:30 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

ST Measurements



3066 / MR. LAL BABU RAM / 50 Yrs / M / 166 Cms / 91 Kg / HR : 83

Date: 26-Aug-2024 11:48:47 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	0.9	0.8	-0.1	-0.9	0.5	0.4	0.2	2.4	1.5	1.5	1.3	1.0	1.0	0.9	-0.1	-1.0	0.5	0.4	-0.2	1.8	1.2	1.3	1.2	1.0	
60 @mS Standing	0.9	0.8	-0.1	-0.9	0.5	0.4	0.2	2.4	1.5	1.5	1.3	1.0	1.0	0.9	-0.1	-1.0	0.5	0.4	-0.2	1.8	1.2	1.3	1.2	1.0	
HV	0.9	0.8	-0.1	-0.9	0.5	0.4	0.2	2.4	1.5	1.5	1.3	1.0	1.0	0.9	-0.1	-1.0	0.5	0.4	-0.2	1.8	1.2	1.3	1.2	1.0	
Warm Up	0.9	0.8	-0.1	-0.9	0.5	0.4	0.2	2.4	1.5	1.5	1.3	1.0	1.0	0.9	-0.1	-1.0	0.5	0.4	-0.2	1.8	1.2	1.3	1.2	1.0	
ExStart	-0.4	0.8	1.0	-0.2	-0.8	1.1	0.9	2.0	1.9	2.2	1.9	1.6	0.1	0.4	0.4	-0.2	-0.1	0.3	0.3	1.8	1.8	2.1	1.8	1.2	
Stage 1	0.5	0.9	0.5	-0.4	-0.1	0.8	0.3	1.5	1.7	1.8	1.6	1.3	0.8	1.1	0.6	-1.0	0.1	0.9	0.9	4.2	5.1	5.3	4.6	3.1	
PeakEx	0.6	0.6	0.1	-0.7	0.1	0.3	0.4	1.7	2.3	2.2	1.9	1.5	1.0	1.5	0.5	-1.3	0.2	1.0	0.2	2.9	3.2	3.7	3.5	2.6	
Recovery	1.0	1.3	0.5	-1.0	0.2	0.9	1.0	1.7	1.9	2.0	1.6	1.4	1.9	2.2	0.2	-1.9	0.8	1.1	1.2	4.8	5.1	5.3	4.4	3.1	
Recovery	2.4	0.7	-2.0	-1.5	0.5	0.7	2.5	0.9	2.7	2.5	2.1	1.5	4.6	2.6	-1.9	-3.6	1.7	1.4	3.4	5.7	8.5	8.7	7.8	5.2	
Recovery	1.0	1.4	0.5	-1.2	0.2	0.7	-0.1	2.2	2.5	2.4	2.0	1.6	1.8	2.5	0.3	-2.1	0.5	1.5	-0.2	3.1	4.3	3.7	3.3	2.7	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
STI(μVs)												
Supine		9.0	8.9	-0.1	-8.9	4.5	4.5	1.2	22.1	13.5	13.7	9.9
Standing		9.0	8.9	-0.1	-8.9	4.5	4.5	1.2	22.1	13.5	13.7	9.9
HV		9.0	8.9	-0.1	-8.9	4.5	4.5	1.2	22.1	13.5	13.7	9.9
Warm Up		9.0	8.9	-0.1	-8.9	4.5	4.5	1.2	22.1	13.5	13.7	9.9
ExStart		-4.6	4.5	7.0	0.0	-6.7	7.0	8.9	12.1	12.3	13.6	10.1
Stage 1		1.5	2.7	1.6	-0.3	-0.5	2.7	1.5	5.1	5.7	5.6	4.0
PeakEx		1.2	0.3	-0.7	-1.0	0.1	-0.6	2.8	4.9	8.0	6.6	4.2
Recovery		2.5	3.0	1.8	-2.1	0.2	2.6	5.7	3.3	5.3	4.8	3.2
Recovery		11.1	0.4	-12.2	-5.3	3.2	1.4	10.5	1.8	8.3	6.7	3.1
Recovery		2.5	4.4	2.5	-3.4	0.2	1.6	0.5	8.5	8.6	8.8	5.4

Median Measurement Summary



3066 / MR. LAL BABU RAM / 50 Yrs / Male / 166 Cm / 91 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	113	196	66	31	450	207	634	-1200	494	43	III	-46	0.00	0
01:00	125	170	86	18	354	193	636	-1218	362	-89	avL	-99	0.00	0
01:30	135	130	66	32	338	184	668	-1219	396	-18	III	-53	0.00	0
02:00	142	144	64	26	325	186	664	-1242	407	35	III	-23	0.00	0
02:30	148	106	64	22	346	223	591	-1262	470	-94	avL	-57	0.00	0
03:00	151	138	64	14	325	199	552	-1274	486	-90	I	-46	0.00	0
03:30	150	116	62	25	339	235	580	-1273	504	5	III	-37	0.00	0
04:00	152	132	62	7	323	234	502	-1289	523	-108	avL	-127	0.00	0
04:30	159	116	66	24	329	246	541	-1306	513	-84	avL	-37	0.00	0
05:00	166	120	66	15	333	235	563	-1342	510	-202	V1	-86	0.00	0
05:30	168	112	66	9	339	230	525	-1325	582	-53	avL	-43	0.00	0
06:00	164	120	46	-17	342	271	461	-1398	762	-177	I	-161	0.00	0
06:30	163	98	62	-19	318	260	465	-1412	637	-11	avL	-55	0.00	0
07:00	152	120	58	-41	326	262	450	-1387	663	14	III	-83	0.00	0
07:30	146	134	64	-3	405	329	467	-1401	696	-6	avL	-25	0.00	0
08:00	145	104	60	29	426	257	504	-1393	664	-81	avL	-44	0.00	0
08:30	139	144	62	-14	419	227	504	-1414	636	-87	avL	-19	0.00	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



40804100632

TEST REPORT

Reg.No : 40804100632	Reg.Date : 27-Aug-2024 13:33	Collection : 27-Aug-2024 13:33
Name : LAL BABU RAM		Received : 27-Aug-2024 13:33
Age : 50 Years	Sex : Male	Report : 27-Aug-2024 14:31
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 27-Aug-2024 14:52
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine), Total <small>CMI/A</small>	1.03	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CMI/A</small>	8.56	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) <small>CMI/A</small>	3.906	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