



भारत सरकार
Government of India



Issue Date: 12/12/2014



रेणु कुमारी
Renu Kumari
जन्म तिथि / DOB: 12/07/1986
महिला / FEMALE



8330 7176 7222

मेरा आधार, मेरी पहचान



Handwritten: Blood + PP

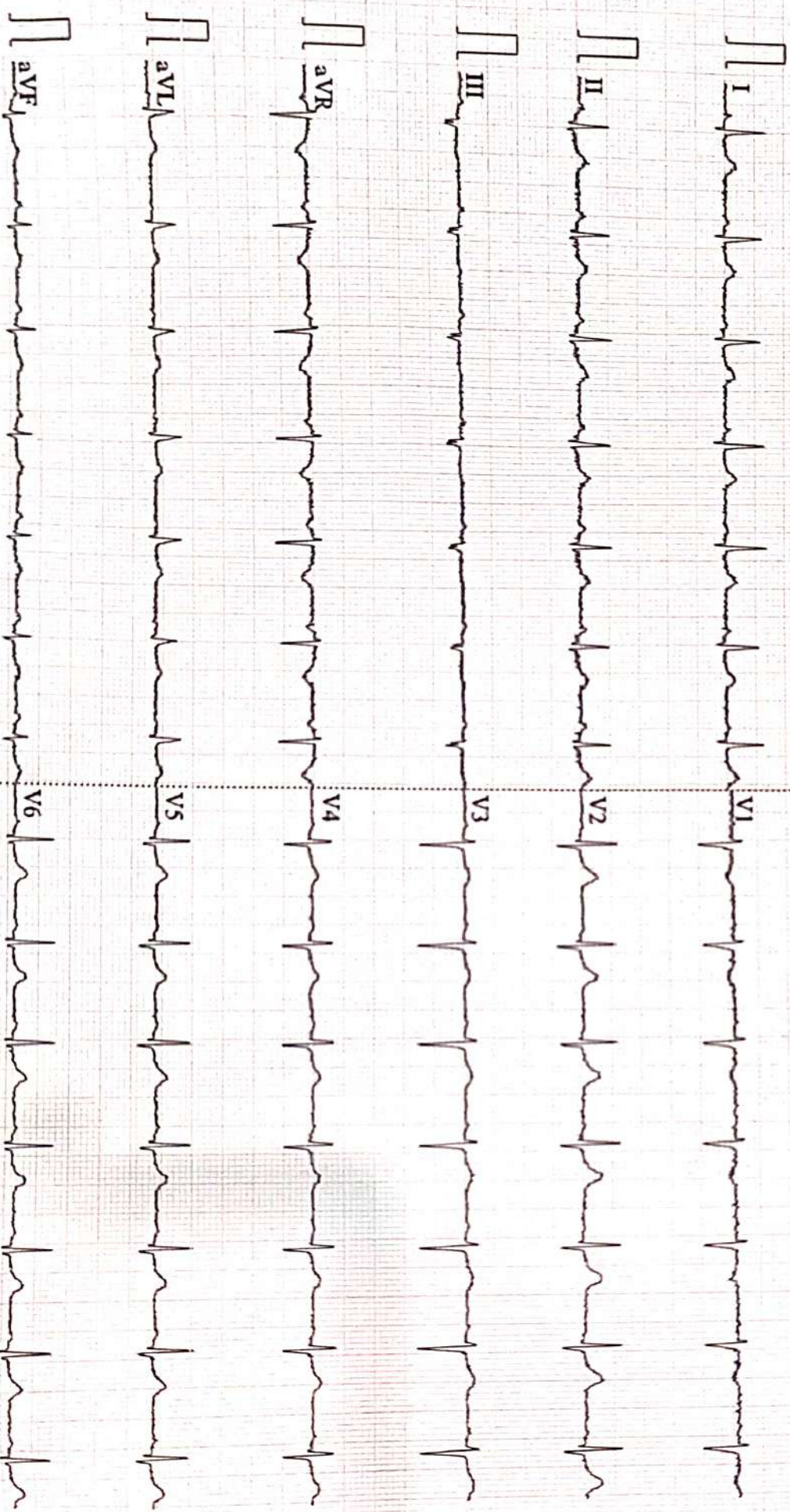
ID: 036
RENU KUMARI
Female 38Years

02-10-2024 09:19:29 AM

Diagnosis Information:
Sinus Rhythm
Abnormal Q Wave(III)

HR : 83 bpm
P : 89 ms
PR : 138 ms
QRS : 74 ms
QT/QTc : 351/414 ms
P/QRS/T : 63/4/37 °
RV5/SV1 : 0.629/0.541 mV

DR. RAMAN
Ref: Phys. 33940
Report confirmed by:



Patient Name	RENU KUMARI	Date	02-10-2024
Age/Sex	38/F	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 :- Renu Kumari
Refd by :- Corp.

Age/Sex:- 38Yrs/F
Date :-02/10/24

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Normal in size (11.2cm) 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 (10.8cm) 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 9.4cm and Left Kidney measures 9.7cm.
- Ureters** :- Ureters are normal.
- U. Bladder** :- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Uterus** :- Normal in size (7.4cm x 3.4cm) and anteverted retroflexed in position with normal myometrial echotexture and endometrial thickness. ET- 5.9mm
- Ovaries** :- Both ovaries show normal echotexture and follicular pattern. Right ovary measures 23mm x 19mm and Left ovary measures 22mm x 15mm.
No pelvic (POD) collection is seen.
- Others** :- No ascites or abdominal adenopathy is seen.
No free subphrenic / basal pleural space collection is seen.

IMPRESSION:- *Normal Scan of Abdomen.*

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

Report



(GEM212170906)(R)Kardic by Allengers

3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg Date: 02-Oct-2024 Technician : RESHMA ALI

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	90	50 %	120/80	108	00	
Standing	00:09	0:01	00.0	00.0	01.0	82	45 %	120/80	098	00	
HV	00:14	0:01	00.0	00.0	01.0	086	48 %	120/80	103	00	
Warm Up	00:23	0:01	01.0	00.0	01.0	088	49 %	120/80	105	00	
ExStart	00:30	0:06	01.7	10.0	01.1	118	65 %	120/80	141	00	
BRUCE/ Stage 1	03:30	3:00	01.7	10.0	04.7	146	81 %	125/85	182	00	
PeakEx	06:29	3:00	02.5	12.0	07.1	175	97 %	130/90	227	00	
Recovery	07:28	1:00	01.1	00.0	01.0	150	83 %	125/85	187	00	
Recovery	08:28	2:00	01.1	00.0	01.0	136	75 %	120/80	163	00	
Recovery	08:32	2:03	01.1	00.0	01.0	136	75 %	120/80	163	00	

Findings :

Exercise Time : 06:00
Max HR Attained : 175 bpm 97% of Target 181
Max BP Attained : (Sys) 130/90
Max WorkLoad Attained : 7.1 Fair response to induced stress
Max ST Dep Lead & Value : II & -1.8 mm in PeakEx mm
Test End Reasons : Test Complete

Report :

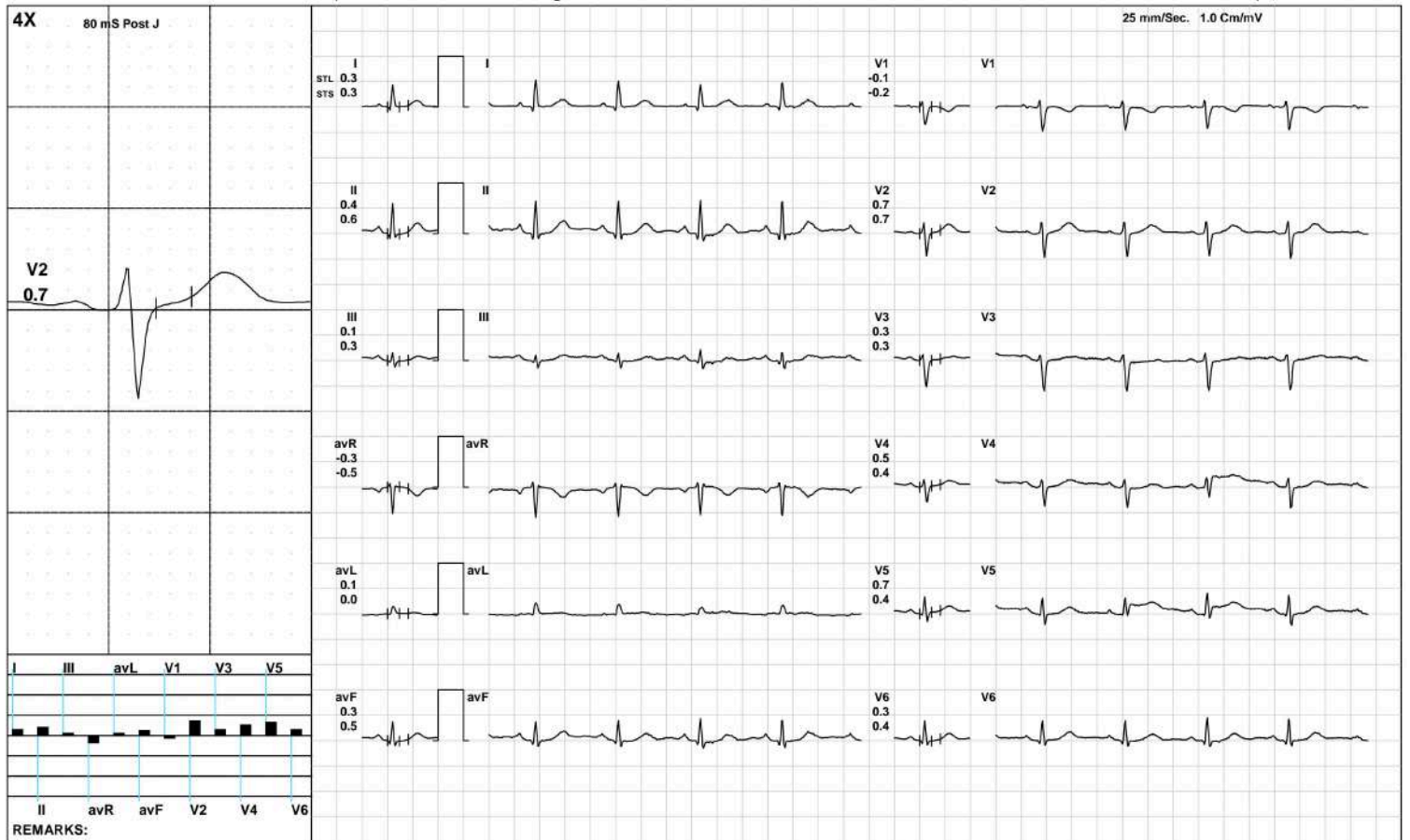
3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 90

Supine



Date: 02-Oct-2024 12:31:37 PM METS: 1.0/ 90 bpm 49% 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

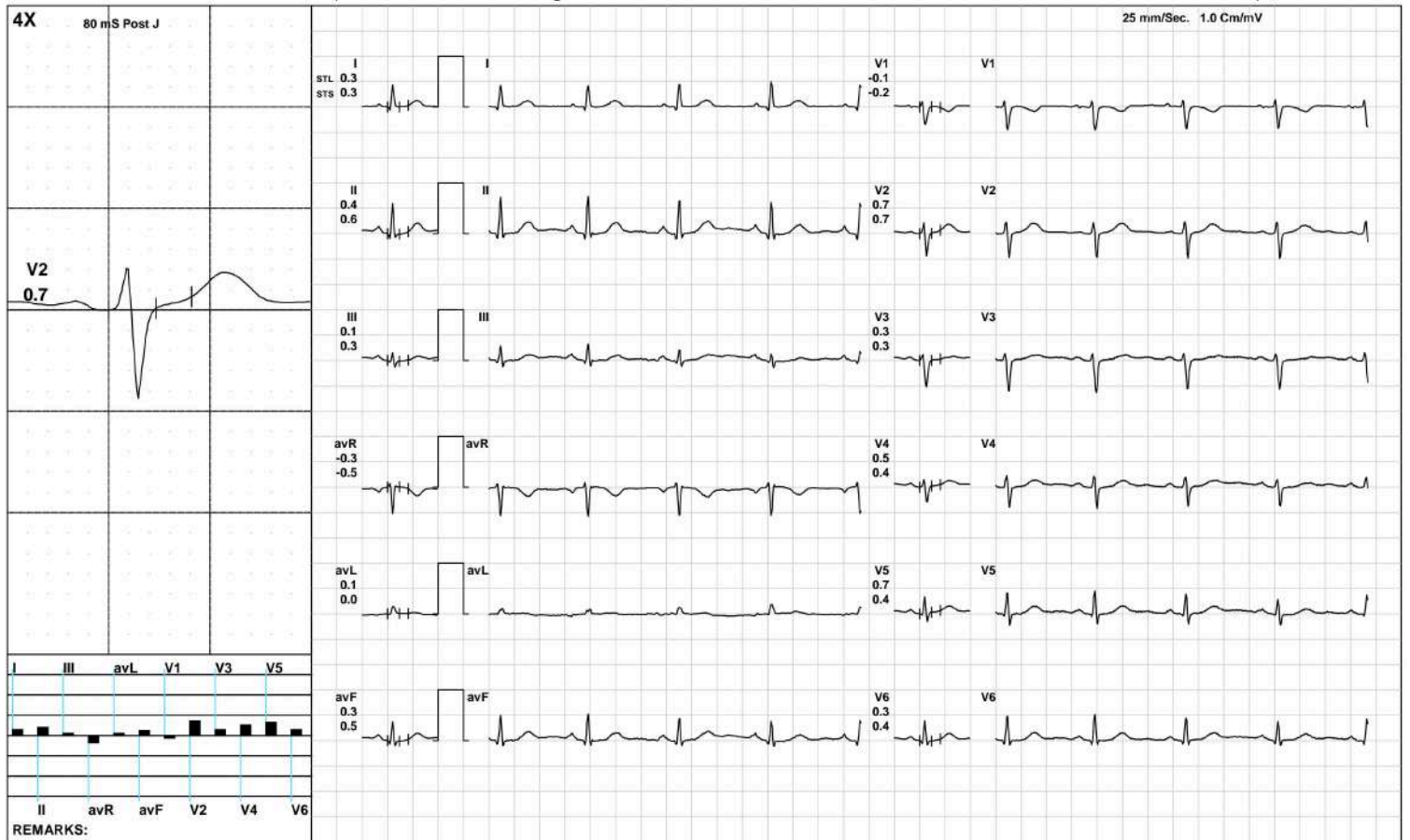
3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 82

Standing



Date: 02-Oct-2024 12:31:37 PM METS: 1.0/ 82 bpm 45% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:09 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

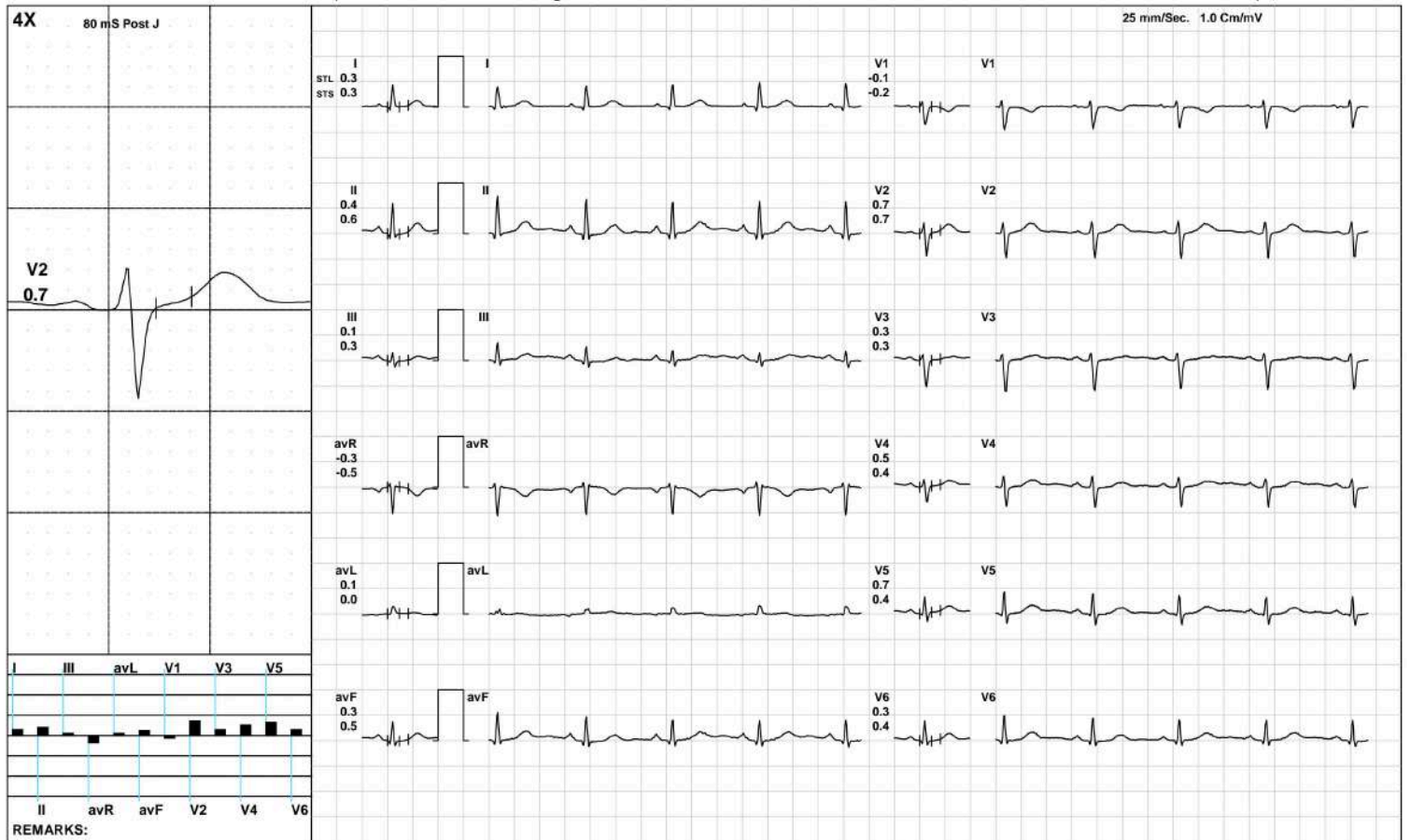
3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 86

HV



Date: 02-Oct-2024 12:31:37 PM METS: 1.0/ 86 bpm 47% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:14 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

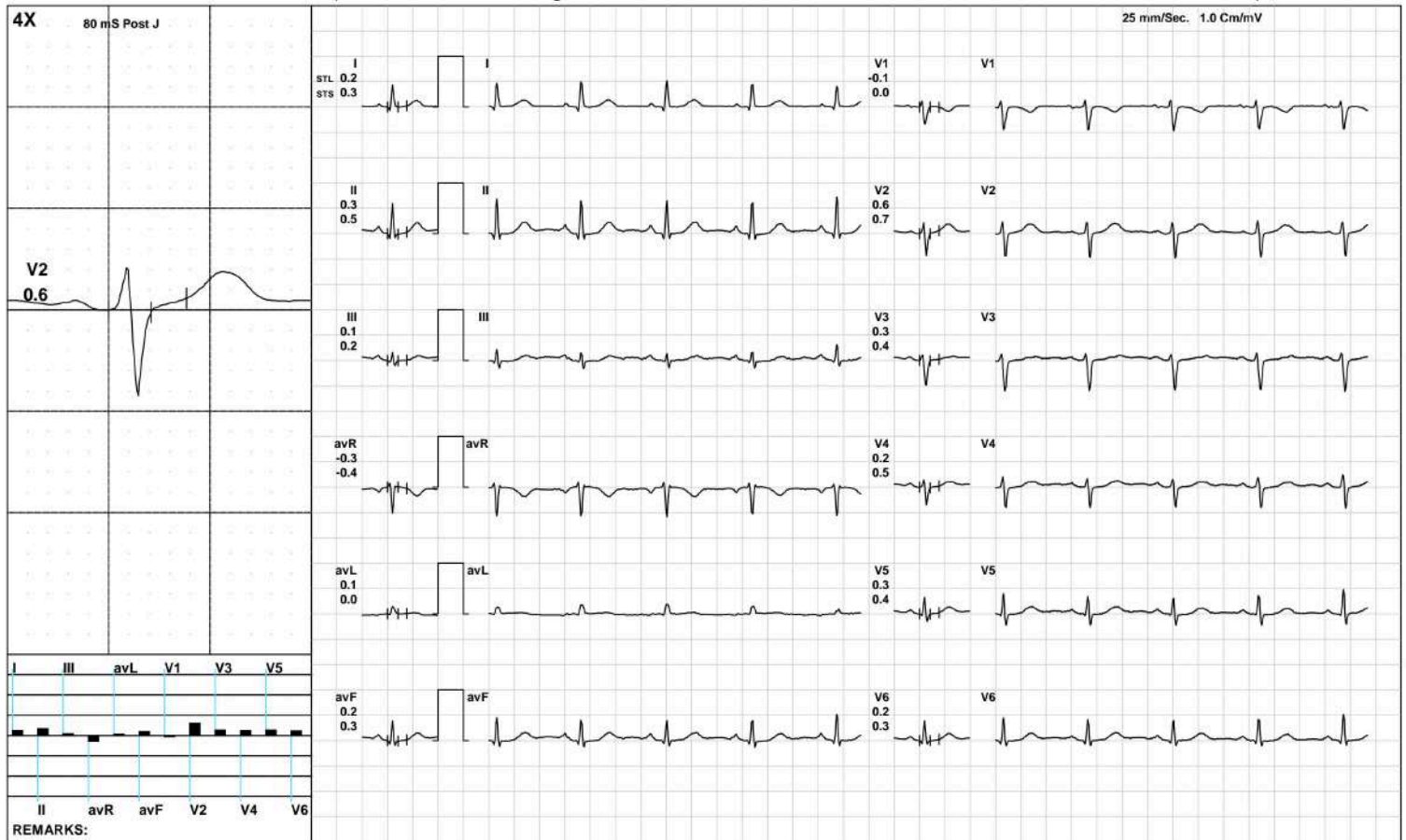
3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 88

Warm Up



Date: 02-Oct-2024 12:31:37 PM METS: 1.0/ 88 bpm 48% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:23 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 118

ExStart



Date: 02-Oct-2024 12:31:37 PM METS: 1.1/ 118 bpm 65% 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

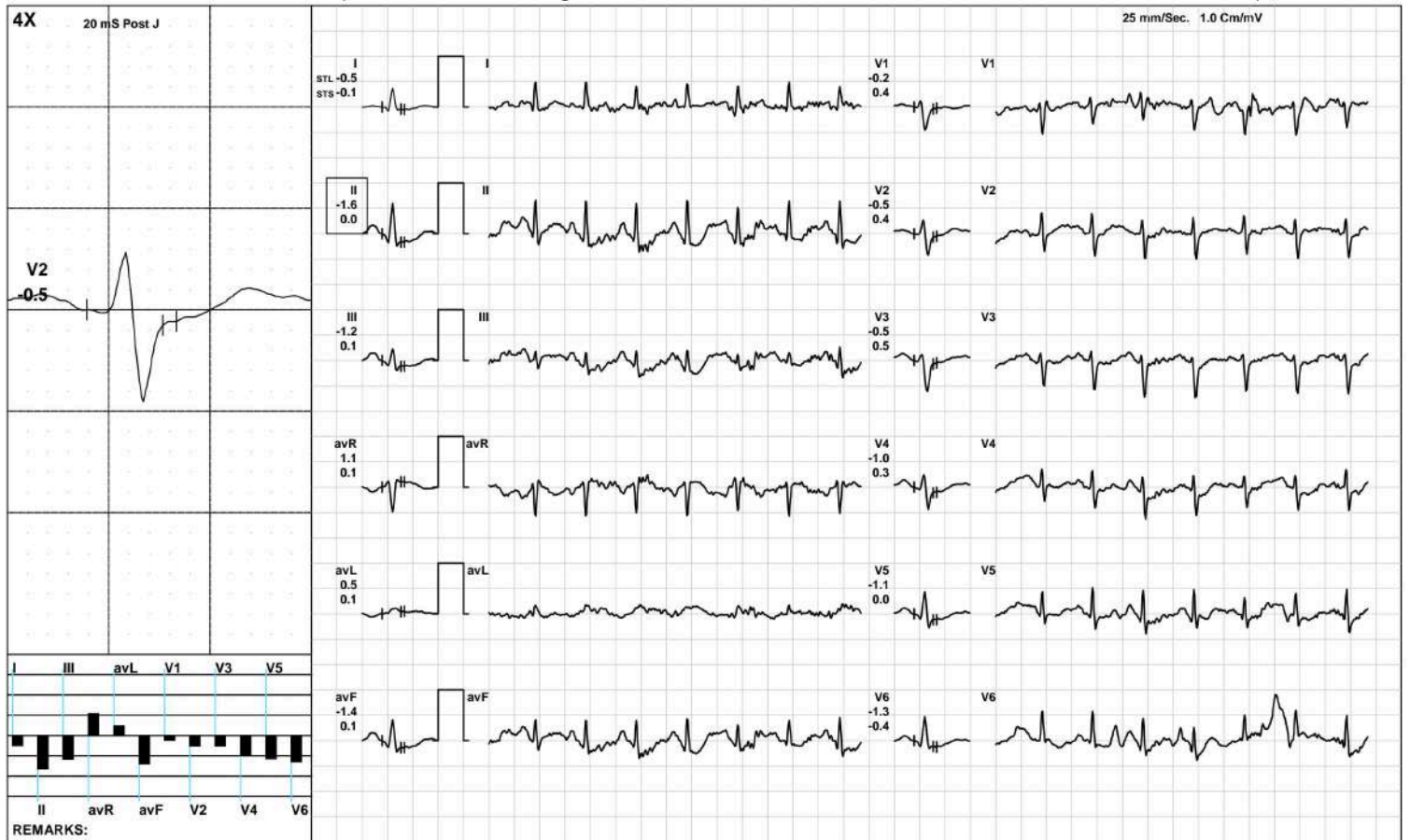
3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 146

BRUCE/Stage 1(3:00)



Date: 02-Oct-2024 12:31:37 PM METS: 4.7/ 146 bpm 80% 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

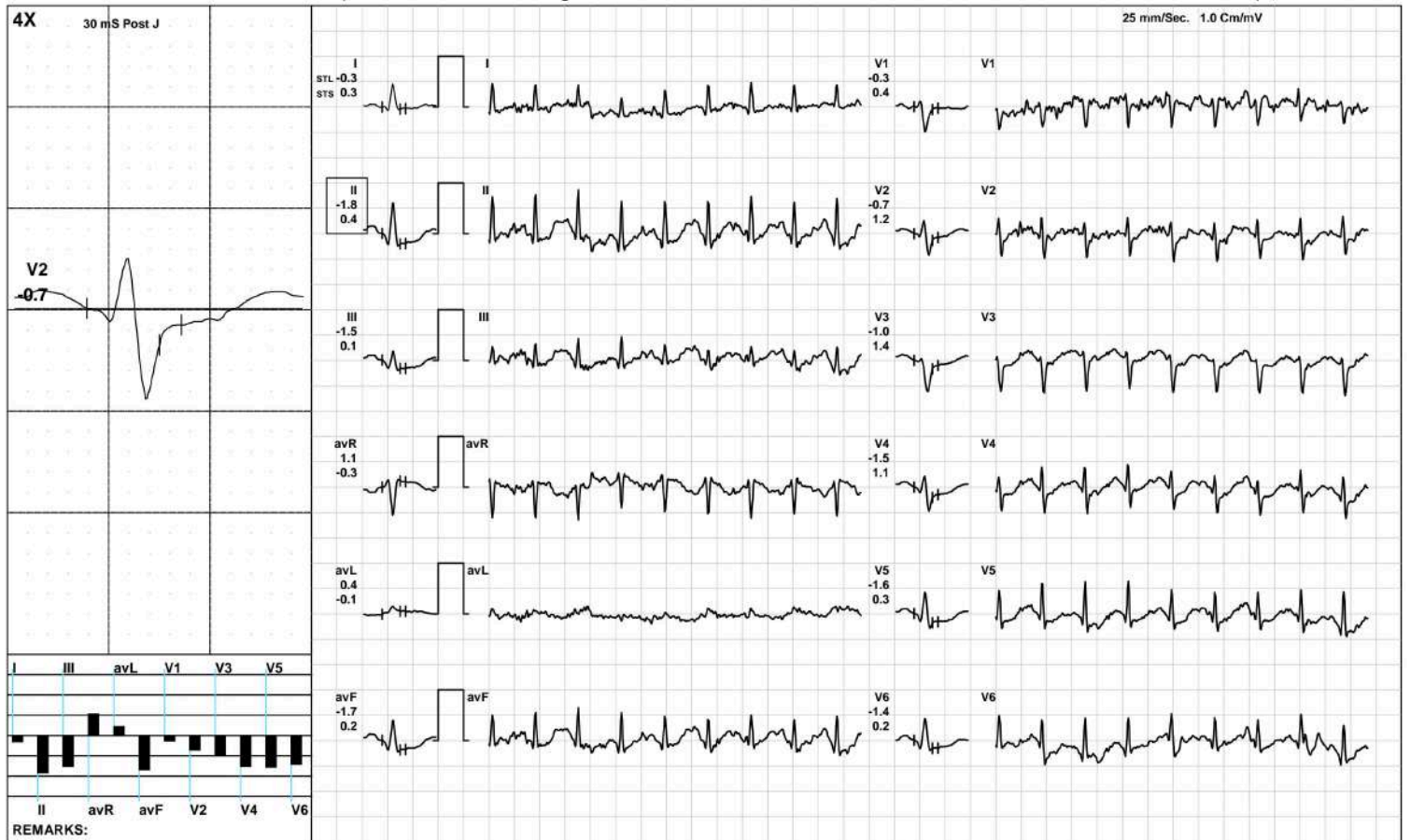
3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 175

PeakEx



Date: 02-Oct-2024 12:31:37 PM METS: 7.1/ 175 bpm 96% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 05:59 2.5 mph, 12.0%



(GEM212170906)(R)Kardic by Allengers

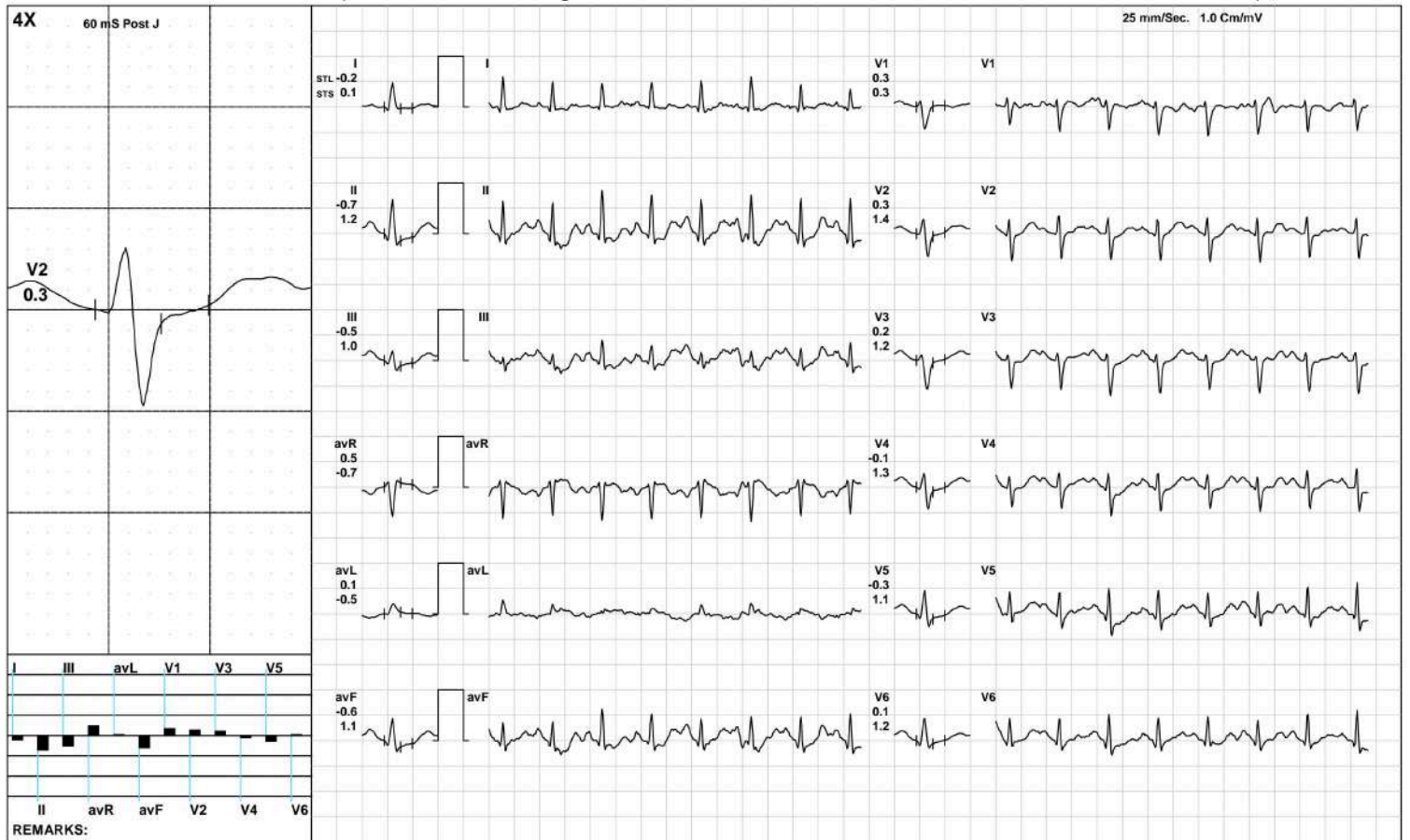
3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 150

Recovery(1:00)



Date: 02-Oct-2024 12:31:37 PM METS: 1.0/ 150 bpm 82% of THR BP: 125/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

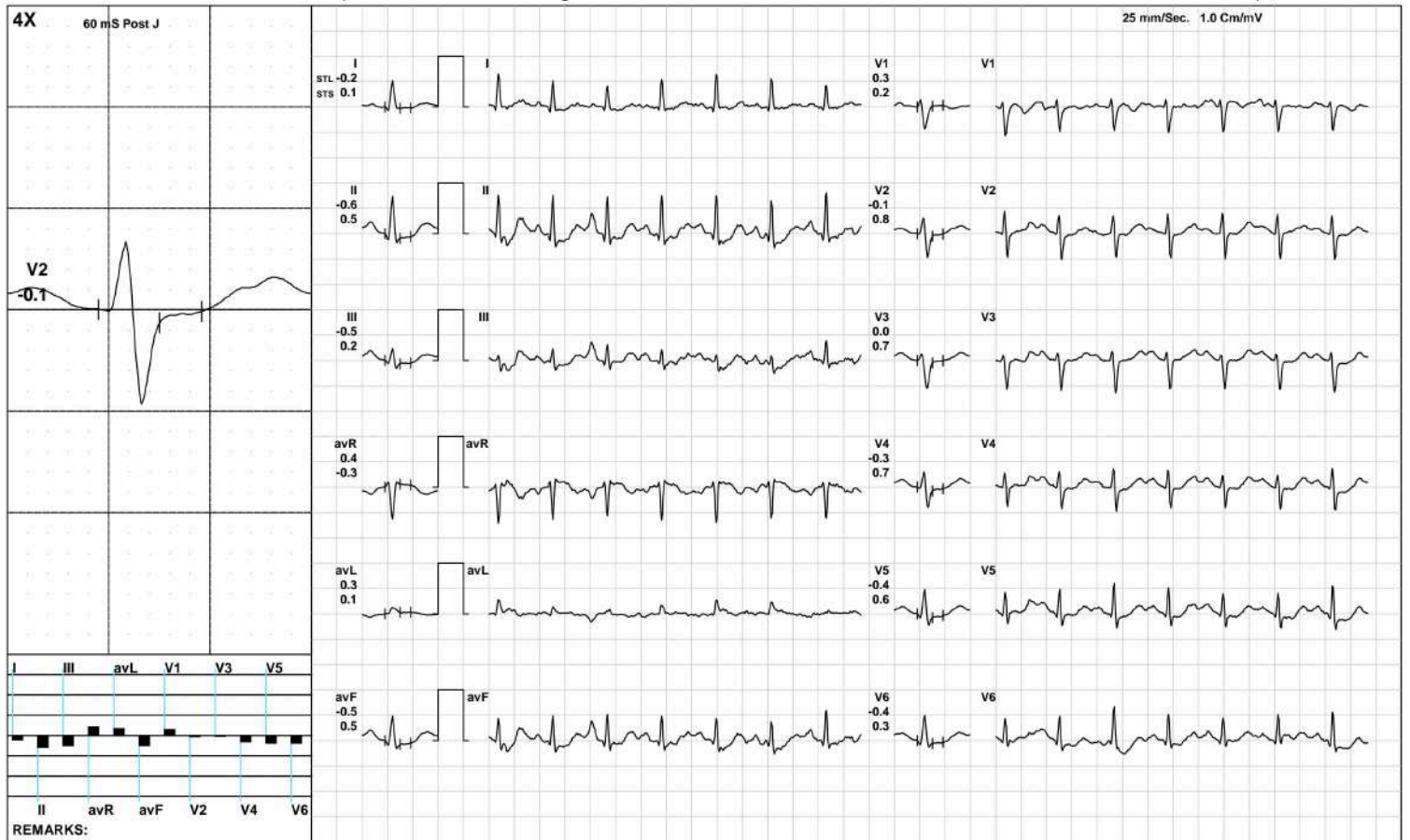
3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 136

Recovery(2:00)



Date: 02-Oct-2024 12:31:37 PM METS: 1.0/ 136 bpm 75% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

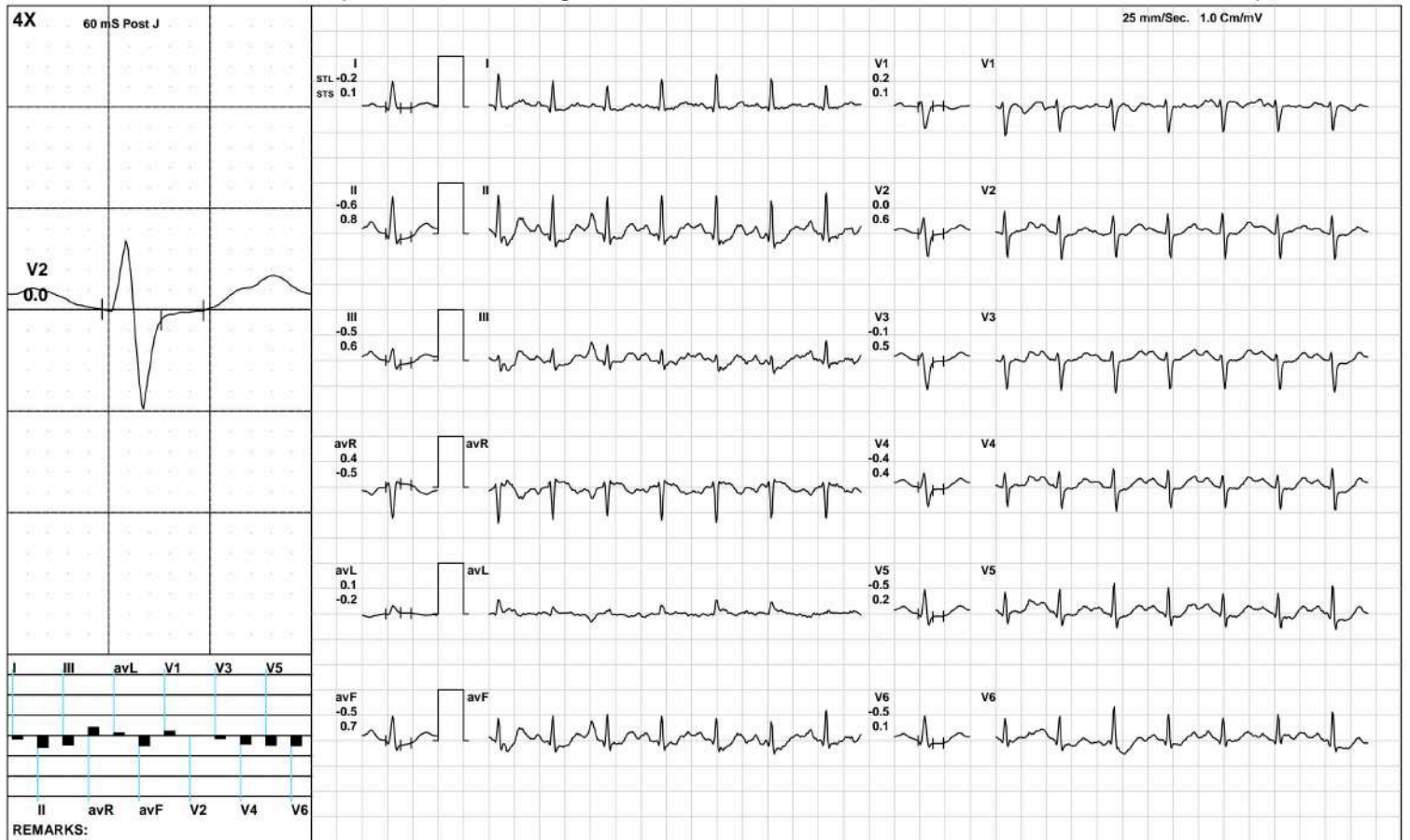
3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 136

Recovery(2:03)



Date: 02-Oct-2024 12:31:37 PM METS: 1.0/ 136 bpm 75% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

3224 / RENU KUMARI / 39 Yrs / F / 155 Cms / 52 Kg / HR : 88

ST Measurements



Date: 02-Oct-2024 12:31:37 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	0.3	0.4	0.1	-0.3	0.1	0.3	-0.1	0.7	0.3	0.5	0.7	0.3	0.3	0.6	0.3	-0.5	0.0	0.5	-0.2	0.7	0.3	0.4	0.4	0.4	
60 @mS Standing	0.3	0.4	0.1	-0.3	0.1	0.3	-0.1	0.7	0.3	0.5	0.7	0.3	0.3	0.6	0.3	-0.5	0.0	0.5	-0.2	0.7	0.3	0.4	0.4	0.4	
HV	0.3	0.4	0.1	-0.3	0.1	0.3	-0.1	0.7	0.3	0.5	0.7	0.3	0.3	0.6	0.3	-0.5	0.0	0.5	-0.2	0.7	0.3	0.4	0.4	0.4	
Warm Up	0.2	0.3	0.1	-0.3	0.1	0.2	-0.1	0.6	0.3	0.2	0.3	0.2	0.3	0.5	0.2	-0.4	0.0	0.3	0.0	0.7	0.4	0.5	0.4	0.3	
ExStart	0.2	0.3	0.1	-0.3	0.1	0.2	-0.1	0.6	0.3	0.2	0.3	0.2	0.3	0.5	0.2	-0.4	0.0	0.3	0.0	0.7	0.4	0.5	0.4	0.3	
Stage 1	0.2	-1.0	-1.3	0.4	0.9	-1.1	0.5	-0.3	-0.9	-1.1	-1.2	-0.9	0.2	0.0	0.0	0.0	0.2	0.0	1.1	0.5	0.6	0.3	0.0	0.5	
PeakEx	-0.3	-1.8	-1.5	1.1	0.4	-1.7	-0.3	-0.7	-1.0	-1.5	-1.6	-1.4	0.3	0.4	0.1	-0.3	-0.1	0.2	0.4	1.2	1.4	1.1	0.3	0.2	
Recovery	-0.2	-0.7	-0.5	0.5	0.1	-0.6	0.3	0.3	0.2	-0.1	-0.3	0.1	0.1	1.2	1.0	-0.7	-0.5	1.1	0.3	1.4	1.2	1.3	1.1	1.2	
Recovery	-0.2	-0.6	-0.5	0.4	0.3	-0.5	0.3	-0.1	0.0	-0.3	-0.4	-0.4	0.1	0.5	0.2	-0.3	0.1	0.5	0.2	0.8	0.7	0.7	0.6	0.3	
Recovery	-0.2	-0.6	-0.5	0.4	0.1	-0.5	0.2	0.0	-0.1	-0.4	-0.5	-0.5	0.1	0.8	0.6	-0.5	-0.2	0.7	0.1	0.6	0.5	0.4	0.2	0.1	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	
STI(μVs)													
Supine		3.4	4.6	1.2	-4.0	1.1	3.0	-1.7	6.6	2.5	4.9	6.0	3.4
Standing		3.4	4.6	1.2	-4.0	1.1	3.0	-1.7	6.6	2.5	4.9	6.0	3.4
HV		3.4	4.6	1.2	-4.0	1.1	3.0	-1.7	6.6	2.5	4.9	6.0	3.4
Warm Up		2.7	3.9	1.1	-3.3	0.7	2.5	-1.3	5.9	2.3	2.5	2.9	2.7
ExStart		2.7	3.9	1.1	-3.3	0.7	2.5	-1.3	5.9	2.3	2.5	2.9	2.7
Stage 1		0.6	-3.5	-4.6	1.2	2.8	-3.9	1.8	-1.2	-3.1	-4.0	-4.2	-2.8
PeakEx		-1.1	-6.7	-5.6	3.9	1.9	-6.2	-0.9	-2.9	-3.9	-5.8	-5.5	-5.2
Recovery		-1.7	-5.9	-4.3	3.8	0.9	-5.0	1.8	-0.7	-0.5	-2.6	-3.5	-1.4
Recovery		-1.1	-4.3	-3.2	2.8	1.8	-3.8	1.7	-1.2	-1.0	-2.6	-3.1	-2.6
Recovery		-1.3	-4.9	-3.7	3.2	0.9	-4.2	1.5	-0.7	-1.1	-2.5	-2.8	-3.3

Median Measurement Summary



3224 / RENU KUMARI / 39 Yrs / Female / 155 Cm / 52 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	117	158	54	33	350	234	713	-813	-494	-91	III	-145	0.00	0
01:00	122	164	66	36	390	217	672	-610	161	-94	III	-61	0.00	0
01:30	132	148	66	35	448	244	672	-599	131	-76	avF	-61	0.00	0
02:00	146	122	68	36	186	207	677	-614	146	-18	V6	-100	0.00	0
02:30	144	122	66	30	369	210	622	-586	-161	-139	III	-138	0.00	0
03:00	150	70	66	40	369	192	656	-605	156	-118	II	-93	0.00	0
03:30	150	116	66	37	191	242	700	-657	-144	-135	II	-125	0.00	0
04:00	162	116	66	36	172	185	670	-622	-176	-193	II	-161	0.00	0
04:30	165	106	64	32	383	196	646	-644	-207	-215	II	-183	0.00	0
05:00	168	104	66	19	193	222	621	-631	-222	-241	III	-178	0.00	0
05:30	171	88	66	17	178	194	624	-646	-246	-263	II	-200	0.00	0
06:00	174	96	66	24	207	196	663	-637	-201	-190	II	-145	0.00	0
06:30	172	100	64	28	187	197	663	-638	-192	-192	II	-149	0.00	0
07:00	159	114	64	26	413	254	650	-621	185	-152	II	-108	0.00	0
07:30	146	116	66	34	436	250	718	-613	218	-113	III	-75	0.00	0
08:00	142	122	54	29	442	252	724	-641	240	-172	II	-93	0.00	0



ISO 9001 : 2015

AAROGYAM DIAGNOSTICS

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

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Near Malahi Pakari Chowk, Kankarbagh, Patna – 20

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info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date 02/10/2024	Srl No. 8	Patient Id 2410020008
Name Mrs. RENU KUMARI	Age 38 Yrs.	Sex F
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



Date	02/10/2024	Srl No. 8	Patient Id 2410020008
Name	Mrs. RENU KUMARI	Age 38 Yrs.	Sex F
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	12.2	gm/dl	11.5 - 16.5
TOTAL LEUCOCYTE COUNT (TLC)	5,900	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	60	%	40 - 75
LYMPHOCYTE	33	%	20 - 45
EOSINOPHIL	02	%	01 - 06
MONOCYTE	05	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN's METHOD)	18	mm/1st hr.	0 - 20
R B C COUNT	4.14	Millions/cmm	3.8 - 4.8
P.C.V / HAEMATOCRIT	36.6	%	35 - 45
M C V	88.41	fl.	80 - 100
M C H	29.47	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	"A"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	88.3	mg/dl	70 - 110
SERUM CREATININE	0.90	mg%	0.5 - 1.3
BLOOD UREA	18.3	mg /dl	15.0 - 45.0
SERUM URIC ACID	3.77	mg%	2.5 - 6.0

LIVER FUNCTION TEST (LFT)



ISO 9001 : 2015
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 info@aarogyamdiagnostics.com
 www.aarogyamdiagnostics.com

Date	02/10/2024	Srl No.	8	Patient Id	2410020008
Name	Mrs. RENU KUMARI	Age	38 Yrs.	Sex	F
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.83	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.29	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.54	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.33	gm/dl	6.6 - 8.3
ALBUMIN	4.28	gm/dl	3.4 - 5.2
GLOBULIN	3.05	gm/dl	2.3 - 3.5
A/G RATIO	1.403		
SGOT	28.1	IU/L	5 - 35
SGPT	14.9	IU/L	5.0 - 45.0
ALKALINE PHOSPHATASE IFCC Method	69.1	U/L	35.0 - 104.0
GAMMA GT	26.2	IU/L	6.0 - 42.0
LFT INTERPRET			
<u>LIPID PROFILE</u>			
TRIGLYCERIDES	94.3	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	149.8	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	39.9	mg/dL	35.1 - 88.0
V L D L	18.86	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	91.04	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.754		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	2.282		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



Date	02/10/2024	Srl No.	8	Patient Id	2410020008
Name	Mrs. RENU KUMARI	Age	38 Yrs.	Sex	F
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.030		
PH	6.5		
ALBUMIN	NIL		
SUGAR	NIL		
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 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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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 02/10/2024	Srl No. 8	Patient Id 2410020008
Name Mrs. RENU KUMARI	Age 38 Yrs.	Sex F
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 02/10/2024	Srl No. 8	Patient Id 2410020008
Name Mrs. RENU KUMARI	Age 38 Yrs.	Sex F
Ref. By Dr.BOB		

Test Name	Value	Unit	Normal Value
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BIOCHEMISTRY

BLOOD SUGAR PP	112.9	mg/dl	80 - 160
BOB			

**** 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



41004100078

TEST REPORT

Reg.No : 41004100078	Reg.Date : 04-Oct-2024 19:17	Collection : 04-Oct-2024 19:17
Name : RENU KUMARI		Received : 04-Oct-2024 19:17
Age : 38 Years	Sex : Female	Report : 04-Oct-2024 20:42
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 04-Oct-2024 21:02
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine), Total <small>CMIA</small>	0.80	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CMIA</small>	7.02	µg/dL	5.5 - 11.0
TSH (Thyroid stimulating hormone) <small>CMIA</small>	H 5.014	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 Eddition. Philadelphia: WB Saunders,2012:2170

----- End Of Report -----

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