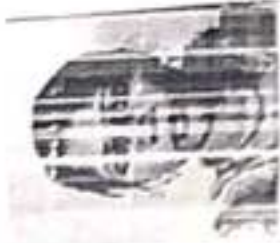




भारत सरकार

Government of India



कामत सिंग
Dimple Singh
एन एम/डीए, २०/०५/१९८३
स्त्री/ FEMALE



9261 0451 7932

MP 21AB 5109.0927.3004

भारत आभार, जेडी पेशागत

ID: 106

DIMPAL SINGH

Female 40Months

15-09-2023 10:38:31 AM

HR : 84 bpm

P : 94 ms

PR : 121 ms

QRS : 84 ms

QT/QTc : 339/402 ms

PQRS/T : 64/47/46 °

RV5/SV1 : 2.002/1.143 mV

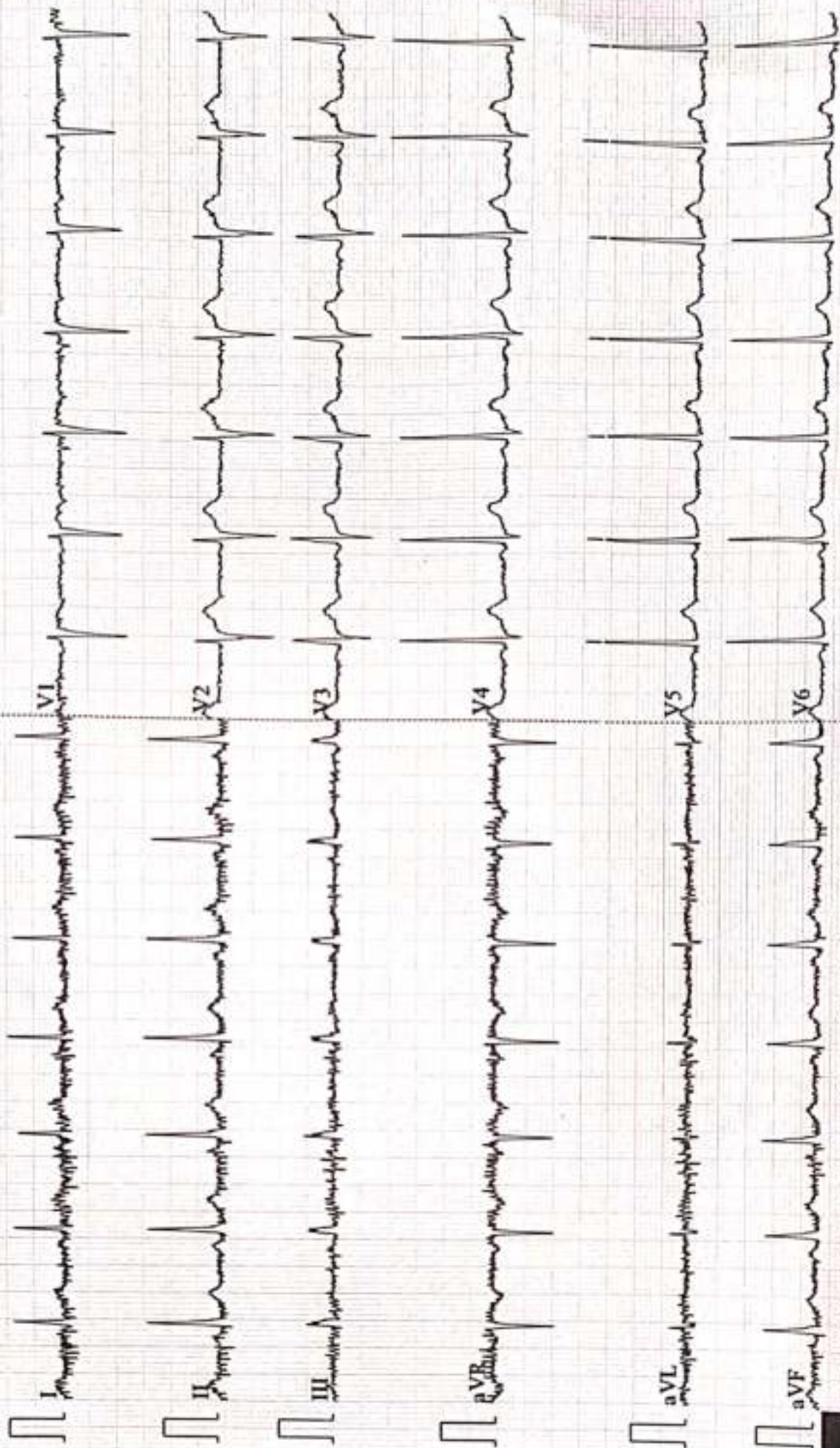
Diagnosis Information:

Sinus Rhythm

Prolonged P-wave

Ref-Phys. :

Report Confirmed by:





ISO 9001 : 2015

AAROGYAM DIAGNOSTICS

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

F- 41, PC. Colony, Opp. Madhuban Complex,
Near Malahi Pakari Chowk, Kankarbagh, Patna - 20

9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	15/09/2023	Srl No.	2	Patient Id	2309150002
Name	Mrs. DIMPAL SINGH	Age	40 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



ISO 9001 : 2015

AAROGYAM DIAGNOSTICS

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

F- 41, PC. Colony, Opp. Madhuban Complex,
Near Malahi Pakari Chowk, Kankarbagh, Patna - 20

9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	15/09/2023	Srl No.	2	Patient Id	2309150002
Name	Mrs. DIMPAL SINGH	Age	40 Yrs.	Sex	F
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	12.6	gm/dl	11.5 - 16.5
TOTAL LEUCOCYTE COUNT (TLC)	6,000	/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)	14	mm/1st hr.	0 - 20
R B C COUNT	4.60	Millions/cmm	3.8 - 4.8
P.C.V / HAEMATOCRIT	37.8	%	35 - 45
M C V	82.17	fl.	80 - 100
M C H	27.39	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	1.98	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"O"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	82.3	mg/dl	70 - 110
SERUM CREATININE	0.81	mg%	0.5 - 1.3
BLOOD UREA	18.2	mg /dl	15.0 - 45.0
SERUM URIC ACID	5.4	mg%	2.5 - 6.0
<u>LIVER FUNCTION TEST (LFT)</u>			



ISO 9001 : 2015

AAROGYAM DIAGNOSTICS

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

F- 41, PC. Colony, Opp. Madhuban Complex,
Near Malahi Pakari Chowk, Kankarbagh, Patna - 20

9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	15/09/2023	Srl No.	2	Patient Id	2309150002
Name	Mrs. DIMPAL SINGH	Age	40 Yrs.	Sex	F
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.60	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.20	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.4	mg/dl	0.00 - 0.70
TOTAL PROTEIN	6.8	gm/dl	6.6 - 8.3
ALBUMIN	3.4	gm/dl	3.4 - 5.2
GLOBULIN	3.4	gm/dl	2.3 - 3.5
A/G RATIO	1		
SGOT	23.0	IU/L	5 - 35
SGPT	26.2	IU/L	5.0 - 45.0
ALKALINE PHOSPHATASE IFCC Method	82.2	U/L	35.0 - 104.0
GAMMA GT	23.7	IU/L	6.0 - 42.0
LFT INTERPRET			
<u>LIPID PROFILE</u>			
TRIGLYCERIDES	89.8	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	190.2	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	55.9	mg/dL	35.1 - 88.0
V L D L	17.96	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	116.34	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.403		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	2.081		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



ISO 9001 : 2015

AAROGYAM DIAGNOSTICS

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

F- 41, PC. Colony, Opp. Madhuban Complex,
Near Malahi Pakari Chowk, Kankarbagh, Patna – 20

9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	15/09/2023	Srl No.	2	Patient Id	2309150002
Name	Mrs. DIMPAL SINGH	Age	40 Yrs.	Sex	F
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	Q.N.S.		
PH	1.030		
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.



ISO 9001 : 2015

AAROGYAM DIAGNOSTICS

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

F- 41, PC. Colony, Opp. Madhuban Complex,
Near Malahi Pakari Chowk, Kankarbagh, Patna - 20

9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	15/09/2023	Srl No.	2	Patient Id	2309150002
Name	Mrs. DIMPAL SINGH	Age	40 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



(DEM212170906)(R)Kardio by Allengers

2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg Date: 15-Sep-2023 Technician : RESHMA ALI

Stage	Time	Duration	Belt Speed (mph)	Elevation	METs	Rate	% THR Achieved	BP	RPP	PVC	Comments
Supine	00:47	0:01	00.0	00.0	01.0	103	57 %	120/80	123	00	
Standing	00:59	0:01	00.0	00.0	01.0	101	56 %	120/80	121	00	
HV	01:06	0:01	00.0	00.0	01.0	104	58 %	120/80	124	00	
Warm Up	01:14	0:01	01.0	00.0	01.0	107	59 %	120/80	128	00	
ExStart	01:43	0:06	01.7	10.0	01.1	156	87 %	120/80	187	00	
BRUCE/ Stage 1	04:43	3:00	01.7	10.0	04.7	168	93 %	125/85	210	00	
BRUCE/ Stage 2	07:43	3:00	02.5	12.0	07.1	177	98 %	130/90	230	00	
PeakEx	07:46	3:00	02.5	12.0	07.2	177	98 %	130/90	230	00	
Recovery	08:45	1:00	01.1	00.0	01.2	169	94 %	125/85	211	00	
Recovery	09:07	1:21	01.1	00.0	01.0	165	92 %	120/80	198	00	

Findings :

Exercise Time : 06:04
Max HR Attained : 177 bpm 98% of Target 180
Max BP Attained : (Sys) 130/90
Max WorkLoad Attained : 7.2 Fair response to induced stress
Max ST Dep Lead & Value : III & -0.8 mm in ExStart mm
Test End Reasons : Test Complete, Test Complete

Report :

AAROGYAM DIAGNOSTICS

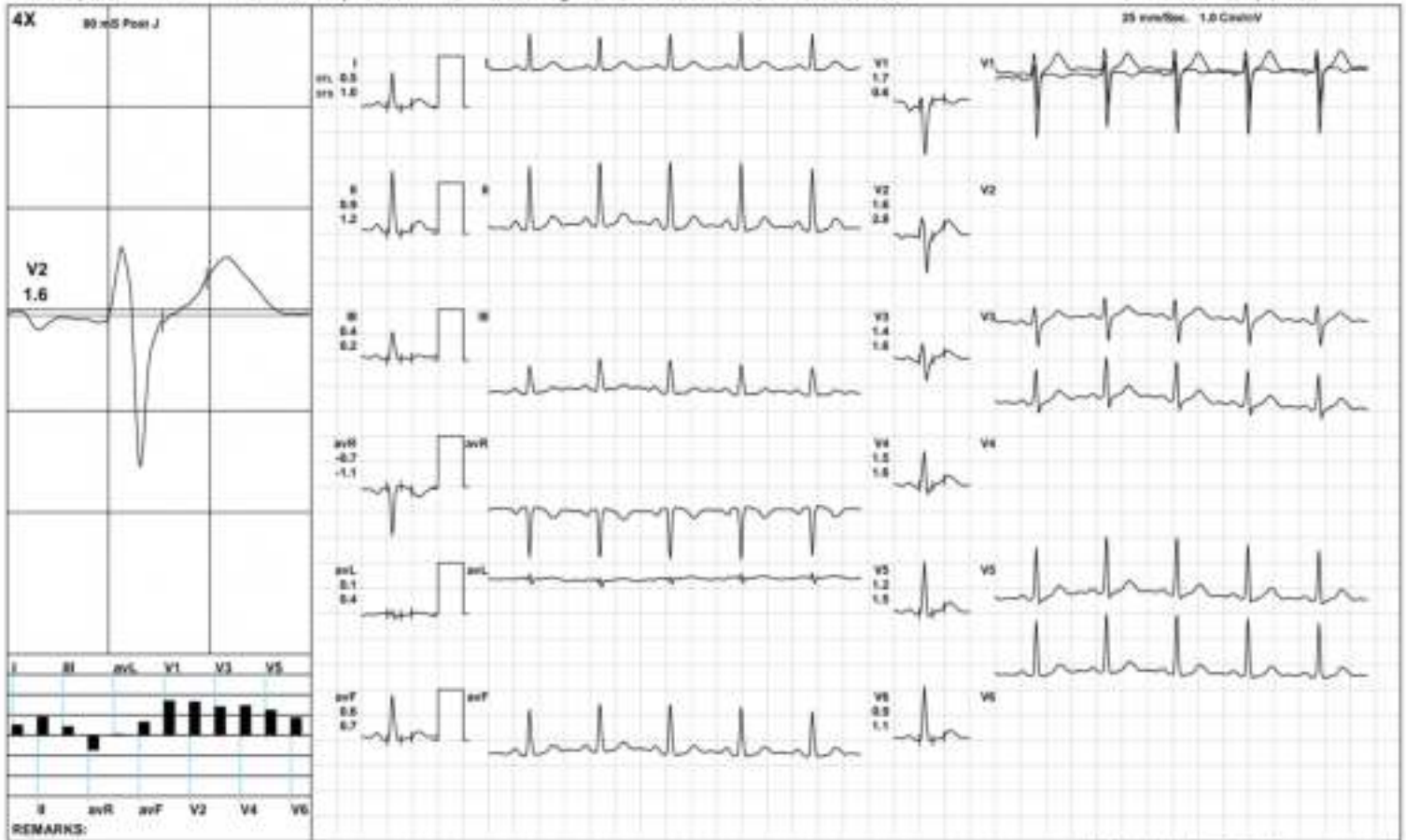
Supine



2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg / HR : 103

Date: 15-Sep-2023 01:11:14 PM METS: 1.0/ 103 bpm 57% of THR BP: 120/80 mmHg Raw ECG/ BLC/ Grv/ Natch/ Grv/ HF 0.05 Hz/ LF 100 Hz

ExTime: 00:47 0.0 r/s, 0.0%



AAROGYAM DIAGNOSTICS

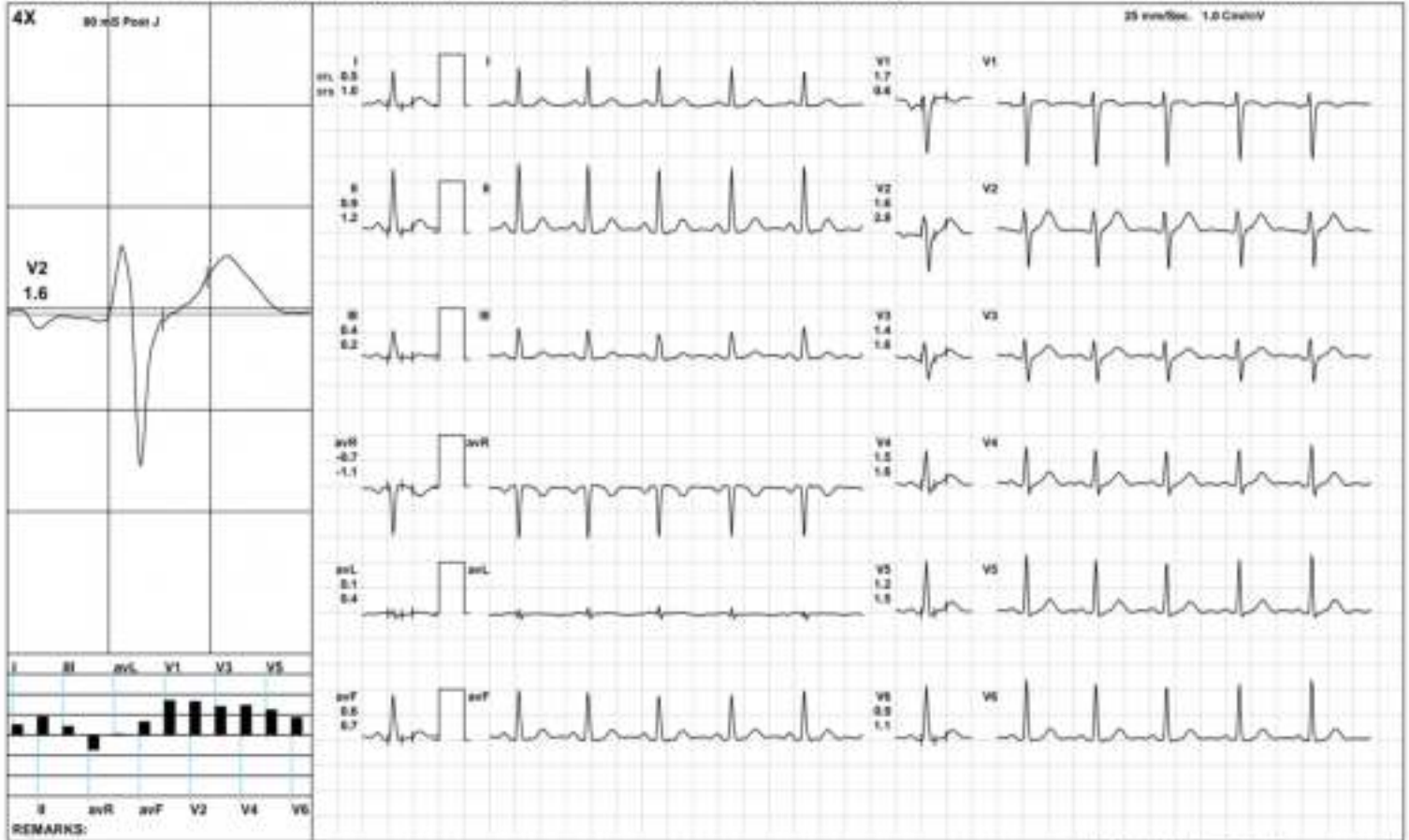
Standing



2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg / HR : 101

Date: 15-Sep-2023 01:11:14 PM METS: 1.0/101 bpm 56% of THR BP: 120/80 mmHg Raw ECG/ BLC/ Div: Match/ Div: HF 0.05 Hz/ LF 100 Hz

ExTime: 00:59 0.0 r/s, 0.0%



AAROGYAM DIAGNOSTICS

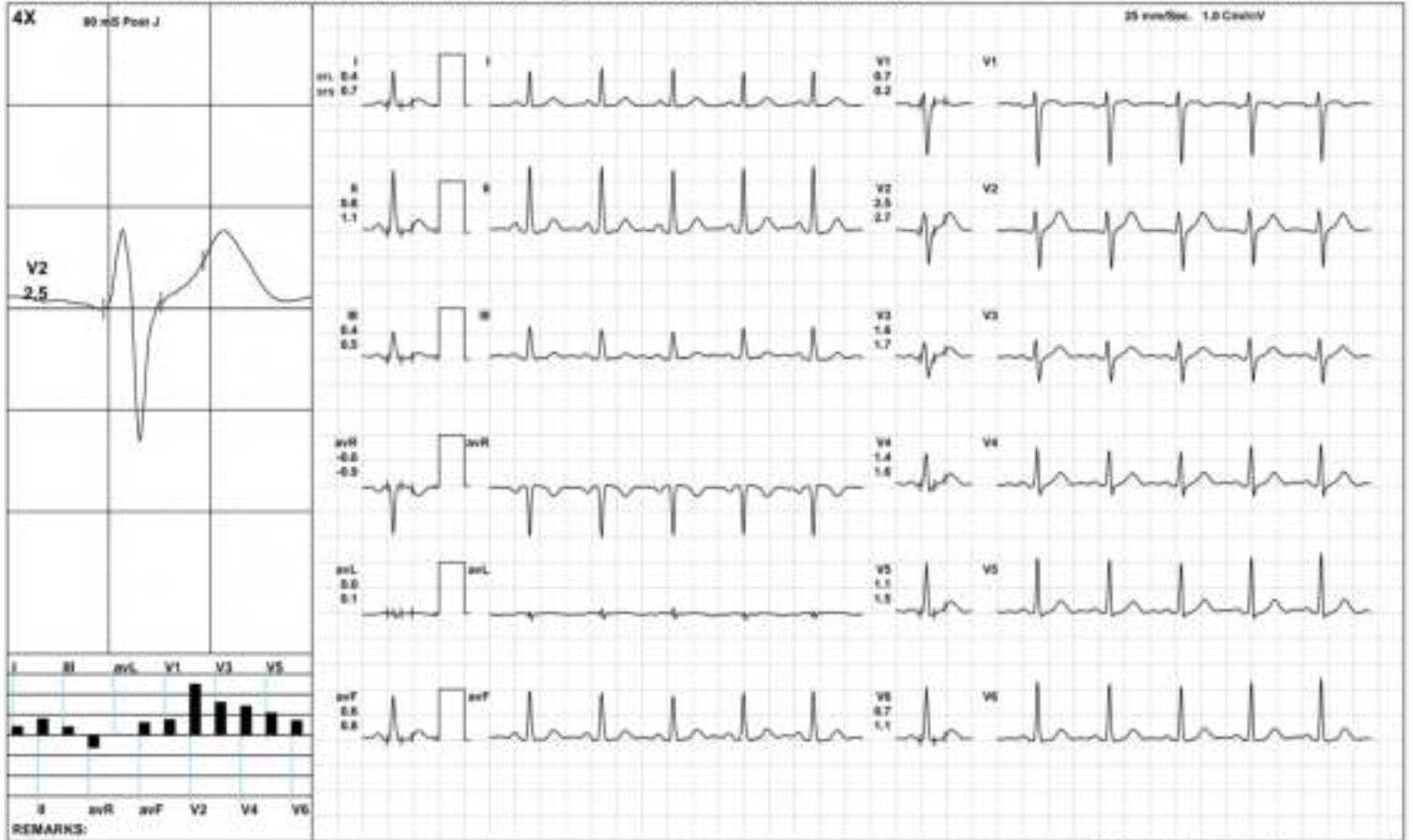
HV



2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg / HR : 104

Date: 15-Sep-2023 01:11:14 PM METS: 1.0/ 104 bpm 57% of THR BP: 120/80 mmHg Raw ECG/ BLC/ Div: Natch/ Div: HF 0.05 Hz/ LF 100 Hz

ExTime: 01:08 0.0 rps, 0.0%



AAROGYAM DIAGNOSTICS

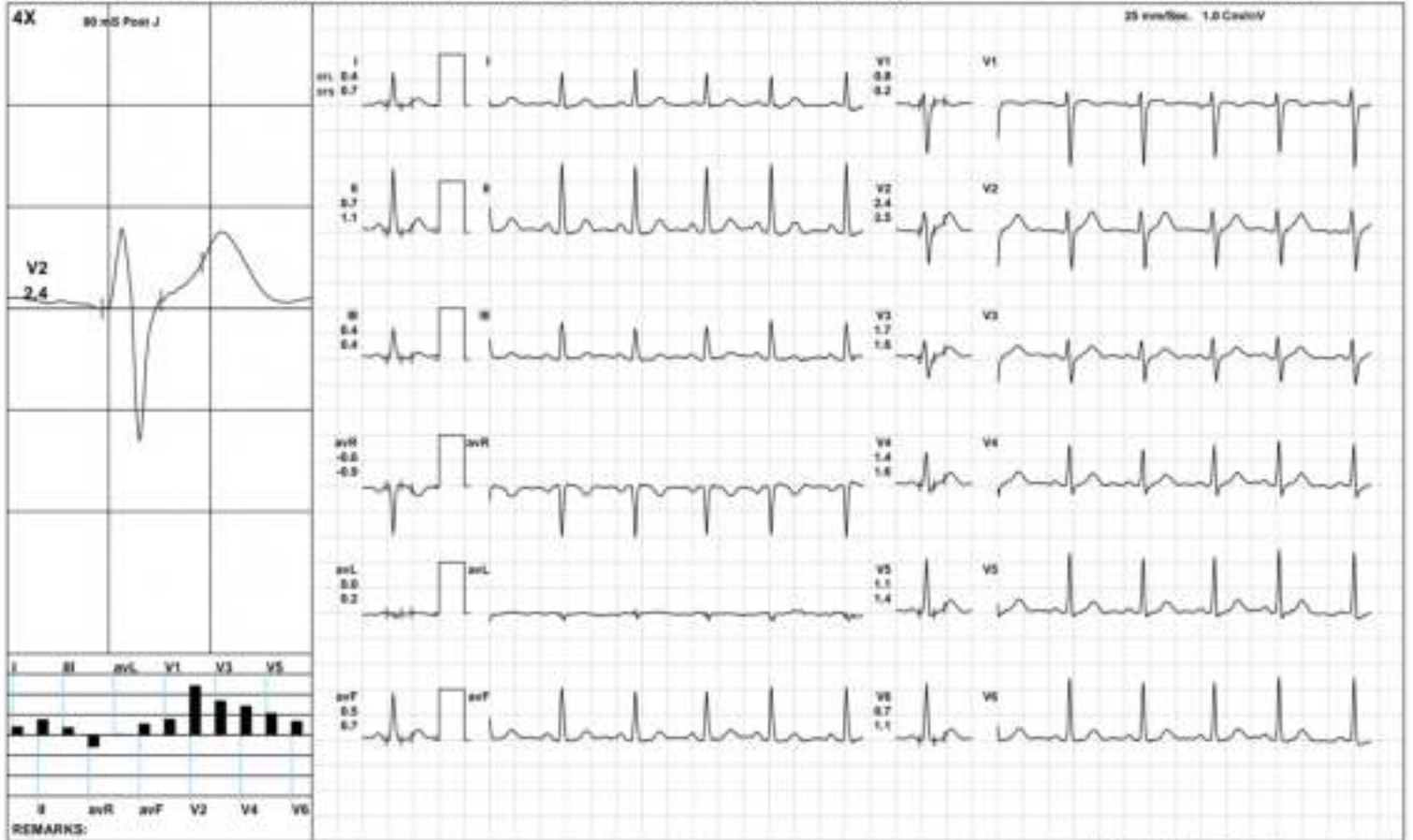
Warm Up



2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg / HR : 107

Date: 15-Sep-2023 01:11:14 PM METS: 1.0/ 107 bpm 59% of THR BP: 120/80 mmHg Raw ECG/ BLC/ Div: Match Div/ HF: 0.05 Hz/ LF: 100 Hz

ExTime: 01:14 1.0 r/gb, 0.0%



AAROGYAM DIAGNOSTICS

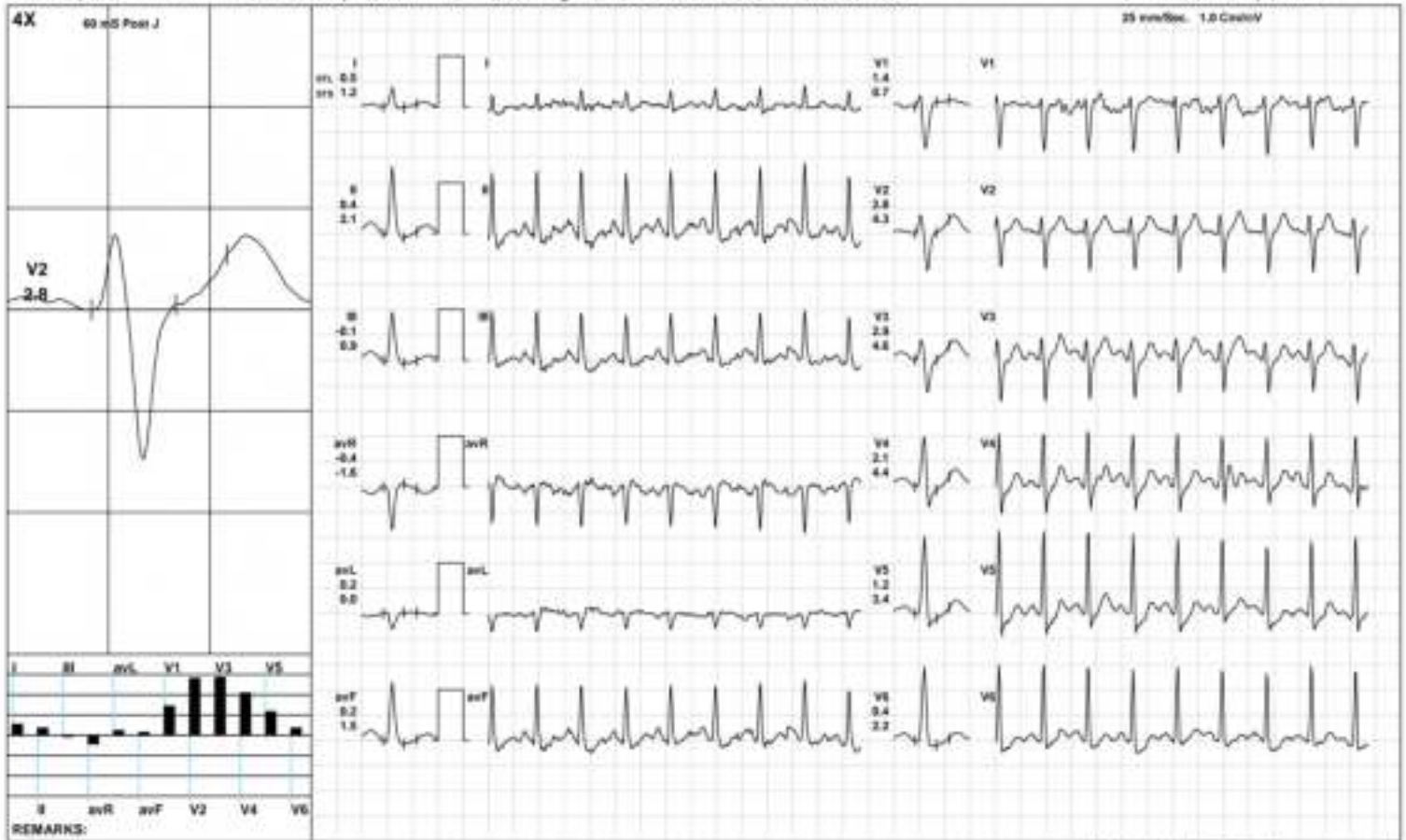
BRUCE/Stage 1(3:00)



2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg / HR : 168

Date: 15-Sep-2023 01:11:14 PM METS: 4.7Y 168 bpm 93% of THR BP: 125/85 mmHg Raw ECG/ BLC/ Div: Match Div/ HF: 0.05 Hz/ LF: 100 Hz

ExTime: 03:00 1.7 mph, 10.8%



AAROGYAM DIAGNOSTICS

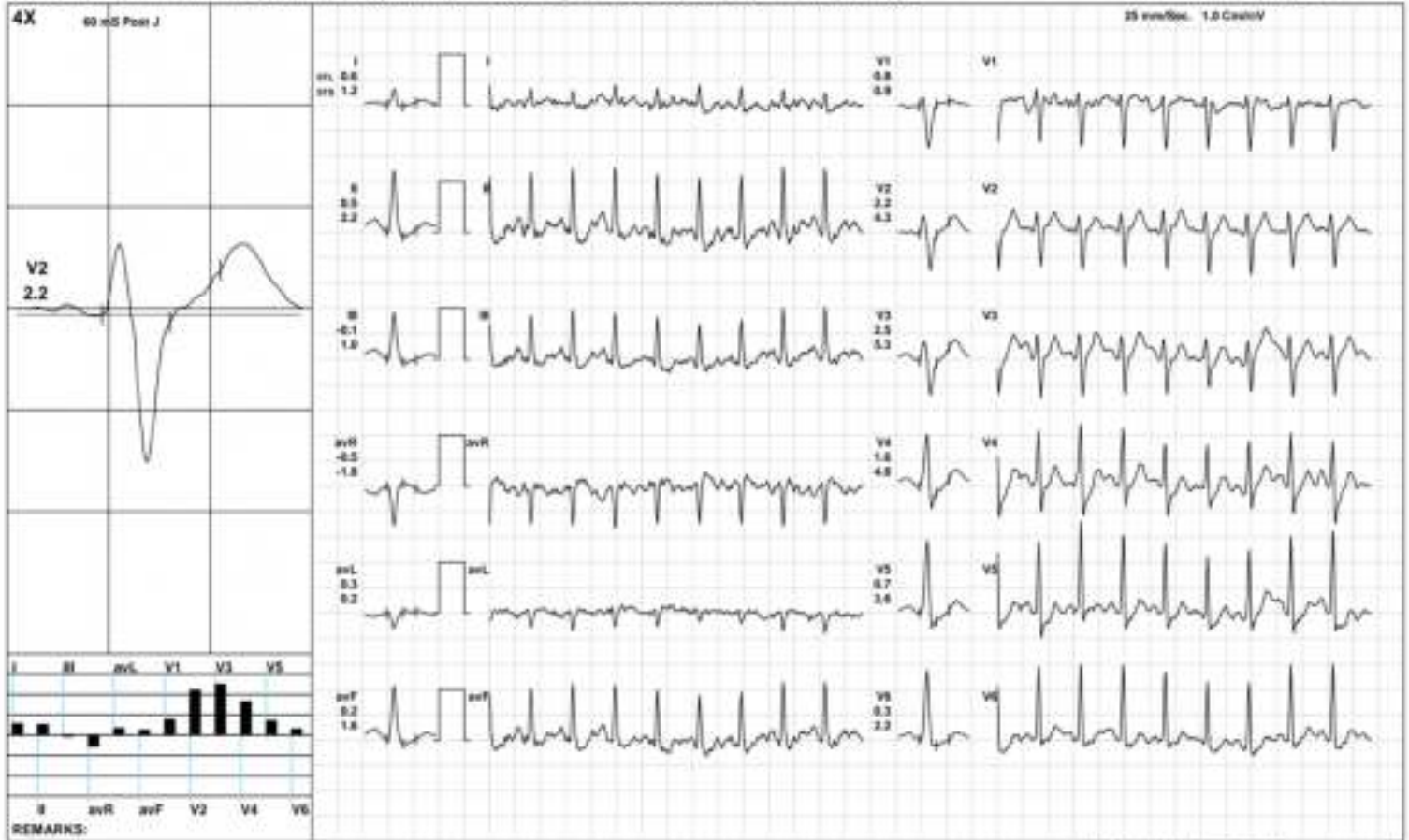
BRUCE/Stage 2(3:00)



2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg / HR : 177

Date: 15-Sep-2023 01:11:14 PM METS: 7.1/177 bpm 98% of THR BP: 138/90 mmHg Raw ECG/ BLC/ Grv/ Natch/ Grv/ HF 0.05 Hz/ LF 100 Hz

ExTime: 06:00 2.5 mph, 12.8%



AAROGYAM DIAGNOSTICS

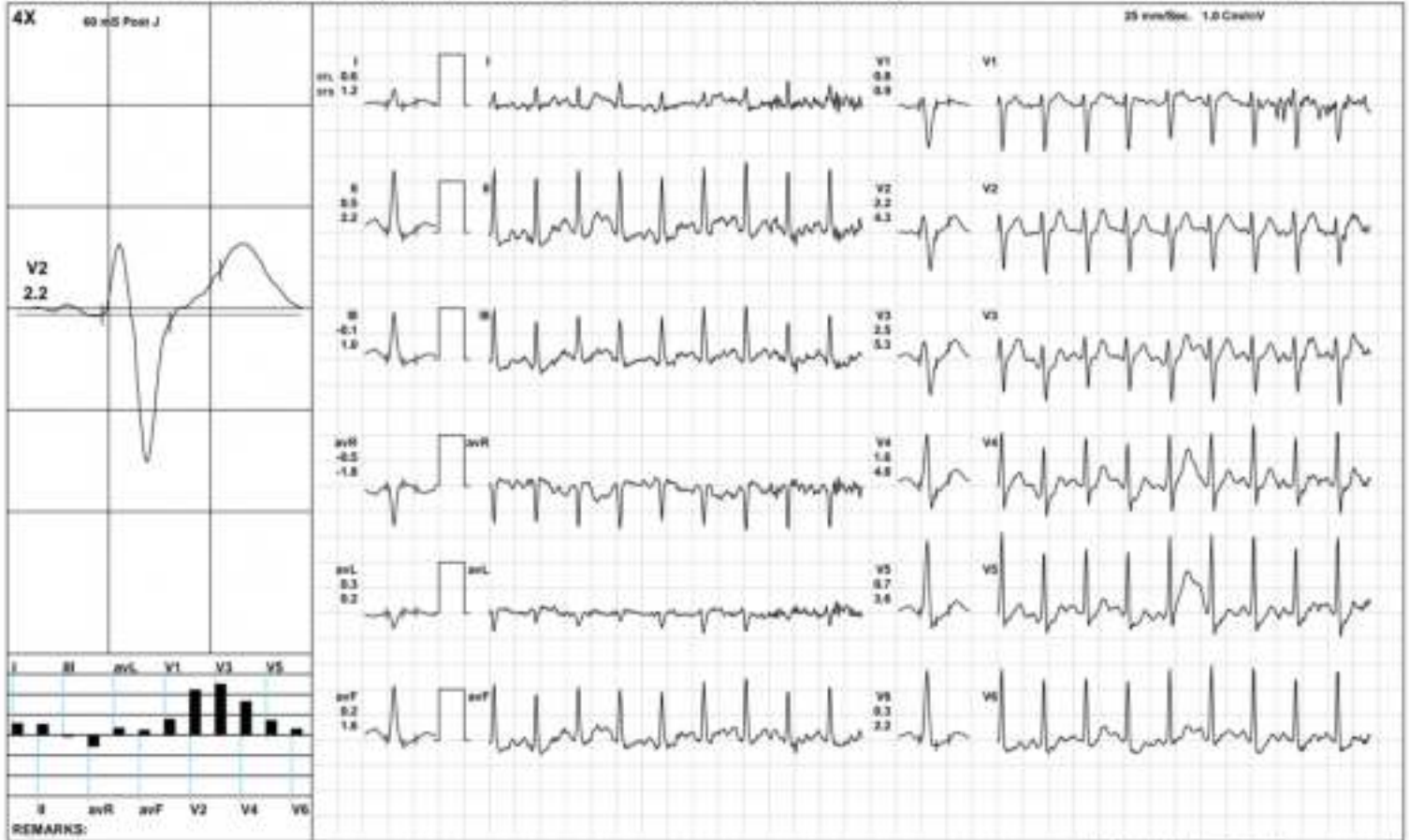
PeakEx



2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg / HR : 177

Date: 15-Sep-2023 01:11:14 PM METS: 7.2/ 177 bpm 98% of THR BP: 138/90 mmHg Raw ECG/ BLC/ Div: Natch/ Div: HF 0.05 Hz/ LF 100 Hz

ExTime: 06:00 2.5 mph, 12.8%



AAROGYAM DIAGNOSTICS

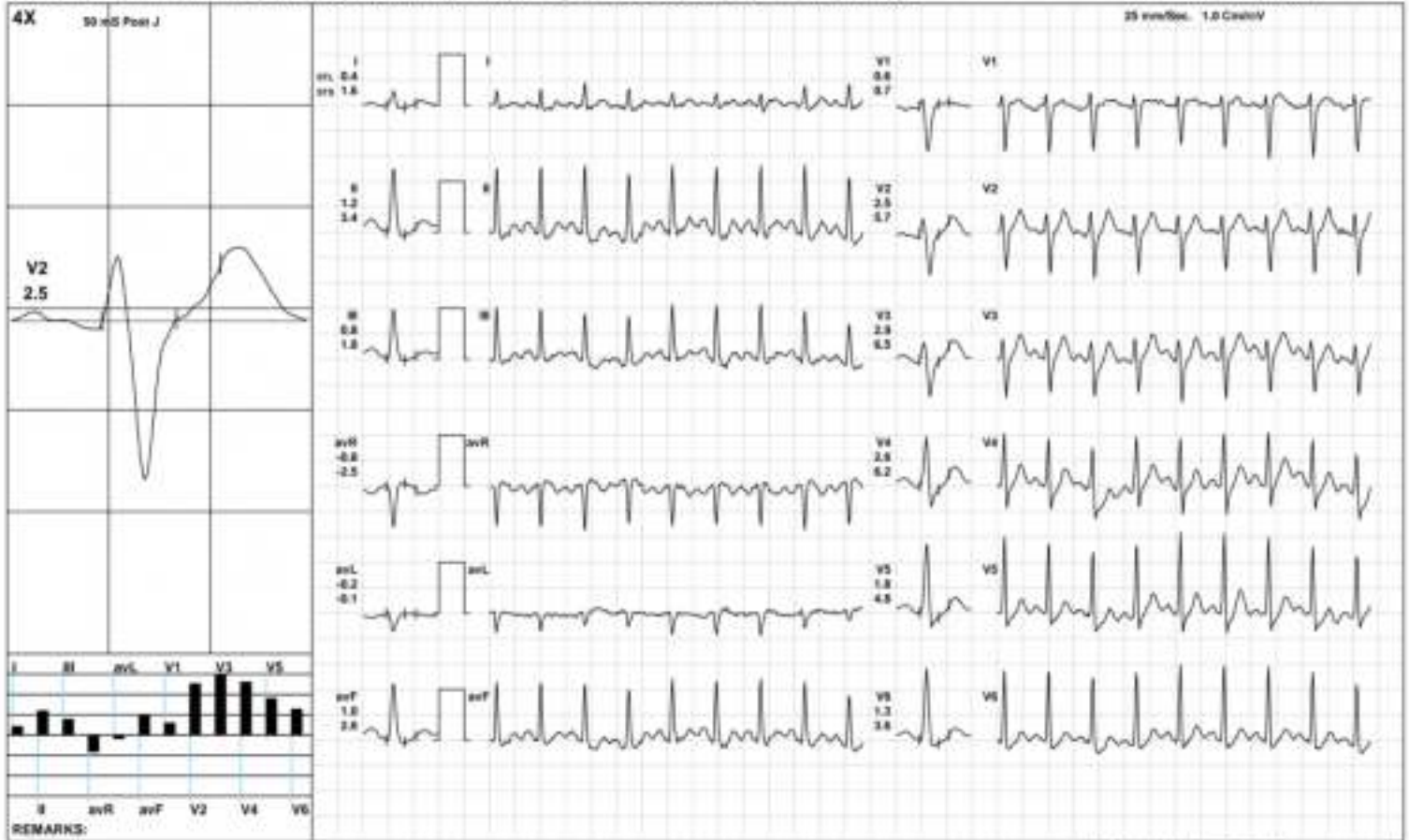
Recovery(1:00)



2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg / HR : 169

Date: 15-Sep-2023 01:11:14 PM METS: 1.2/ 169 bpm 93% of THR BP: 125/85 mmHg Raw ECG/ BLC/ Div: Match Div/ HF: 0.05 Hz/ LF: 100 Hz

ExTime: 06:04 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

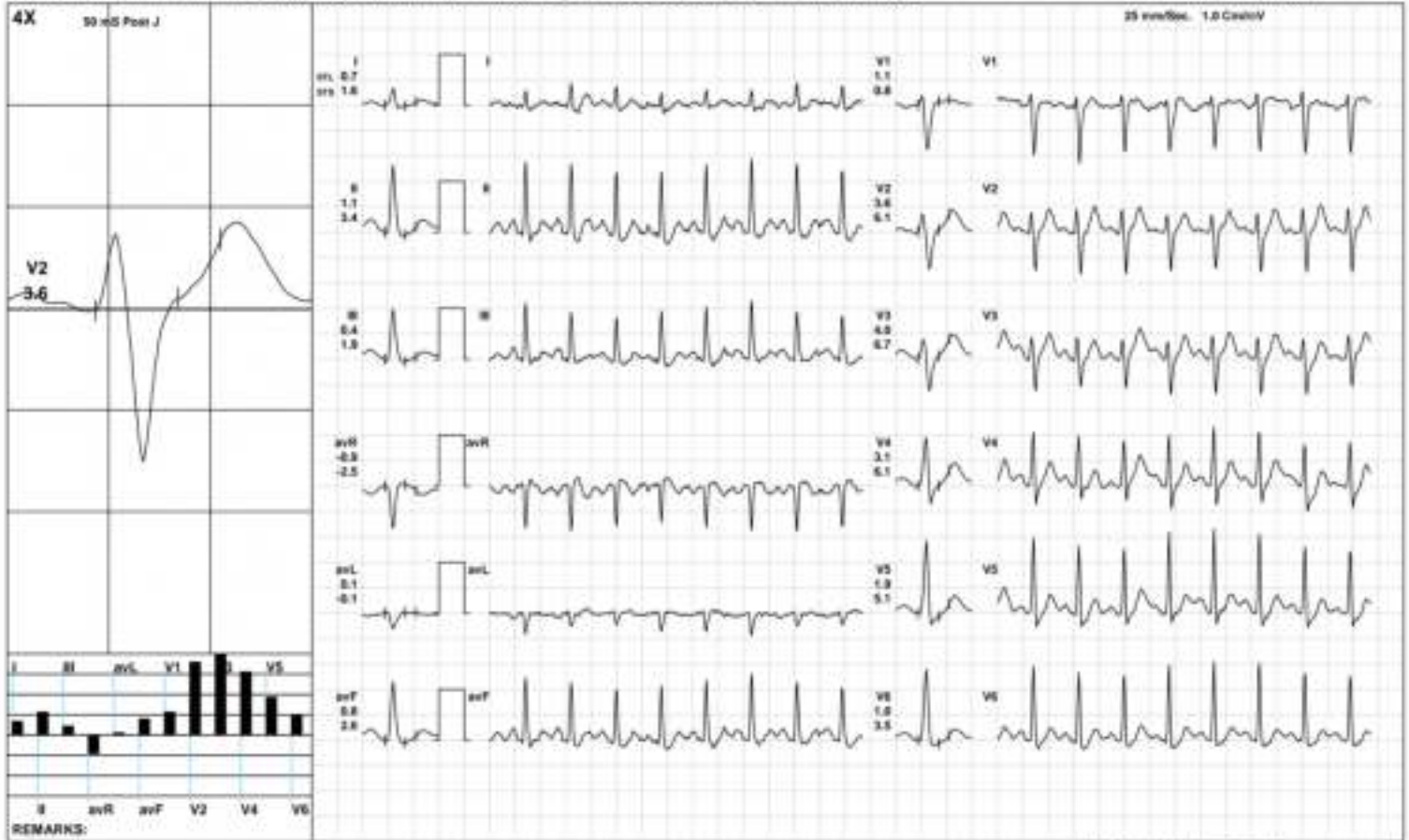
Recovery(1:21)



2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg / HR : 165

Date: 15-Sep-2023 01:11:14 PM METS: 1.6/ 165 bpm 91% of THR BP: 120/80 mmHg Raw ECG/ BLC/ Div: Match Div/ HF: 0.05 Hz/ LF: 100 Hz

ExTime: 06:04 1.1 mph, 0.0%



AAROGYAM DIAGNOSTICS

ST Measurements



2243 / DIMPAL SINGH / 40 Yrs / F / 154 Cms / 62 Kg / HR : 112

Date: 15-Sep-2023 01:11:14 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	0.5	0.9	0.4	-0.7	0.1	0.6	1.7	1.6	1.4	1.5	1.2	0.9	1.0	1.2	0.2	-1.1	0.4	0.7	0.6	2.8	1.6	1.6	1.5	1.1	
50 @mS Standing	0.5	0.9	0.4	-0.7	0.1	0.6	1.7	1.6	1.4	1.5	1.2	0.9	1.0	1.2	0.2	-1.1	0.4	0.7	0.6	2.8	1.6	1.6	1.5	1.1	
HV	0.4	0.8	0.4	-0.6	0.0	0.8	0.7	2.5	1.6	1.4	1.1	0.7	0.7	1.1	0.5	-0.9	0.1	0.8	0.2	2.7	1.7	1.6	1.5	1.1	
Warm Up	0.4	0.7	0.4	-0.6	0.0	0.5	0.8	2.4	1.7	1.4	1.1	0.7	0.7	1.1	0.4	-0.9	0.2	0.7	0.2	2.5	1.6	1.6	1.4	1.1	
ExStart	0.4	-0.4	-0.8	0.0	0.6	-0.6	0.2	6.8	0.8	0.5	-0.1	-0.1	1.2	0.4	-0.8	-0.8	1.0	-0.2	0.3	1.3	1.2	1.4	1.2	1.0	
Stage 1	0.5	0.4	-0.1	-0.4	0.2	0.2	1.4	2.8	2.9	2.1	1.2	0.4	1.2	2.1	0.9	-1.6	0.0	1.5	0.7	4.3	4.6	4.4	3.4	2.2	
Stage 2	0.6	0.5	-0.1	-0.5	0.3	0.2	0.8	2.2	2.5	1.6	0.7	0.3	1.2	2.2	1.0	-1.8	0.2	1.6	0.9	4.3	5.3	4.8	3.6	2.2	
PeakEx	0.6	0.5	-0.1	-0.5	0.3	0.2	0.8	2.2	2.5	1.6	0.7	0.3	1.2	2.2	1.0	-1.8	0.2	1.6	0.9	4.3	5.3	4.8	3.6	2.2	
Recovery	0.4	1.2	0.8	-0.8	-0.2	1.0	0.6	2.5	2.9	2.6	1.8	1.3	1.6	3.4	1.8	-2.5	-0.1	2.6	0.7	5.7	6.5	6.2	4.8	3.6	
Recovery	0.7	1.1	0.4	-0.9	0.1	0.8	1.1	3.6	4.0	3.1	1.9	1.0	1.6	3.4	1.9	-2.5	-0.1	2.6	0.8	6.1	6.7	6.1	5.1	3.5	
					I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6									
STI(µVs)		Supine			2.6	6.5	4.0	-4.6	-0.8	5.2	11.2	7.8	8.6	9.3	8.0	5.8									
		Standing			2.6	6.5	4.0	-4.6	-0.8	5.2	11.2	7.8	8.6	9.3	8.0	5.8									
		HV			2.9	6.3	3.4	-4.6	-0.2	4.9	4.8	16.1	10.5	9.6	7.6	5.1									
		Warm Up			3.0	6.6	3.7	-4.7	-0.4	5.2	5.0	16.4	11.5	10.3	8.1	5.5									
		ExStart			0.5	-3.2	-3.7	1.3	2.0	-3.4	0.4	40.6	2.6	0.5	-2.5	-2.6									
		Stage 1			1.0	-1.7	-2.3	0.5	1.5	-2.0	6.6	7.0	7.3	2.8	-0.7	-2.6									
		Stage 2			0.9	-2.1	-2.8	0.7	1.8	-2.5	2.9	3.6	3.3	-0.7	-3.0	-3.1									
		PeakEx			0.9	-2.1	-2.8	0.7	1.8	-2.5	2.9	3.6	3.3	-0.7	-3.0	-3.1									
		Recovery			-0.4	0.2	0.6	0.1	-0.6	0.4	2.0	3.1	4.3	3.0	0.7	0.1									
		Recovery			0.5	0.3	-0.2	-0.4	0.3	0.1	4.1	8.4	10.1	6.2	1.6	-0.3									

Median Measurement Summary



Time (Min.)	HR (bpm)	PR Int (mS)	QRS Wid (mS)	QRS Axis (Deg.)	QTc (mS)	P _{1/2} (V) (Max)	P _{1/2} (V) (Max)	S _{1/2} (V) (Min)	T _{1/2} (V) (Max)	Min. J (µV)	Leads for (J & P ₂)	Min. Post JRR Var (µV)	Var (%)	VEB (Counts)	Missed Beats (Counts)
00:30	103	272	-44	59	109	2130	2243	-1190	1748	-123	avL	-35	0.00	0	0
01:00	99	134	52	60	402	170	1279	-1140	379	-123	avL	-38	0.00	0	0
01:30	153	134	72	71	195	-1694	1469	-1056	261	-157	R	-175	0.00	0	0
02:00	101	118	48	74	421	-1694	1570	-1022	-248	148	R	-182	0.00	0	0
02:30	105	118	48	75	401	-472	1542	-931	335	-218	R	-214	0.00	0	0
03:00	106	110	50	75	299	-472	1499	-914	340	-23	R	-261	0.00	0	0
03:30	107	110	72	75	300	182	1528	-852	333	57	R	-174	0.00	0	0
04:00	107	100	72	75	300	219	1494	-897	375	6	R	-178	0.00	0	0
04:30	107	110	90	72	410	219	1530	-877	365	79	R	-122	0.00	0	0
05:00	170	102	90	75	419	213	1537	-903	363	72	R	-156	0.00	0	0
05:30	173	108	50	75	406	184	1536	-868	366	52	R	-146	0.00	0	0
06:00	173	104	72	74	405	201	1487	-841	373	-198	R	-103	0.00	0	0
06:30	174	104	52	71	399	205	1438	-840	390	37	R	-118	0.00	0	0
07:00	177	104	70	72	284	202	1413	-838	402	-310	V6	-154	0.00	0	0
07:30	178	92	74	73	392	218	1447	-826	365	-183	V6	-74	0.00	0	0
08:00	178	100	60	74	400	188	1415	-818	387	23	R	-161	0.00	0	0
09:30	170	88	74	76	422	230	1421	-852	432	-171	V6	-5	0.00	0	0



Name :- Dimple Singh
Refd by :- CORP.

Age/Sex:-40Yrs/F
Date :-16/09/23

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Normal in size(11.6cm) 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** :- Surgically Removed.
- 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(9.2cm) 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 9.2cm and Left Kidney measures 9.7cm.
- Ureters** :- Ureters are not dilated.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Uterus** :- Enlarged in size (10.0cm x 5.7cm) and anteverted in position with A small Intramural Fibroid.
- Ovaries** :- Both ovaries show normal echotexture and follicular pattern.
No pelvic (POD) collection is seen.
- Others** :- No ascites or abdominal adenopathy is seen.
No free subphrenic / basal pleural space collection is seen.

IMPRESSION:- *AV Bulky Uterus with A small Intramural Fibroid.
Otherwise Normal scan.*

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



MC-2024

Lab Facility : Unipath House, Besides Sahjanand College, Opp. Kamdhenu Complex, Panjarapole, Ambawadi, Ahmedabad-380015 Gujarat
Phone: +91-79-49006800 | WhatsApp: 6356005900 | Email: info@unipath.in | Website: www.unipath.in
Regd. Office : 5th Floor, Doctor House, Nr. Parimal Garden, Ahmedabad-380006 Gujarat
CIN: U85195GJ2009PLC057059



30904100311

TEST REPORT

Reg.No : 30904100311	Reg.Date : 16-Sep-2023 12:22	Collection : 16-Sep-2023 12:22
Name : DIMPAL SINGH		Received : 16-Sep-2023 12:22
Age : 40 Years	Sex : Female	Report : 16-Sep-2023 15:32
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 16-Sep-2023 15:53
Referral Dr : □	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine)	0.95	ng/mL	0.6 - 1.52
T4 (Thyroxine) <small>CIMA</small>	7.96	µg/dL	5.5 - 11.0
TSH (ultra sensitive) <small>CIMA</small>	3.537	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 Arora

M.D. Biochemistry
Reg. No.- G-32999