

S

BOB

आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT. OF INDIA

DEVBRAT KUMAR

BIRENDRA KUMAR

12/02/1983
Permanent Account Number

DTYPK3580F

Signature



ID: 290

DEVBRAT KUMAR

Male 31Years

26-02-2024 10:19:21 AM

HR : 71 bpm

P : 92 ms

PR : 148 ms

QRS : 88 ms

QT/QTc : 361/395 ms

P/QRS/T : 11/11/18 °

RV5/SV1 : 1.622/1.431 mV

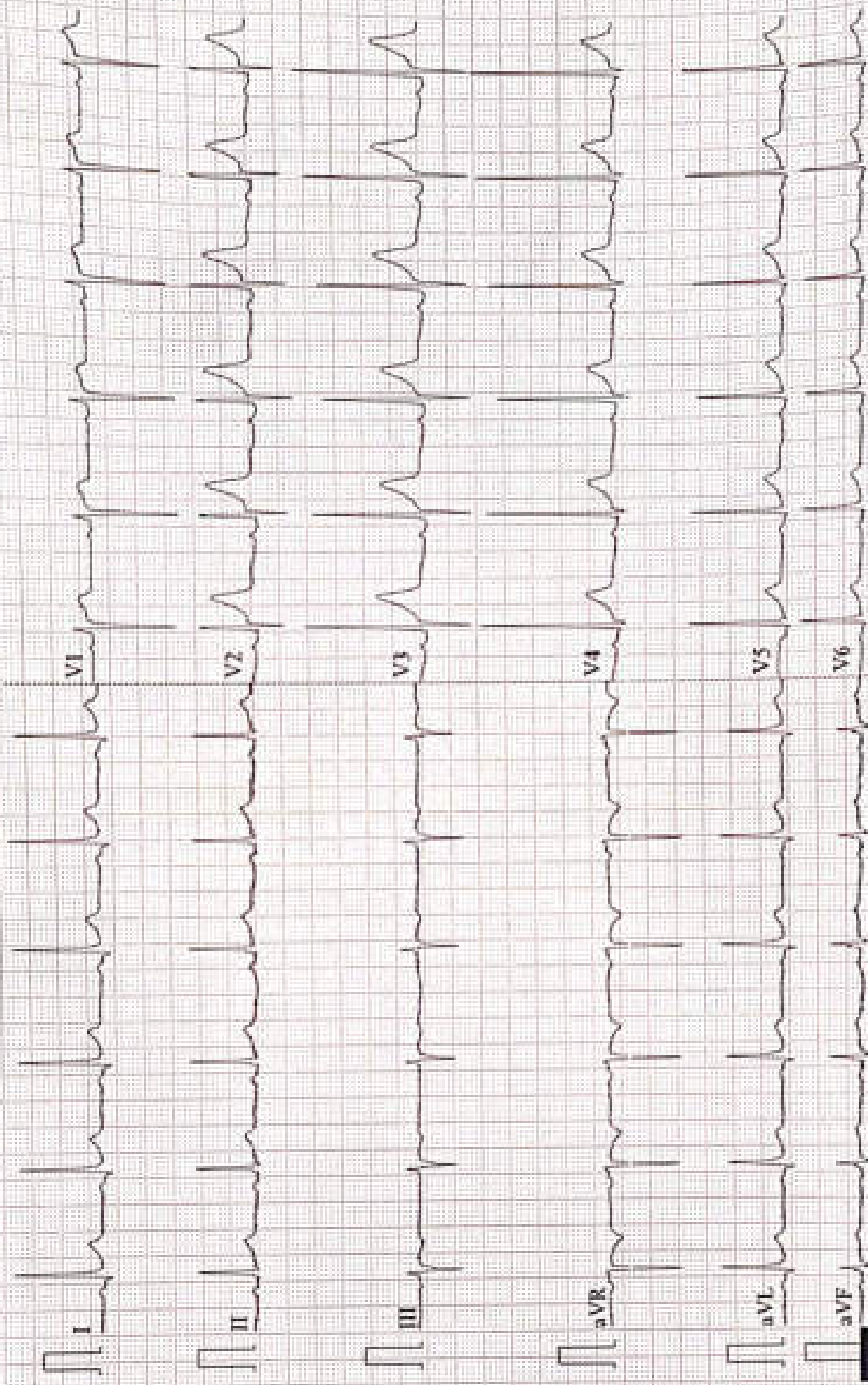
Ref-Phys :

Report Confirmed by:

Diagnosis Information:

Sinus Rhythm

Normal ECG



Patient Name	DEVBRAT KUMAR	Date	25-02-2024
Age/Sex	31/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



ISO 9001 : 2015

AAROGYAM DIAGNOSTICS

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

F- 4L- PC- Colony, Opp. Madhuban Complex,
Near Malahi Parkan Chowk, Kankarbagh, Patna - 20
9264278360, 9065875700, 8789391401
info@aarogyamdiagnostics.com
www.aarogyamdiagnostics.com

Date	26/02/2024	Sri No.	4	Patient id	2402260004
Name	Mr. DEVBRAT KUMAR	Age	31 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



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Name	Mr. DEVBRAT KUMAR	Age	31 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	13.2	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	6,500	/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)	11	mm/1st hr.	0 - 15
R B C COUNT	4.40	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	39.6	%	40 - 54
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	1.97	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"B"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	80.4	mg/dl	70 - 110
SERUM CREATININE	0.87	mg%	0.7 - 1.4
BLOOD UREA	19.0	mg /dl	15.0 - 45.0
SERUM URIC ACID	3.5	mg%	3.4 - 7.0
<u>LIVER FUNCTION TEST (LFT)</u>			



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Name	Mr. DEVBRAT KUMAR	Age	31 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.87	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.24	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D. Bilirubin)	0.43	mg/dl	0.00 - 0.70
TOTAL PROTEIN	6.9	gm/dl	6.6 - 8.3
ALBUMIN	3.9	gm/dl	3.4 - 5.2
GLOBULIN	3	gm/dl	2.3 - 3.5
A/G RATIO	1.3		
SGOT	35.1	IU/L	5 - 40
SGPT	42.8	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	111.0	U/L	40.0 - 130.0
GAMMA GT	26.2	IU/L	8.0 - 71.0

LFT INTERPRET

LIPID PROFILE

TRIGLYCERIDES	56.9	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	189.4	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	51.2	mg/dL	35.1 - 88.0
V L D L	11.38	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	106.82	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.309		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	2.086		0.00 - 3.55

THYROID PROFILE

QUANTITY	15	ml.	
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Name	Mr. DEVBRAT KUMAR	Age	31 Yrs.	Sex	M
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.020		
PH	6.0		
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 luminescence 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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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 ****

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Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
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BIOCHEMISTRY

BLOOD SUGAR PP	94.1	mg/dl	80 - 160
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**** End Of Report ****

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AAROGYAM DIAGNOSTICS

PATNA

2519 / MR. DEVBRAT KUMAR / 31 Yrs / M / 164 Cms / 93 Kg Date: 26-Feb-2024 Technician : ARUN

Report

GEM212110904/DR/Karshi by Allengers

Stage	Time	Duration	Self Speed (mph)	Elevation	METs	Rate	% TMB Achieved	BP	SPP	PVC	Comments
Supine	00:03	0:01	00.0	00.0	01.0	99	52 %	120/80	118	00	
Standing	00:09	0:01	00.0	00.0	01.0	96	51 %	120/80	119	00	
HV	00:13	0:01	00.0	00.0	01.0	098	52 %	120/80	117	00	
Warm Up	00:19	0:01	01.0	00.0	01.0	095	50 %	120/80	114	00	
ExStart	01:01	0:06	01.7	10.0	01.1	132	65 %	120/80	146	00	
BRUCE/ Stage 1	04:01	3:00	01.7	10.0	04.7	146	77 %	125/85	182	00	
BRUCE/ Stage 2	07:01	3:00	02.5	12.0	07.1	165	87 %	130/90	214	00	
PeakEx	08:22	1:21	03.4	14.0	08.5	190	95 %	130/90	234	00	
Recovery	09:21	1:00	01.1	00.0	01.2	163	86 %	130/90	211	00	
Recovery	10:21	2:00	01.1	00.0	01.0	149	79 %	125/85	186	00	
Recovery	11:44	3:23	01.1	00.0	01.0	144	76 %	120/80	172	00	

Findings :

Exercise Time : 07:22
Max HR Attained : 190 bpm 101% of Target 189
Max BP Attained : (Sys) 130/90
Max WorkLoad Attained : 8.5 Fair response to induced stress
Max ST Dep Lead & Value : III & -3.8 mm in PeakEx mm
Test End Reasons : Fatigue

Report :

AAROGYAM DIAGNOSTICS

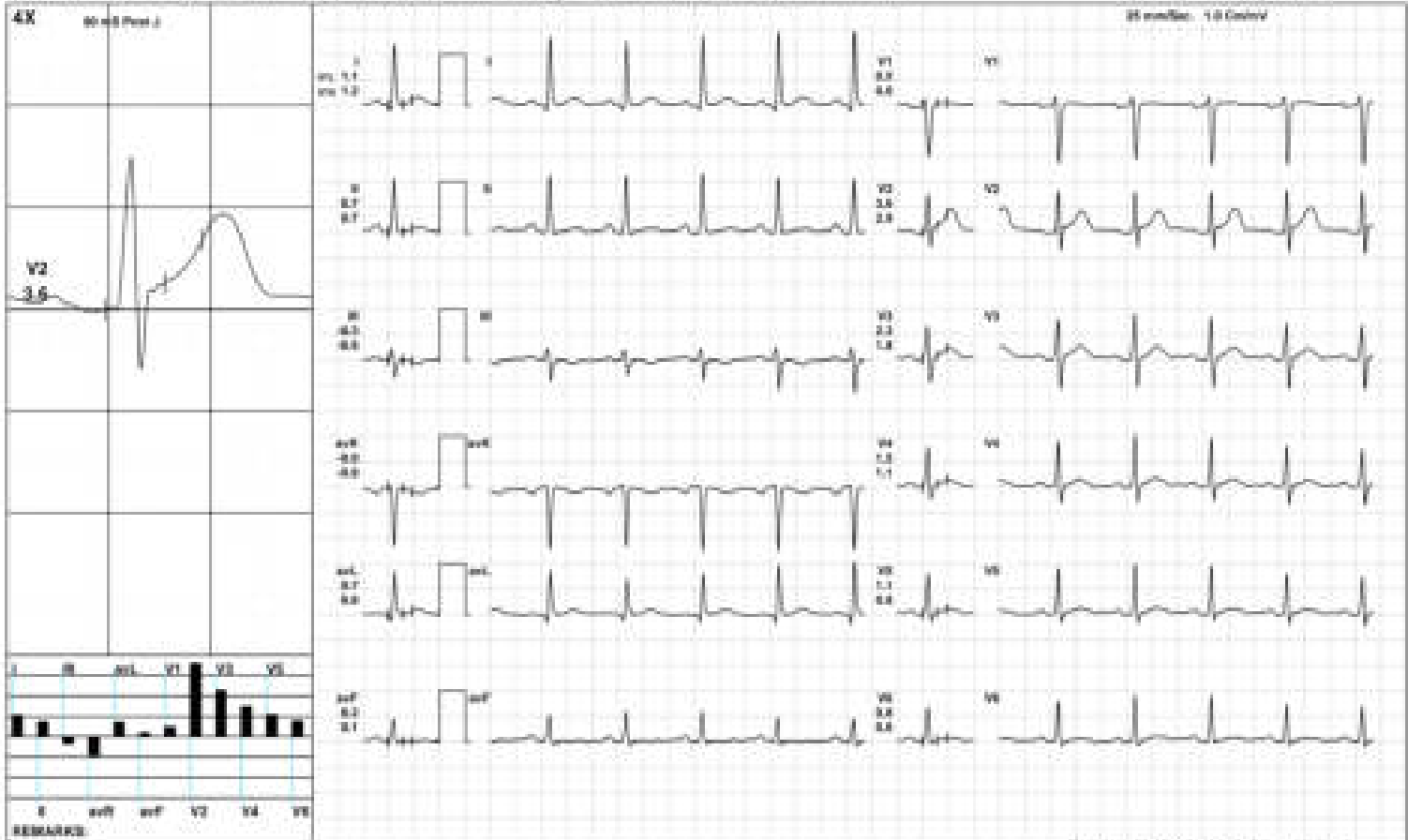
Supine



2510 / MR. DEVBRAJ KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR : 99

Date: 26-Feb-2024 02:21:30 PM LEads: 12 (95 bpm, 82% of TPR) BP: 120/80 mmHg Res: 500 B/C Qrs/Lead/Chd HP: 0.05 HALF 100 Hz

ECG: 00-02 9.9 rpm, 0.0%



(02022121700004R)Acq'd by Allergens

AAROGYAM DIAGNOSTICS

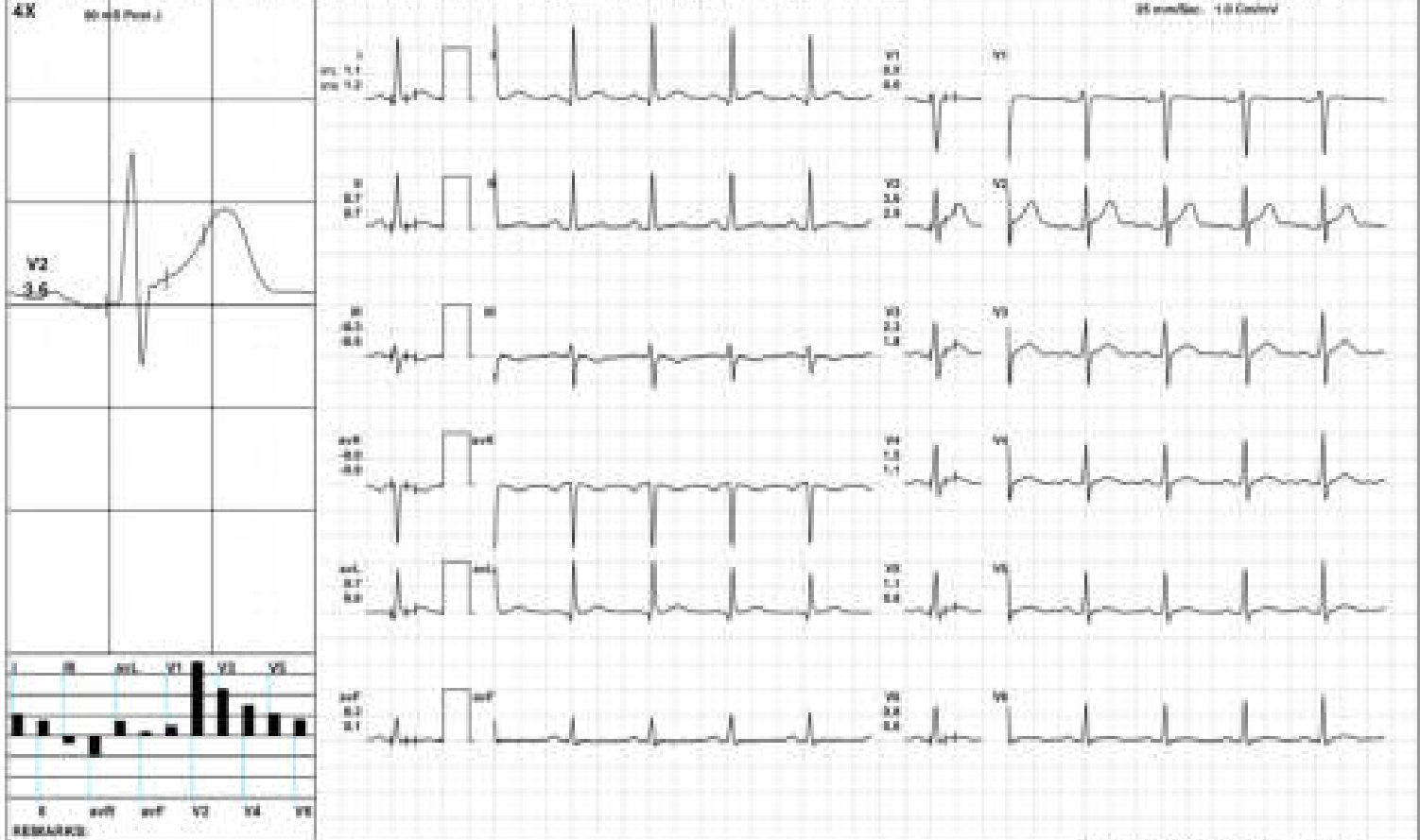
Standing



2510 / MR. DEVBRAJ KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR: 98

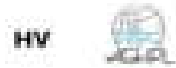
Date: 26-Feb-2024 02:21:30 PM LEads: I,II,III,aVR,aVL,aVF,V1,V2,V3,V4,V5,V6 Rate: 98bpm PR: 160ms QRS: 84ms QT: 380ms QTc: 40ms HF: 0.0% HF: 100 Hz

ECG Time: 00:05 0.0 mV/cm 0.05 sec/cm



ECG212170004R) made by Allergens

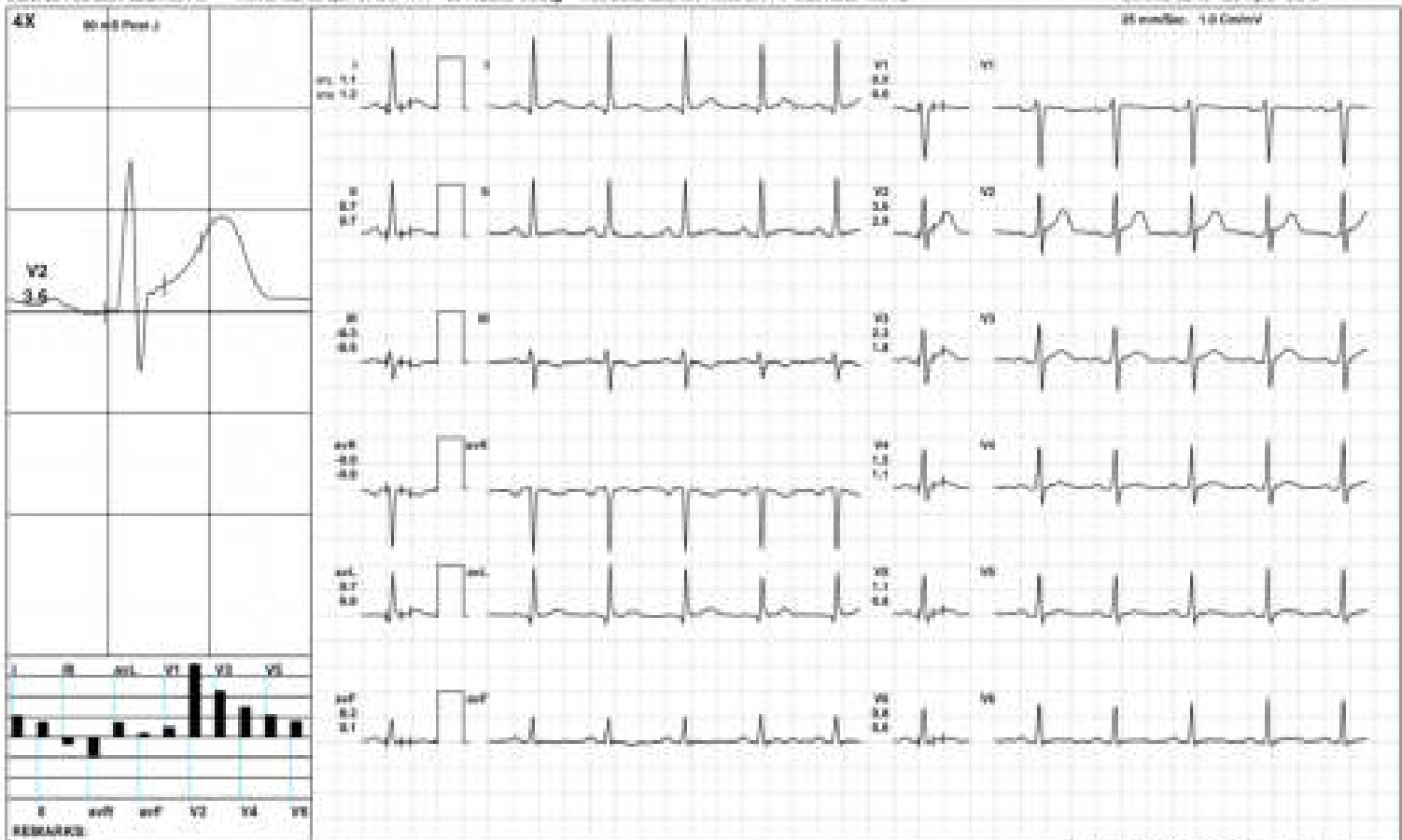
AAROGYAM DIAGNOSTICS



2510 / MR. DEVBRAJ KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR : 98

Date: 26-Feb-2024 02:21:30 PM S/TS: 1.0/0.5mV 25mm/s 10% of TPR. BP: 120/80 mmHg. Res: ECG: 15.0 Sec. Rate: 98.0 bpm. HR: 98.0 bpm. PR: 160.0 ms. QRS: 80.0 ms. QT: 380.0 ms. QTc: 40.0 ms. ST: 0.0 mV. T: 0.0 mV. Axis: Normal. P: 0.0 mV. QRS: 0.0 mV. T: 0.0 mV. ST: 0.0 mV. T: 0.0 mV.

ECG: 15.0 Sec. Rate: 98.0 bpm. HR: 98.0 bpm. PR: 160.0 ms. QRS: 80.0 ms. QT: 380.0 ms. QTc: 40.0 ms. ST: 0.0 mV. T: 0.0 mV. Axis: Normal. P: 0.0 mV. QRS: 0.0 mV. T: 0.0 mV. ST: 0.0 mV. T: 0.0 mV.



(02/212170004)Handic by Allergens

AAROGYAM DIAGNOSTICS

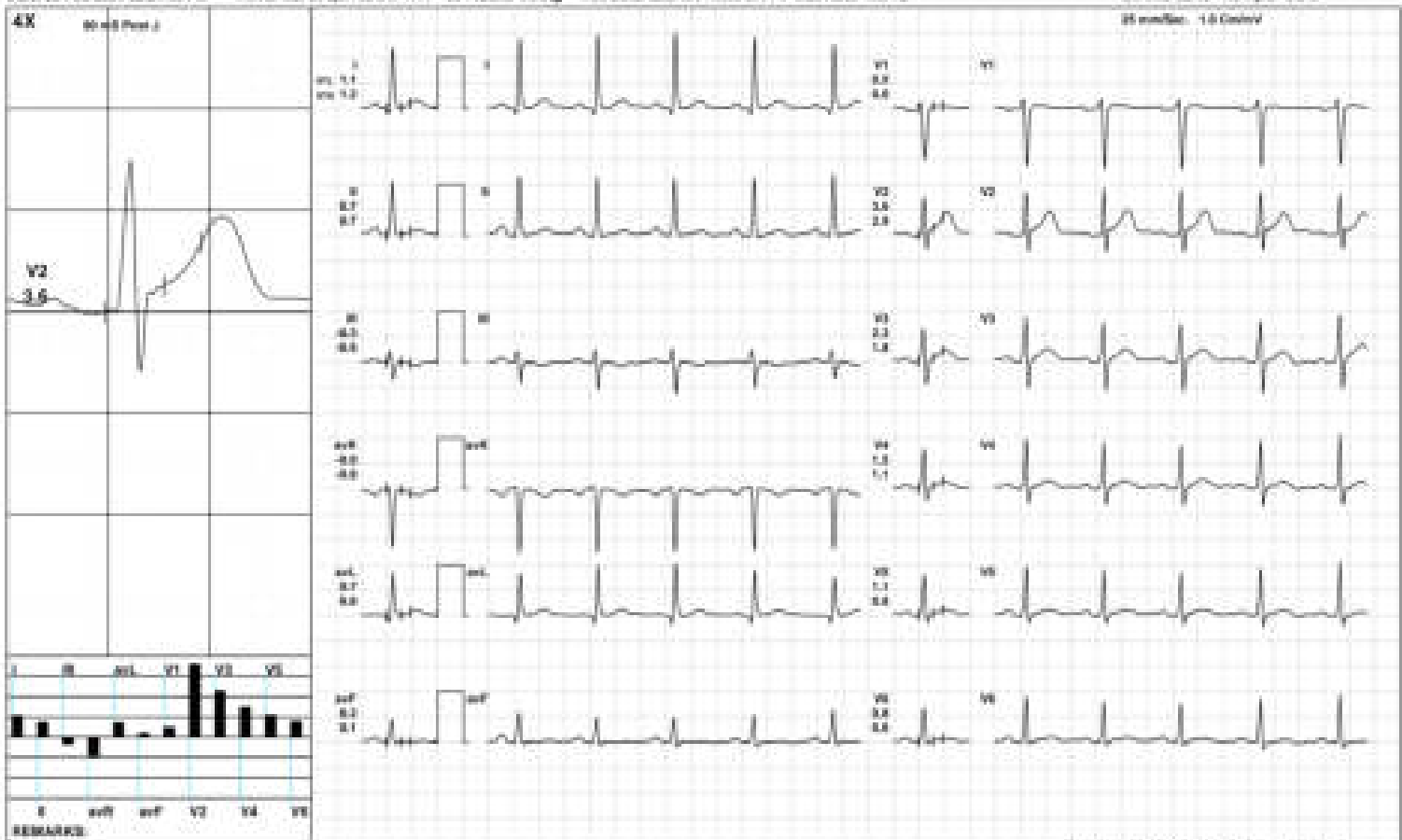
Warm Up



2510 / MR. DEVBRAJ KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR : 95

Date: 26-Feb-2024 02:21:30 PM LEads: I,II,III,aVR,aVL,aVF,V1,V2,V3,V4,V5,V6 Rate: 95bpm PR: 160ms QRS: 84ms QT: 350ms QTc: 380ms HR: 95bpm

ECG Time: 02:19 1.0 mV, 0.05s



(02082121700004R) made by Allergens

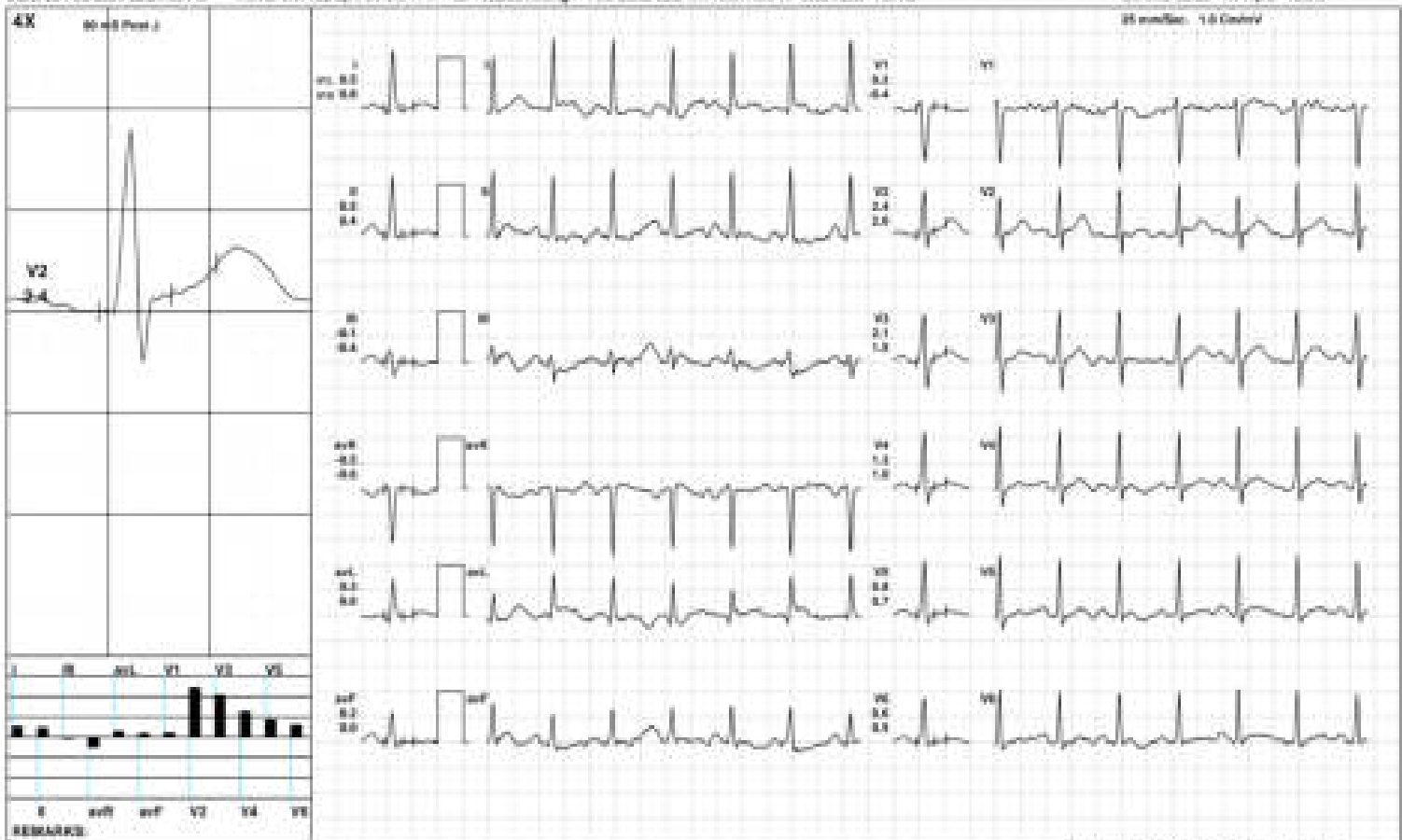
AAROGYAM DIAGNOSTICS



2510 / MR. DEVBRAT KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR : 122

Date: 26-Feb-2024 02:21:30 PM | LEADS: 12 (12 leads 64% of Time) | BP: 120/80 mmHg | Rate: 122/Min | P-R-T: Normal | QRS: Normal | ST-T: Normal | HR: 122/Min | PRP: 160/MS

ExTime: 05:05 | 1.7 mV | 18.0%
25 mm/Sec | 1.0 Cal/cmV



(02/26/24 10:00 AM) Handic by Allergens

AAROGYAM DIAGNOSTICS

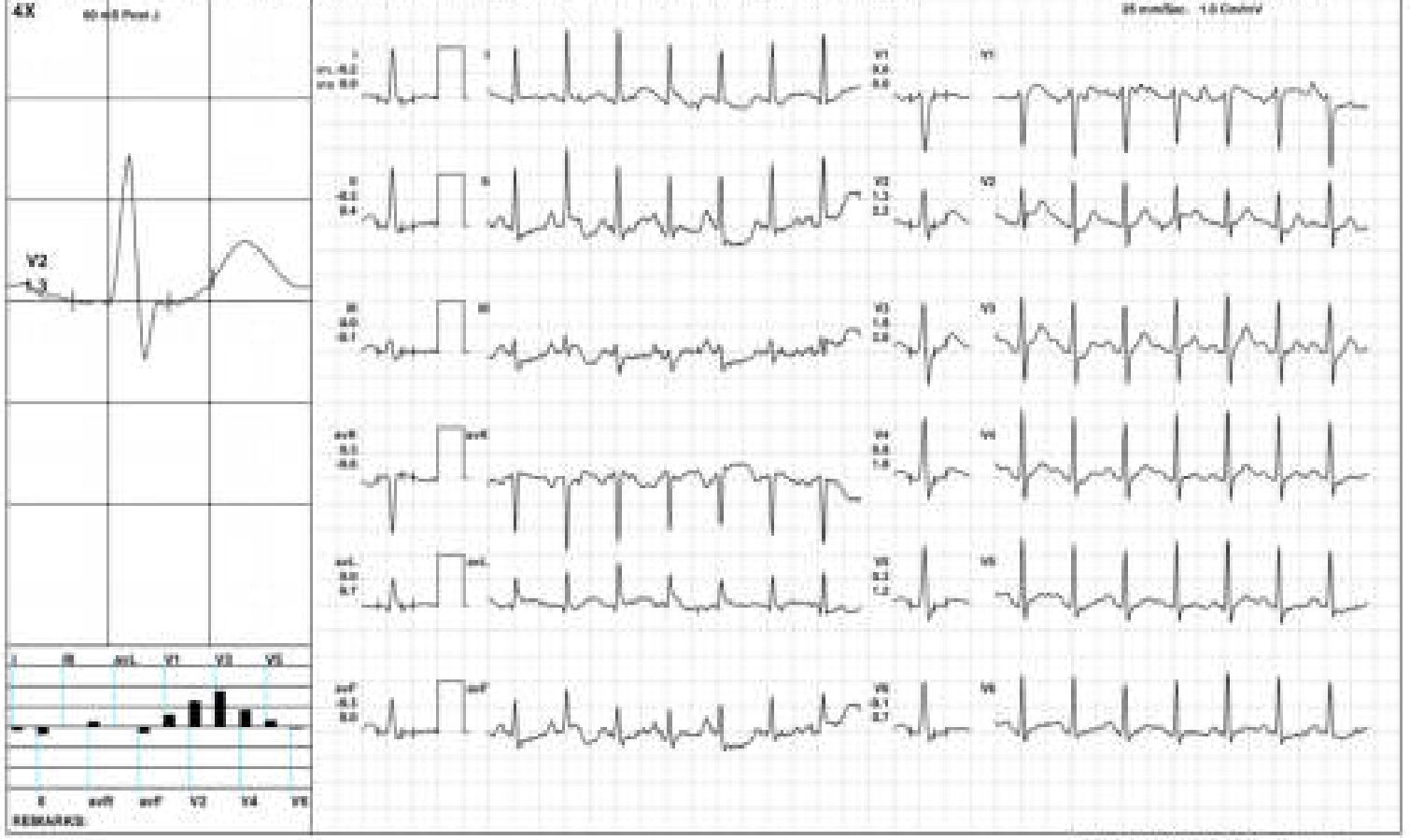
BRUCE/Stage 1(3:00)



2510 / MR. DEVBRAT KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR : 148

Date: 26-Feb-2024 02:21:30 PM LEads: 4/1148 (99% of Time) BP: 126/88 resting Rate: 103/ B.C. Cal: Normal Cal: HF 0.05 Hz/EP 100 Hz

ExTime: 03:00 1.7 mph 18.0%
25 min/Sec 1.0 Cal/Sec



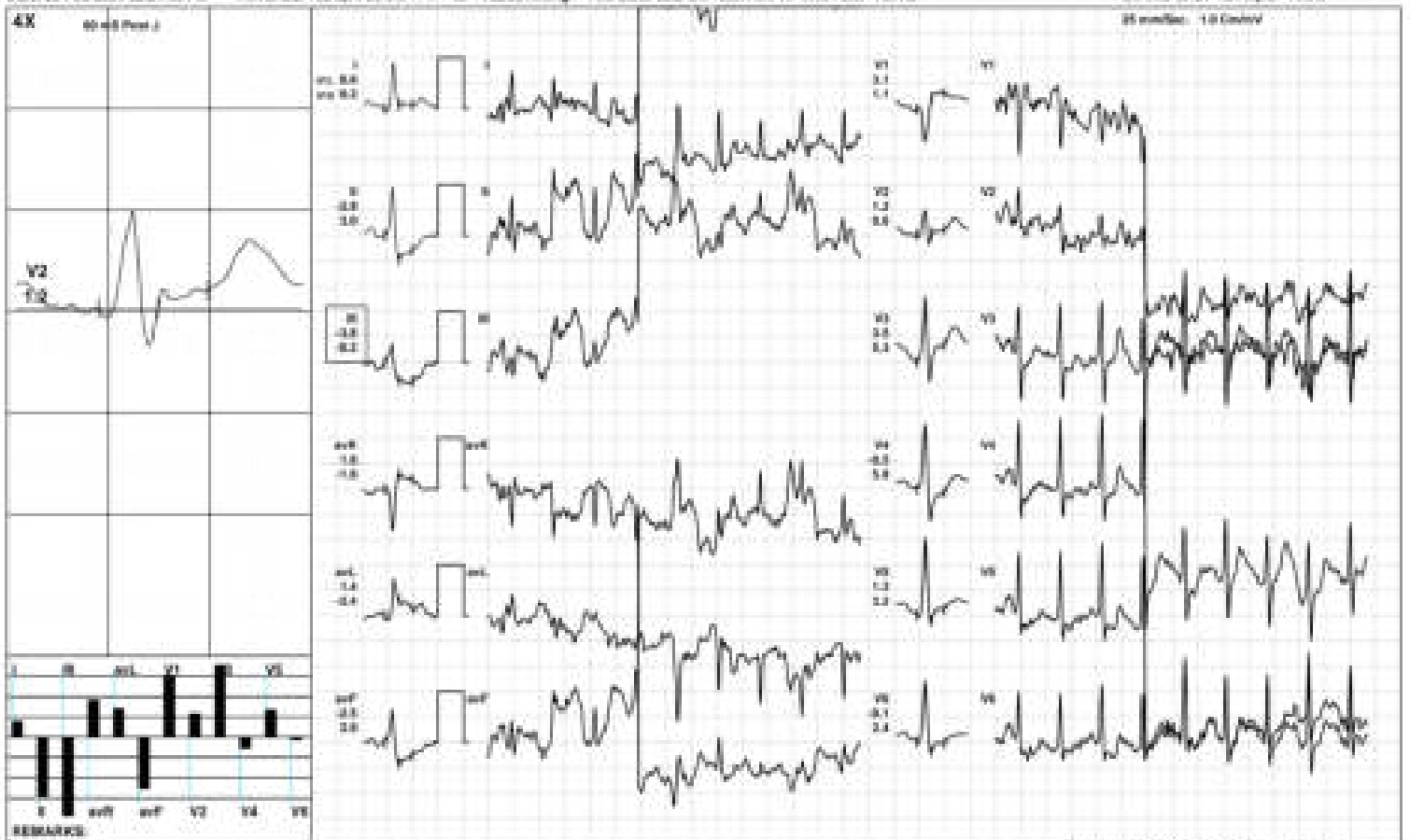
AAROGYAM DIAGNOSTICS



2510 / MR. DEVBRAJ KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR : 180

Date: 26-Feb-2024 02:21:30 PM 60-150 bpm 180 bpm 95% of Time SpO2: 100% Res: 1200 P50: 0.0 P90: 0.0 P100: 0.0 P150: 0.0 P200: 0.0 P250: 0.0

ECG: 07:21 9.8 bpm 14.0%



(02082121700048)Handic by Allergens

AAROGYAM DIAGNOSTICS

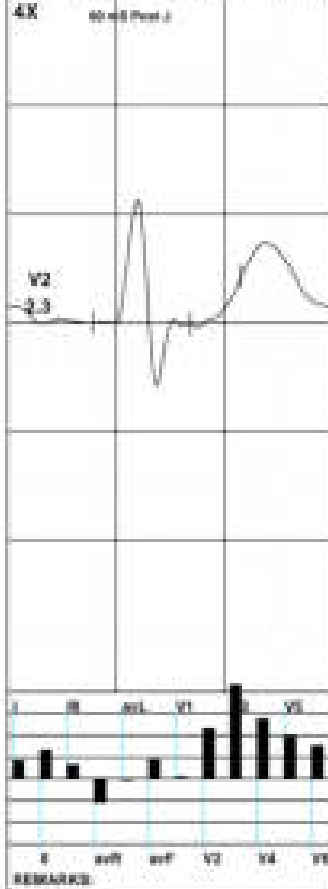
Recovery(1:00)



2510 / MR. DEVBRAJ KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR : 163

Date: 26-Feb-2024 02:21:30 PM MR TS: 1.27 163 bpm 88% of TMR BP: 120/80 mmHg Rate FCIS/PLC/Out/Normal/Out HP 0.05 Hz/FP 120 Hz

ExTime: 07:22 1.1 mpa 0.0%



(020821217000648)Hardc by Allergens

AAROGYAM DIAGNOSTICS

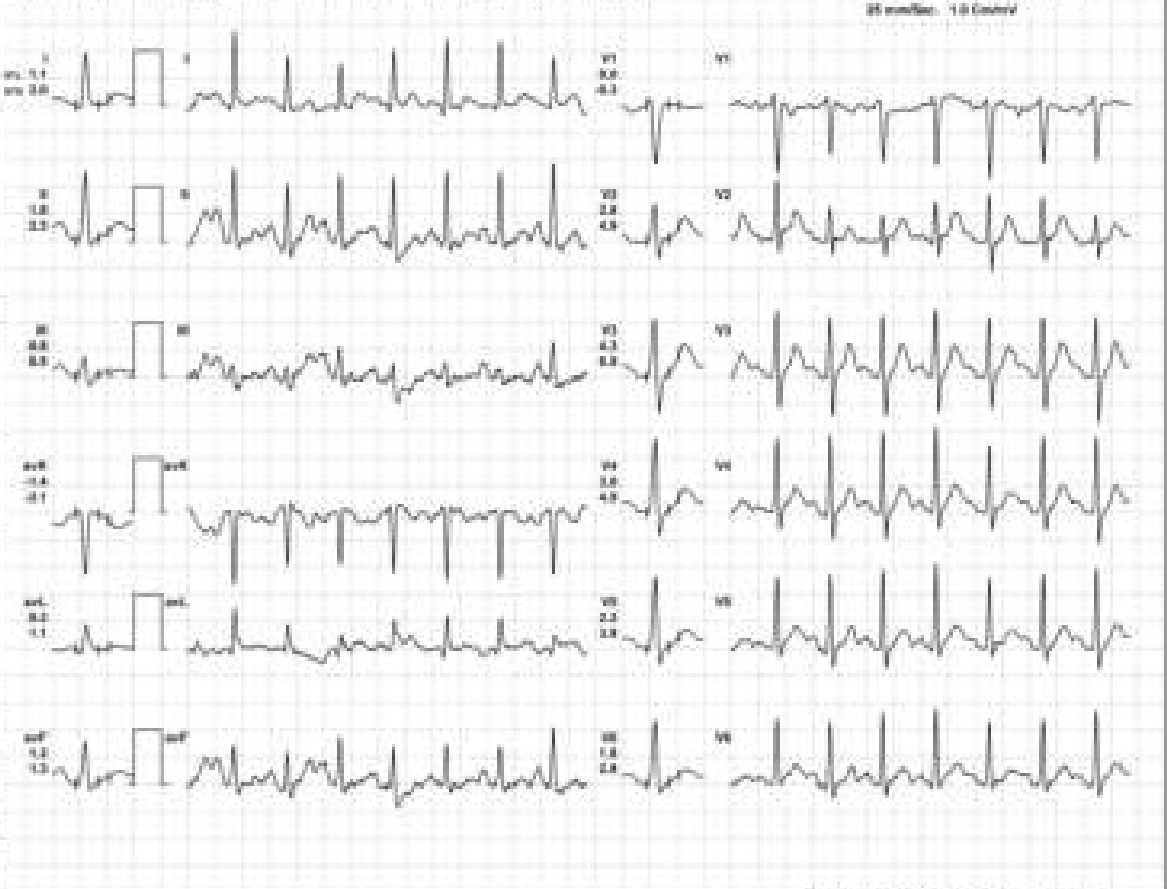
Recovery(2:00)



2510 / MR. DEVRAT KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR : 140

Date: 26-Feb-2024 02:21:30 PM MR TS: 1.02 148 bpm 78% of TMR BP: 120/85 mmHg Rate FCIS/PLC/Out/Normal/Out HP 0.05 Hz/FP 1.00 Hz

ExTime: 02:22 1.1 mV 0.05s



(020821217000648) made by Allergens

AAROGYAM DIAGNOSTICS

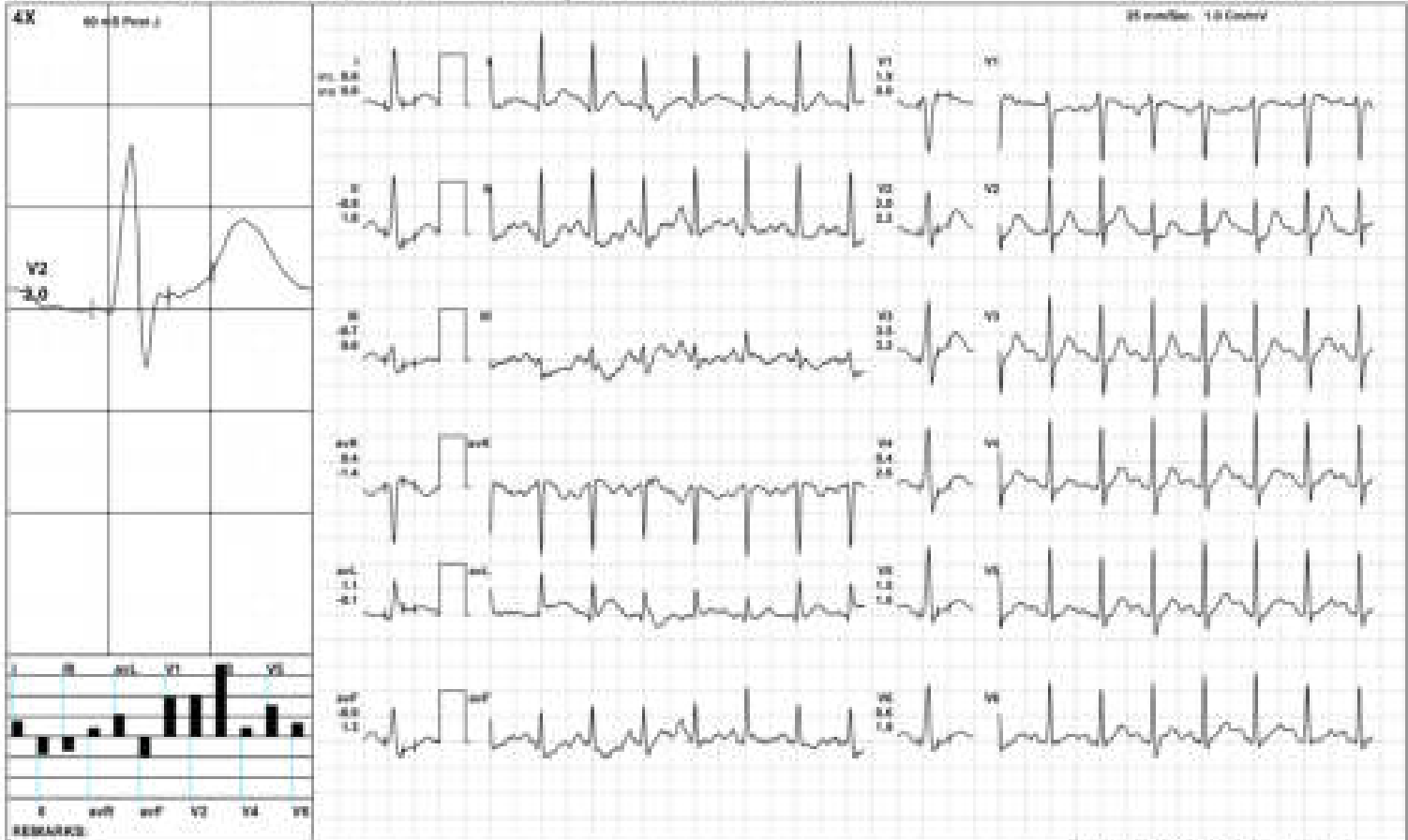
Recovery(3:22)



2510 / MR. DEVBRAT KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR : 144

Date: 26-Feb-2024 02:21:30 PM LEads: 12/144 bpm 75% of Time BP: 120/80 mmHg Rate: P/QR/BLD/QR/Normal/QR/HR 0.05 Hz/PR 1.00 Hz

ECG time: 02:22 1.1 mV 0.05s



(02082121700048)Handic by Allergens

AAROGYAM DIAGNOSTICS

ST Measurements



2510 / MR. DEVBRAT KUMAR / 31 Yrs / M / 164 Cms / 93 Kg / HR : 98

Date: 26-Feb-2024 02:21:30 PM

Protocol: (BRICE)

	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(mv)Supine	1.1	0.7	-0.3	-0.9	0.7	0.2	0.5	3.6	2.3	1.5	1.1	0.8	1.2	0.7	-0.5	-0.9	0.8	0.1	0.0	2.9	1.8	1.1	0.8	0.6	
60 bpm Standing	1.1	0.7	-0.3	-0.9	0.7	0.2	0.5	3.6	2.3	1.5	1.1	0.8	1.2	0.7	-0.5	-0.9	0.8	0.1	0.0	2.9	1.8	1.1	0.8	0.6	
HV	1.1	0.7	-0.3	-0.9	0.7	0.2	0.5	3.6	2.3	1.5	1.1	0.8	1.2	0.7	-0.5	-0.9	0.8	0.1	0.0	2.9	1.8	1.1	0.8	0.6	
Warm Up	1.1	0.7	-0.3	-0.9	0.7	0.2	0.5	3.6	2.3	1.5	1.1	0.8	1.2	0.7	-0.5	-0.9	0.8	0.1	0.0	2.9	1.8	1.1	0.8	0.6	
ExStart	0.5	0.4	0.0	-0.5	0.3	0.1	0.4	3.8	2.4	1.5	1.0	0.7	0.7	0.8	0.0	-0.7	0.3	0.4	-0.1	2.7	2.0	1.4	1.0	0.8	
Stage 1	0.0	0.2	0.2	-0.1	0.0	0.2	0.0	1.8	2.6	1.3	0.8	0.2	0.9	1.2	0.3	-1.1	0.4	0.7	-0.6	2.6	4.1	2.5	1.7	0.9	
Stage 2	-0.3	-3.3	-1.3	2.2	0.9	-2.8	2.4	1.8	3.2	0.4	1.2	0.7	0.1	0.8	0.2	-0.6	-1.2	0.9	0.2	1.8	4.7	4.1	2.8	2.6	
PeakEx	0.8	-2.9	-3.8	1.8	1.4	-2.5	3.1	1.2	3.5	-0.5	1.3	-0.1	0.2	3.0	-0.2	-1.8	-2.4	2.9	1.1	0.8	5.3	5.8	3.2	2.4	
Recovery	0.8	1.8	1.3	-1.3	-0.3	1.3	0.2	2.4	4.8	2.9	2.1	1.5	2.2	2.8	0.8	-2.9	0.7	1.7	0.0	4.0	7.5	5.5	4.2	3.2	
Recovery	0.3	-0.8	-0.4	0.5	0.7	-0.7	1.0	0.5	1.3	-0.2	0.8	-0.2	0.1	0.8	0.5	-0.6	-0.2	0.7	-0.6	0.2	0.0	0.7	0.1	0.3	
Recovery	0.8	-0.9	-0.7	0.4	1.1	-0.9	1.9	3.0	3.5	0.4	1.5	0.8	0.8	1.8	0.6	-1.4	-0.1	1.3	0.0	2.2	3.2	2.6	1.8	1.9	

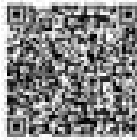
	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
STtj(Vs)												
Supine	6.8	4.6	-2.1	-5.8	4.4	1.2	3.6	23.5	14.1	9.0	6.8	4.9
Standing	6.8	4.6	-2.1	-5.8	4.4	1.2	3.6	23.5	14.1	9.0	6.8	4.9
HV	6.8	4.6	-2.1	-5.8	4.4	1.2	3.6	23.5	14.1	9.0	6.8	4.9
Warm Up	6.8	4.6	-2.1	-5.8	4.4	1.2	3.6	23.5	14.1	9.0	6.8	4.9
ExStart	2.7	1.2	-0.7	-1.9	2.2	-0.2	3.3	14.7	12.6	7.5	5.1	3.3
Stage 1	-1.2	-0.5	0.9	0.9	-0.5	0.1	0.4	5.5	7.7	2.8	1.8	-0.3
Stage 2	-2.5	-22.3	-7.8	14.7	8.8	-17.3	15.0	6.1	11.2	-3.7	3.0	-0.8
PeakEx	5.3	-22.1	-23.5	13.4	14.2	-20.0	16.1	5.1	16.0	-10.0	5.7	-2.6
Recovery	-0.1	4.0	5.7	-2.0	-3.3	4.0	2.1	4.8	11.5	6.5	4.4	3.2
Recovery	1.7	-0.0	-0.4	4.0	4.8	-0.5	7.0	2.5	8.0	-2.1	4.7	0.8
Recovery	2.6	-5.3	-4.8	5.3	6.1	-7.7	11.9	7.2	14.6	-3.5	5.8	1.0



PATNAM

2019 / MR. DEVENKAT KUMAR / 31 Yrs / Male / 164 Cm / 63 Kg

Time	HR	PR (b)	QRS (ms)	QRS Axis	QTc	P (mV)	Q (mV)	R (mV)	T (mV)	Min. J Leads for Min. Post (R) Star	MEB	Missed Beats			
(Min.)	(Max)	(Min)	(Max)	(Min)	(Max)	(Max)	(Max)	(Min)	(Max)	(mV) (J & R) (mV)	(%)	(Counts)			
00:30	77	72	82	27	479	167	1286	-1229	421	82	0	0			
01:00	72	74	84	24	494	214	1294	-1229	379	-84	0	0			
01:30	73	74	84	-69	124	1542	1745	-1248	1745	-1294	0	0			
02:00	74	73	72	32	443	228	1284	-1188	309	140	avL	-34	0.00	0	0
02:30	74	73	84	31	429	583	1470	-1157	344	33	avL	-31	0.00	0	0
03:00	73	73	74	37	421	222	1291	-1099	444	-101	0	-69	0.00	0	0
03:30	74	73	88	41	426	469	1447	-1093	348	-59	V1	-103	0.00	0	0
04:00	73	73	76	38	421	440	1479	-1040	352	27	avL	87	0.00	0	0
04:30	73	70	70	23	391	434	1284	-921	424	-212	0	-297	0.00	0	0
05:00	74	84	76	27	410	224	1279	-1044	340	-130	V4	9	0.00	0	0
05:30	73	74	74	44	407	404	1372	-1014	385	19	avL	-77	0.00	0	0
06:00	74	72	74	22	392	287	1290	-894	423	18	I	-123	0.00	0	0
06:30	73	74	74	28	399	227	1212	-1021	-403	-284	V5	-128	0.00	0	0
07:00	74	88	68	21	412	332	1147	-1030	297	-194	0	-124	0.00	0	0
07:30	72	88	70	28	314	234	1329	-1012	419	-144	I	-72	0.00	0	0
08:00	73	88	52	-38	305	1111	1858	-1285	1204	-1173	0	-914	0.00	0	0
08:30	74	72	-110	28	21	-1719	1218	-1717	-1799	-1744	0	-1719	0.00	0	0
09:00	74	78	68	37	405	204	1284	-842	397	-11	avL	-49	0.00	0	0
09:30	74	84	72	33	422	247	1264	-1018	547	3	avL	-33	0.00	0	0
10:00	73	74	52	-78	399	-2119	2112	-2112	-2252	-2144	0	-2138	0.00	0	0
10:30	74	72	64	32	411	289	1288	-1147	371	74	avL	-20	0.00	0	0
11:00	74	73	62	33	409	450	1391	-1222	489	37	avL	-50	0.00	0	0
11:30	74	71	52	41	452	470	1497	-1220	427	-30	V1	-52	0.00	0	0



MC-2024

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Phone: +91 79 49006000 | WhatsApp: 8358005700 | Email: info@unipath.in | Website: www.unipath.in
Regd. Of ce : 5th Floor, Doctor House, Nr. Parimal Garden, Ahmedabad-380006 Gujarat
CIN: U85195GJ2009PLC057059



40204100430

TEST REPORT

Reg.No	: 40204100430	Reg.Date	: 27-Feb-2024 14:01	Collection	: 27-Feb-2024 14:01
Name	: DEVBRAT KUMAR	Received	: 27-Feb-2024 14:01	Report	: 27-Feb-2024 15:23
Age	: 31 Years	Sex	: Male	Dispatch	: 27-Feb-2024 15:43
Referred By	: AARDGYAM DIAGNOSTICS @ PATNA	Status	: Final	Location	: 41 - PATNA
Referral Dr	: □				

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine), Total <small>CHEM</small>	1.53	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CHEM</small>	10.34	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) <small>CHEM</small>	2.767	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 stimulates the thyroid gland to synthesize and secrete T3 and T4. Quantification of TSH is significant to differentiate primary (thyroid) from secondary (pituitary) and tertiary (hypothalamic) 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.Aschwood,David E.Bruni. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, 5th Edition, Philadelphia: WB Saunders,2012:2170

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

Dr. Vidhi Patel

M.D. BIOCHEMISTRY
Reg. No.: G-34735