



कूट क्र. 172598
E.C.No.

नाम | Name **DURGESH KUMAR**

पद | Designation **BUSINESS ASSOCIATES**

धारक के हस्ताक्षर | Signature of Holder
Durgesh Kumar



17.08.2021
जारी करने की तारीख जारीकर्ता प्राधिकारी
Date of Issue Issuing Authority

20/03/1988

26-08-2023 11:06:39 AM

ID: 90

DURGESH KUMAR

Male 35Years

Diagnosis Information:

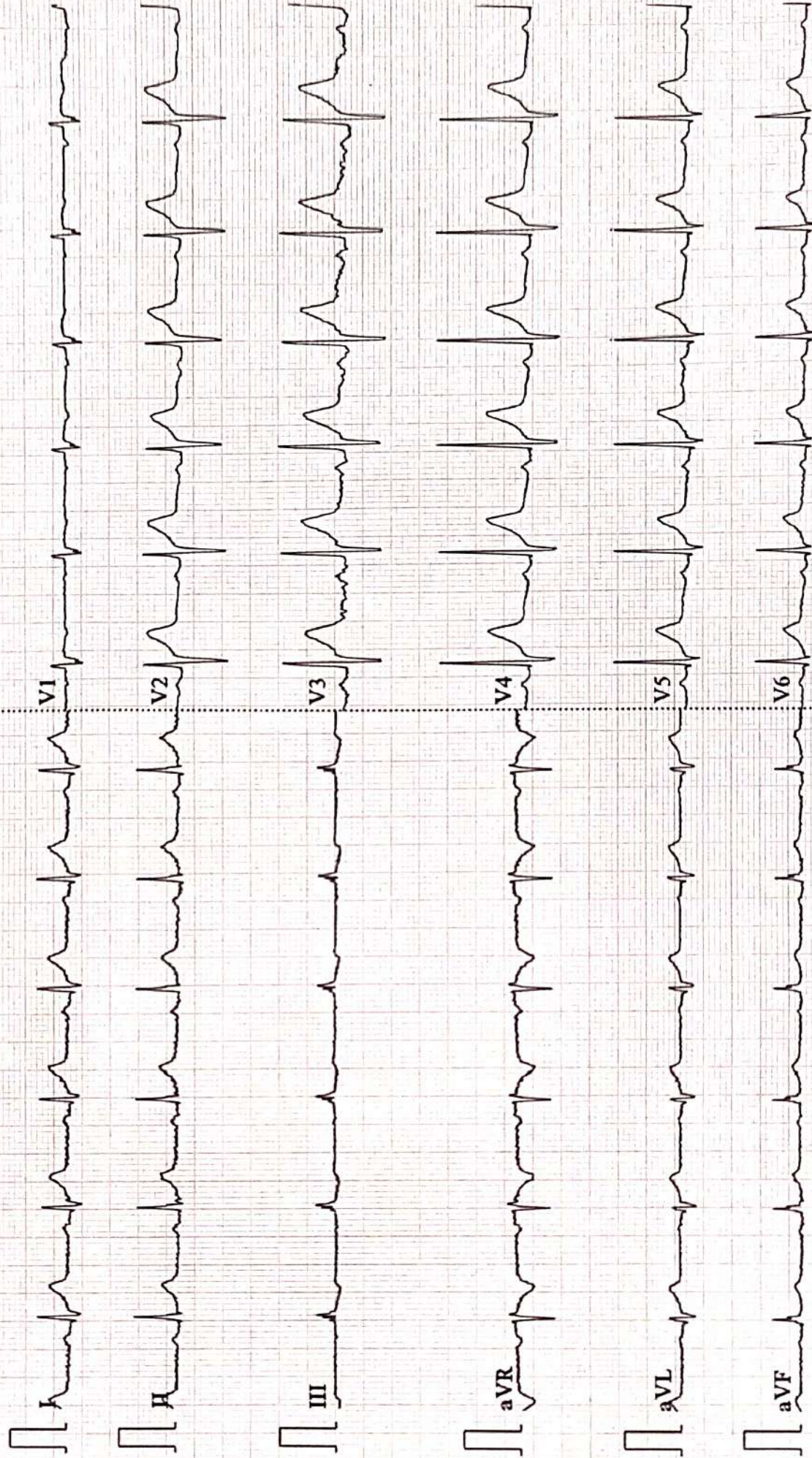
Sinus Rhythm

Normal ECG

HR : 77 bpm
 P : 90 ms
 PR : 163 ms
 QRS : 88 ms
 QT/QTc : 352/399 ms
 P/QRS/T : 16/61/20 °
 RV5/SV1 : 1.332/0.292 mV

Ref-Phys. :

Report Confirmed by:



AAROGYAM DIAGNOSTICS
PATNA

Report



(GEM212170906)(R)Kardic by Allengers

2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg Date: 26-Aug-2023 Technician : ARUN

Stage	Time	Duration	Belt Speed (mph)	Elevation	METs	Rate	% THR Achieved	BP	RPP	PVC	Comments
Supine	00:06	0:01	00.0	00.0	01.0	115	62 %	110/80	126	00	
Standing	00:43	0:01	00.0	00.0	01.0	107	58 %	110/80	117	00	
HV	00:51	0:01	00.0	00.0	01.0	106	57 %	110/80	116	00	
Warm Up	01:10	0:01	01.0	00.0	01.0	107	58 %	110/80	117	00	
ExStart	01:53	0:06	01.7	10.0	01.1	145	78 %	110/80	159	00	
BRUCE/ Stage 1	04:53	3:00	01.7	10.0	04.7	160	86 %	115/85	184	00	
BRUCE/ Stage 2	07:53	3:00	02.5	12.0	07.1	181	98 %	120/90	217	00	
PeakEx	09:35	1:42	03.4	14.0	08.9	191	103 %	125/95	238	00	
Recovery	10:34	1:00	01.1	00.0	01.2	172	93 %	120/90	206	00	
Recovery	11:34	2:00	01.1	00.0	01.0	156	84 %	115/85	179	00	
Recovery	13:15	3:40	01.1	00.0	01.0	143	77 %	110/80	157	00	

Findings :

Exercise Time : 07:43
Max HR Attained : 191 bpm 103% of Target 185
Max BP Attained : (Sys) 125/95
Max WorkLoad Attained : 8.9 Fair response to induced stress
Max ST Dep Lead & Value : II & -17.4 mm in Stage 1 mm
Test End Reasons : Fatigue

Report :

AAROGYAM DIAGNOSTICS

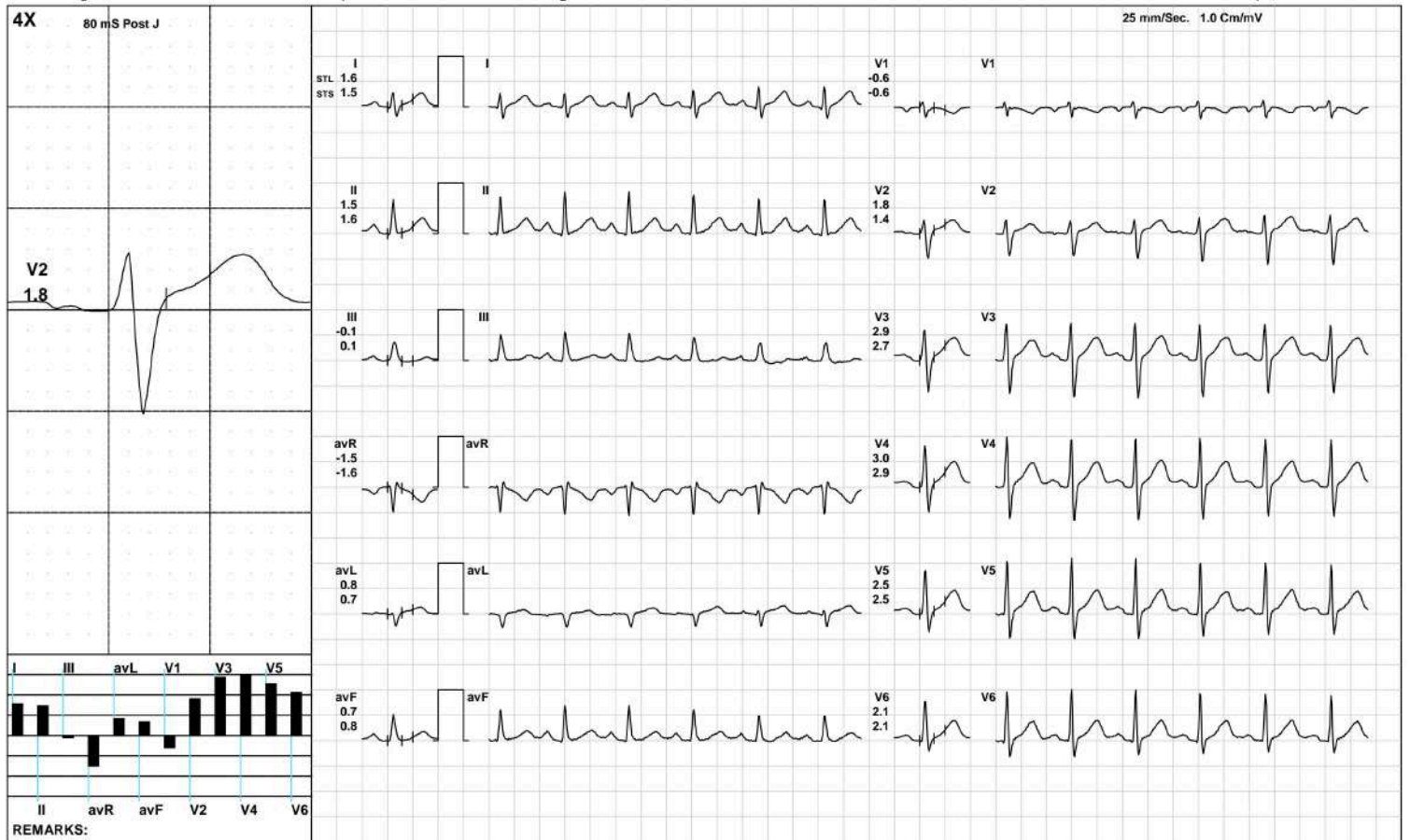
Supine



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 115

Date: 26-Aug-2023 11:33:22 AM METS: 1.0/ 115 bpm 62% of THR BP: 110/80 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

AAROGYAM DIAGNOSTICS

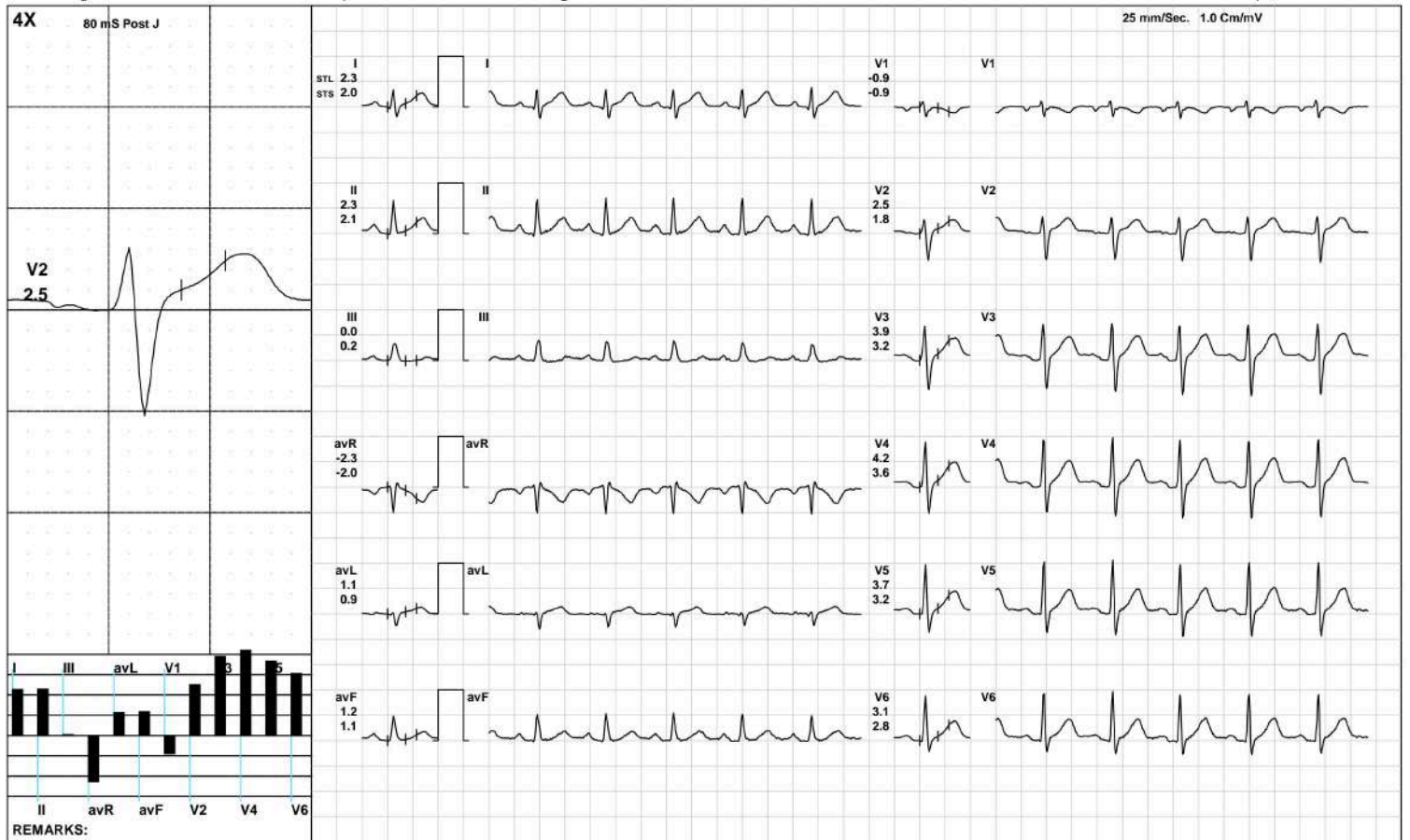
Standing



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 107

Date: 26-Aug-2023 11:33:22 AM METS: 1.0/ 107 bpm 57% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:43 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

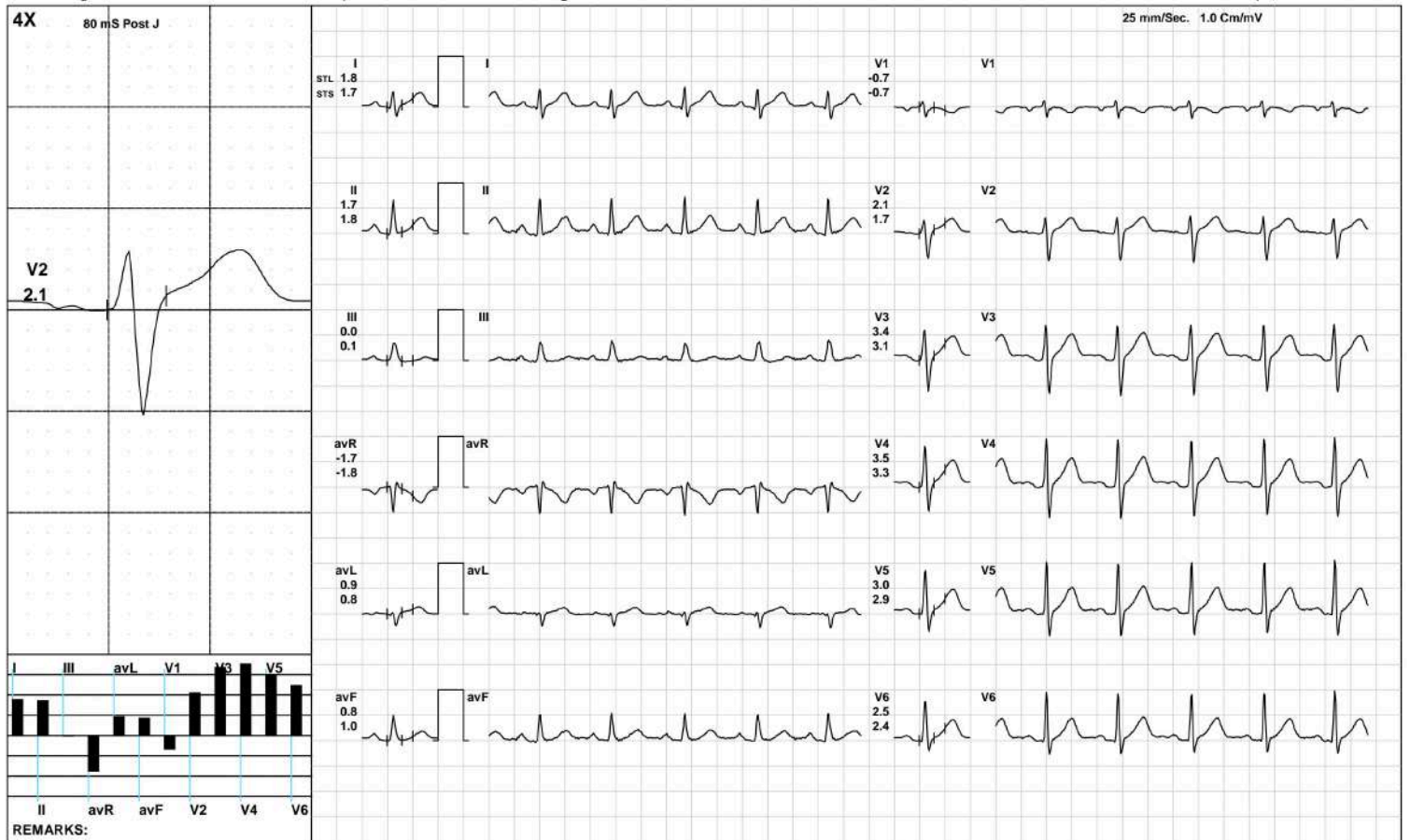
HV



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 106

Date: 26-Aug-2023 11:33:22 AM METS: 1.0/ 106 bpm 57% of THR BP: 110/80 mmHg Raw ECG/ BLC Or/ Notch Or/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:51 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

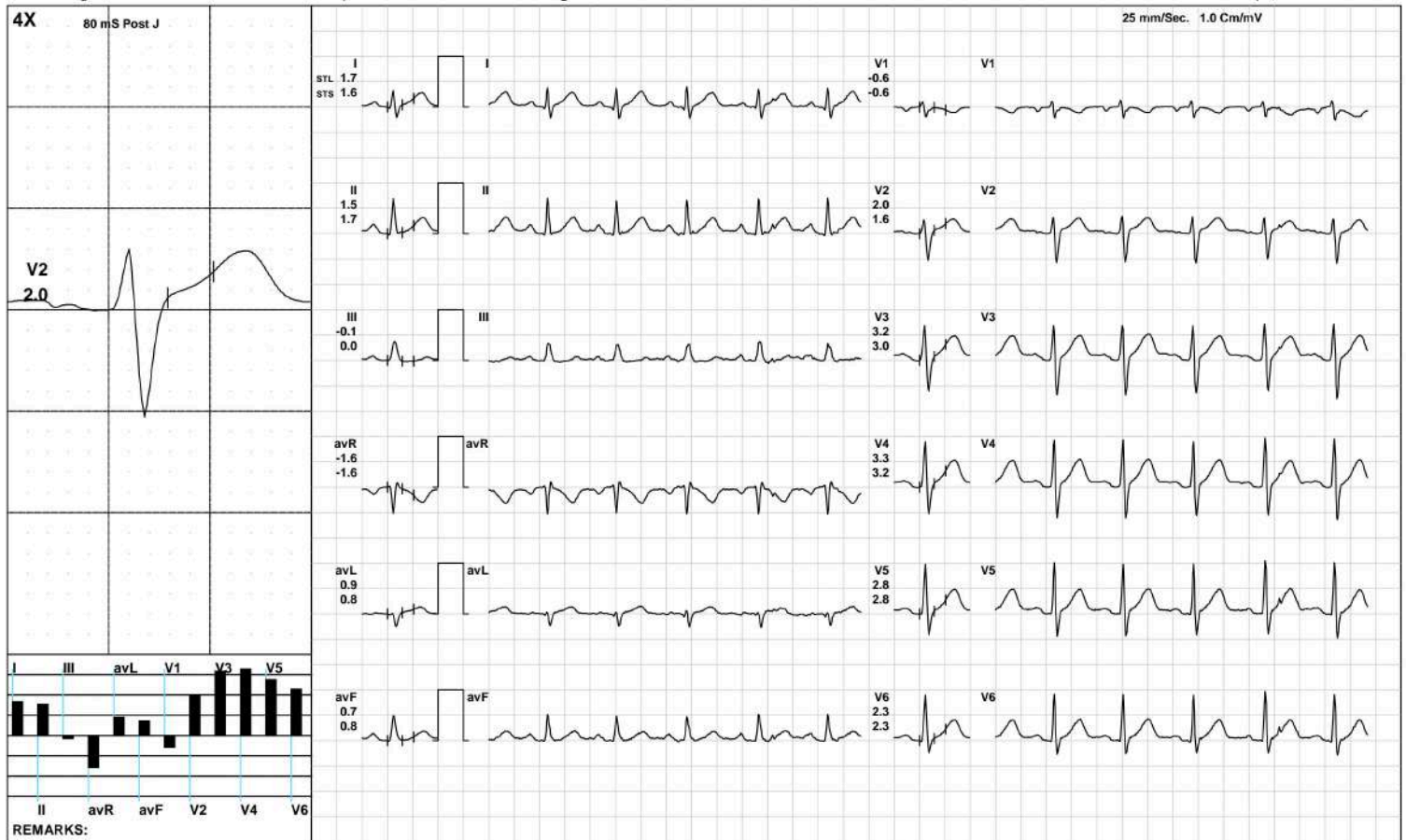
Warm Up



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 107

Date: 26-Aug-2023 11:33:22 AM METS: 1.0/ 107 bpm 57% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 01:10 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

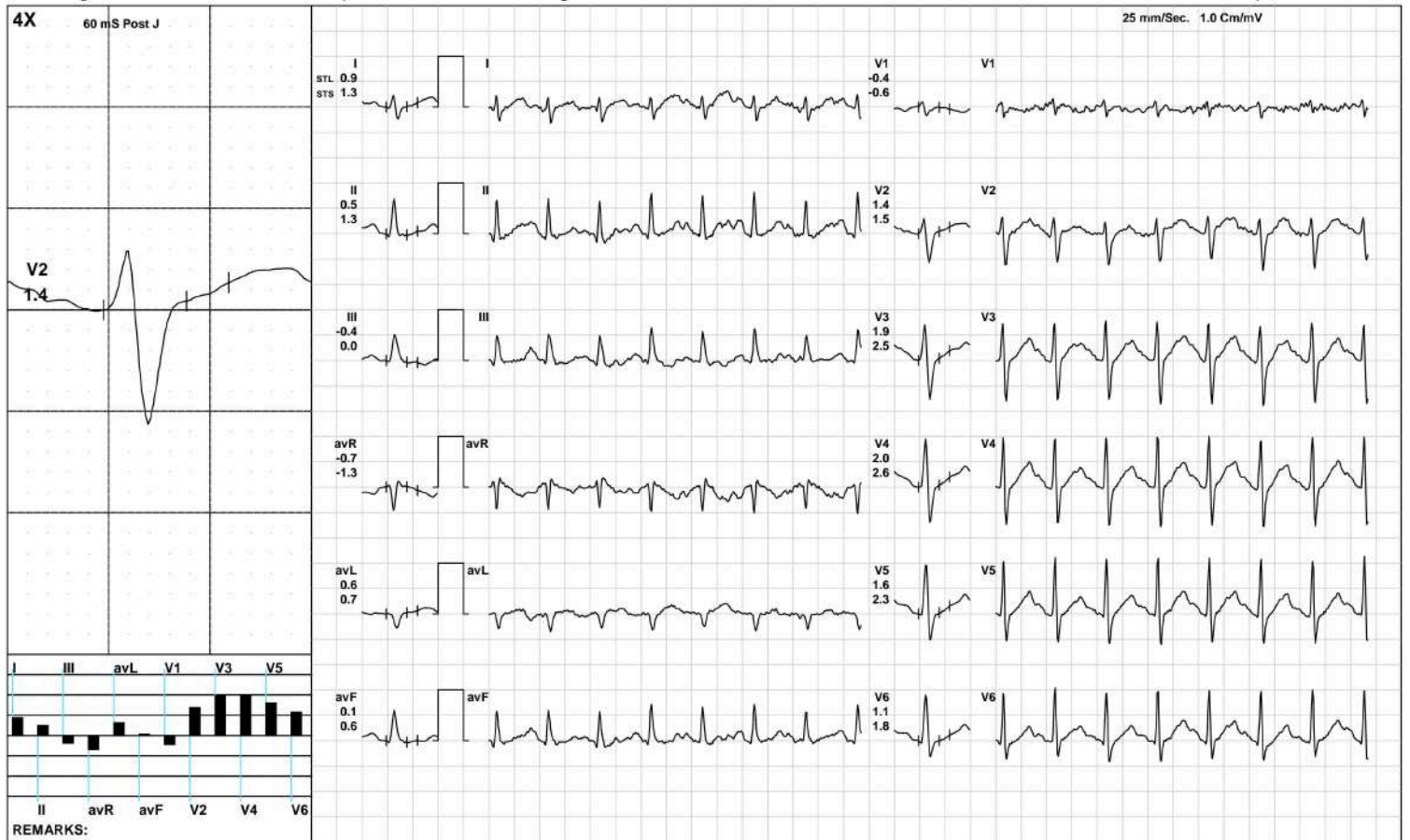
ExStart



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 145

Date: 26-Aug-2023 11:33:22 AM METS: 1.1/ 145 bpm 78% of THR BP: 110/80 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

AAROGYAM DIAGNOSTICS

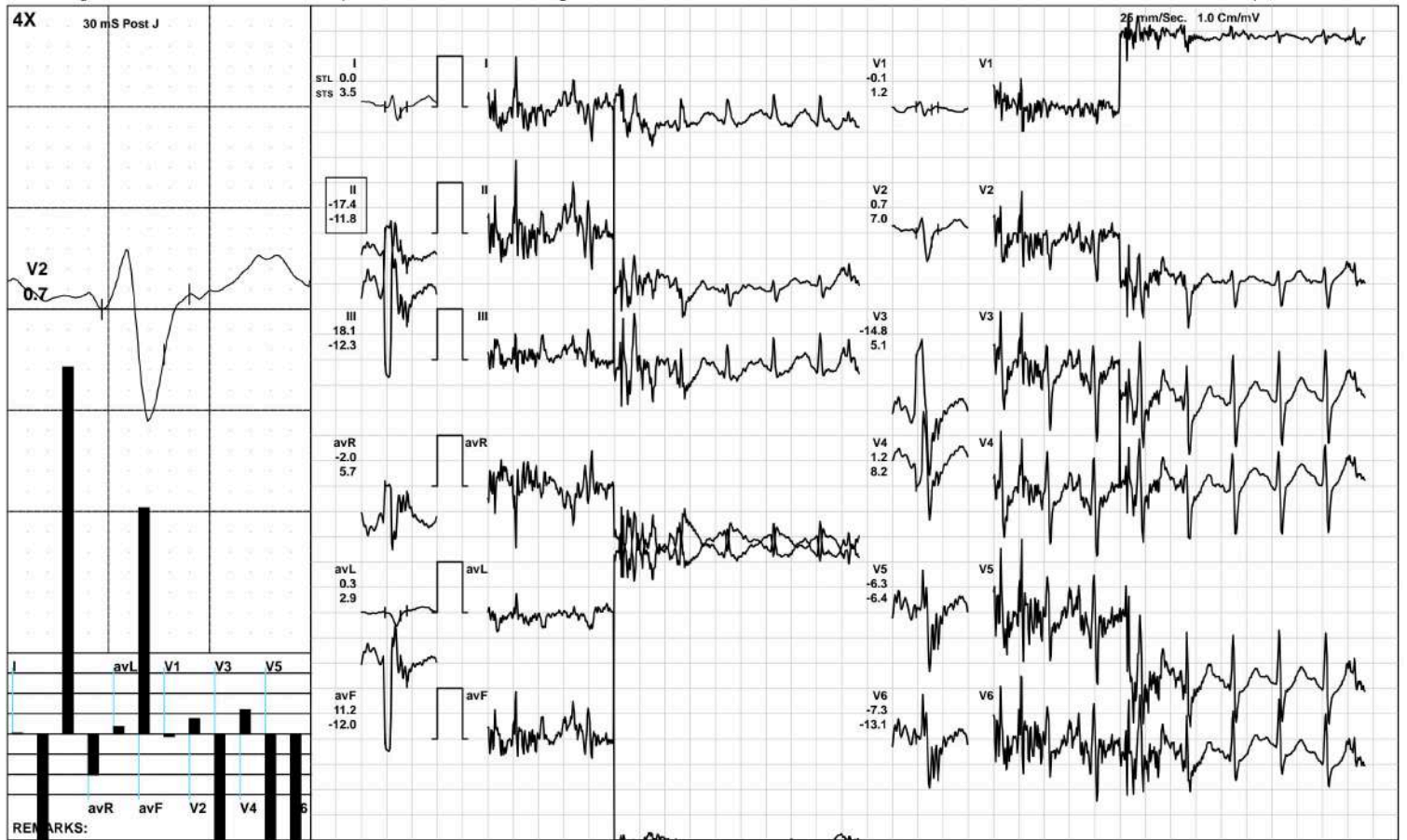
BRUCE/:Stage 1(3:00)



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 160

Date: 26-Aug-2023 11:33:22 AM METS: 4.7/ 160 bpm 86% of THR BP: 115/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 03:00 1.7 mph, 10.0%



REMARKS:

(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

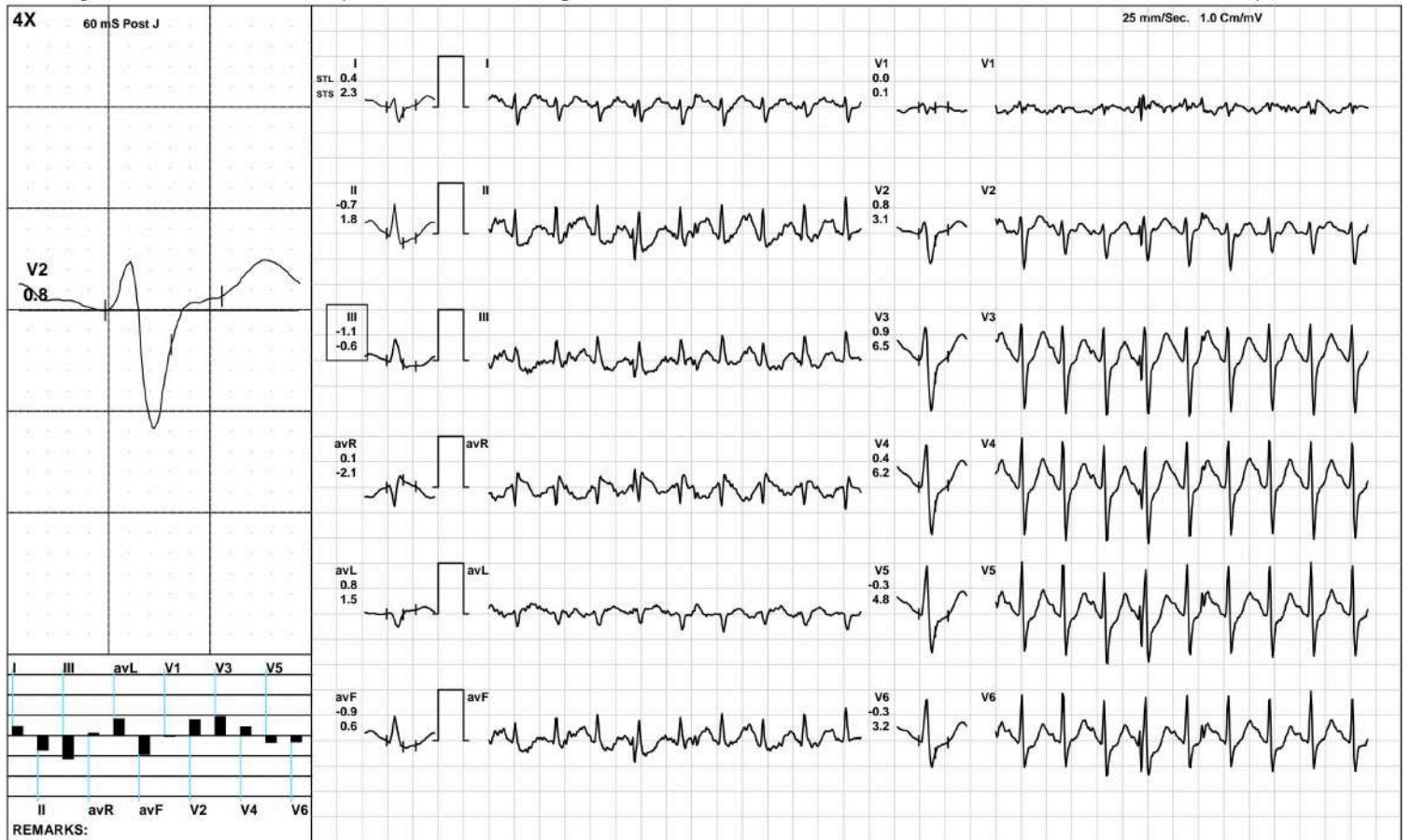
BRUCE/:Stage 2(3:00)



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 181

Date: 26-Aug-2023 11:33:22 AM METS: 7.1/ 181 bpm 97% of THR BP: 120/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 2.5 mph, 12.0%



AAROGYAM DIAGNOSTICS

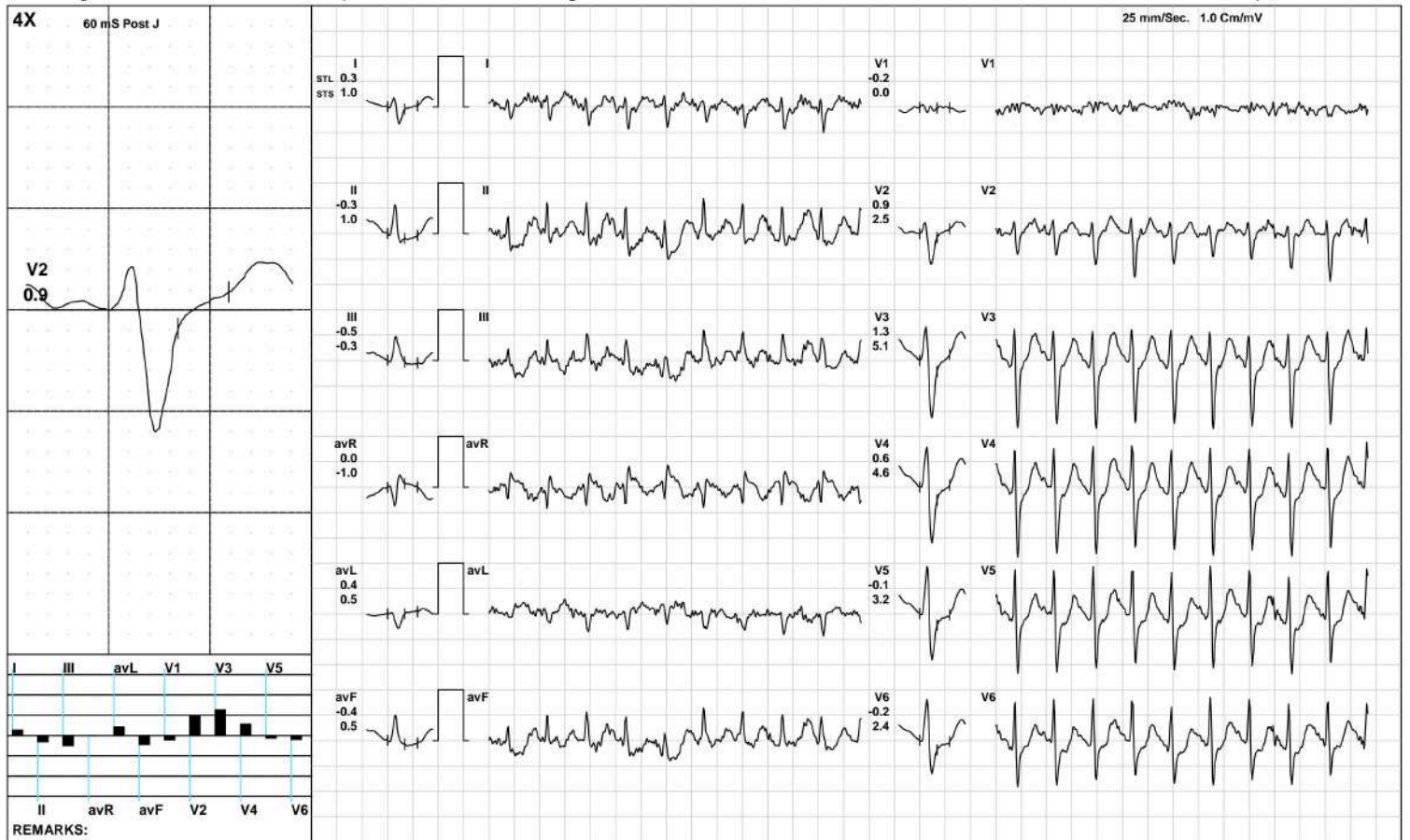
PeakEx



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 191

Date: 26-Aug-2023 11:33:22 AM METS: 8.9/ 191 bpm 103% of THR BP: 125/95 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:42 3.4 mph, 14.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

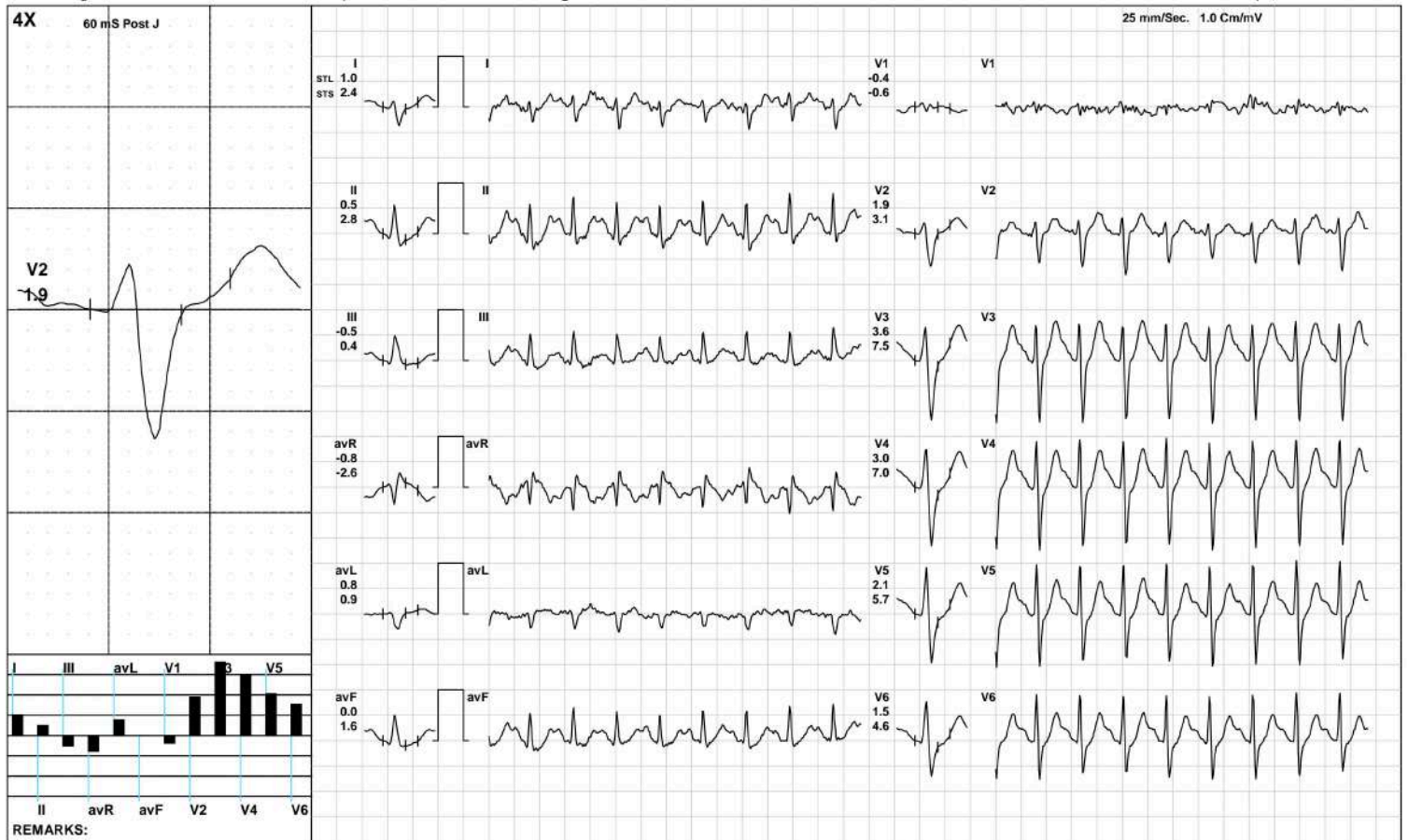
Recovery(1:00)



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 172

Date: 26-Aug-2023 11:33:22 AM METS: 1.2/ 172 bpm 92% of THR BP: 120/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:43 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

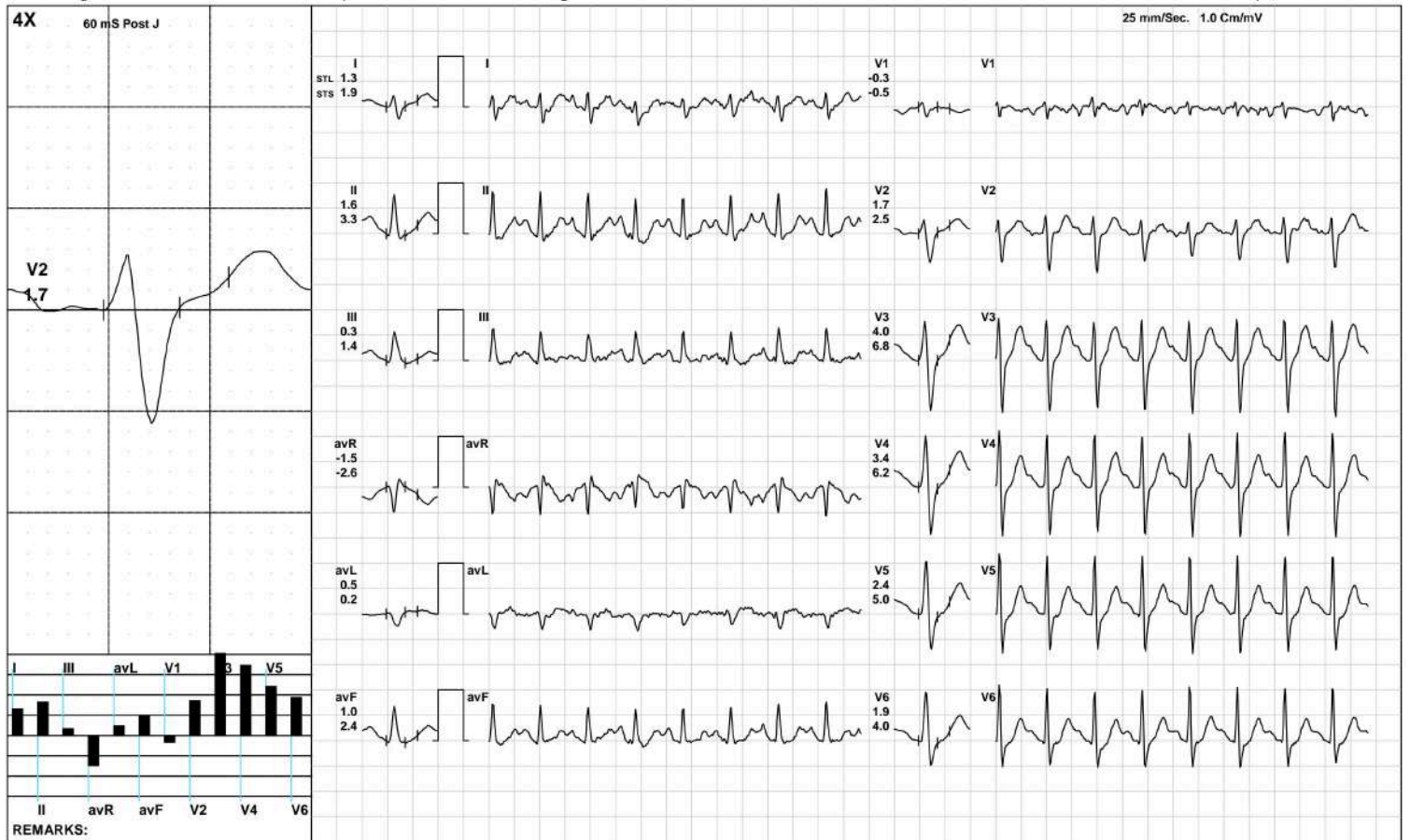
Recovery(2:00)



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 156

Date: 26-Aug-2023 11:33:22 AM METS: 1.0/ 156 bpm 84% of THR BP: 115/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:43 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

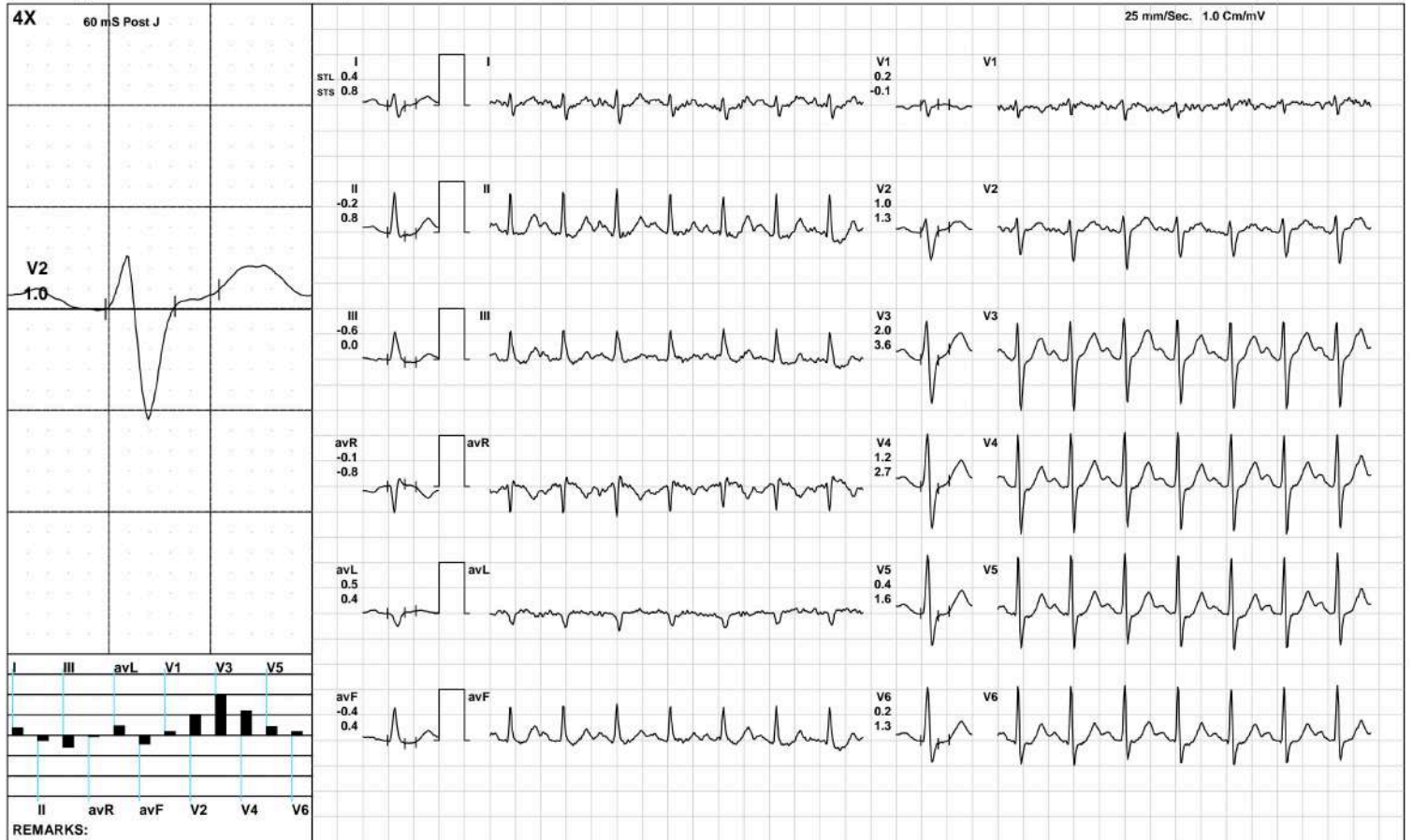
Recovery(3:40)



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 143

Date: 26-Aug-2023 11:33:22 AM METS: 1.0/ 143 bpm 77% of THR BP: 110/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 07:43 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

ST Measurements



2216 / MR. DURGESH KUMAR / 35 Yrs / M / 172 Cms / 88 Kg / HR : 111

Date: 26-Aug-2023 11:33:22 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	1.6	1.5	-0.1	-1.5	0.8	0.7	-0.6	1.8	2.9	3.0	2.5	2.1	1.5	1.6	0.1	-1.6	0.7	0.8	-0.6	1.4	2.7	2.9	2.5	2.1	
60 @mS Standing	2.3	2.3	0.0	-2.3	1.1	1.2	-0.9	2.5	3.9	4.2	3.7	3.1	2.0	2.1	0.2	-2.0	0.9	1.1	-0.9	1.8	3.2	3.6	3.2	2.8	
HV	2.3	2.3	0.0	-2.3	1.1	1.2	-0.9	2.5	3.9	4.2	3.7	3.1	2.0	2.1	0.2	-2.0	0.9	1.1	-0.9	1.8	3.2	3.6	3.2	2.8	
Warm Up	2.5	2.6	0.2	-2.6	1.1	1.4	-1.0	2.7	4.4	4.8	4.2	3.5	2.2	2.6	0.3	-2.4	0.9	1.4	-1.1	2.1	3.7	4.2	3.8	3.2	
ExStart	0.9	0.5	-0.4	-0.7	0.6	0.1	-0.4	1.4	1.9	2.0	1.6	1.1	1.3	1.3	0.0	-1.3	0.7	0.6	-0.6	1.5	2.5	2.6	2.3	1.8	
Stage 1	0.0-17.4	18.1	-2.0	0.3	11.2	-0.1	0.7-14.8	1.2	-6.3	-7.3			3.5-11.8-12.3	5.7	2.9-12.0	1.2	7.0	5.1	8.2	-6.4-13.1					
Stage 2	0.4	-0.7	-1.1	0.1	0.8	-0.9	0.0	0.8	0.9	0.4	-0.3	-0.3	2.3	1.8	-0.6	-2.1	1.5	0.6	0.1	3.1	6.5	6.2	4.8	3.2	
PeakEx	0.3	-0.3	-0.5	0.0	0.4	-0.4	-0.2	0.9	1.3	0.6	-0.1	-0.2	1.0	1.0	-0.3	-1.0	0.5	0.5	0.0	2.5	5.1	4.6	3.2	2.4	
Recovery	1.0	0.5	-0.5	-0.8	0.8	0.0	-0.4	1.9	3.6	3.0	2.1	1.5	2.4	2.8	0.4	-2.6	0.9	1.6	-0.6	3.1	7.5	7.0	5.7	4.6	
Recovery	1.3	1.6	0.3	-1.5	0.5	1.0	-0.3	1.7	4.0	3.4	2.4	1.9	1.9	3.3	1.4	-2.6	0.2	2.4	-0.5	2.5	6.8	6.2	5.0	4.0	
Recovery	0.4	-0.2	-0.6	-0.1	0.5	-0.4	0.2	1.0	2.0	1.2	0.4	0.2	0.8	0.8	0.0	-0.8	0.4	0.4	-0.1	1.3	3.6	2.7	1.6	1.3	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	
STI(μVs)													
Supine		10.2	9.0	-1.3	-9.5	5.7	3.8	-4.0	12.3	18.6	19.6	16.5	13.7
Standing		14.1	14.1	0.0	-14.1	7.1	7.0	-5.4	15.9	24.6	26.3	22.8	18.8
HV		14.1	14.1	0.0	-14.1	7.1	7.0	-5.4	15.9	24.6	26.3	22.8	18.8
Warm Up		15.3	16.1	0.9	-15.8	7.2	8.5	-5.8	16.9	28.2	30.2	26.5	21.9
ExStart		2.9	0.4	-2.4	-1.6	2.7	-1.0	-1.5	5.7	7.5	7.3	5.3	3.3
Stage 1		-1.4	-54.5	72.0	-12.2	0.1	47.7	-0.6	0.2	-51.7	3.5	-15.0	-16.0
Stage 2		-0.5	-7.5	-6.9	3.9	3.2	-7.2	0.2	1.3	-3.1	-5.3	-7.8	-6.1
PeakEx		-0.4	-5.4	-4.0	2.9	2.3	-5.1	-0.1	1.3	-2.0	-4.8	-6.0	-5.6
Recovery		0.3	-3.9	-4.2	1.8	2.3	-4.1	0.1	3.8	4.7	1.5	-1.3	-2.1
Recovery		4.3	2.9	-1.3	-3.7	2.8	0.9	-1.0	5.0	9.8	7.2	3.3	2.3
Recovery		0.8	-2.5	-3.3	0.8	2.0	-2.9	1.0	3.6	5.5	2.2	-0.6	-1.4



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 & P.J)	Min. Post JRR Var (μV)	VEB (%)	Missed Beats (Counts)
00:30	104	190	82	75	456	188	1009	-650	530	-10	V1	-49	0.00	0
01:00	107	156	84	75	468	190	981	-653	558	-16	V1	-61	0.00	0
01:30	141	132	68	90	392	274	1059	-763	480	80	III	-45	0.00	0
02:00	144	132	64	90	378	242	1067	-822	460	90	III	-38	0.00	0
02:30	150	116	68	90	365	211	1048	-810	455	1	III	-72	0.00	0
03:00	148	120	66	95	379	230	1029	-848	441	35	III	-55	0.00	0
03:30	152	128	68	94	360	233	1030	-858	450	9	III	-68	0.00	0
04:00	155	124	68	96	362	226	1028	-893	419	8	III	-81	0.00	0
04:30	158	116	72	263	424	484	1475	-980	-1346	-244	II	-358	0.00	0
05:00	167	116	72	101	424	254	1017	-926	406	10	III	-82	0.00	0
05:30	171	106	68	111	359	270	928	-975	426	-47	III	-119	0.00	0
06:00	175	106	66	114	365	299	937	-993	412	-48	III	-129	0.00	0
06:30	180	104	68	105	365	317	938	-1021	444	-321	V6	-150	0.00	0
07:00	181	90	68	105	383	334	940	-1015	489	-169	II	-116	0.00	0
07:30	181	102	66	113	354	348	938	-1050	500	-80	III	-133	0.00	0
08:00	183	100	66	107	351	325	938	-1053	490	-18	III	-112	0.00	0
08:30	187	98	68	109	362	331	920	-1107	476	-352	V6	-173	0.00	0
09:00	189	98	66	116	350	315	882	-1204	482	-86	III	-150	0.00	0
09:30	192	102	66	120	338	328	852	-1261	502	-406	V6	-153	0.00	0
10:00	181	100	68	114	331	377	896	-1182	633	-80	III	-104	0.00	0
10:30	170	112	68	109	324	354	995	-1167	746	-74	III	-51	0.00	0
11:00	162	120	66	102	314	307	1026	-1116	705	-47	V1	-34	0.00	0
11:30	154	124	68	90	324	294	1139	-1043	684	-6	III	-44	0.00	0
12:00	144	118	66	90	323	237	1151	-1004	626	33	III	-40	0.00	0
12:30	144	134	66	90	333	228	1169	-960	607	24	III	-51	0.00	0

AAROGYAM DIAGNOSTICS

PATNA

2216 / MR. DURGESH KUMAR / 35 Yrs / Male / 172 Cm / 88 Kg

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)	VEB (Counts)	Missed Beats (Counts)
13:00	141	140	68	90	336	205	1142	-909	535	22	III	-86	0.00	0



Name :- Durgesh Kumar
Refd by :- CORP.

Age/Sex:- 35Yrs/M
Date :-26/08/23

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Enlarged in size (16.1cm) 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** :- Evidence of multiple calculi (largest one measuring size 14.2mm) with posterior acoustic shadows seen within G.B. lumen. wall appears normal 2.4mm.
- 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 10.6cm and Left Kidney measures 10.4cm.
- Ureters** :- Ureters are not dilated.
- U. Bladder** :- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size(9.0cc) & normal 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.
Cholelithiasis without Cholecystitis.
Otherwise Normal scan.*

Dr. U. Kamar
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	26/08/2023	Srl No. 15	Patient Id 2308260015
Name	Mr. DURGESH KUMAR	Age 35 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



ISO 9001 : 2015

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Date	26/08/2023	Srl No. 15	Patient Id 2308260015
Name	Mr. DURGESH KUMAR	Age 35 Yrs.	Sex M
Ref. By	Dr.BOB		

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	13.4	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	6,200	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	60	%	40 - 75
LYMPHOCYTE	35	%	20 - 45
EOSINOPHIL	02	%	01 - 06
MONOCYTE	03	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN's METHOD)	12	mm/1st hr.	0 - 15
R B C COUNT	4.58	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	40.8	%	40 - 54
M C V	89.08	fl.	80 - 100
M C H	29.26	Picogram	27.0 - 31.0
M C H C	32.8	gm/dl	33 - 37
PLATELET COUNT	1.90	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"B"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	104.7	mg/dl	70 - 110
SERUM CREATININE	0.79	mg%	0.7 - 1.4
BLOOD UREA	19.8	mg /dl	15.0 - 45.0
SERUM URIC ACID	5.0	mg%	3.4 - 7.0

LIVER FUNCTION TEST (LFT)



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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	26/08/2023	Srl No. 15	Patient Id 2308260015
Name	Mr. DURGESH KUMAR	Age 35 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)	0.22	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.41	mg/dl	0.00 - 0.70
TOTAL PROTEIN	6.9	gm/dl	6.6 - 8.3
ALBUMIN	4.0	gm/dl	3.4 - 5.2
GLOBULIN	2.9	gm/dl	2.3 - 3.5
A/G RATIO	1.379		
SGOT	36.2	IU/L	5 - 40
SGPT	40.7	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	79.2	U/L	40.0 - 130.0
GAMMA GT	23.1	IU/L	8.0 - 71.0

LFT INTERPRET

LIPID PROFILE

TRIGLYCERIDES	97.8	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	165.0	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	54.7	mg/dL	35.1 - 88.0
V L D L	19.56	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	90.74	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.016		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.659		0.00 - 3.55
THYROID PROFILE			
QUANTITY	15	ml.	



Date	26/08/2023	Srl No. 15	Patient Id 2308260015
Name	Mr. DURGESH KUMAR	Age 35 Yrs.	Sex M
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.010		
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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Date	26/08/2023	Srl No.	15	Patient Id	2308260015
Name	Mr. DURGESH KUMAR	Age	35 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



MC-2024

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Regd. Of- ce : 5th Floor, Doctor House, Nr. Parimal Garden, Ahmedabad-380006 Gujarat
CIN: U85195GJ2009PLC057059



30804100548

TEST REPORT

Reg.No : 30804100548	Reg.Date : 27-Aug-2023 12:16	Collection : 27-Aug-2023 12:16
Name : DURGESH KUMAR		Received : 27-Aug-2023 12:16
Age : 35 Years	Sex : Male	Report : 27-Aug-2023 13:35
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 27-Aug-2023 13:55
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine)	1.36	ng/mL	0.6 - 1.52
T4 (Thyroxine) <small>CMIA</small>	9.64	µg/dL	5.5 - 11.0
TSH (ultra sensitive) <small>CMIA</small>	1.384	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 -----

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