

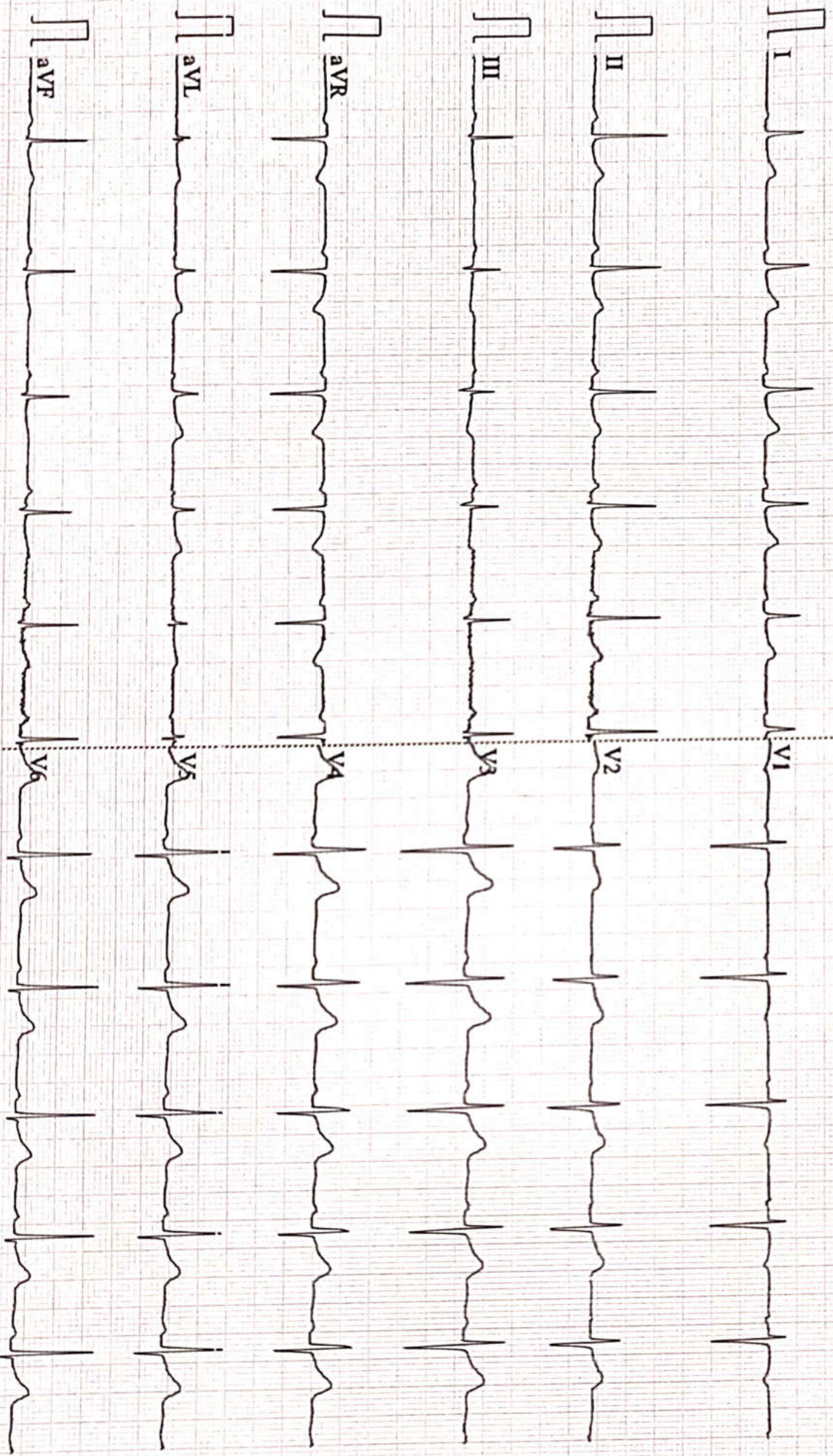
ID: 56
SHWETA PURUSHOTTAM
Female 36Years

20-08-2023 11:08:50 AM

Diagnosis Information:
Sinus Arrhythmia

HR : 69 bpm
P : 96 ms
PR : 165 ms
QRS : 73 ms
QT/QTc : 393/423 ms
P/QRS/T : 62/46/19 °
RV5/SV1 : 1.075/1.030 mV

Ref-Phys. :
Report Confirmed by:





Name :- Shweta Purushottam
Pt's ID :- 18/40375
Refd by :- SELF

Age/Sex:-36Yrs/F
Date :-20/08/23

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Normal in size(12.7cm) 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 approx 9.5mm) with posterior acoustic shadows seen within G.B. Lumen.** wall appears normal 2.2mm.
- 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(9.5cm) with normal echotexture. No focal lesion is seen. No evidence of varices is noticed.
- Kidneys** :- Left kidney is 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 is normal in shape, size & position. **PCS mild dilated with a small calculus of measuring size 4.2mm seen in mid renal calyx.** CMD intact.
Right Kidney measures 10.8cm and Left Kidney measures 10.7cm.
- 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 4.2cm) and anteverted in position with normal myometrial echotexture and endometrial thickness.
- Ovaries** :- Right Ovary show normal echotexture and follicular pattern. Right ovary measures 3.0cm x 2.5cm and Left ovary not visualized.
No pelvic (POD) collection is seen.
- Others** :- No ascites or abdominal adenopathy is seen.
No free subphrenic / basal pleural space collection is seen.

IMPRESSION:- *Grade I Fatty Liver.
Cholelithiasis without Cholecystitis.
Right Mild HDN with A Small Renal Calculus.
Otherwise Normal Scan.*

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



ISO 9001 : 2015

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Near Malahi Pakari Chowk, Kankarbagh, Patna – 20

9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	20/08/2023	Srl No.	1	Patient Id	2308200001
Name	Mrs. SHWETA PURUSHOTTAM	Age	36 Yrs.	Sex	F
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	5.4	%	

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



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Date	20/08/2023	Srl No. 1	Patient Id 2308200001
Name	Mrs. SHWETA PURUSHOTTAM	Age 36 Yrs.	Sex F
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	12.3	gm/dl	11.5 - 16.5
TOTAL LEUCOCYTE COUNT (TLC)	7,100	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	65	%	40 - 75
LYMPHOCYTE	30	%	20 - 45
EOSINOPHIL	02	%	01 - 06
MONOCYTE	03	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN' s METHOD)	16	mm/1st hr.	0 - 20
R B C COUNT	4.10	Millions/cmm	3.8 - 4.8
P.C.V / HAEMATOCRIT	36.9	%	35 - 45
M C V	90	fl.	80 - 100
M C H	30	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	2.07	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"AB"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	105.3	mg/dl	70 - 110
SERUM CREATININE	0.86	mg%	0.5 - 1.3
BLOOD UREA	20.0	mg /dl	15.0 - 45.0
SERUM URIC ACID	5.4	mg%	2.5 - 6.0
<u>LIVER FUNCTION TEST (LFT)</u>			



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Date	20/08/2023	Srl No. 1	Patient Id 2308200001
Name	Mrs. SHWETA PURUSHOTTAM	Age 36 Yrs.	Sex F
Ref. By Dr.BOB			

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.65	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.20	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.45	mg/dl	0.00 - 0.70
TOTAL PROTEIN	6.6	gm/dl	6.6 - 8.3
ALBUMIN	3.4	gm/dl	3.4 - 5.2
GLOBULIN	3.2	gm/dl	2.3 - 3.5
A/G RATIO	1.063		
SGOT	26.3	IU/L	5 - 35
SGPT	29.9	IU/L	5.0 - 45.0
ALKALINE PHOSPHATASE IFCC Method	74.0	U/L	35.0 - 104.0
GAMMA GT	22.8	IU/L	6.0 - 42.0

LFT INTERPRET

LIPID PROFILE

TRIGLYCERIDES	87.3	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	130.1	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	49.5	mg/dL	35.1 - 88.0
V L D L	17.46	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	63.14	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	2.628		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.276		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



Date	20/08/2023	Srl No. 1	Patient Id 2308200001
Name	Mrs. SHWETA PURUSHOTTAM	Age 36 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	1-3	/HPF	
RBC'S	NIL	/HPF	
CASTS	NIL		
CRYSTALS	NIL		
EPITHELIAL CELLS	2-4	/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	20/08/2023	Srl No.	1	Patient Id	2308200001
Name	Mrs. SHWETA PURUSHOTTAM	Age	36 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

AAROGYAM DIAGNOSTICS
PATNA

Report



(GEM212170906)(R)Kardic by Allengers

2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg Date: 20-Aug-2023 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	87	47 %	120/80	104	00	
Standing	00:10	0:01	00.0	00.0	01.0	85	46 %	120/80	102	00	
HV	00:21	0:01	00.0	00.0	01.0	081	44 %	120/80	097	00	
Warm Up	00:34	0:01	01.0	00.0	01.0	089	48 %	120/80	106	00	
ExStart	01:07	0:06	01.7	10.0	01.1	098	53 %	120/80	117	00	
BRUCE/ Stage 1	04:07	3:00	01.7	10.0	04.7	146	79 %	125/85	182	00	
BRUCE/ Stage 2	07:07	3:00	02.5	12.0	07.1	172	93 %	130/90	223	00	
PeakEx	07:14	0:07	03.4	14.0	07.2	173	94 %	130/90	224	00	
Recovery	08:13	1:00	01.1	00.0	01.2	157	85 %	125/85	196	00	
Recovery	09:13	2:00	01.1	00.0	01.0	138	75 %	120/80	165	00	
Recovery	09:19	2:05	01.1	00.0	01.0	138	75 %	120/80	165	00	

Findings :

Exercise Time : 06:08
 Max HR Attained : 176 bpm 96% of Target 184
 Max BP Attained : (Sys) 130/90
 Max WorkLoad Attained : 7.2 Fair response to induced stress
 Max ST Dep Lead & Value : II & -1.1 mm in Stage 2 mm
 Test End Reasons : Test Complete, Test Complete, Test Complete

Report :

AAROGYAM DIAGNOSTICS

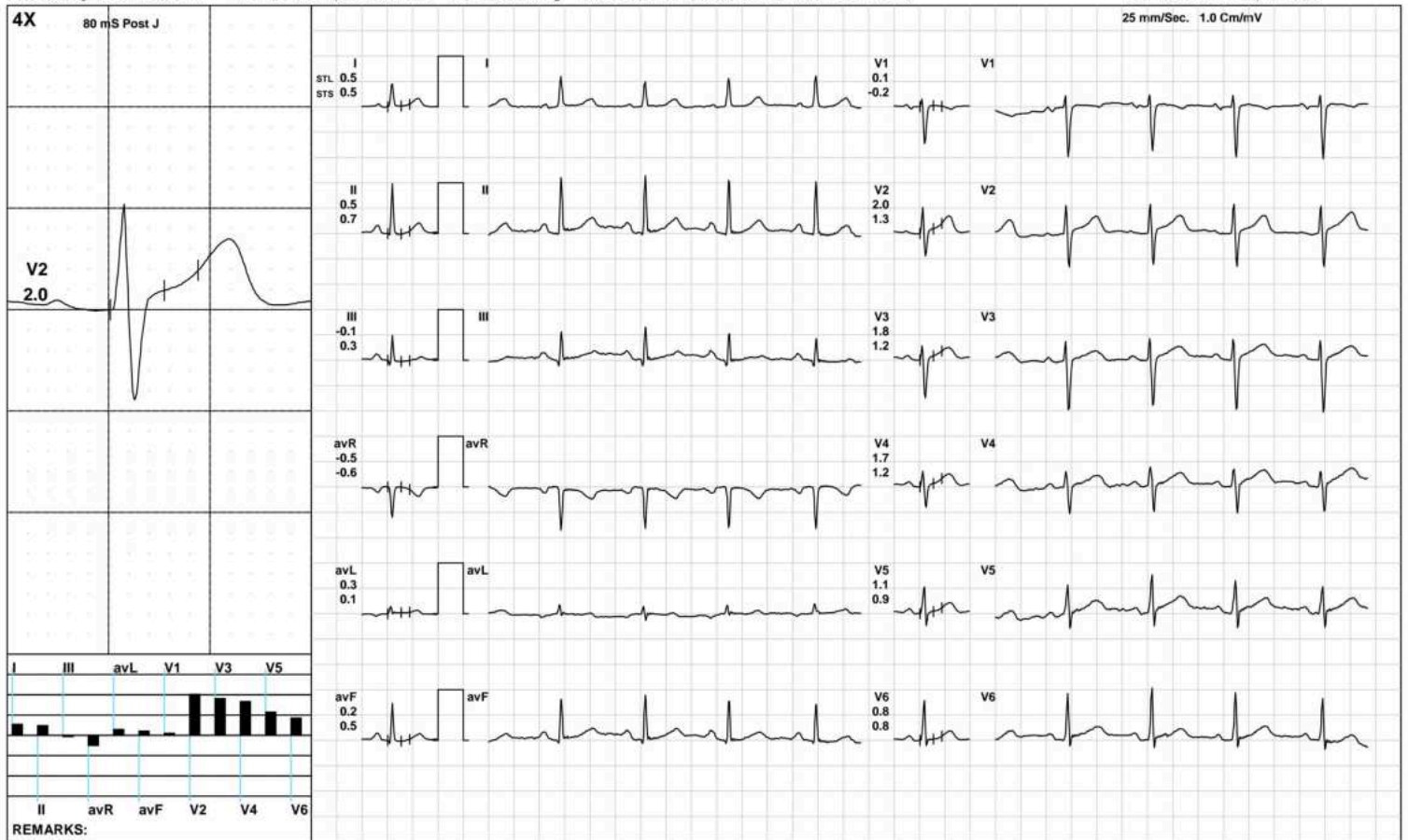
Supine



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 87

Date: 20-Aug-2023 11:26:42 AM METS: 1.0/ 87 bpm 47% 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

AAROGYAM DIAGNOSTICS

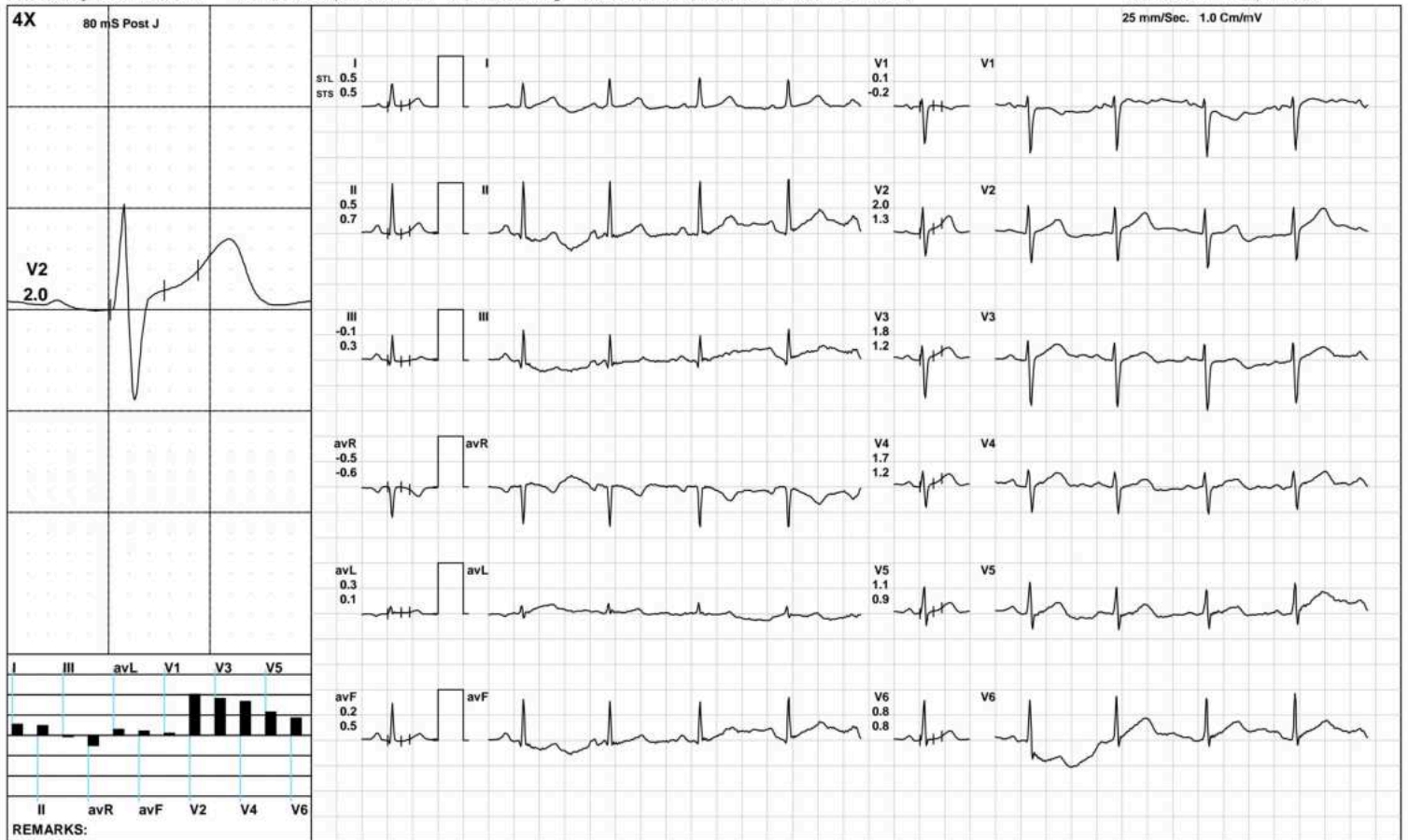
Standing



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 85

Date: 20-Aug-2023 11:26:42 AM METS: 1.0/ 85 bpm 46% of THR BP: 120/80 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

AAROGYAM DIAGNOSTICS

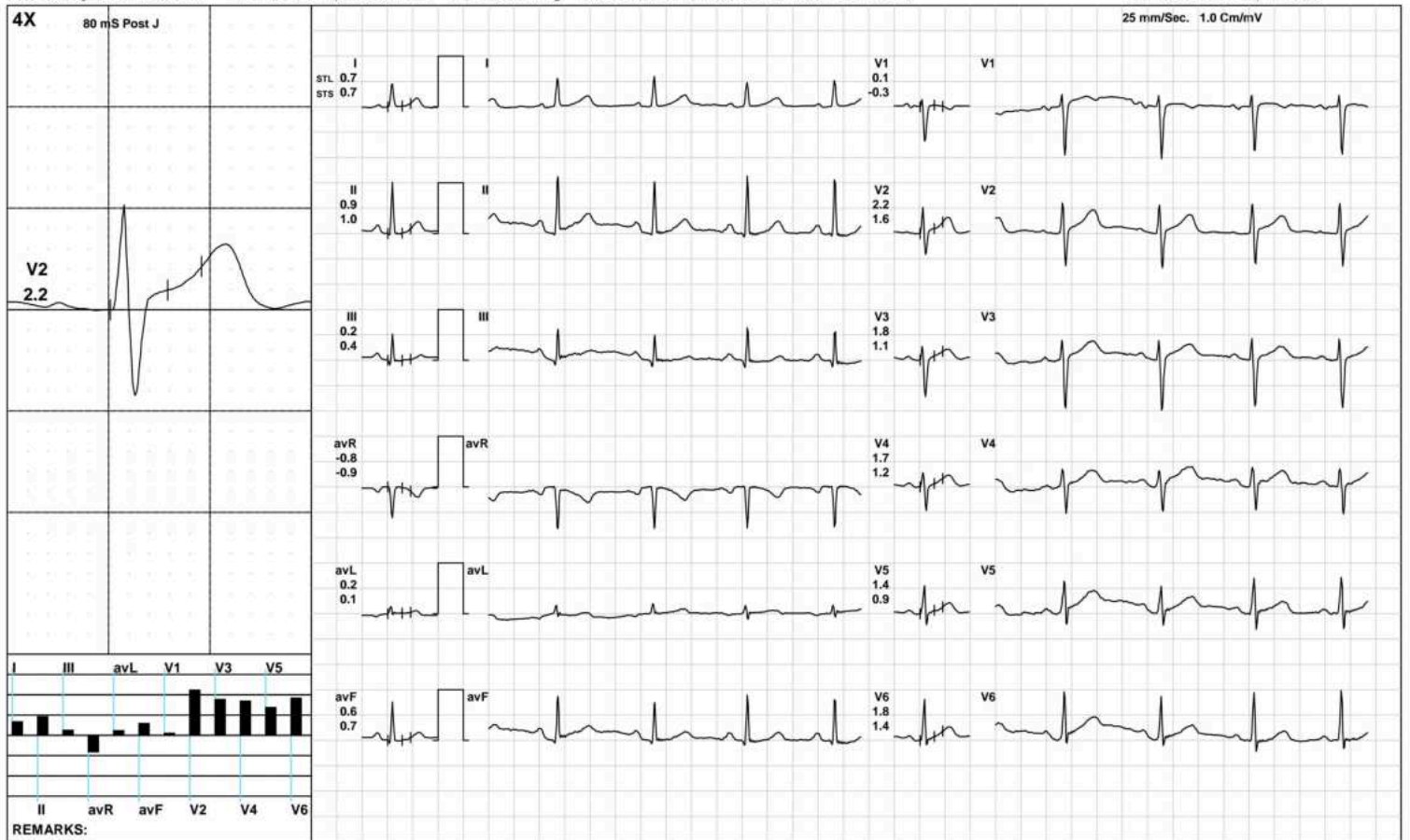
HV



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 81

Date: 20-Aug-2023 11:26:42 AM METS: 1.0/ 81 bpm 44% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:21 0.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

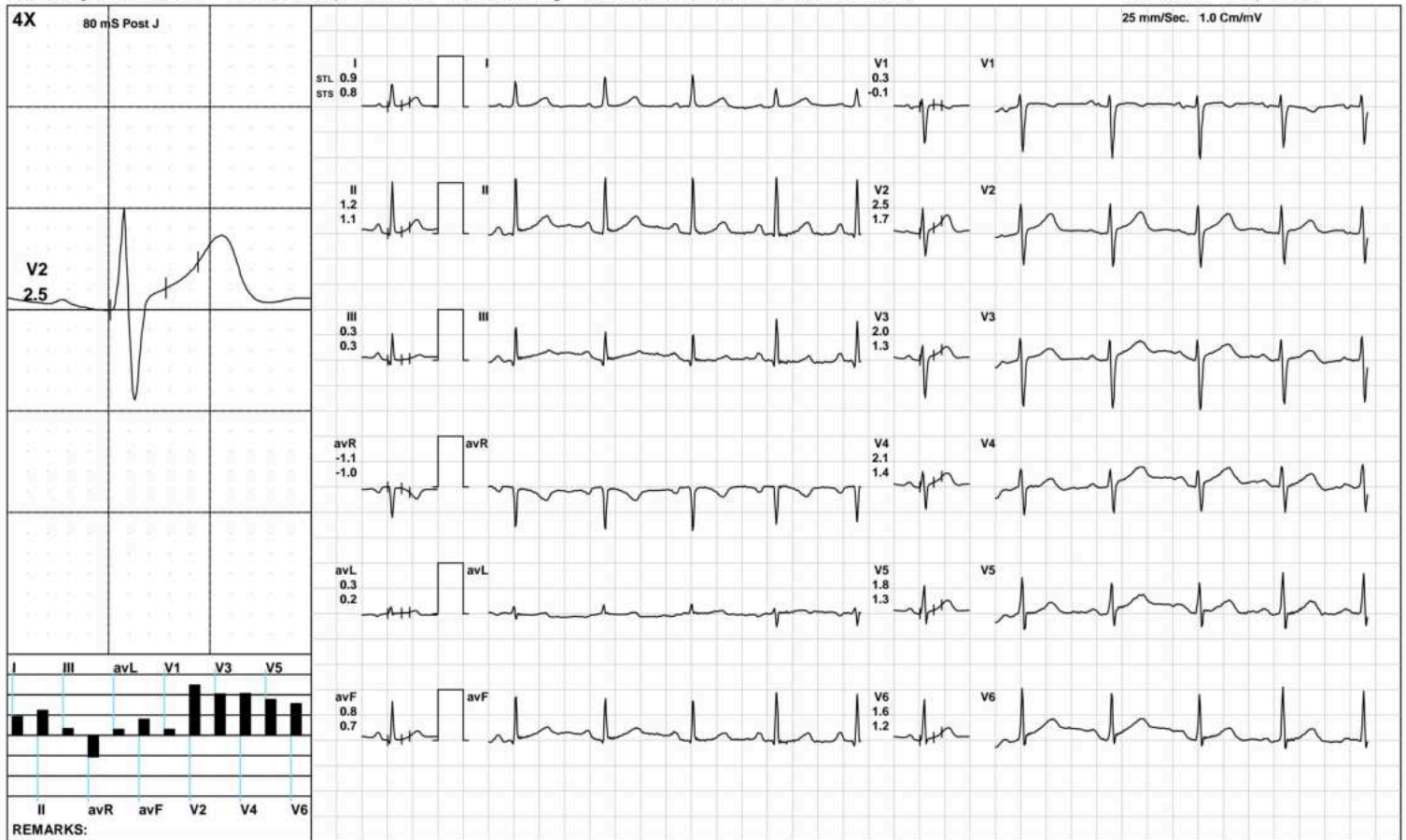
Warm Up



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 89

Date: 20-Aug-2023 11:26:42 AM METS: 1.0/ 89 bpm 48% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:34 1.0 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

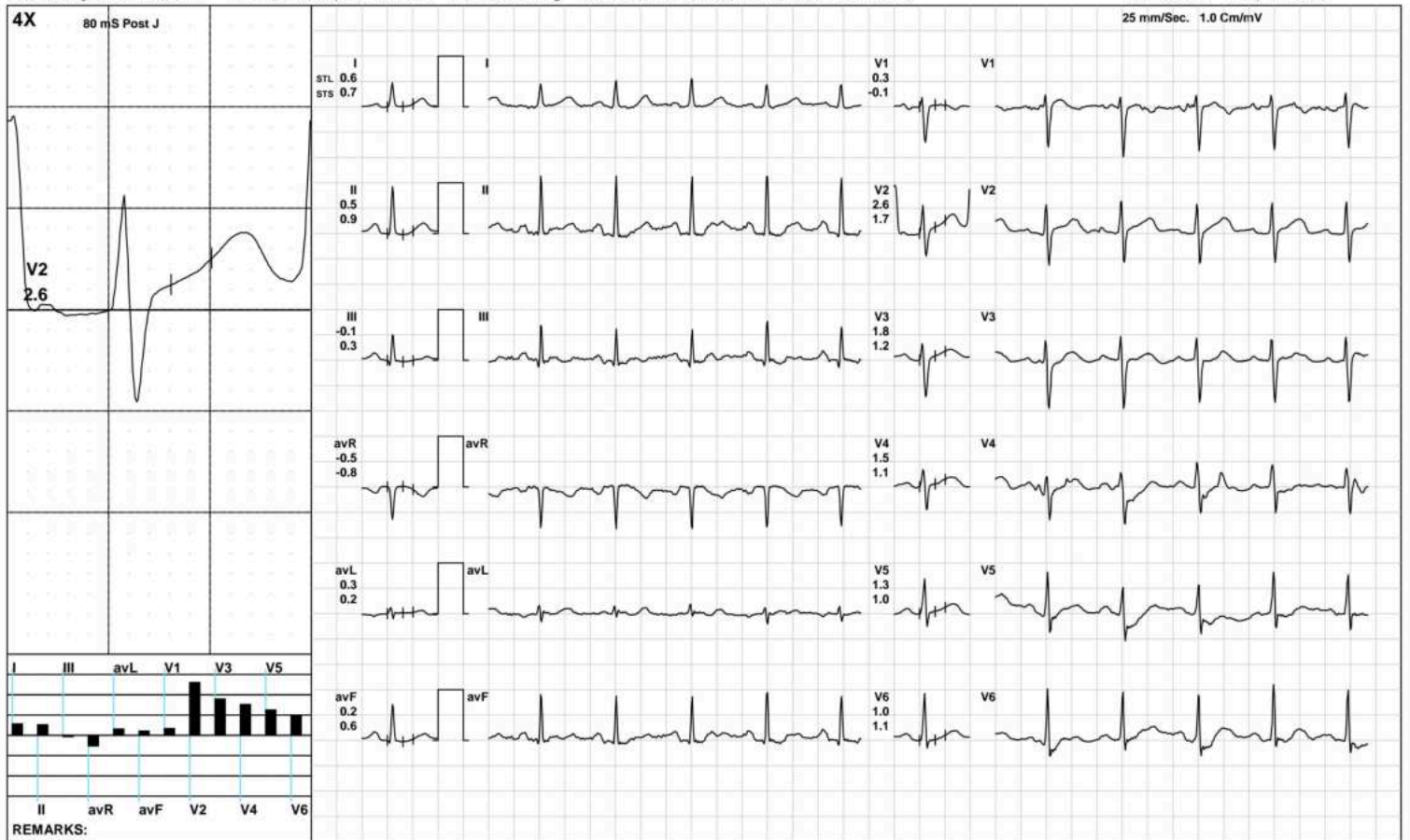
ExStart



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 98

Date: 20-Aug-2023 11:26:42 AM METS: 1.1/ 98 bpm 53% 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

AAROGYAM DIAGNOSTICS

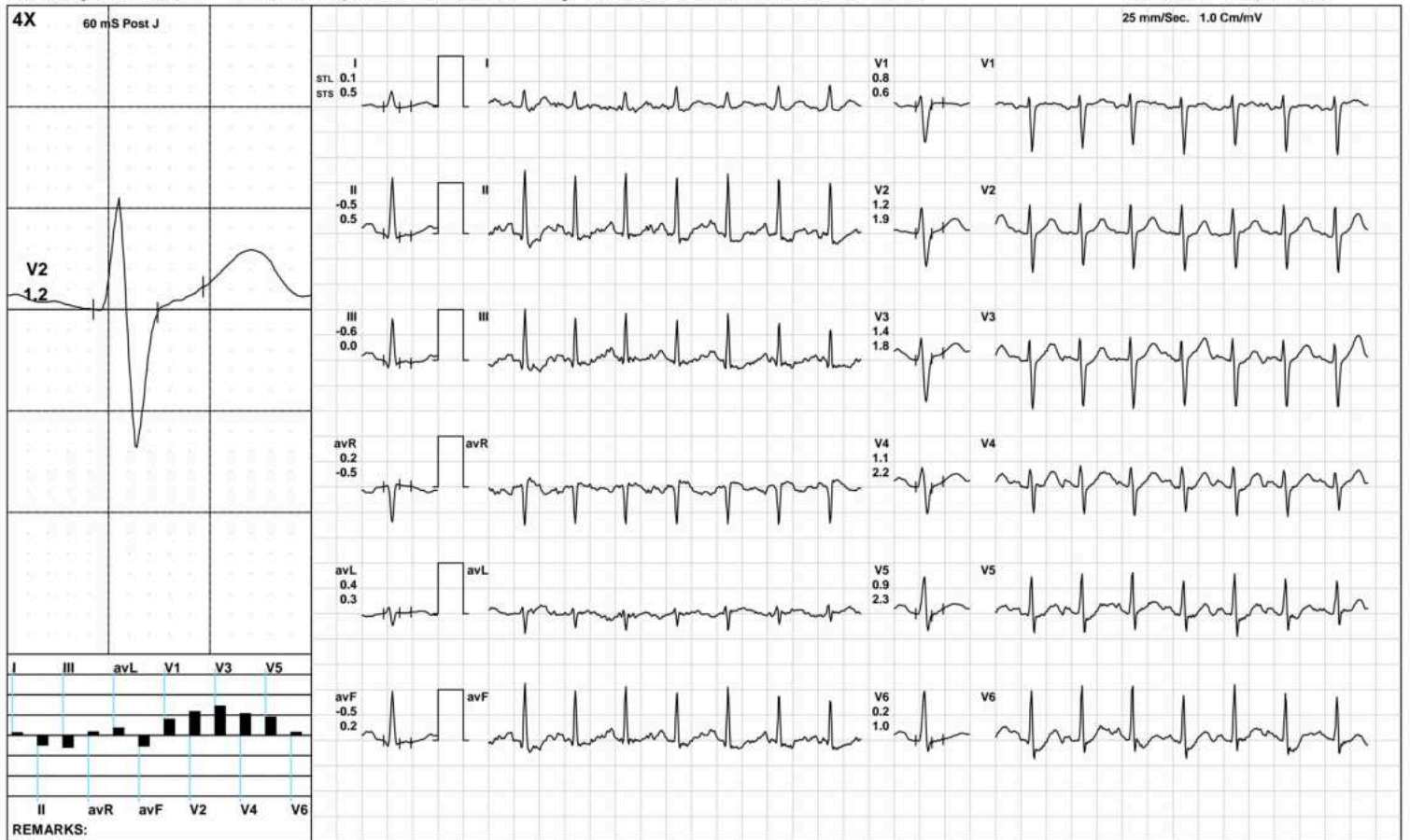
BRUCE: Stage 1(3:00)



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 146

Date: 20-Aug-2023 11:26:42 AM METS: 4.7/ 146 bpm 79% 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

AAROGYAM DIAGNOSTICS

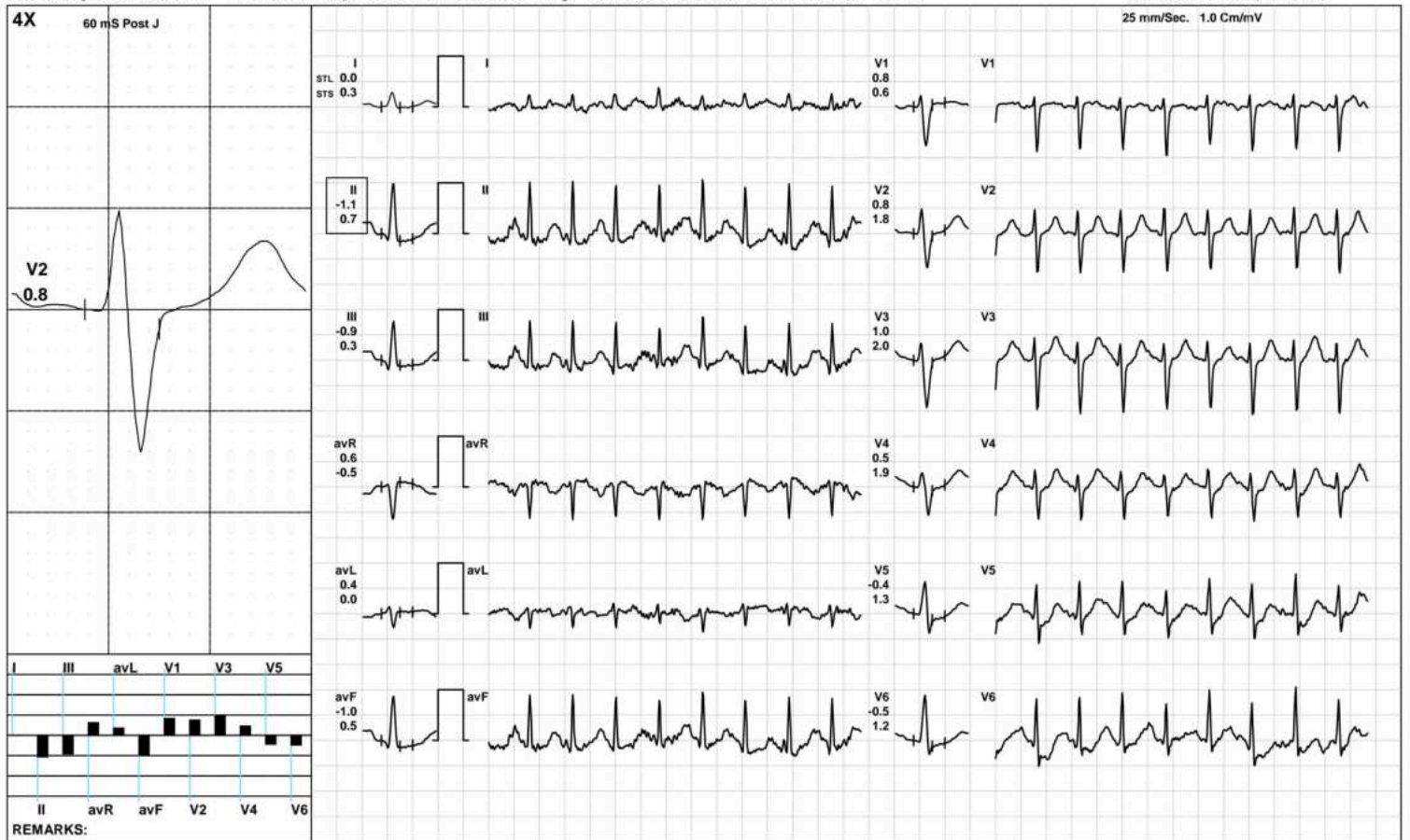
BRUCE/:Stage 2(3:00)



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 172

Date: 20-Aug-2023 11:26:42 AM METS: 7.1/ 172 bpm 93% 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

AAROGYAM DIAGNOSTICS

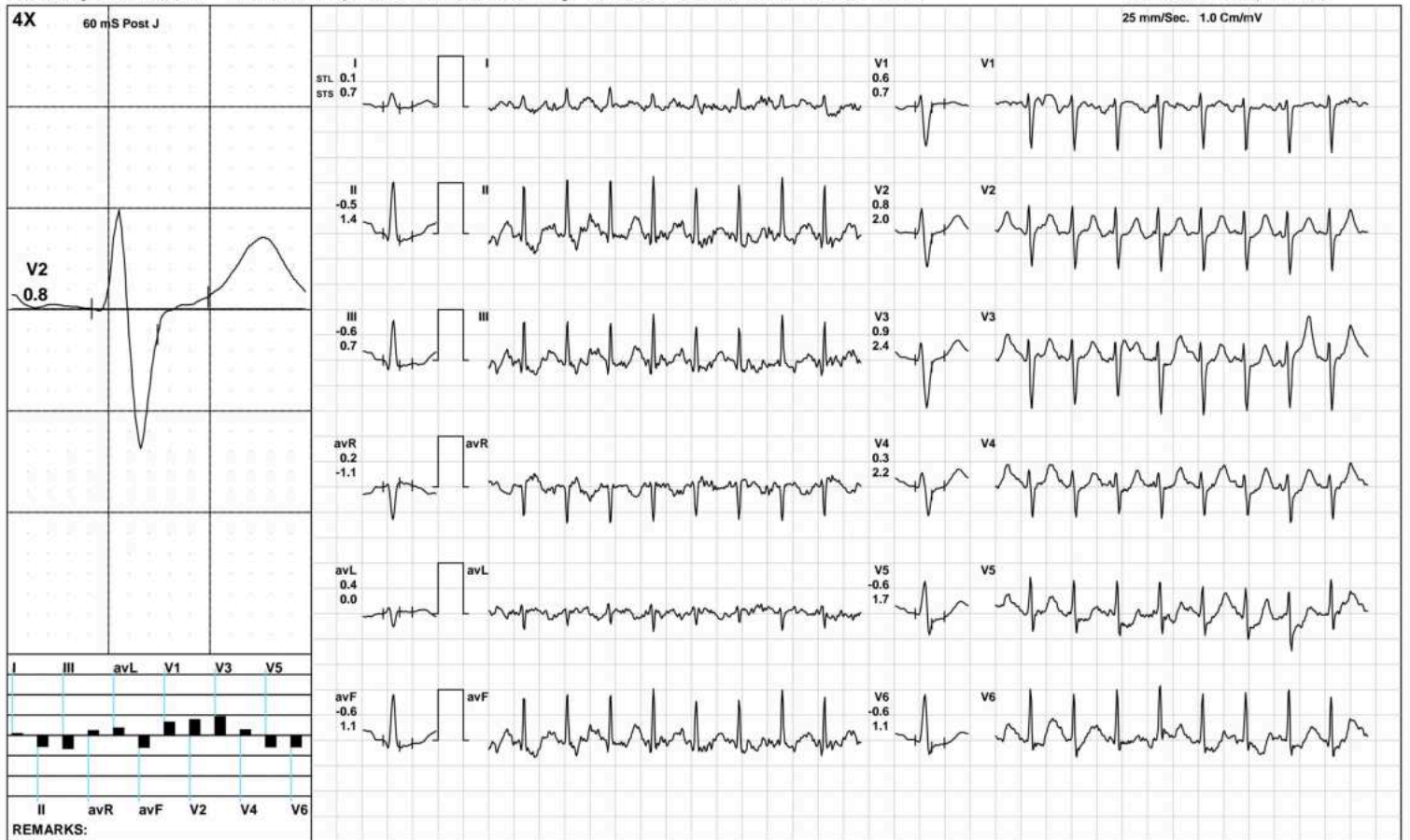
PeakEx



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 173

Date: 20-Aug-2023 11:26:42 AM METS: 7.2/ 173 bpm 94% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:07 3.4 mph, 14.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

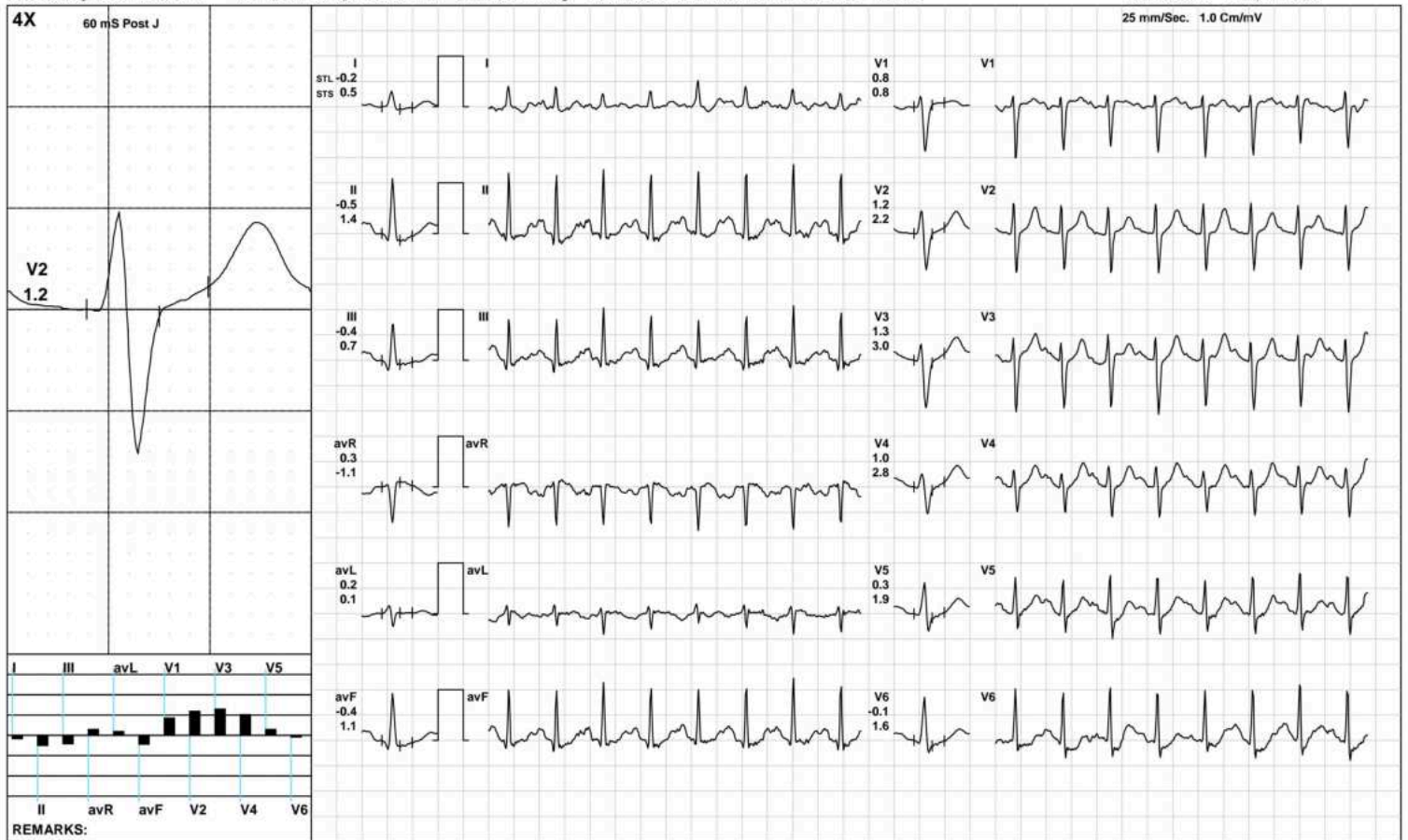
Recovery(1:00)



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 157

Date: 20-Aug-2023 11:26:42 AM METS: 1.2/ 157 bpm 85% of THR BP: 125/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:08 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

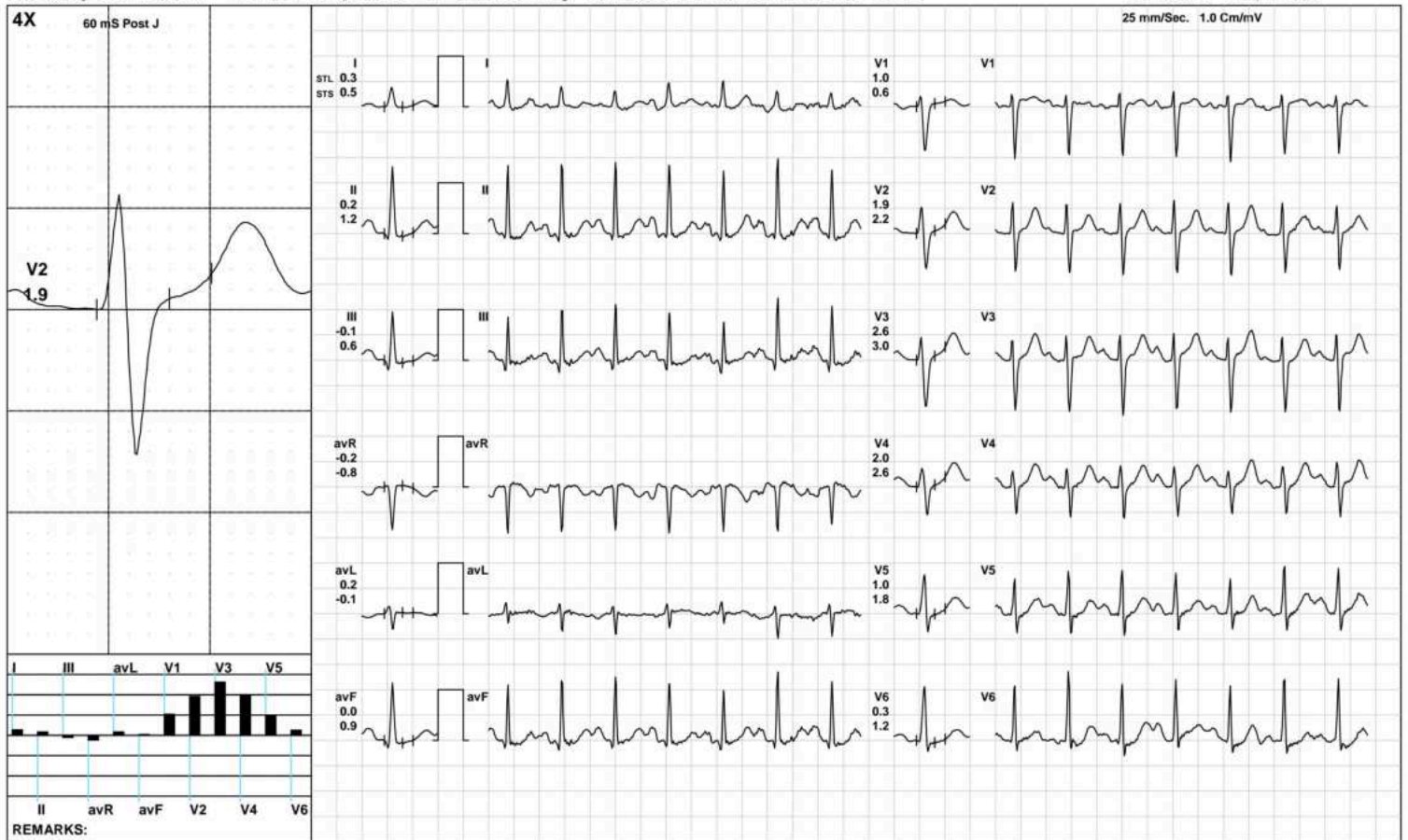
Recovery(2:00)



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 138

Date: 20-Aug-2023 11:26:42 AM METS: 1.0/ 138 bpm 75% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:08 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

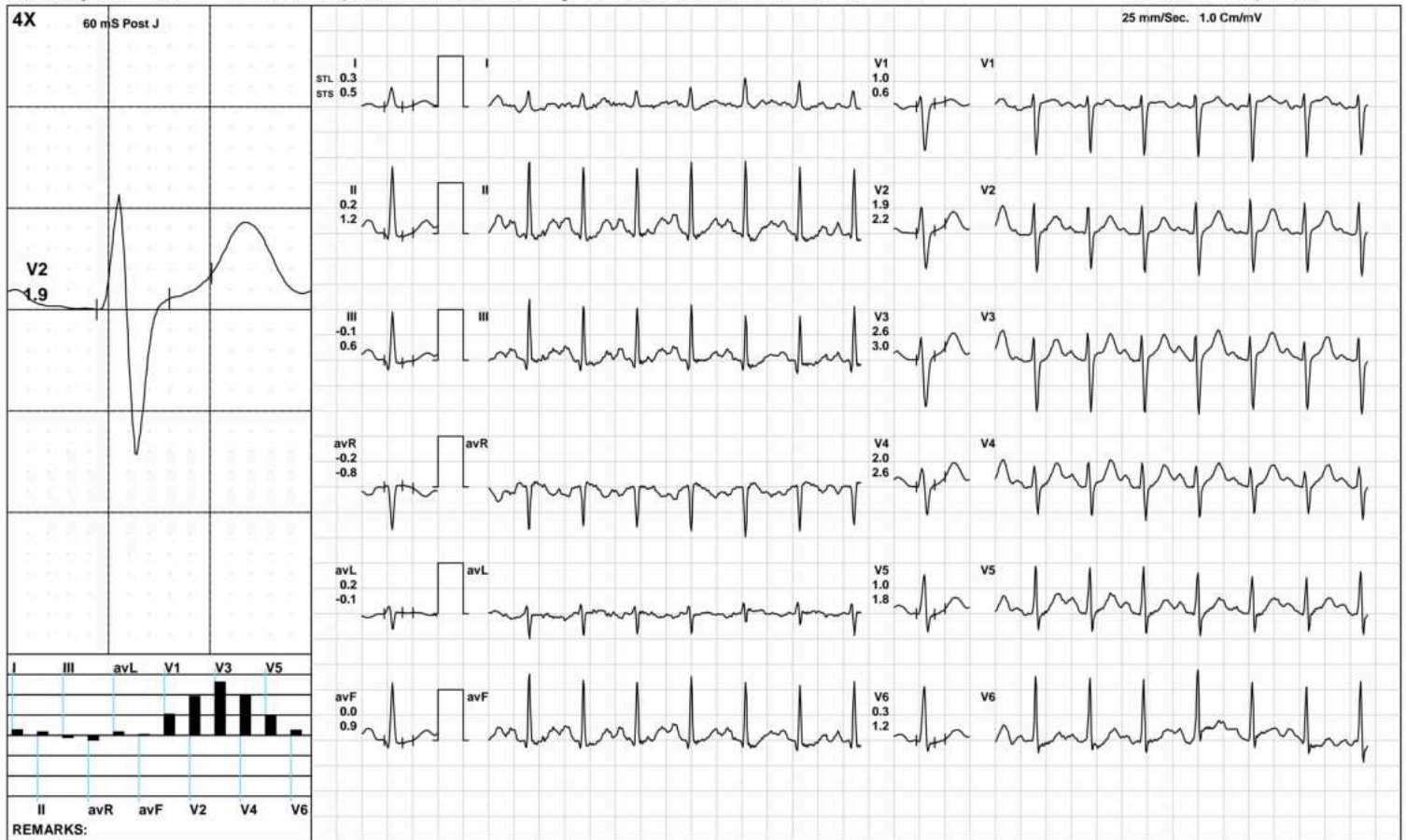
Recovery(2:05)



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 138

Date: 20-Aug-2023 11:26:42 AM METS: 1.0/ 138 bpm 75% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:08 1.1 mph, 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DIAGNOSTICS

ST Measurements



2209 / SHWETA PURUSHOSAM / 36 Yrs / F / 170 Cms / 92 Kg / HR : 99

Date: 20-Aug-2023 11:26:42 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	0.5	0.5	-0.1	-0.5	0.3	0.2	0.1	2.0	1.8	1.7	1.1	0.8	0.5	0.7	0.3	-0.6	0.1	0.5	-0.2	1.3	1.2	1.2	0.9	0.8	
60 @mS Standing	0.5	0.5	-0.1	-0.5	0.3	0.2	0.1	2.0	1.8	1.7	1.1	0.8	0.5	0.7	0.3	-0.6	0.1	0.5	-0.2	1.3	1.2	1.2	0.9	0.8	
HV	0.5	0.5	-0.1	-0.5	0.3	0.2	0.1	2.0	1.8	1.7	1.1	0.8	0.5	0.7	0.3	-0.6	0.1	0.5	-0.2	1.3	1.2	1.2	0.9	0.8	
Warm Up	0.9	1.2	0.3	-1.1	0.3	0.8	0.3	2.5	2.0	2.1	1.8	1.6	0.8	1.1	0.3	-1.0	0.2	0.7	-0.1	1.7	1.3	1.4	1.3	1.2	
ExStart	0.6	0.5	-0.1	-0.5	0.3	0.2	0.3	2.6	1.8	1.5	1.3	1.0	0.7	0.9	0.3	-0.8	0.2	0.6	-0.1	1.7	1.2	1.1	1.0	1.1	
Stage 1	0.1	-0.5	-0.6	0.2	0.4	-0.5	0.8	1.2	1.4	1.1	0.9	0.2	0.5	0.5	0.0	-0.5	0.3	0.2	0.6	1.9	1.8	2.2	2.3	1.0	
Stage 2	0.0	-1.1	-0.9	0.6	0.4	-1.0	0.8	0.8	1.0	0.5	-0.4	-0.5	0.3	0.7	0.3	-0.5	0.0	0.5	0.6	1.8	2.0	1.9	1.3	1.2	
PeakEx	0.1	-0.5	-0.6	0.2	0.4	-0.6	0.6	0.8	0.9	0.3	-0.6	-0.6	0.7	1.4	0.7	-1.1	0.0	1.1	0.7	2.0	2.4	2.2	1.7	1.1	
Recovery	-0.2	-0.5	-0.4	0.3	0.2	-0.4	0.8	1.2	1.3	1.0	0.3	-0.1	0.5	1.4	0.7	-1.1	0.1	1.1	0.8	2.2	3.0	2.8	1.9	1.6	
Recovery	0.3	0.2	-0.1	-0.2	0.2	0.0	1.0	1.9	2.6	2.0	1.0	0.3	0.5	1.2	0.6	-0.8	-0.1	0.9	0.6	2.2	3.0	2.6	1.8	1.2	
Recovery	0.3	0.2	-0.1	-0.2	0.2	0.0	1.0	1.9	2.6	2.0	1.0	0.3	0.5	1.2	0.6	-0.8	-0.1	0.9	0.6	2.2	3.0	2.6	1.8	1.2	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	
STI(μVs)													
Supine		5.7	5.5	-0.1	-5.5	2.9	2.7	0.4	17.1	14.2	13.4	10.0	7.5
Standing		5.7	5.5	-0.1	-5.5	2.9	2.7	0.4	17.1	14.2	13.4	10.0	7.5
HV		5.7	5.5	-0.1	-5.5	2.9	2.7	0.4	17.1	14.2	13.4	10.0	7.5
Warm Up		8.3	11.7	3.4	-9.9	2.5	7.7	1.1	19.7	15.5	15.7	14.1	12.8
ExStart		4.0	3.7	-0.5	-3.8	2.2	1.6	2.3	19.0	12.6	10.7	9.1	7.1
Stage 1		-0.2	-2.5	-2.2	1.3	1.0	-2.3	4.3	3.7	6.0	3.0	1.8	-0.2
Stage 2		-0.4	-8.2	-6.5	5.0	2.4	-7.4	4.1	1.1	2.0	-0.8	-5.7	-5.1
PeakEx		-1.2	-6.9	-5.8	4.0	2.3	-6.3	3.5	1.3	1.5	-2.3	-6.8	-5.5
Recovery		-2.0	-6.3	-3.9	4.3	0.8	-5.0	4.1	3.3	2.7	1.1	-2.1	-3.6
Recovery		0.5	-1.1	-1.6	0.3	1.0	-1.3	5.2	7.2	10.2	6.9	2.4	-0.7
Recovery		0.5	-1.1	-1.6	0.3	1.0	-1.3	5.2	7.2	10.2	6.9	2.4	-0.7

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)
00:30	99	102	44	59	455	987	1120	-936	908	-48	III	-48	0.00	0	0
01:00	107	224	64	63	459	184	1151	-892	329	-37	III	-26	0.00	0	0
01:30	122	166	48	65	480	199	1101	-858	258	-71	III	-63	0.00	0	0
02:00	136	140	72	-12	459	3546	3710	-2660	3565	-909	III	-889	0.00	0	0
02:30	146	130	70	68	439	195	1107	-894	255	-102	III	-80	0.00	0	0
03:00	147	120	68	70	435	226	1079	-919	295	-97	III	-61	0.00	0	0
03:30	147	76	64	71	435	216	1115	-928	325	-95	III	-66	0.00	0	0
04:00	154	128	68	68	322	207	1101	-896	309	-116	III	-102	0.00	0	0
04:30	162	88	48	71	409	224	1044	-915	945	-125	II	-121	0.00	0	0
05:00	168	98	64	71	339	194	991	-949	325	-212	V6	-146	0.00	0	0
05:30	172	98	46	73	334	227	1017	-948	336	-280	V6	-120	0.00	0	0
06:00	171	104	66	73	321	249	1032	-945	411	-182	II	-135	0.00	0	0
06:30	171	98	48	75	335	209	1015	-941	375	-187	II	-143	0.00	0	0
07:00	175	104	62	-6	326	4621	4726	-3737	4587	-607	III	-603	0.00	0	0
07:30	167	106	68	72	315	230	1094	-964	433	-138	III	-80	0.00	0	0
08:00	153	110	66	71	419	255	1267	-964	485	-98	III	-45	0.00	0	0
08:30	142	128	68	72	410	250	1318	-1002	539	-95	avF	-28	0.00	0	0

मेरा आधार, मेरी पहचान



भारत सरकार

Government of India



श्वेता पुरुषोत्तम

Shweta Purushottam

जन्म तिथि / DOB : 10/06/1986

महिला / Female



2894 5688 0733

मेरा आधार, मेरी पहचान



MC-2024



30804100436

TEST REPORT

Reg.No : 30804100436	Reg.Date : 21-Aug-2023 12:40	Collection : 21-Aug-2023 12:40
Name : SHWETA PURUSHOTTAM		Received : 21-Aug-2023 12:40
Age : 36 Years	Sex : Female	Report : 21-Aug-2023 13:59
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 21-Aug-2023 14:19
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine)	0.91	ng/mL	0.6 - 1.52
T4 (Thyroxine) <small>CMIA</small>	8.49	µg/dL	5.5 - 11.0
TSH (ultra sensitive) <small>CMIA</small>	1.969	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 AroraM.D. Biochemistry
Reg. No.:- G-32999