



भारत सरकार

GOVERNMENT OF BIHAR



आधार

Issue Date: 15/12/2011



अरुण कुमार
Arun Kumar
जन्म तिथि / DOB : 02/05/1964
पुरुष / Male



6043 1304 2461

मेरा आधार, मेरी पहचान



भारतीय विशिष्ट पहचान प्राधिकरण

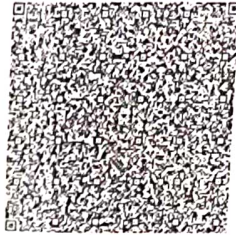
Unique Identification Authority of India



आधार

Print Date: 06/01/2022

पता: S/O राम दास राम, काशी बाजार, छपरा,
सारण, बिहार, 841301
Address: S/O Ram Das Ram, Kashi Bazar,
Chapra, Saran, Bihar, 841301



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1947

help@uidai.gov.in

www.uidai.gov.in

ARUN KUMAR
Male 59 Years

13-05-2023 09:29:43 AM

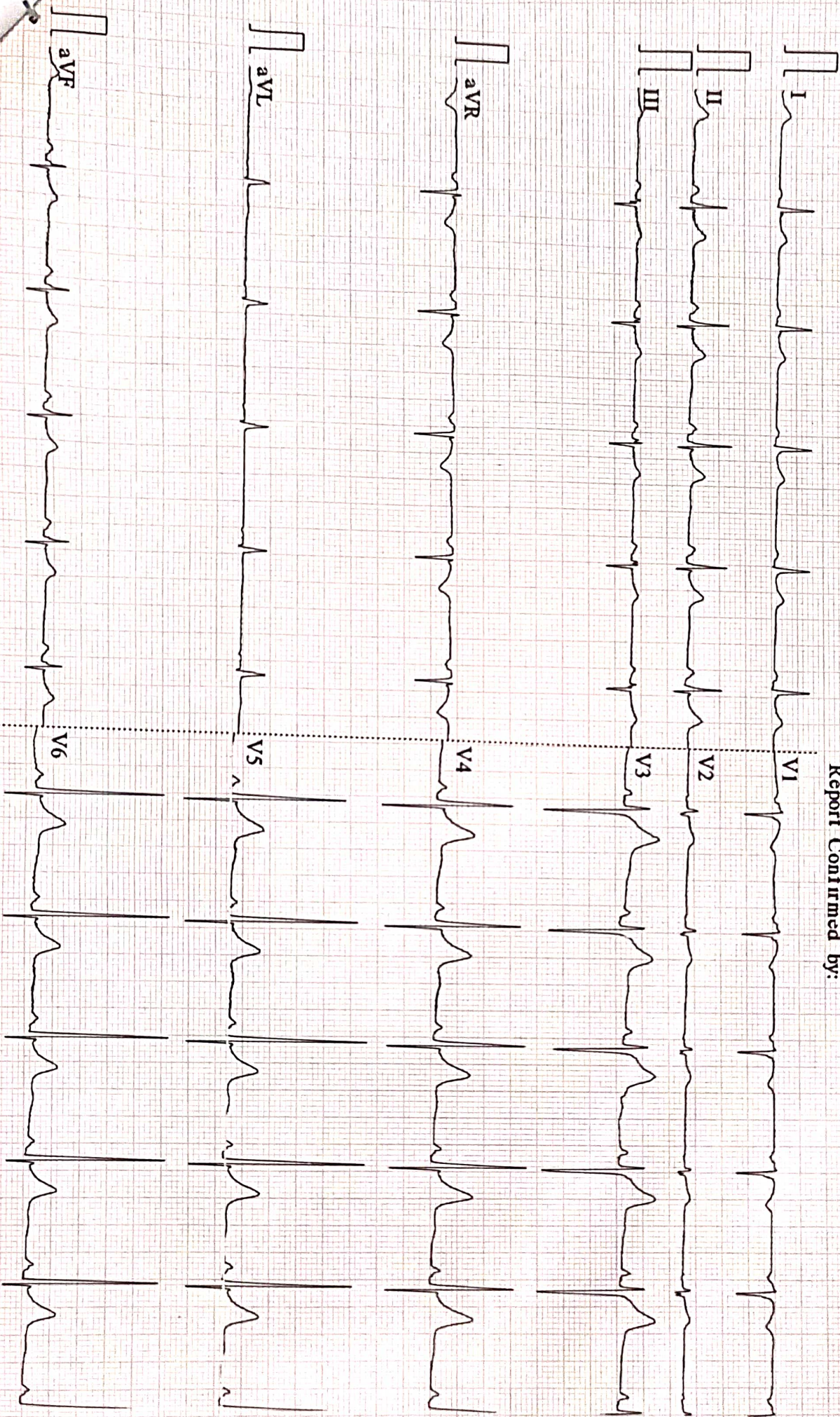
Diagnosis Information:

Sinus Rhythm

Normal ECG

HR	: 65	bpm
P	: 91	ms
PR	: 131	ms
QRS	: 77	ms
QT/QTc	: 358/374	ms
P/QRS/T	: 64/2/54	°
RV5/SV1	: 2.415/0.692	mV

Ref-Phys
Report Confirmed by:



0.07~100Hz AC50 25mm/s 10mm/mV 275.0s 65 V2.2 SEMIP V1&I DIAGNOSTIC

BPL

Aarogyam Diagnostics
Patna-20

Report



(GEM212170906)(R)Kardic by Allengers

1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg Date: 13-May-2023 Technician : ARUN

Stage	Time	Duration	Belt Speed (mph)	Elevation	METs	Rate	% THR Achieved	BP	RPP	PVC	Comments
Supine	00:08	0:01	00.0	00.0	01.0	81	50 %	---/---	000	00	
Standing	00:25	0:01	00.0	00.0	01.0	81	50 %	---/---	000	00	
HV	00:38	0:01	00.0	00.0	01.0	083	52 %	---/---	000	00	
Warm Up	01:00	0:01	01.0	00.0	01.0	084	52 %	---/---	000	00	
ExStart	01:10	0:06	01.7	10.0	01.1	108	67 %	---/---	000	00	
BRUCE/ Stage 1	04:10	3:00	01.7	10.0	04.7	121	75 %	125/85	151	00	
BRUCE/ Stage 2	07:10	3:00	02.5	12.0	07.1	140	87 %	130/90	182	00	
PeakEx	08:55	1:45	03.4	14.0	08.9	155	96 %	135/95	209	00	
Recovery	09:54	1:00	01.1	00.0	01.2	133	83 %	130/90	172	00	
Recovery	10:54	2:00	01.1	00.0	01.0	082	51 %	125/85	102	00	
Recovery	12:28	3:33	01.1	00.0	01.0	083	52 %	120/80	099	00	

Findings :

Exercise Time : 07:46
Max HR Attained : 155 bpm 96% of Target 161
Max BP Attained : (Sys) 135/95
Max WorkLoad Attained : 8.9 Fair response to induced stress
Max ST Dep Lead & Value : V3 & -7.1 mm in PeakEx mm
Test End Reasons : Fatigue

Report :

Aarogam Diagnostics

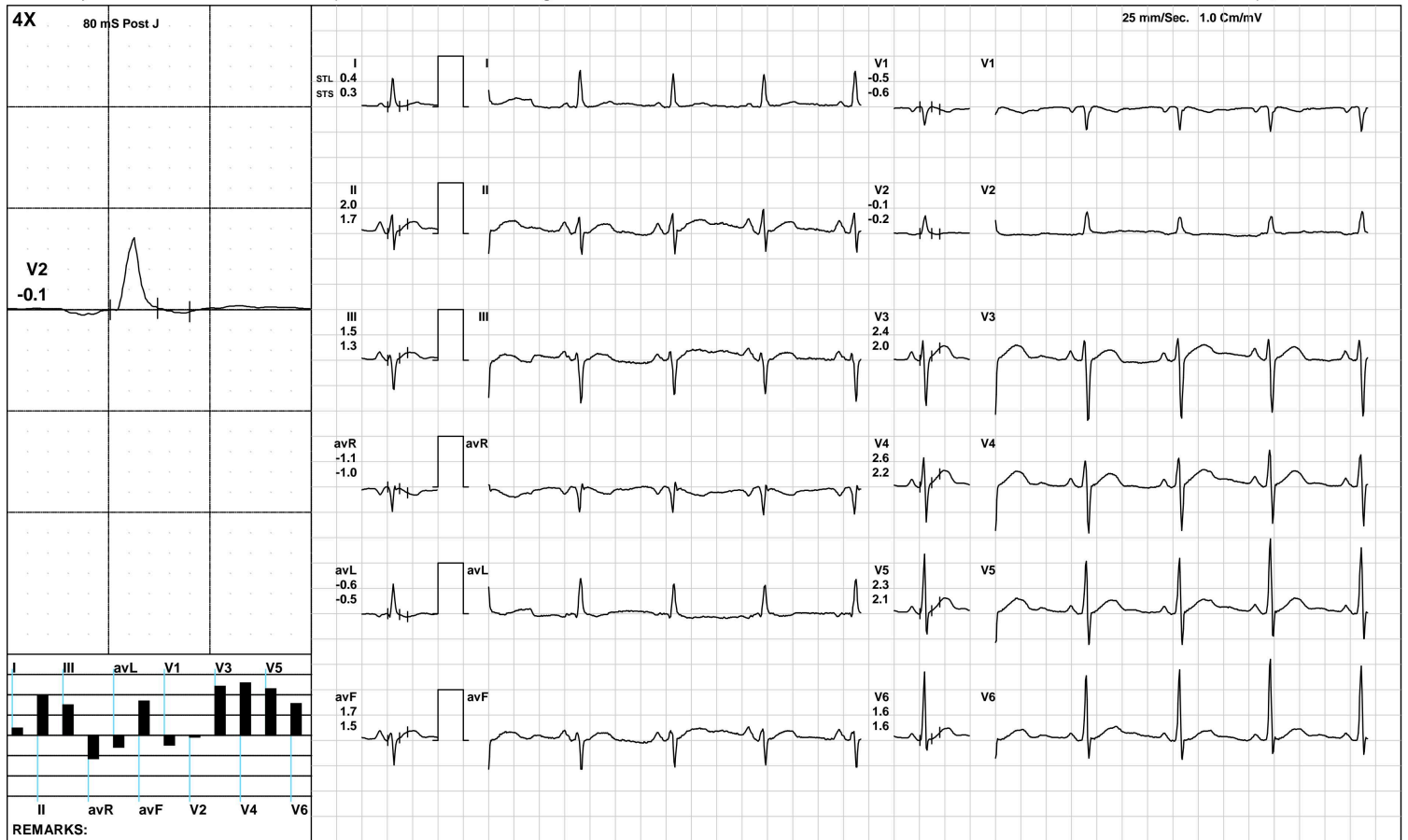
Supine



1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 81

Date: 13-May-2023 11:44:06 AM METS: 1.0/ 81 bpm 50% of THR BP: ---/--- mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:08 0.0 mph, 0.0%



Aarogyam Diagnostics

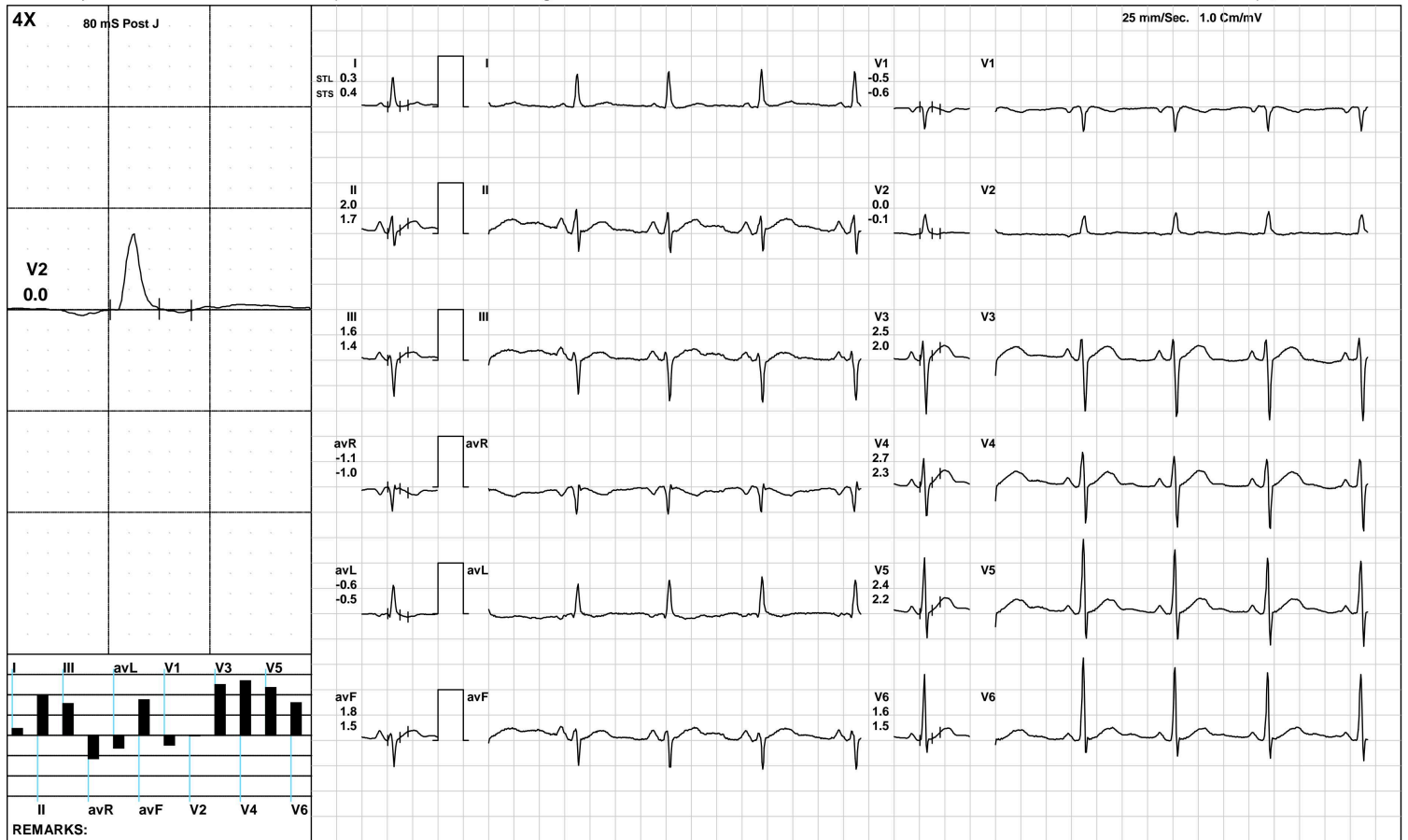
Standing



1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 81

Date: 13-May-2023 11:44:06 AM METS: 1.0/ 81 bpm 50% of THR BP: ---/--- mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:25 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

Aarogam Diagnostics

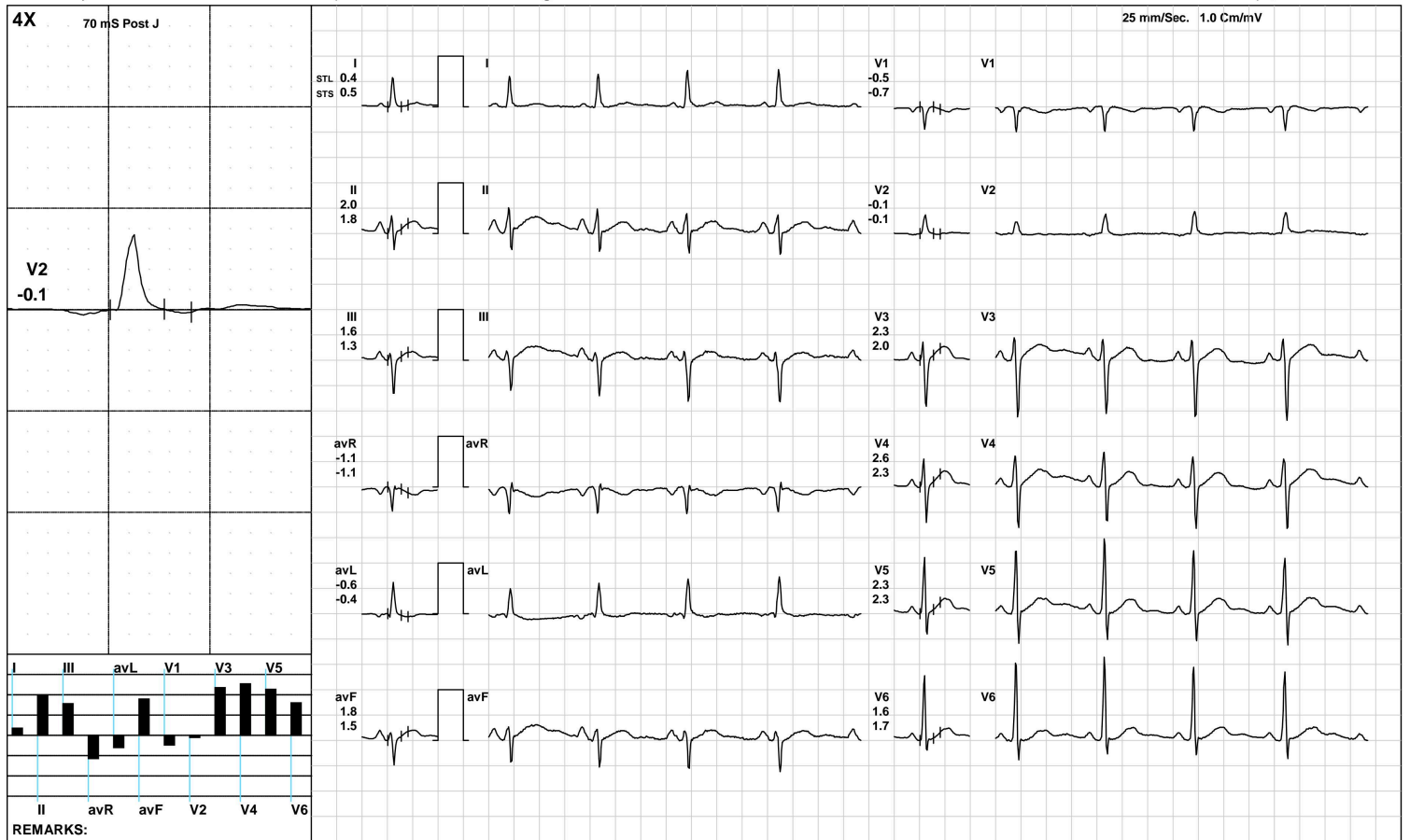
HV



1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 83

Date: 13-May-2023 11:44:06 AM METS: 1.0/ 83 bpm 51% of THR BP: ---/--- mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:38 0.0 mph, 0.0%



Aarogam Diagnostics

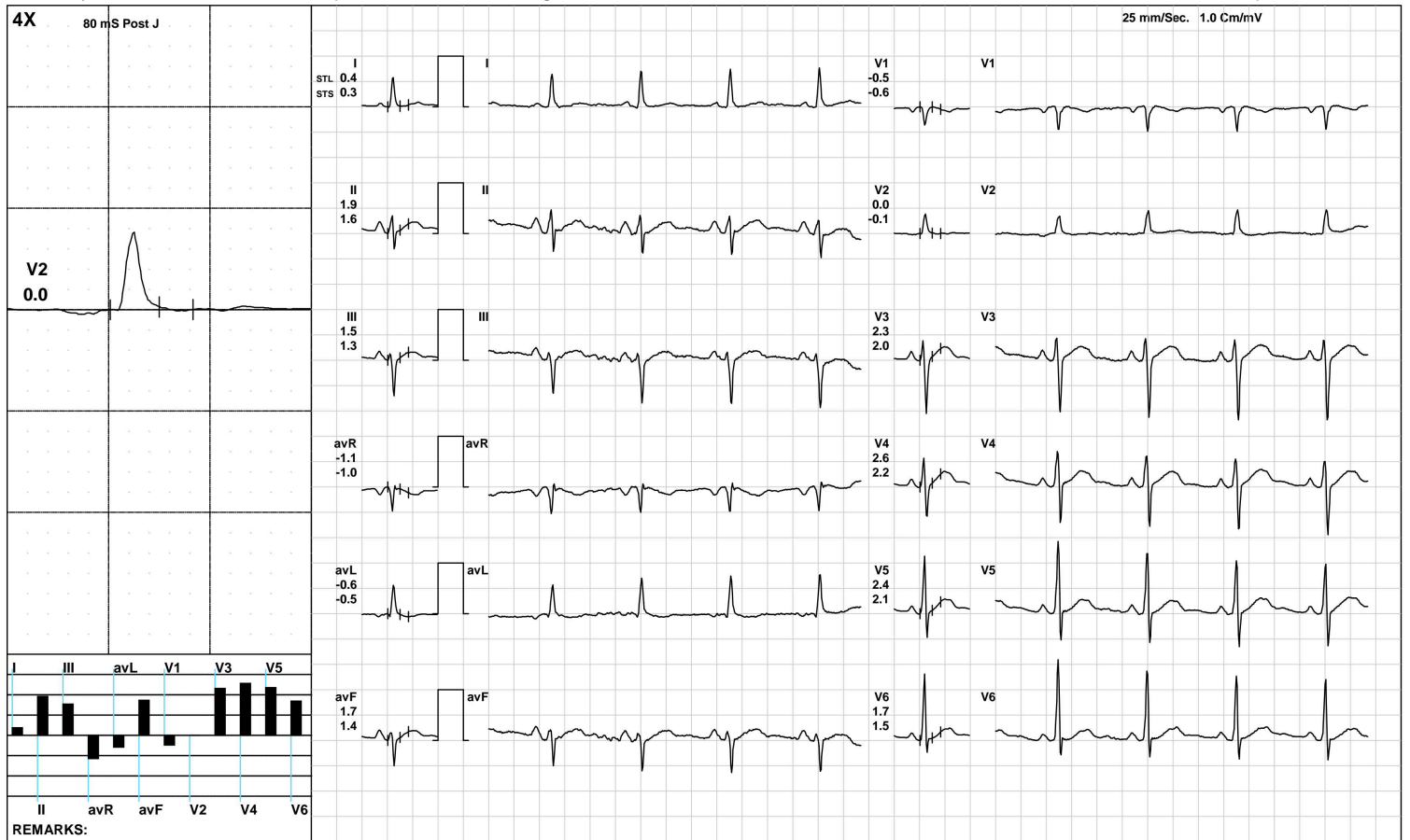
Warm Up



1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 84

Date: 13-May-2023 11:44:06 AM METS: 1.0/ 84 bpm 52% of THR BP: ---/--- mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 01:00 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

Aarogam Diagnostics

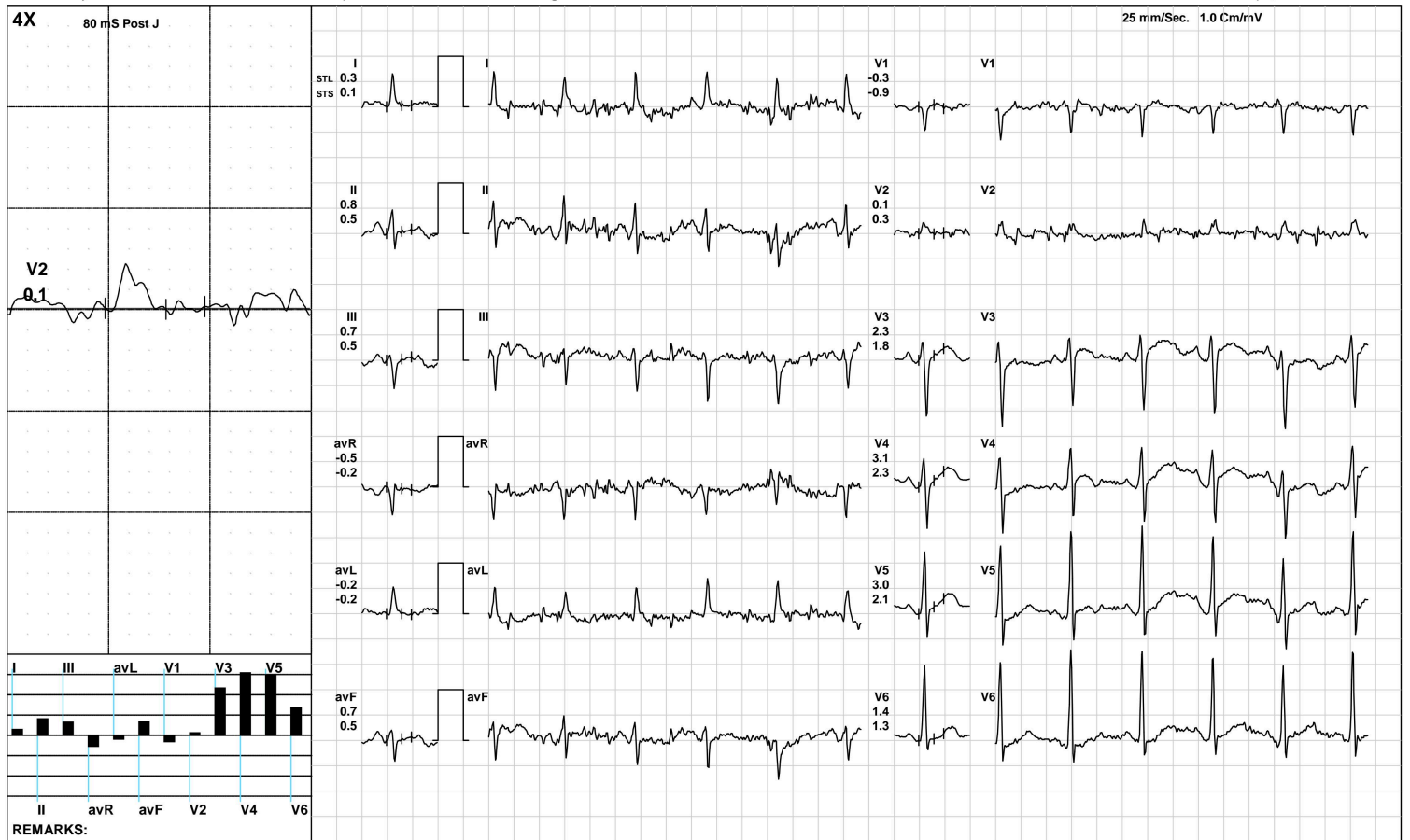
ExStart



1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 108

Date: 13-May-2023 11:44:06 AM METS: 1.1/ 108 bpm 67% of THR BP: ---/-- 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

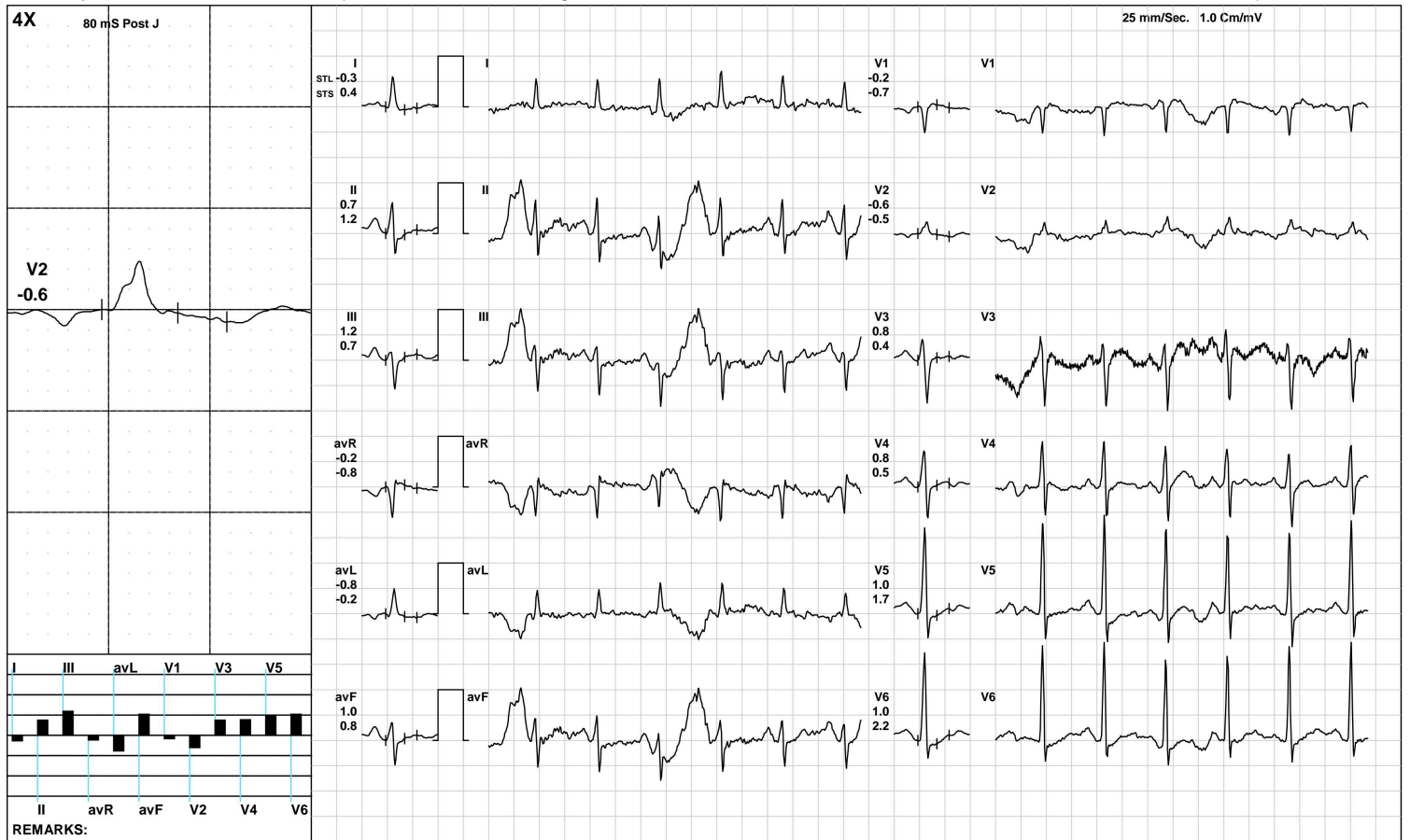
BRUCE/:Stage 1(3:00)



1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 121

Date: 13-May-2023 11:44:06 AM METS: 4.7/ 121 bpm 75% 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

Aarogam Diagnostics

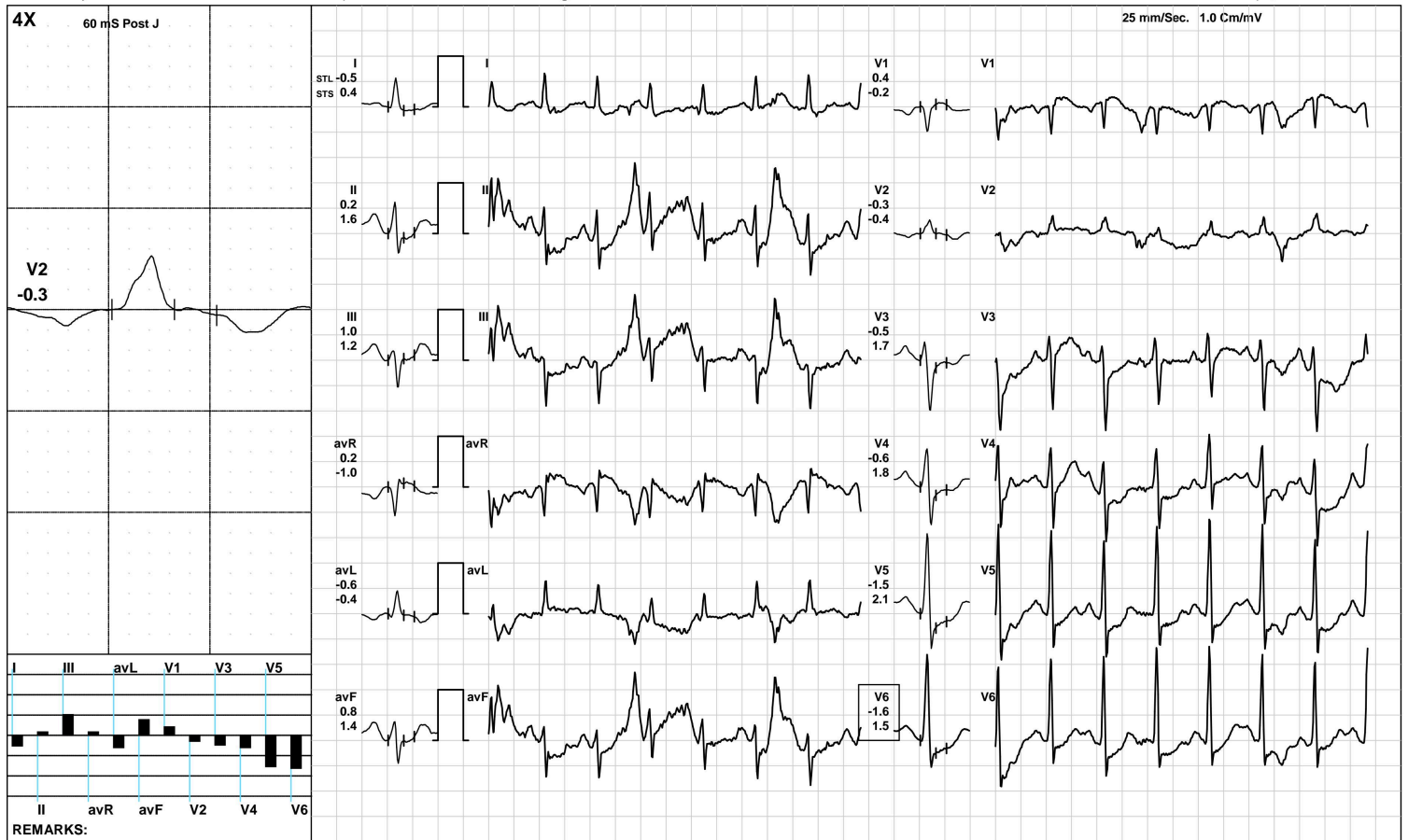
BRUCE/Stage 2(3:00)



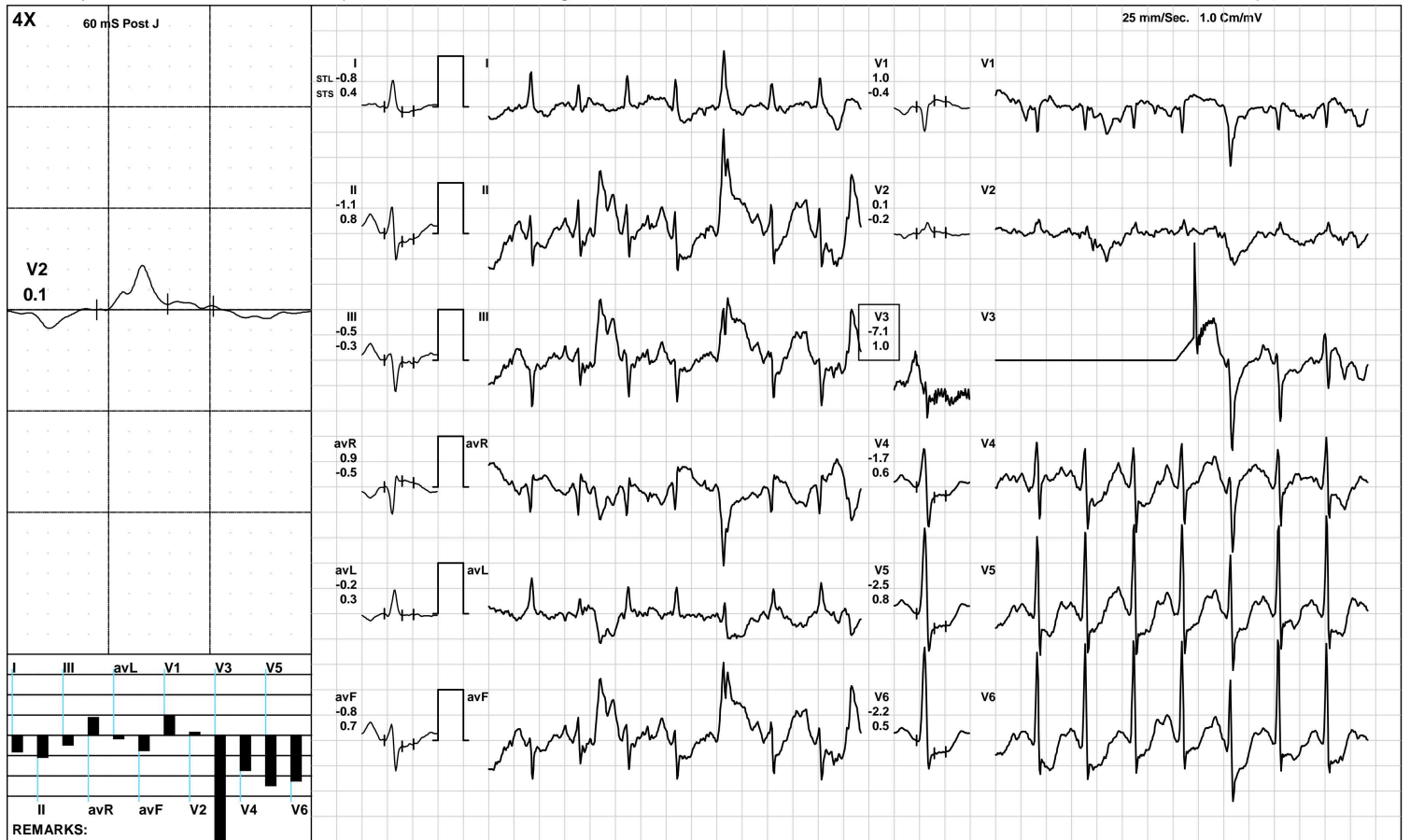
1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 140

Date: 13-May-2023 11:44:06 AM METS: 7.1/ 140 bpm 86% 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



Aarogam Diagnostics

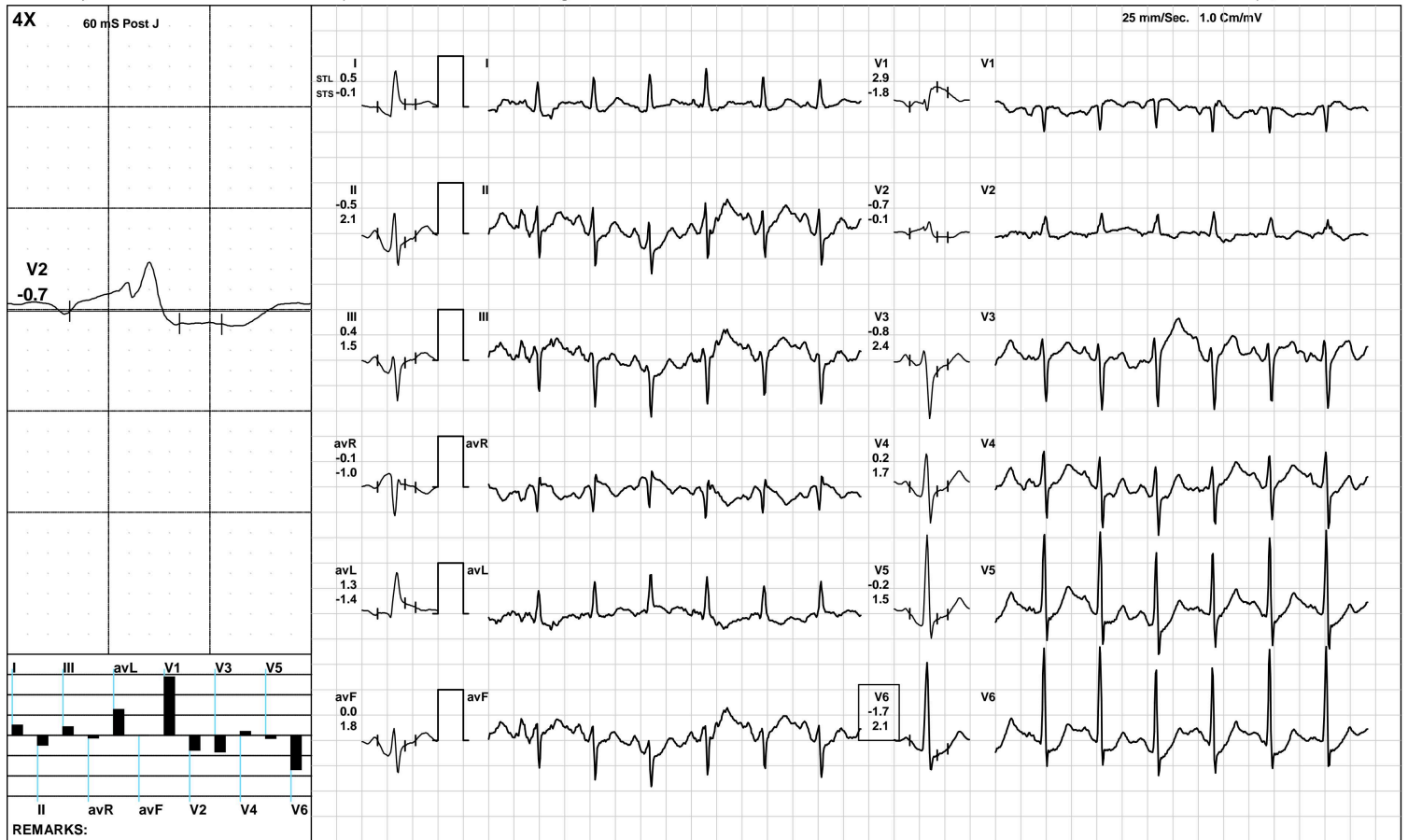
Recovery(1:00)



1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 133

Date: 13-May-2023 11:44:06 AM METS: 1.2/ 133 bpm 82% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:46 1.1 mph, 0.0%



Aarogam Diagnostics

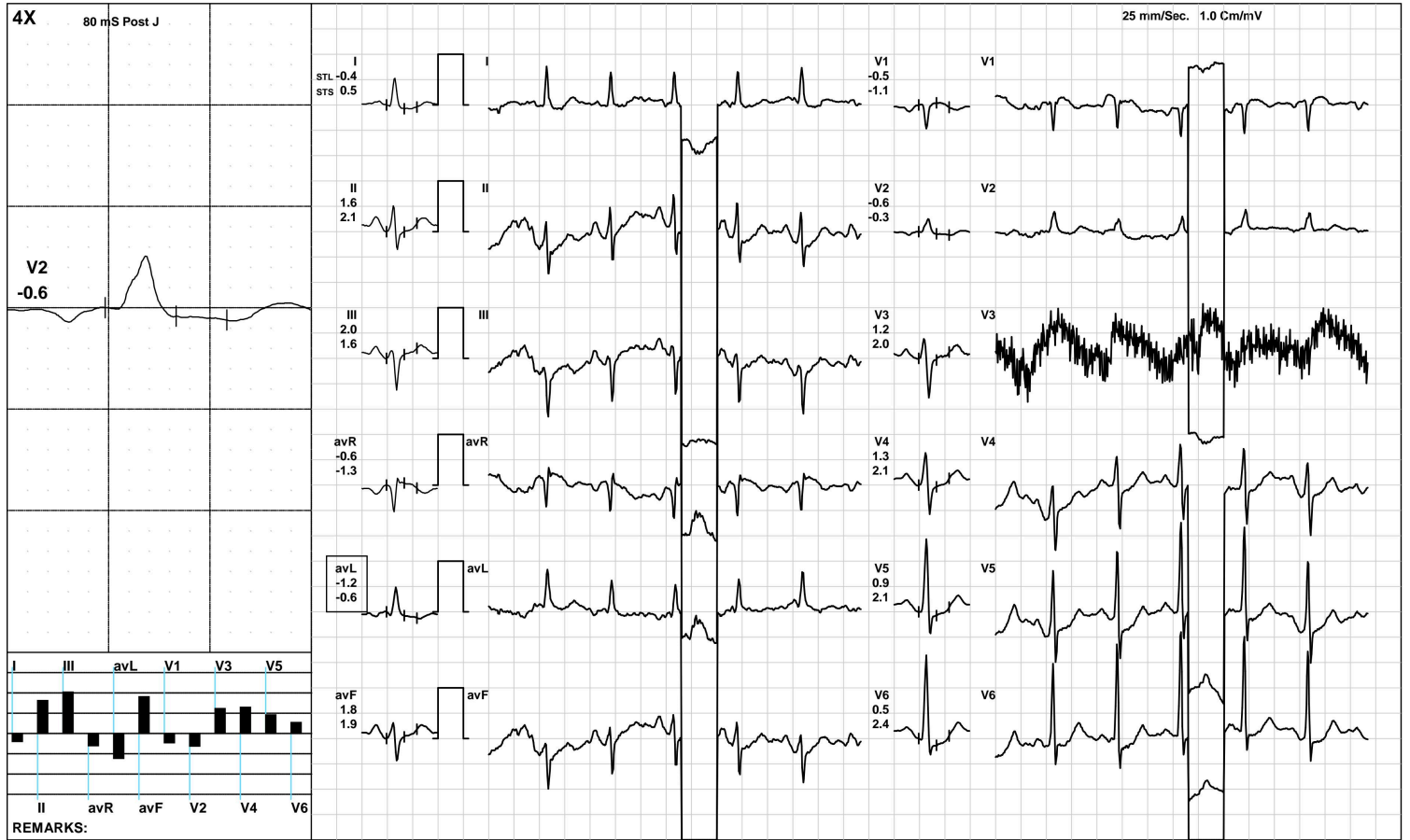
Recovery(2:00)



1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 82

Date: 13-May-2023 11:44:06 AM METS: 1.0/ 82 bpm 50% of THR BP: 125/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:46 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

Aarogam Diagnostics

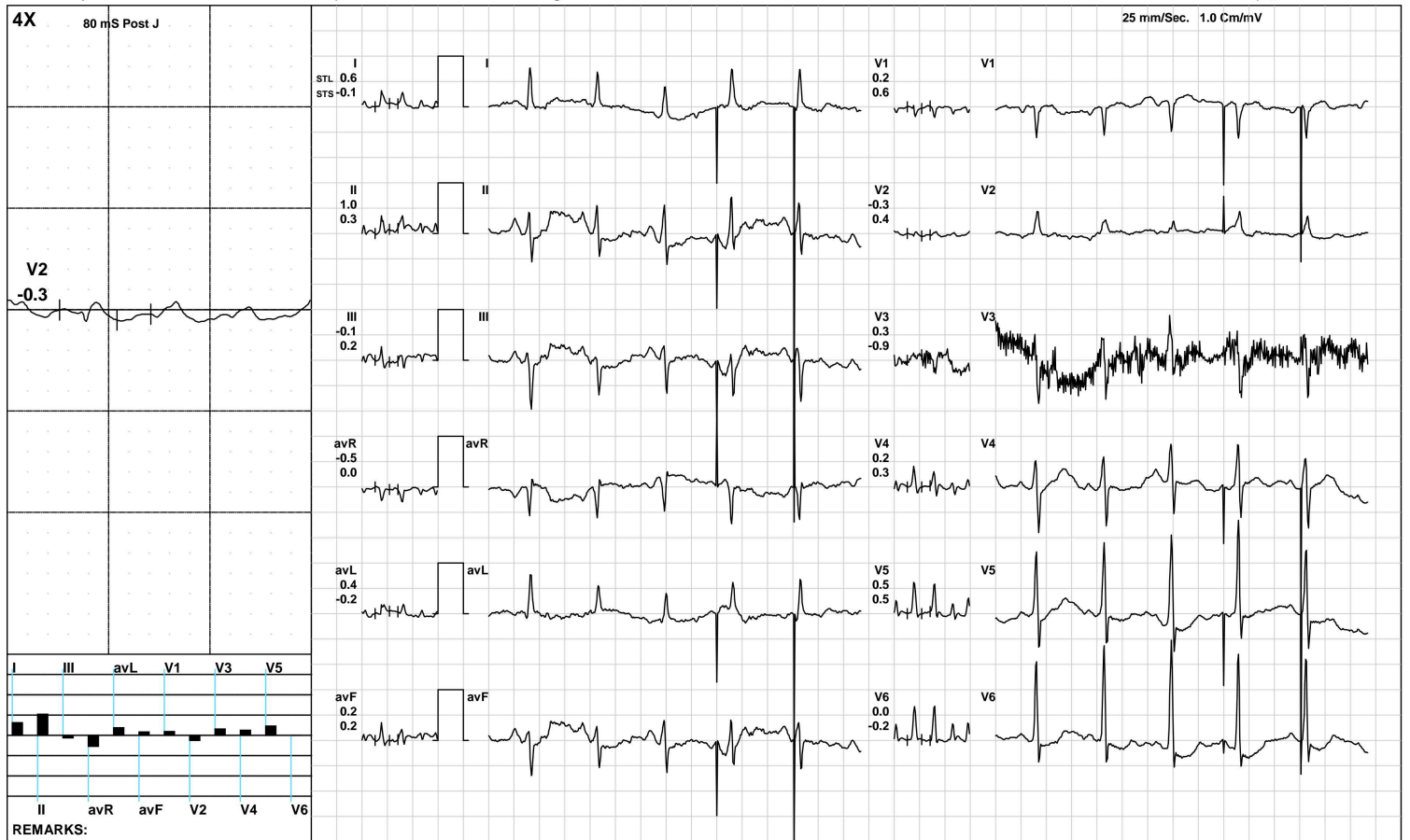
Recovery(3:33)



1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 83

Date: 13-May-2023 11:44:06 AM METS: 1.0/ 83 bpm 51% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:46 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

Aarogyam Diagnostics

ST Measurements



1989 / ARUN KUMAR / 59 Yrs / M / 165 Cms / 69 Kg / HR : 81

Date: 13-May-2023 11:44:06 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	0.4	2.0	1.5	-1.1	-0.6	1.7	-0.5	-0.1	2.4	2.6	2.3	1.6	0.3	1.7	1.3	-1.0	-0.5	1.5	-0.6	-0.2	2.0	2.2	2.1	1.6	
80 @mS Standing	0.3	2.0	1.6	-1.1	-0.6	1.8	-0.5	0.0	2.5	2.7	2.4	1.6	0.4	1.7	1.4	-1.0	-0.5	1.5	-0.6	-0.1	2.0	2.3	2.2	1.5	
HV	0.4	2.0	1.6	-1.1	-0.6	1.8	-0.5	-0.1	2.3	2.6	2.3	1.6	0.5	1.8	1.3	-1.1	-0.4	1.5	-0.7	-0.1	2.0	2.3	2.3	1.7	
Warm Up	0.3	1.8	1.4	-1.0	-0.5	1.5	-0.4	0.0	2.2	2.4	2.2	1.5	0.4	1.7	1.3	-1.0	-0.5	1.5	-0.6	0.0	1.9	2.2	2.0	1.6	
ExStart	0.4	1.9	1.5	-1.1	-0.6	1.7	-0.5	0.0	2.3	2.6	2.4	1.7	0.3	1.6	1.3	-1.0	-0.5	1.4	-0.6	-0.1	2.0	2.2	2.1	1.5	
Stage 1	-0.2	1.2	1.7	-0.5	-1.0	1.6	-0.2	-0.3	1.6	0.8	1.1	0.9	0.5	1.6	1.1	-1.1	-0.3	1.3	-0.9	-0.4	0.5	0.5	1.5	2.0	
Stage 2	-0.5	-0.1	0.7	0.3	-0.6	0.1	0.5	-0.3	0.1	-0.8	-1.0	-1.1	0.5	0.2	0.0	-0.3	0.4	0.0	-0.3	0.2	0.6	1.3	2.1	2.4	
PeakEx	-0.8	-1.1	-0.5	0.9	-0.2	-0.8	1.0	0.1	-7.1	-1.7	-2.5	-2.2	0.4	0.8	-0.3	-0.5	0.3	0.7	-0.4	-0.2	1.0	0.6	0.8	0.5	
Recovery	0.5	-0.5	0.4	-0.1	1.3	0.0	2.9	-0.7	-0.8	0.2	-0.2	-1.7	-0.1	2.1	1.5	-1.0	-1.4	1.8	-1.8	-0.1	2.4	1.7	1.5	2.1	
Recovery	-0.4	1.6	2.0	-0.6	-1.2	1.8	-0.5	-0.6	1.2	1.3	0.9	0.5	0.5	2.1	1.6	-1.3	-0.6	1.9	-1.1	-0.3	2.0	2.1	2.1	2.4	
Recovery	0.6	1.0	-0.1	-0.5	0.4	0.2	0.2	-0.3	0.3	0.2	0.5	0.0	-0.1	0.3	0.2	0.0	-0.2	0.2	0.6	0.4	-0.9	0.3	0.5	-0.2	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6		
STI(μVs)														
Supine			3.3	14.2	10.2	-8.7	-3.6	12.0	-4.0	-0.2	17.2	19.0	17.0	12.0
Standing			2.9	14.1	10.2	-8.3	-3.8	12.0	-3.8	0.1	17.4	19.0	16.9	12.0
HV			2.5	12.3	9.4	-7.2	-3.4	10.9	-3.2	-0.3	14.4	15.8	14.1	10.2
Warm Up			2.6	11.4	8.4	-7.0	-3.0	9.6	-2.9	0.0	14.3	15.8	14.6	10.2
ExStart			3.1	13.7	10.6	-8.4	-3.7	12.2	-3.7	0.0	16.0	17.9	16.6	12.2
Stage 1			-2.5	5.9	11.4	-1.7	-7.3	10.5	0.4	-1.3	11.5	5.5	5.1	2.9
Stage 2			-3.6	-1.4	4.0	2.5	-4.0	0.5	3.6	-1.9	0.2	-6.1	-8.9	-10.1
PeakEx			-5.6	-8.0	-2.6	6.3	-1.5	-5.7	6.9	1.4	-39.0	-9.7	-14.8	-13.9
Recovery			2.9	-6.1	0.4	0.9	9.6	-2.7	20.5	-4.2	-7.7	-2.2	-3.4	-13.5
Recovery			-4.4	7.3	11.9	-1.4	-8.2	9.6	-0.2	-4.2	5.7	4.7	2.0	-2.0
Recovery			8.3	10.6	-1.3	-7.6	4.8	2.9	-2.8	-1.6	-0.3	3.1	8.7	8.7



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	84	142	82	-26	284	246	1398	-1112	314	16	avL	-55	0.00	0	0
01:00	114	138	84	-12	360	293	1670	-1144	405	-3	avL	-59	0.00	0	0
01:30	112	118	78	-13	484	334	1757	-997	208	3	avL	-48	0.00	0	0
02:00	114	174	78	-24	452	345	1701	-962	239	-13	avL	-81	0.00	0	0
02:30	118	164	82	-15	343	309	1773	-943	205	48	avL	-46	0.00	0	0
03:00	118	130	112	-6	303	344	1753	-881	204	-36	avL	-102	0.00	0	0
03:30	119	114	64	-24	435	290	1779	-914	185	-46	avL	-77	0.00	0	0
04:00	127	126	80	-12	381	319	1757	-908	164	-154	V6	-81	0.00	0	0
04:30	131	152	74	-7	272	376	1745	-795	233	-28	avL	-78	0.00	0	0
05:00	137	128	76	-21	376	400	1801	-894	-363	-258	V3	-246	0.00	0	0
05:30	138	140	80	-25	281	656	1688	-840	599	-231	V6	-157	0.00	0	0
06:00	142	126	82	-34	400	-477	1774	-766	268	-225	V6	-134	0.00	0	0
06:30	142	128	62	-23	154	-477	1715	-967	497	-338	V6	-196	0.00	0	0
07:00	127	150	60	183	144	606	1694	-1075	-960	-420	II	-507	0.00	0	0
07:30	149	112	78	-25	194	653	1868	-1030	-955	-425	V4	-417	0.00	0	0
08:00	152	106	68	-47	193	606	1894	-840	-569	-355	V6	-275	0.00	0	0
08:30	155	112	66	-36	186	541	1794	-1047	-569	-391	V6	-354	0.00	0	0
09:00	145	110	68	-44	175	300	1640	-999	-364	-391	V6	-354	0.00	0	0
09:30	131	112	66	-47	443	-384	1599	-991	341	-295	V5	-194	0.00	0	0
10:00	123	110	64	-33	440	358	1770	-950	339	51	avL	-123	0.00	0	0
10:30	82	110	64	-21	440	428	1655	-650	852	-333	V6	-126	0.00	0	0
11:00	81	302	52	-21	289	428	1655	-650	852	-333	V5	-126	0.00	0	0
11:30	82	302	52	-7	292	-5096	1655	-4881	-5435	141	V5	-191	0.00	0	0



Name :- Mr. Arun Kumar
Refd by :- Corp.

Age/Sex:56Yrs/M
Date :-13/05/23

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Normal in size(13.2cm) 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(11.6cm)with normal echotexture. No focal lesion is seen. No evidence of varices is noticed.
- Kidneys** :- Right kidney are normal in shape, size & position. Left kidney normal in size and position, **A tiny calculus of measuring size approx 4.4 mm seen in mid pole. No Hydronephrosis. C.M.D intact.**
Right Kidney measures 9.5 cm and Left Kidney measures 9.5 cm.
- Ureters** :- Ureters are not dilated.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
Pre void- 120 cc Post void -Nil.
- Prostate** :- **Enlarged in size (30 cc)& echotexture.**
- Others** :- No ascites or abdominal adenopathy is seen.
No free subphrenic / basal pleural space collection is seen.

IMPRESSION:-

*Left renal tiny calculus.
Prostatomegaly.
Otherwise normal scan.*

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



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

Date	13/05/2023	Srl No.	13	Patient Id	2305130013
Name	Mr. ARUN KUMAR	Age	59 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	6.4	%	

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



ISO 9001 : 2015

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9264278360, 9065875700, 8789391403

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Date	13/05/2023	Srl No. 13	Patient Id 2305130013
Name	Mr. ARUN KUMAR	Age 59 Yrs.	Sex M
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	12.9	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	6,200	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	63	%	40 - 75
LYMPHOCYTE	31	%	20 - 45
EOSINOPHIL	02	%	01 - 06
MONOCYTE	04	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN's METHOD)	11	mm/1st hr.	0 - 15
R B C COUNT	4.30	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	39.9	%	40 - 54
M C V	92.79	fl.	80 - 100
M C H	30	Picogram	27.0 - 31.0
M C H C	32.3	gm/dl	33 - 37
PLATELET COUNT	2.34	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"O"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	140.7	mg/dl	70 - 110
SERUM CREATININE	1.02	mg%	0.7 - 1.4
BLOOD UREA	23.2	mg /dl	15.0 - 45.0
SERUM URIC ACID	6.6	mg%	3.4 - 7.0

LIVER FUNCTION TEST (LFT)



Date	13/05/2023	Srl No. 13	Patient Id 2305130013
Name	Mr. ARUN KUMAR	Age 59 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	6.5	gm/dl	6.6 - 8.3
ALBUMIN	3.2	gm/dl	3.4 - 5.2
GLOBULIN	3.3	gm/dl	2.3 - 3.5
A/G RATIO	0.97		
SGOT	30.2	IU/L	5 - 40
SGPT	35.4	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	153.2	U/L	40.0 - 130.0
GAMMA GT	28.7	IU/L	8.0 - 71.0

LFT INTERPRET

LIPID PROFILE

TRIGLYCERIDES	87.5	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	226.9	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	51.6	mg/dL	35.1 - 88.0
V L D L	17.5	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	157.8	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	4.397		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	3.058		0.00 - 3.55
THYROID PROFILE			
T3	0.89	ng/ml	0.60 - 1.81



ISO 9001 : 2015

AAROGYAM DIAGNOSTICS

(A UNIT OF CULPAM HEALTH CARE PVT. LTD.)

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www.aarogyamdiagnostics.com

Date	13/05/2023	Srl No. 13	Patient Id 2305130013
Name	Mr. ARUN KUMAR	Age 59 Yrs.	Sex M
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
T4 Chemiluminescence	6.473	ug/dl	4.5 - 10.9
TSH Chemiluminescence	2.681	uIU/ml	

REFERENCE RANGE

PAEDIATRIC AGE GROUP

0-3 DAYS	1-20	ulu/ ml
3-30 DAYS	0.5 - 6.5	ulu/ml
1 MONTH -5 MONTHS	0.5 - 6.0	ulu/ml
6 MONTHS- 18 YEARS	0.5 - 4.5	ulu/ml

ADULTS 0.39 - 6.16 ulu/ml

Note: TSH levels are subject to circadian variation, rising several hours before the onset of sleep, reaching peak levels between 11 pm to 6 am. Nadir concentrations are observed during the afternoon. Diurnal variation in TSH level approximates $\pm 50\%$, hence time of the day has influence on the measured serum TSH concentration.

QUANTITY	20	ml.
COLOUR	PALE YELLOW	
TRANSPARENCY	CLEAR	
SPECIFIC GRAVITY	1.030	
PH	6.5	
ALBUMIN	NIL	
SUGAR	NIL	



Date	13/05/2023	Srl No.	13	Patient Id	2305130013
Name	Mr. ARUN KUMAR	Age	59 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
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MICROSCOPIC EXAMINATION

PUS CELLS	1-2	/HPF	
RBC'S	NIL	/HPF	
CASTS	NIL		
CRYSTALS	NIL		
EPITHELIAL CELLS	1-3	/HPF	
BACTERIA	NIL		
OTHERS	NIL		

Assay performed on enhanced chemi luminescence 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.
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



Date	13/05/2023	Srl No. 13	Patient Id 2305130013
Name	Mr. ARUN KUMAR	Age 59 Yrs.	Sex M
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
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BIOCHEMISTRY

BLOOD SUGAR PP	179.8	mg/dl	80 - 160
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SEROLOGY

TOTAL PSA Chemiluminescence	0.42	ng/ml	
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INTERPRETATION : Expected Values :

99%	:	of Healthy males	0.0-4.0 ng/ml
80%	:	of Benign prostatic hypertrophy	0.0-4.0 ng/ml
81%	:	of Prostatic Carcinomas	Above 4.0 ng/ml

PSA is reliable tumour marker for already diagnosed prostatic carcinomas. It is uniquely associated only with prostatic tissue, and therefore is specific for it. Baseline levels measured prior to therapeutic intervention and followed later by serial periodical measurements will predict the outcome of therapy. It also helps in early discovery of recurrences, relapses and metastases.

RECOMMENDED TESTING INTERVALS :

First Determination	:	Preoperatively (Baseline)
Second Determination	:	2-4 days Postoperatively
Third Determination	:	Before discharge from hospital
Follow-up Determinations		
If levels are high/show rising trend	:	Monthly
If levels are normal	:	Every 3 monthly initially, later annually.

In general, tumor marker levels are directly proportional to the tumour mass and the stage of the cancer. However, it is the rate of change of the tumor marker level which is more important, rather than its absolute value.

A 50% change may be considered clinically significant. It must be emphasised that **PSA** may also be

