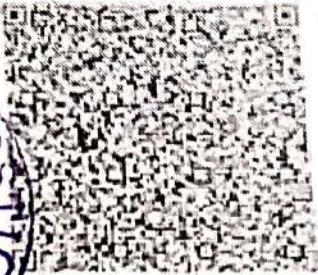


(11) BMS


भारत सरकार
Government of India



अतुल मुकेश
Atul Mukesh
जन्म तिथि / DOB: 29/11/1980
पुंस / Male



8641 1727 8284



मेरा आधार, मेरी पहचान

20
50

181
85

(12) BMS

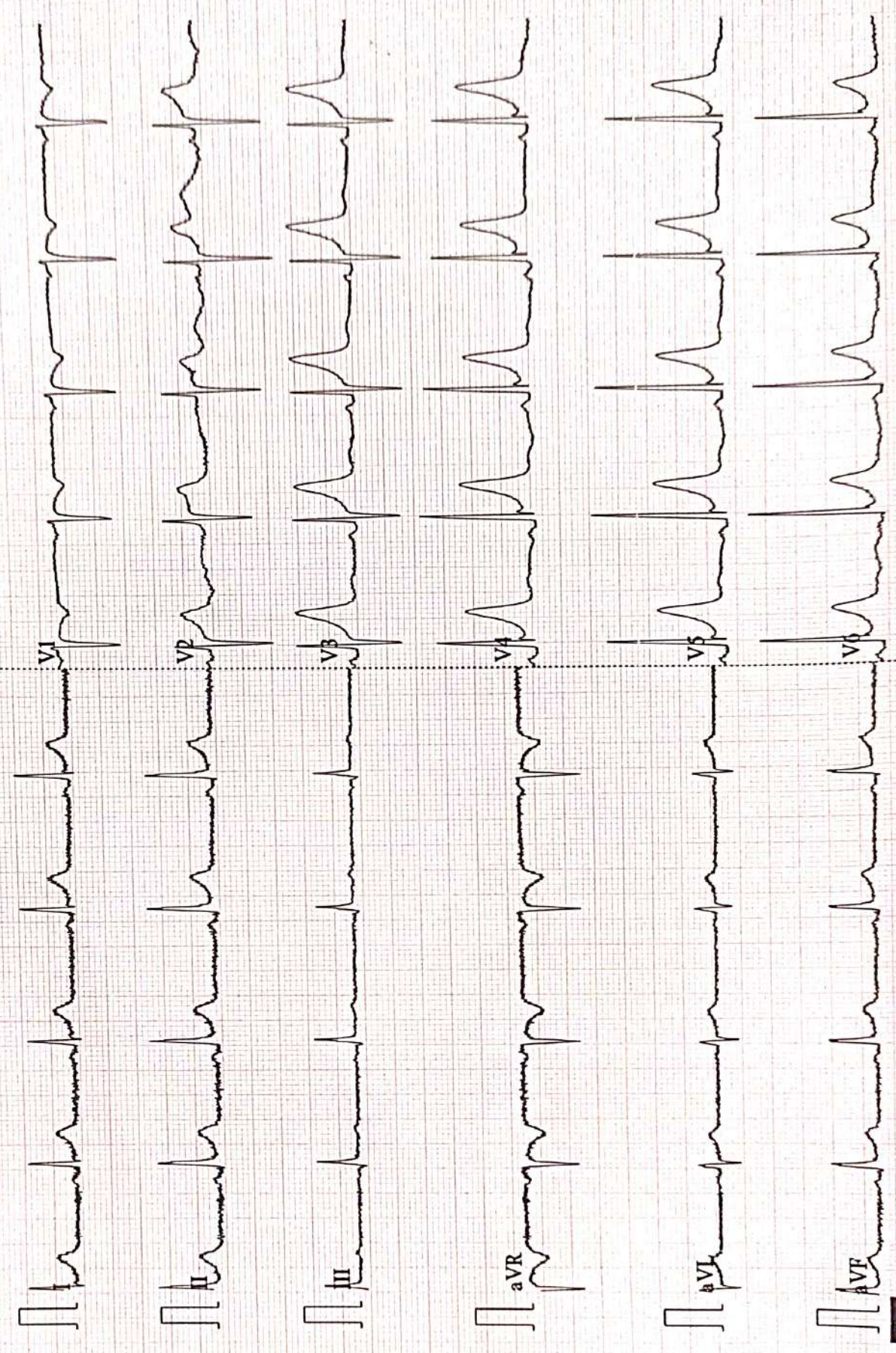
05-10-2024 11:17:40 AM

ID: 069
ATUL MUKESH
Male 43Years

Diagnosis Information:
Sinus Bradycardia
Largd PtfV1
ST Elevation(V4,V5,V6)

HR : 58 bpm
P : 94 ms
PR : 138 ms
QRS : 92 ms
QT/QTc : 399/394 ms
P/QRS/T : 52/54/40 °
RV5/SV1 : 2.091/1.087 mV

DR. PAMAM
Ref: P. V. S. G. MD
Repe: g. ct. 61614389 by:



Patient Name	ATUL MUKESH	Date	05-10-2024
Age/Sex	43/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



Report



(GEM212170906)(R)Kardic by Allengers

3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg Date: 05-Oct-2024 Technician : ARUN

Stage	Time	Duration	Belt Speed (mph)	Elevation	METs	Rate	% THR Achieved	BP	RPP	PVC	Comments
Supine	00:04	0:01	00.0	00.0	01.0	80	45 %	120/80	096	00	
Standing	00:32	0:01	00.0	00.0	01.0	78	44 %	120/80	093	00	
HV	00:41	0:01	00.0	00.0	01.0	082	46 %	120/80	098	00	
Warm Up	01:01	0:01	01.0	00.0	01.0	079	45 %	120/80	094	00	
ExStart	01:27	0:06	01.7	10.0	01.1	107	60 %	120/80	128	00	
BRUCE/ Stage 1	04:27	3:00	01.7	10.0	04.7	135	76 %	125/85	168	00	
BRUCE/ Stage 2	07:27	3:00	02.5	12.0	07.1	162	92 %	130/90	210	00	
PeakEx	07:59	0:32	03.4	14.0	07.7	171	97 %	130/90	222	00	
Recovery	08:58	1:00	01.1	00.0	01.2	147	83 %	130/90	191	00	
Recovery	09:58	2:00	01.1	00.0	01.0	131	74 %	125/85	163	00	
Recovery	11:32	3:33	01.1	00.0	01.0	122	69 %	120/80	146	00	

Findings :

Exercise Time : 06:33
Max HR Attained : 171 bpm 97% of Target 177
Max BP Attained : (Sys) 130/90
Max WorkLoad Attained : 7.7 Fair response to induced stress
Max ST Dep Lead & Value : V1 & -2.1 mm in Stage 2 mm
Test End Reasons : Test Complete

Report :

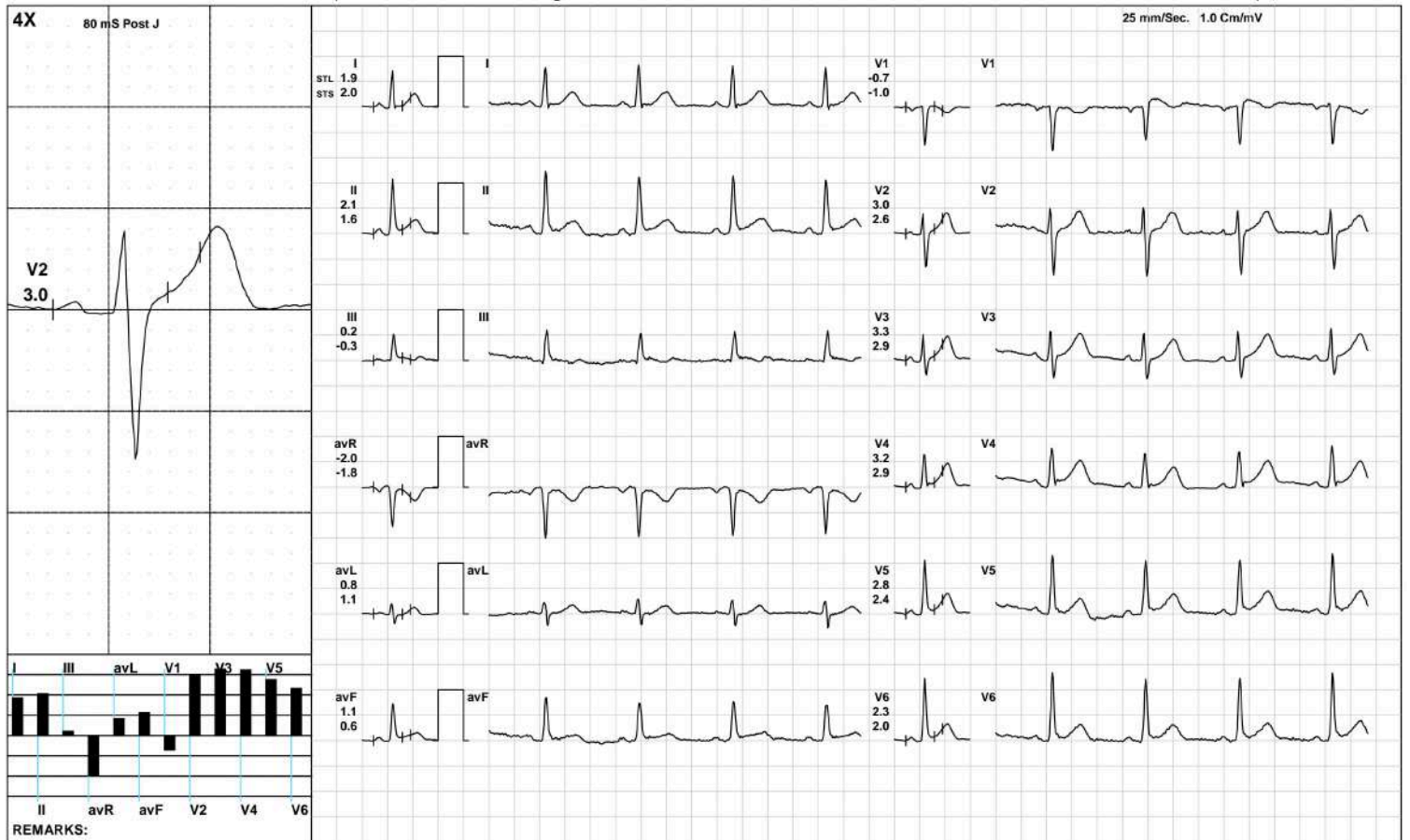
3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 80

Supine



Date: 05-Oct-2024 12:46:36 PM METS: 1.0/ 80 bpm 45% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:04 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

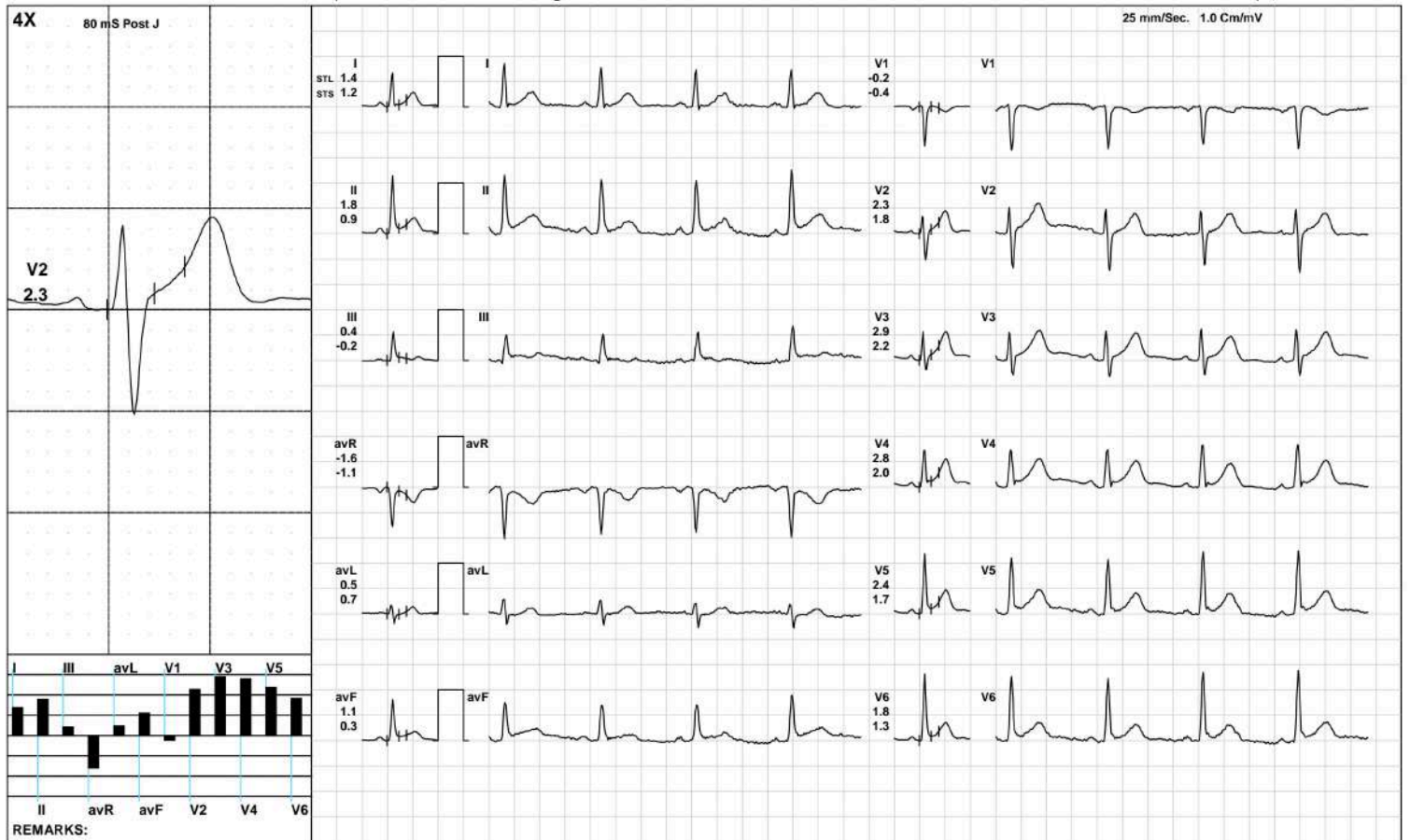
3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 78

Standing



Date: 05-Oct-2024 12:46:36 PM METS: 1.0/ 78 bpm 44% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:32 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

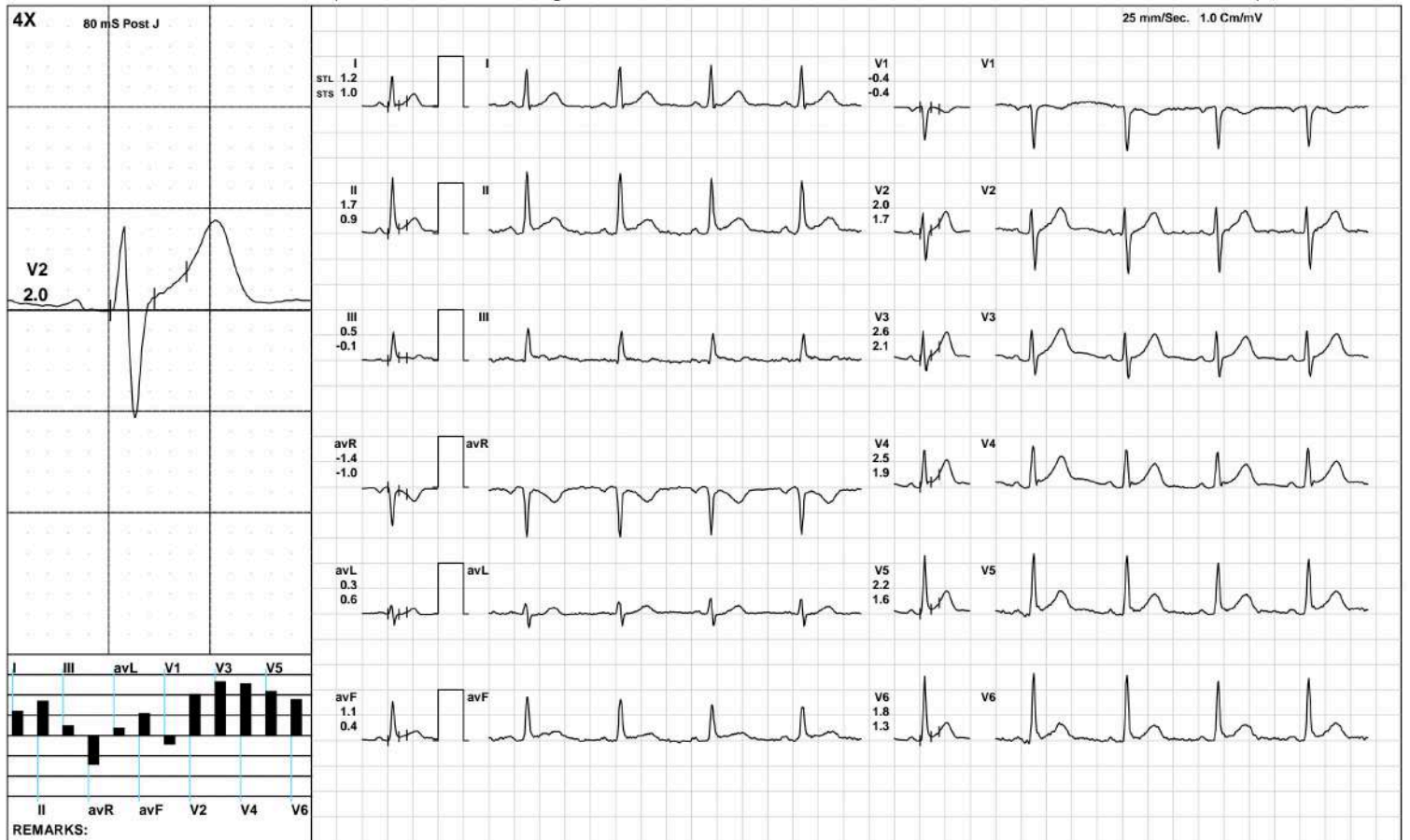
3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 82

HV



Date: 05-Oct-2024 12:46:36 PM METS: 1.0/ 82 bpm 46% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:41 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

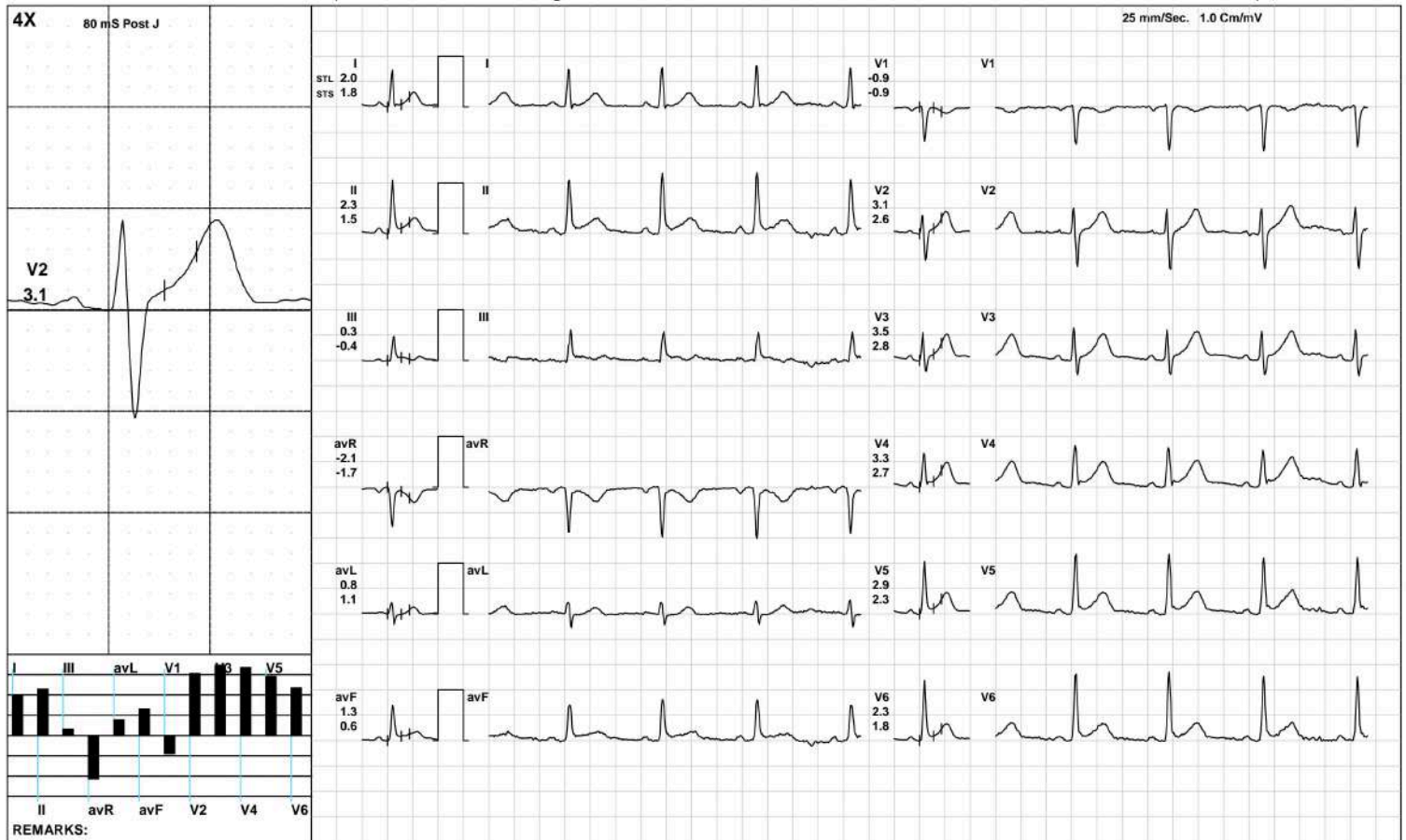
3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 79

Warm Up



Date: 05-Oct-2024 12:46:36 PM METS: 1.0/ 79 bpm 44% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 01:01 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

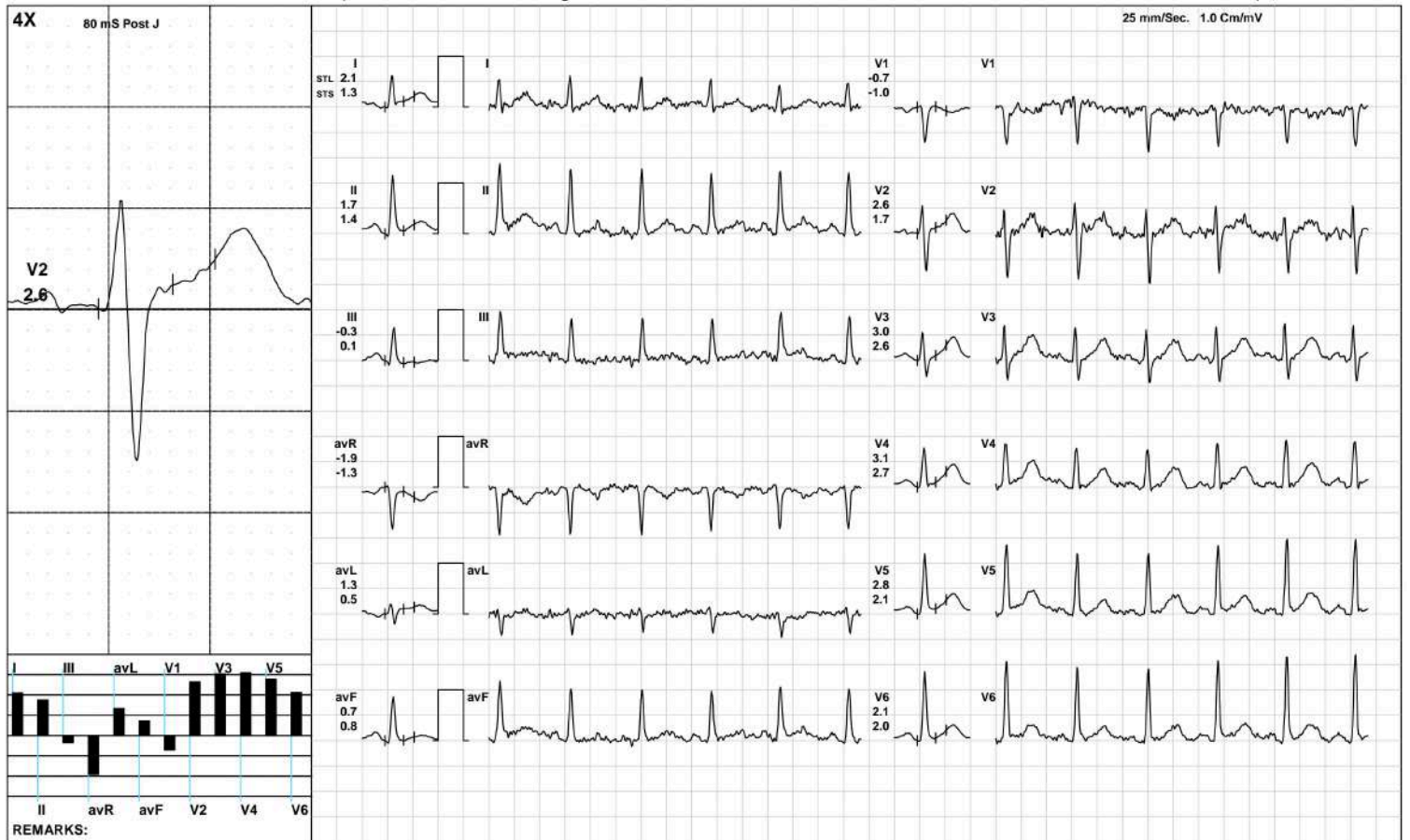
3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 107

ExStart



Date: 05-Oct-2024 12:46:36 PM METS: 1.1/ 107 bpm 60% 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

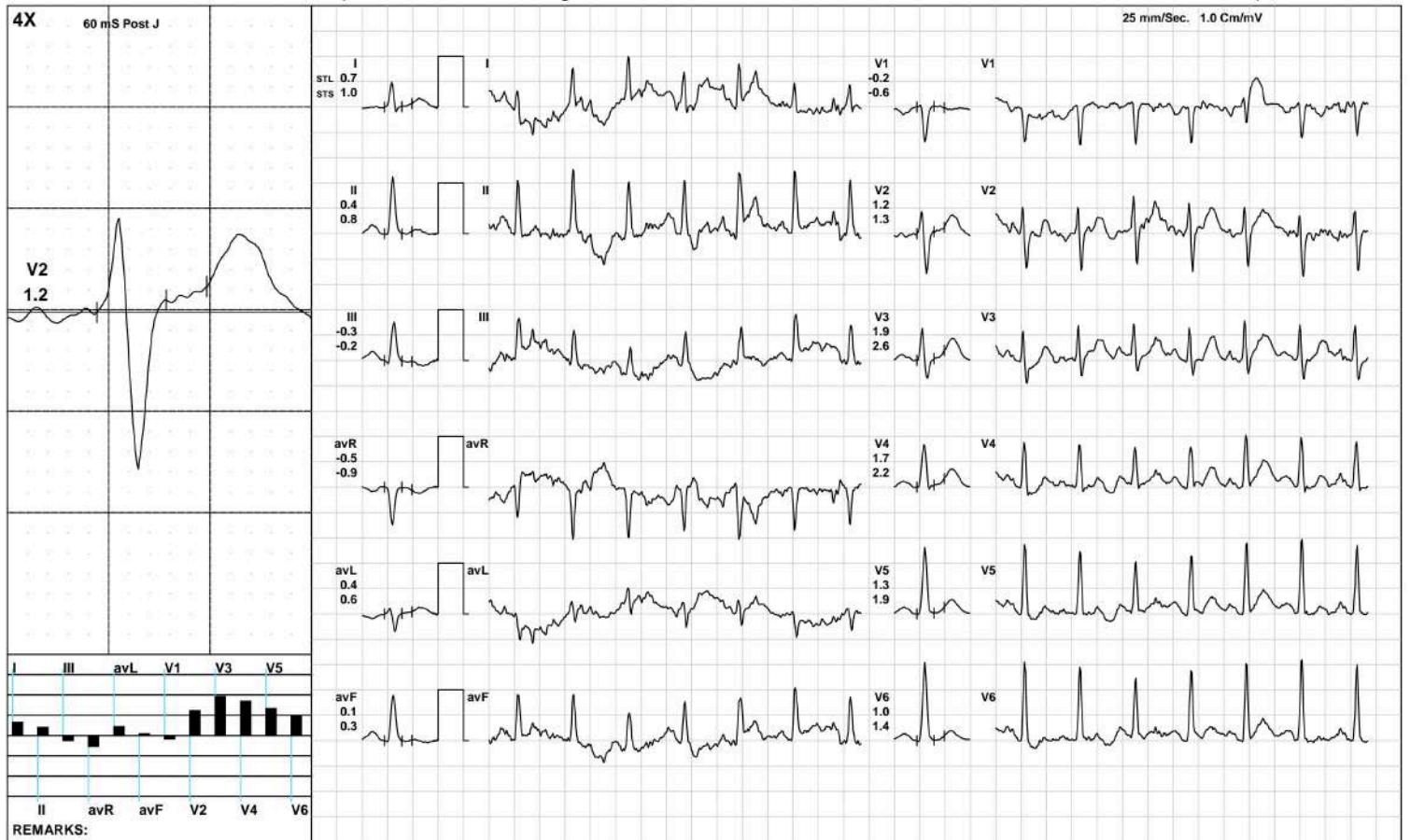
3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 135

BRUCE/:Stage 1(3:00)



Date: 05-Oct-2024 12:46:36 PM METS: 4.7/ 135 bpm 76% 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

3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 162

BRUCE/:Stage 2(3:00)



Date: 05-Oct-2024 12:46:36 PM METS: 7.1/ 162 bpm 91% 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

3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 171

PeakEx



Date: 05-Oct-2024 12:46:36 PM METS: 7.7/ 171 bpm 96% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:32 3.4 mph, 14.0%



(GEM212170906)(R)Kardic by Allengers

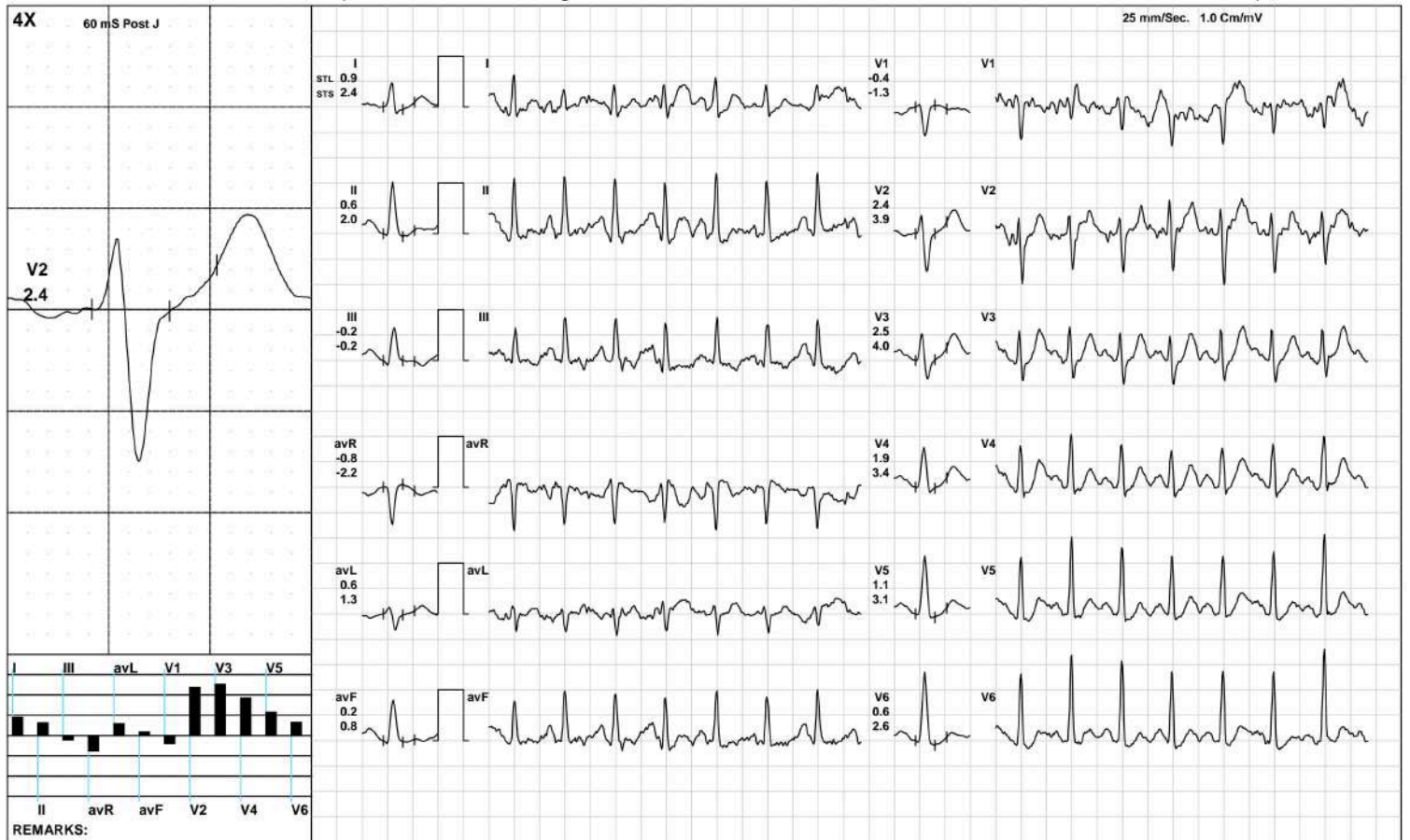
3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 147

Recovery(1:00)



Date: 05-Oct-2024 12:46:36 PM METS: 1.2/ 147 bpm 83% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:33 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

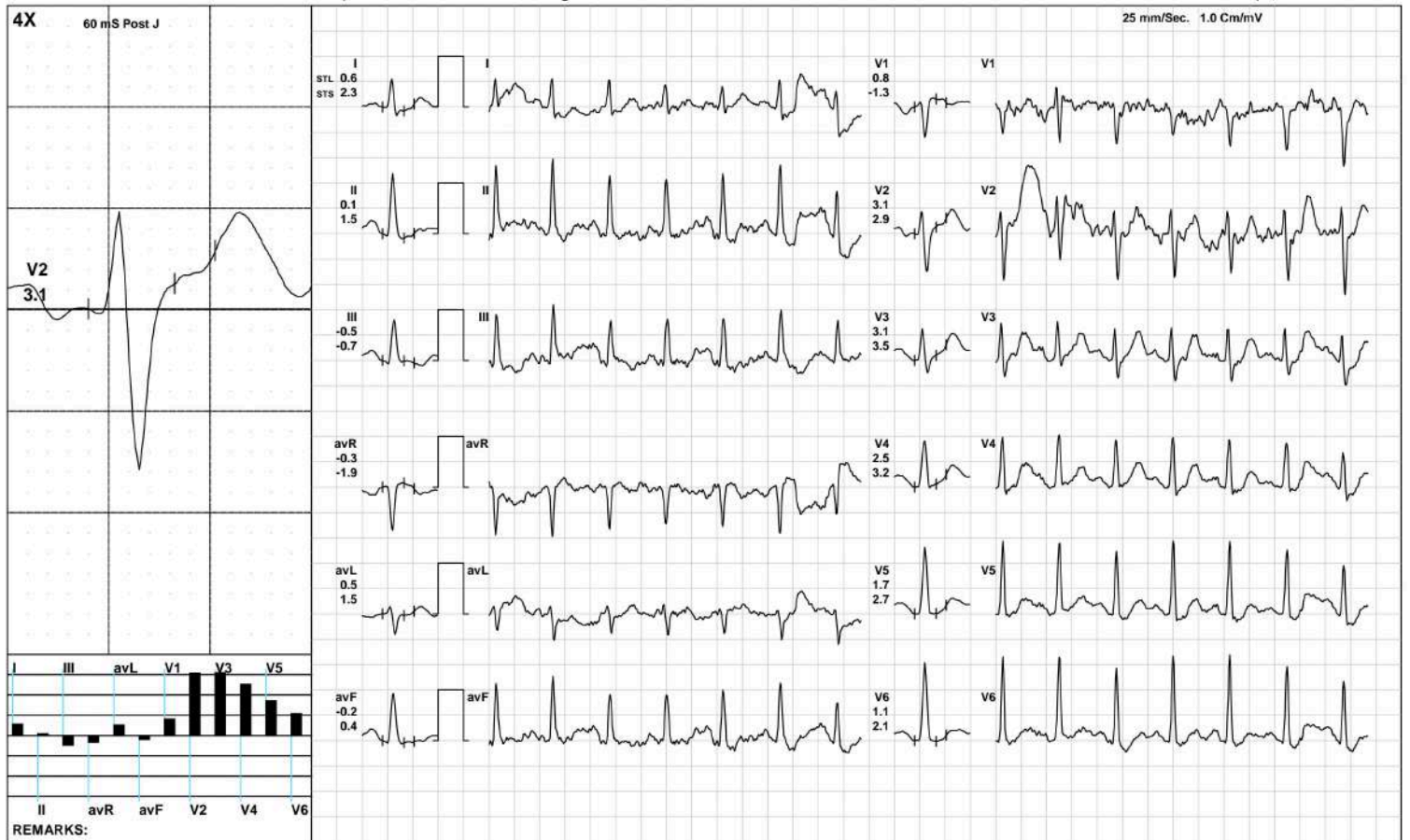
3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 131

Recovery(2:00)



Date: 05-Oct-2024 12:46:36 PM METS: 1.0/ 131 bpm 74% of THR BP: 125/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:33 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

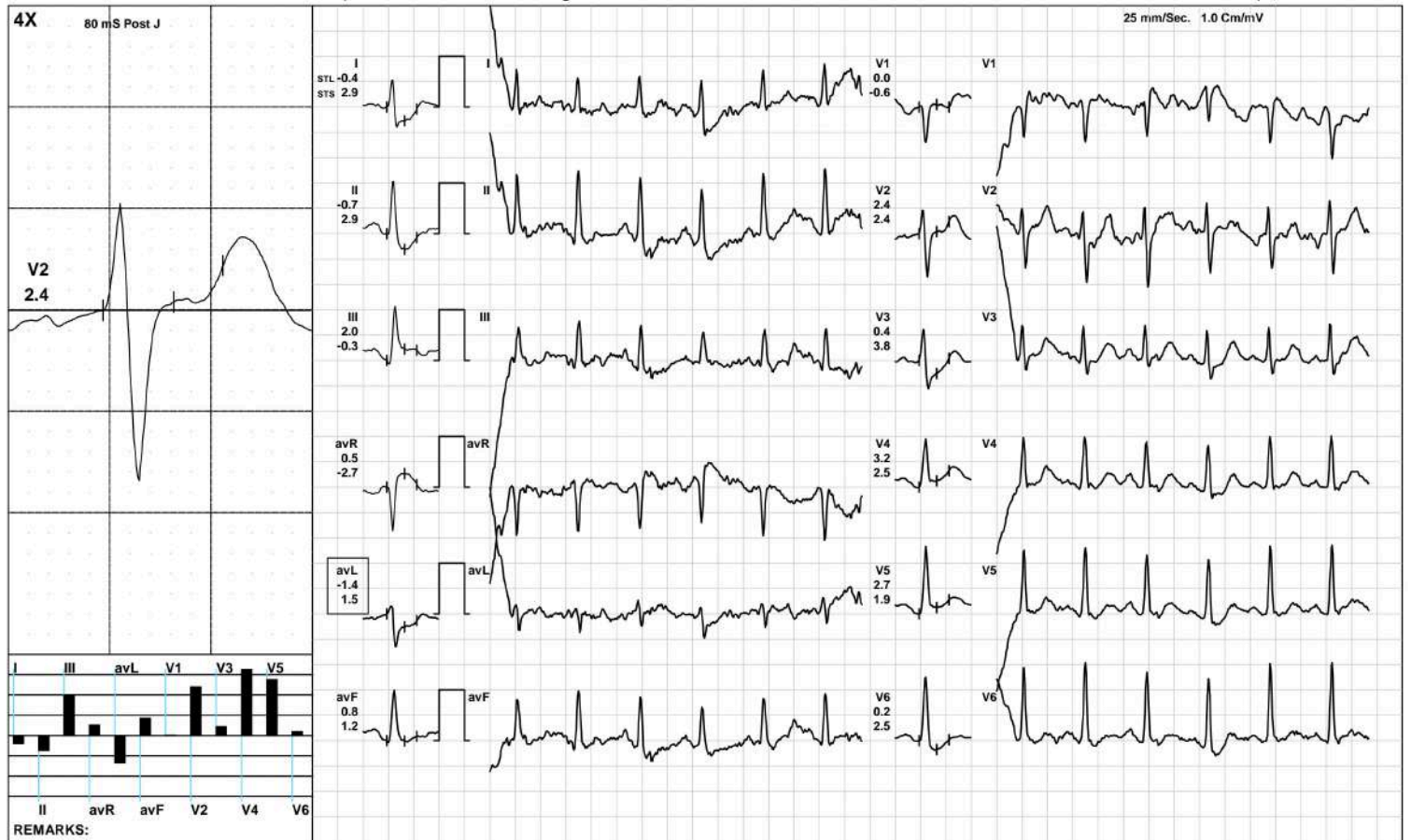
Recovery(3:33)



3229 / MR. ATUL MUKESH / 43 Yrs / M / 181 Cms / 85 Kg / HR : 122

Date: 05-Oct-2024 12:46:36 PM METS: 1.0/ 122 bpm 68% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:33 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

ST Measurements



Date: 05-Oct-2024 12:46:36 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	1.9	2.1	0.2	-2.0	0.8	1.1	-0.7	3.0	3.3	3.2	2.8	2.3	2.0	1.6	-0.3	-1.8	1.1	0.6	-1.0	2.6	2.9	2.9	2.4	2.0	
80 @mS Standing	1.4	1.8	0.4	-1.6	0.5	1.1	-0.2	2.3	2.9	2.8	2.4	1.8	1.2	0.9	-0.2	-1.1	0.7	0.3	-0.4	1.8	2.2	2.0	1.7	1.3	
HV	1.4	1.8	0.4	-1.6	0.5	1.1	-0.2	2.3	2.9	2.8	2.4	1.8	1.2	0.9	-0.2	-1.1	0.7	0.3	-0.4	1.8	2.2	2.0	1.7	1.3	
Warm Up	1.9	2.2	0.3	-2.0	0.8	1.2	-0.8	3.0	3.4	3.3	2.8	2.3	1.8	1.6	-0.2	-1.7	1.0	0.6	-0.9	2.5	2.8	2.6	2.3	1.8	
ExStart	2.1	1.7	-0.3	-1.9	1.3	0.7	-0.7	2.6	3.0	3.1	2.8	2.1	1.3	1.4	0.1	-1.3	0.5	0.8	-1.0	1.7	2.6	2.7	2.1	2.0	
Stage 1	0.7	0.4	-0.3	-0.5	0.4	0.1	-0.2	1.2	1.9	1.7	1.3	1.0	1.0	0.8	-0.2	-0.9	0.6	0.3	-0.6	1.3	2.6	2.2	1.9	1.4	
Stage 2	-0.7	1.1	0.4	-0.9	0.1	0.7	-2.1	1.2	0.9	0.5	-0.2	-0.2	1.0	0.5	-0.9	-1.1	1.3	-0.4	-0.8	2.8	3.7	2.9	2.0	1.2	
PeakEx	-1.5	1.1	0.5	0.9	0.2	0.8	1.2	1.0	1.1	0.5	-0.1	-0.1	-1.8	2.3	0.8	0.3	0.5	1.8	0.2	1.8	3.0	2.6	2.1	1.9	
Recovery	0.9	0.6	-0.2	-0.8	0.6	0.2	-0.4	2.4	2.5	1.9	1.1	0.6	2.4	2.0	-0.2	-2.2	1.3	0.8	-1.3	3.9	4.0	3.4	3.1	2.6	
Recovery	0.6	0.1	-0.5	-0.3	0.5	-0.2	0.8	3.1	3.1	2.5	1.7	1.1	2.3	1.5	-0.7	-1.9	1.5	0.4	-1.3	2.9	3.5	3.2	2.7	2.1	
Recovery	-0.4	-0.7	2.0	0.5	-1.4	0.8	0.0	2.4	0.4	3.2	2.7	0.2	2.9	2.9	-0.3	-2.7	1.5	1.2	-0.6	2.4	3.8	2.5	1.9	2.5	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	
STI(μVs)													
Supine		12.9	15.6	2.6	-14.3	5.2	9.1	-4.5	21.1	24.5	24.2	20.8	17.4
Standing		13.1	16.1	3.0	-14.6	5.0	9.6	-2.8	21.6	26.9	26.2	22.1	16.9
HV		13.1	16.1	3.0	-14.6	5.0	9.6	-2.8	21.6	26.9	26.2	22.1	16.9
Warm Up		14.4	16.8	2.3	-15.6	6.1	9.5	-5.8	22.9	27.0	25.9	22.1	17.5
ExStart		15.5	12.2	-3.4	-13.8	10.4	4.4	-4.3	18.9	20.5	20.8	18.8	13.7
Stage 1		2.5	1.1	-1.4	-1.9	2.0	-0.1	0.1	5.5	6.5	6.0	4.4	2.9
Stage 2		-6.1	4.5	2.4	-2.6	-1.1	3.7	-12.0	3.1	-0.2	-2.3	-5.8	-4.9
PeakEx		-5.2	1.0	-0.4	4.8	1.6	-0.3	6.1	2.6	1.4	-2.4	-5.1	-5.2
Recovery		0.8	-0.3	-0.7	-0.3	0.9	-0.7	0.6	6.0	6.9	4.0	0.7	-1.3
Recovery		-0.5	-2.1	-1.6	1.2	0.5	-1.7	7.7	13.5	12.8	9.7	5.4	2.7
Recovery		-10.8	-13.8	16.0	11.5	-14.5	3.0	3.2	11.3	-5.4	19.7	17.0	-4.7

Median Measurement Summary



3229 / MR. ATUL MUKESH / 43 Yrs / Male / 181 Cm / 85 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 & P-J)	Min. Post JRR Var (μV)	(%)	VEB (Counts)	Missed Beats (Counts)
00:30	79	274	56	60	429	148	1337	-804	560	-329	V1	-5	0.00	0	0
01:00	91	262	72	58	426	135	1259	-809	519	-71	V1	-26	0.00	0	0
01:30	107	178	72	64	468	211	1518	-909	446	-72	V1	-38	0.00	0	0
02:00	119	100	70	68	481	206	1558	-866	379	-47	V1	-11	0.00	0	0
02:30	124	106	70	67	470	215	1524	-842	360	81	III	-22	0.00	0	0
03:00	131	134	68	68	473	242	1539	-850	370	106	III	-9	0.00	0	0
03:30	133	132	68	71	465	250	1551	-795	404	-124	V1	1	0.00	0	0
04:00	130	136	62	66	463	264	1705	-781	455	-83	I	-2	0.00	0	0
04:30	136	112	62	75	444	238	1572	-807	421	-99	I	-80	0.00	0	0
05:00	147	112	62	81	344	277	1525	-818	377	-269	I	-149	0.00	0	0
05:30	152	114	82	53	435	281	1520	-795	398	-84	I	-100	0.00	0	0
06:00	153	108	60	65	442	357	1528	-819	394	-359	I	-314	0.00	0	0
06:30	159	100	82	68	436	359	1472	-780	426	120	III	-102	0.00	0	0
07:00	162	98	60	82	422	320	1444	-836	372	-27	II	-183	0.00	0	0
07:30	163	104	60	67	431	-277	1522	-828	389	-42	II	-237	0.00	0	0
08:00	169	98	-96	74	125	2234	1447	-2060	2422	-2100	V3	-2083	0.00	0	0
08:30	156	146	32	77	149	2565	1418	-1325	2672	-1526	V3	-1441	0.00	0	0
09:00	144	116	60	72	430	273	1464	-827	524	-142	V1	-141	0.00	0	0
09:30	136	104	70	64	439	272	1452	-848	511	11	III	-49	0.00	0	0
10:00	130	130	60	68	423	269	1477	-779	517	96	II	-45	0.00	0	0
10:30	126	102	-144	63	85	3397	1440	-2819	3671	-2864	V3	-2903	0.00	0	0
11:00	122	158	62	61	340	237	1489	-918	535	35	III	-56	0.00	0	0



ISO 9001 : 2015
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 9264278360, 9065875700, 8789391403
 info@aarogyamdiagnostics.com
 www.aarogyamdiagnostics.com

Date	05/10/2024	Srl No.	17	Patient Id	2410050017
Name	Mr. ATUL MUKESH	Age	43 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	5.2	%	

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



ISO 9001 : 2015

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Date	05/10/2024	Srl No.	17	Patient Id	2410050017
Name	Mr. ATUL MUKESH	Age	43 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	14.4	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	6,800	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	61	%	40 - 75
LYMPHOCYTE	33	%	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	4.84	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	43.2	%	40 - 54
M C V	89.26	fl.	80 - 100
M C H	29.75	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	"B"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	85.1	mg/dl	70 - 110
SERUM CREATININE	1.07	mg%	0.7 - 1.4
BLOOD UREA	24.6	mg /dl	15.0 - 45.0
SERUM URIC ACID	6.34	mg%	3.4 - 7.0

LIVER FUNCTION TEST (LFT)



ISO 9001 : 2015

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9264278360, 9065875700, 8789391403

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www.aarogyamdiagnostics.com

Date	05/10/2024	Srl No.	17	Patient Id	2410050017
Name	Mr. ATUL MUKESH	Age	43 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)	0.29	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.34	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.48	gm/dl	6.6 - 8.3
ALBUMIN	4.61	gm/dl	3.4 - 5.2
GLOBULIN	2.87	gm/dl	2.3 - 3.5
A/G RATIO	1.606		
SGOT	36.4	IU/L	5 - 40
SGPT	48.3	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	69.7	U/L	40.0 - 130.0
GAMMA GT	21.8	IU/L	8.0 - 71.0

LFT INTERPRET

LIPID PROFILE

TRIGLYCERIDES	86.9	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	151.8	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	51.3	mg/dL	35.1 - 88.0
V L D L	17.38	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	83.12	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	2.959		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.62		0.00 - 3.55
THYROID PROFILE			
QUANTITY	15	ml.	



Date	05/10/2024	Srl No.	17	Patient Id	2410050017
Name	Mr. ATUL MUKESH	Age	43 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.



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	05/10/2024	Srl No.	17	Patient Id	2410050017
Name	Mr. ATUL MUKESH	Age	43 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	05/10/2024	Srl No.	17	Patient Id	2410050017
Name	Mr. ATUL MUKESH	Age	43 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
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BIOCHEMISTRY

BLOOD SUGAR PP	105.9	mg/dl	80 - 160
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**** End Of Report ****

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



Lab Facility : Unipath House, Besides Sahjanand College, Opp. Kamdhenu Complex, Panjarapole, Ambawadi, Ahmedabad-380015 Gujarat
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 Regd. Of- ce : 5th Floor, Doctor House, Nr. Parimal Garden, Ahmedabad-380006 Gujarat
 CIN: U85195GJ2009PLC057059



41004100145

TEST REPORT

Reg.No : 41004100145	Reg.Date : 06-Oct-2024 15:29	Collection : 06-Oct-2024 15:29
Name : ATUL MUKESH		Received : 06-Oct-2024 15:29
Age : 43 Years	Sex : Male	Report : 06-Oct-2024 16:36
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 06-Oct-2024 16:57
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine), Total <small>CMIA</small>	1.08	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CMIA</small>	7.66	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) <small>CMIA</small>	2.229	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. Rina Prajapati
D.C.P. DNB (Path)
G-21793

Dr. Razvin Somani

M.D. Pathology
Reg. No.:G-51211



Name :- Atul Mukesh
Refd by :- Corp

Age/Sex:- 43Yrs/M
Date :- 06/10/24

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Enlarged in size(17.5cm) 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 (9.4cm) 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 11.0cm and Left Kidney measures 10.8cm.
- Ureters** :- Ureters are normal.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Prostate** :- Normal in size(19.2cc) & echotexture.
- Others** :- No ascites or abdominal adenopathy is seen.
No free subphrenic / basal pleural space collection is seen.

IMPRESSION:- *Hepatomegaly with Grade I Fatty Changes Liver.
Otherwise Normal Scan.*

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