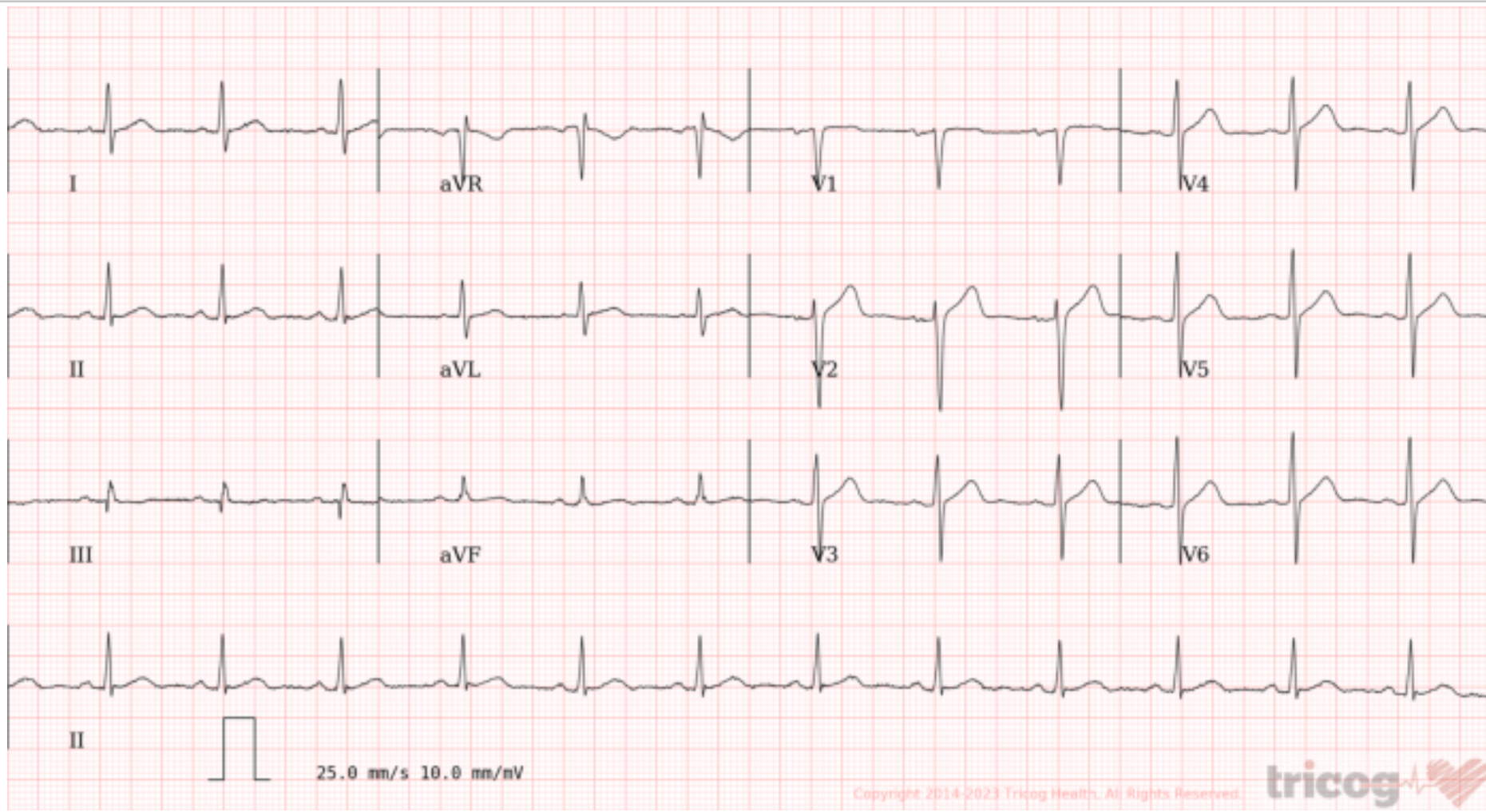


# SUBURBAN DIAGNOSTICS - KALINA, SANTACRUZ EAST



Patient Name: THIRUMUTHU KUMARAN  
Patient ID: 2335720803

Date and Time: 23rd Dec 23 1:17 PM



Age **35** **NA** **NA**  
years months days

Gender **Male**

Heart Rate **78bpm**

### Patient Vitals

BP: NA  
Weight: NA  
Height: NA  
Pulse: NA  
Spo2: NA  
Resp: NA  
Others: \_\_\_\_\_

### Measurements

QRSD: 80ms  
QT: 360ms  
QTcB: 410ms  
PR: 156ms  
P-R-T: 58° 41° 27°

ECG Within Normal Limits: Sinus Rhythm. Please correlate clinically.

REPORTED BY

Dr Naveed Sheikh  
PGDCC  
2016/11/4694



## Suburban Diagnostics Kalina

**Patient Details**                      **Date:** 23-Dec-23                      **Time:** 1:55:42 PM  
**Name:** MR. THIRUMUTHU KUMARAN ID: 2335720803  
**Age:** 35 y                                      **Sex:** M                                      **Height:** 178 cms                                      **Weight:** 85 Kgs  
**Clinical History:** Routine Test

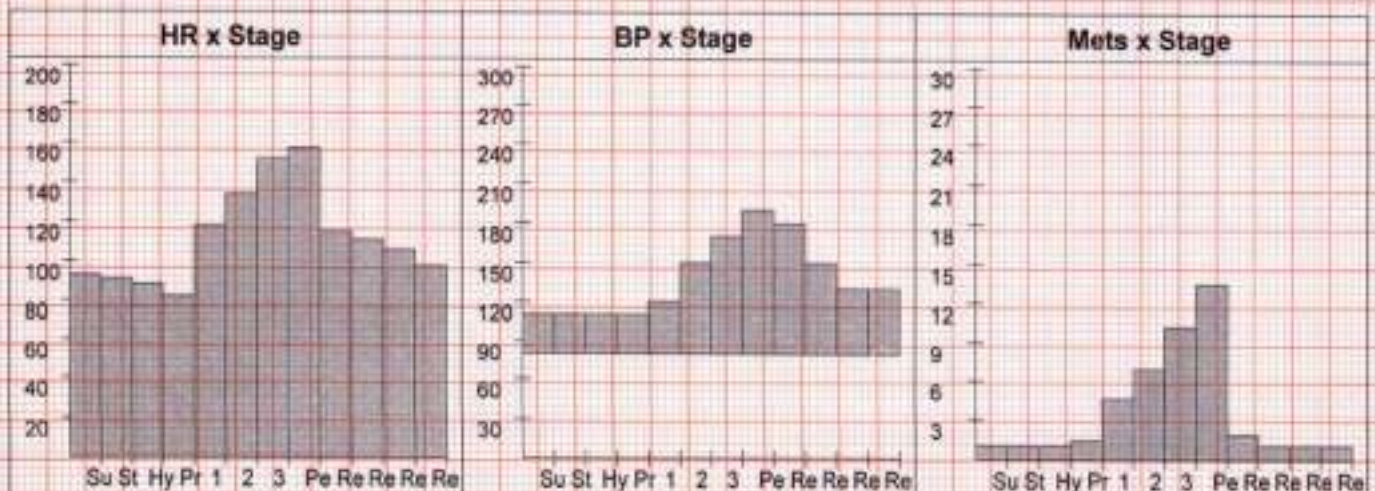
**Medications:** NONE

### Test Details

**Protocol:** Bruce                                      **Pr.MHR:** 185 bpm                                      **THR:** 157 (85 % of Pr.MHR) bpm  
**Total Exec. Time:** 9 m 34 s                                      **Max. HR:** 157 (85% of Pr.MHR) bpm                                      **Max. Mets:** 13.50  
**Max. BP:** 190 / 80 mmHg                                      **Max. BP x HR:** 29830 mmHg/min                                      **Min. BP x HR:** 7040 mmHg/min  
**Test Termination Criteria:** Target HR attained

### Protocol Details

Stage Name	Stage Time (min : sec)	Mets	Speed (mph)	Grade (%)	Heart Rate (bpm)	Max. BP (mm/Hg)	Max. ST Level (mm)	Max. ST Slope (mV/s)
Supine	0 : 55	1.0	0	0	93	110 / 80	-1.70 aVR	2.12 I
Standing	0 : 9	1.0	0	0	91	110 / 80	-1.06 aVR	1.77 II
Hyperventilation	0 : 6	1.0	0	0	88	110 / 80	-1.06 aVR	2.12 V2
1	3 : 0	4.6	1.7	10	118	120 / 80	-1.70 aVR	3.18 I
2	3 : 0	7.0	2.5	12	134	150 / 80	-1.49 III	3.18 II
3	3 : 0	10.2	3.4	14	152	170 / 80	-2.12 III	3.18 II
Peak Ex	0 : 34	13.5	4.2	16	157	190 / 80	-1.70 III	3.89 V2
Recovery(1)	2 : 0	1.8	1	0	115	180 / 80	-1.70 aVR	4.60 II
Recovery(2)	2 : 0	1.0	0	0	111	150 / 80	-1.49 aVR	3.18 II
Recovery(3)	2 : 0	1.0	0	0	106	130 / 80	-1.49 III	-2.12 aVR
Recovery(4)	0 : 52	1.0	0	0	98	130 / 80	-1.27 III	2.12 V2





## Suburban Diagnostics Kalina

### Patient Details

Date: 23-Dec-23

Time: 1:55:42 PM

Name: MR. THIRUMUTHU KUMARAN ID: 2335720803

Age: 35 y

Sex: M

Height: 178 cms


Weight: 85 Kgs

### Interpretation

GOOD EFFORT TOLERENCE  
NORMAL HEART RATE RESPONSE  
NORMAL BLOOD PRESSURE RESPONSE  
NO ANGINA/ANGINA EQUIVALENTS  
NO ARRHYTHMIAS  
NO SIGNIFICANT ST-T CHANGES NOTED AS COMPARED TO BASELINE  
ECG  
IMPRESSION : STRESS TEST IS NEGATIVE FOR INDUCIBLE ISCHAEMIA

Disclaimer: Negative stress test does not rule out Coronary Artery Disease  
Positive stress test is suggestive but not confirmatory of coronary artery disease  
Hence clinical correlation is mandatory

Suburban Diagnostics (I) Pvt. Ltd.  
1st Floor, Herhajan, Above HDFC Bank,  
Opp. Nifa Petrol Pump, Kalina, CST Road,  
Santacruz (East),  
Tel. No. 022-61700000



DR. SHEIKH NAVEED  
MBBS/PGDCC  
Clinical Cardiologist  
Reg. No. 2016/11/4694

Ref. Doctor: .....

Doctor: NAVEED SHEIKH

( Summary Report edited by user )



# Suburban Diagnostics Kalina

**MR. THIRUMUTHU KUMARAN (35 M)**

ID: 2335720803

Date: 23-Dec-23

B.P: 110 / 80

Protocol: Bruce

Stage: Supine

Speed: 0 mph

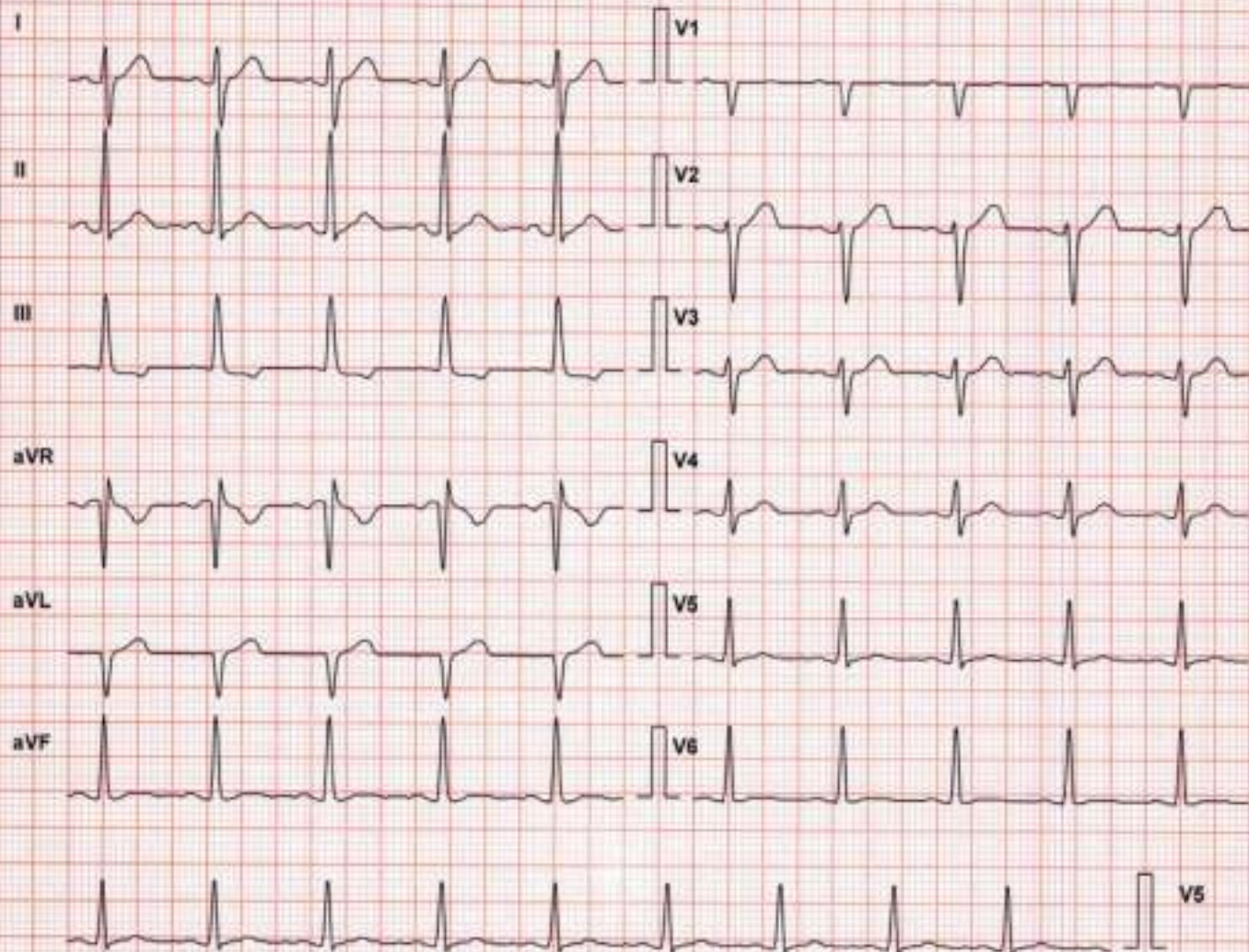
Grade: 0 %

Exec Time : 0 m 0 s

Stage Time : 0 m 49 s

**HR: 90 bpm**

(THR: 157 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	1.5	1.4
II	1.3	1.8
III	-0.8	-0.4
aVR	-1.1	-1.1
aVL	0.6	1.1
aVF	0.4	0.7
V1	0.0	0.0
V2	1.7	1.8
V3	1.1	0.7
V4	0.6	0.7
V5	0.6	0.4
V6	0.4	0.7

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

Schiller Spandan V4.51

iso = R - 60 ms

J = R + 60 ms

Post J = J + 60 ms

Linked Median



# Suburban Diagnostics Kalina

**MR. THIRUMUTHU KUMARAN (35 M)**

ID: 2335720803

Date: 23-Dec-23

B.P: 110 / 80

Protocol: Bruce

Stage: Standing

Speed: 0 mph

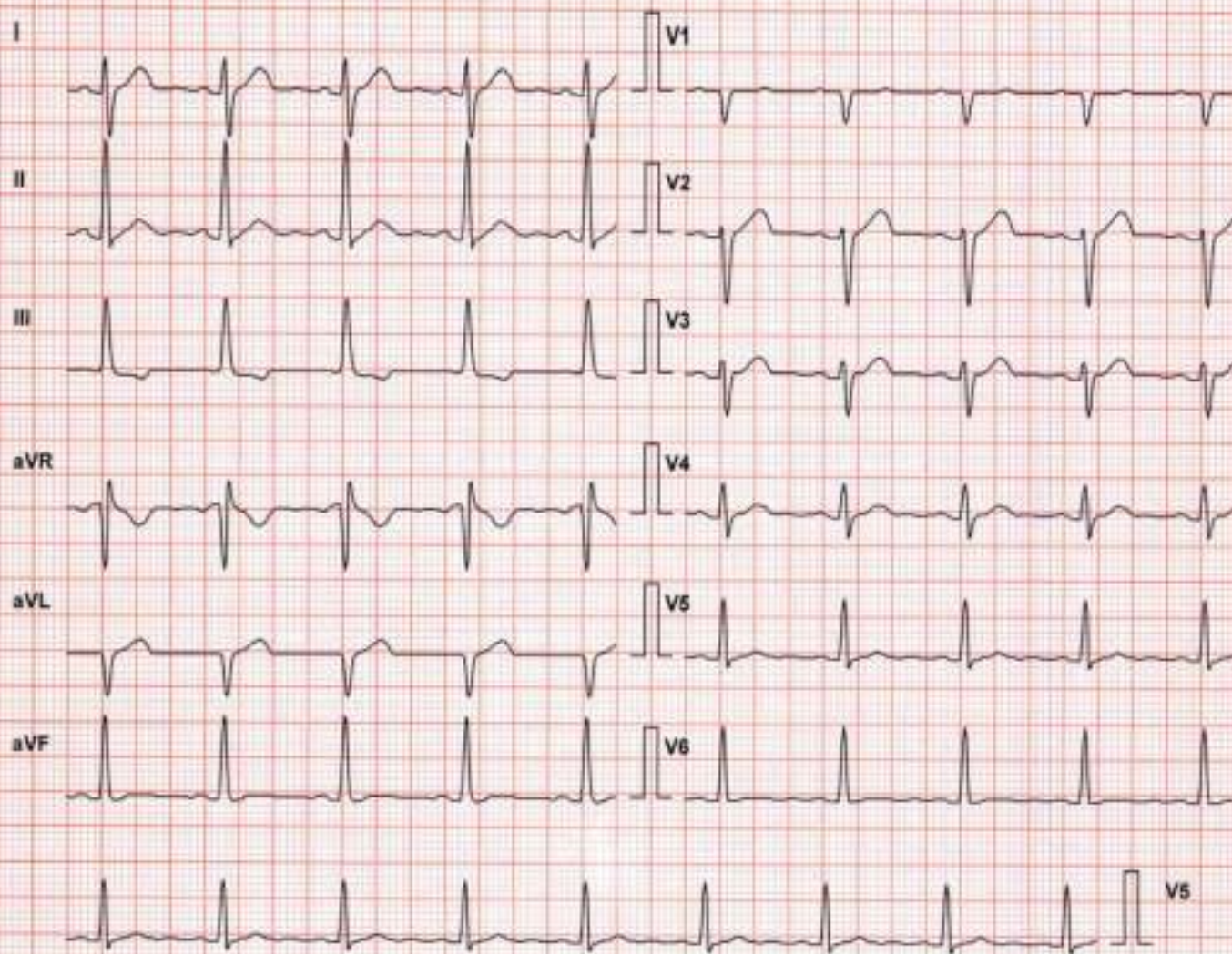
Grade: 0 %

Exec Time : 0 m 0 s

Stage Time : 0 m 3 s

**HR: 84 bpm**

(THR: 157 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	1.3	1.4
II	1.3	1.8
III	-0.4	-0.4
aVR	-1.3	-1.4
aVL	0.6	1.1
aVF	0.4	0.7
V1	0.0	0.0
V2	1.9	2.1
V3	1.1	0.7
V4	0.8	0.7
V5	0.4	0.4
V6	0.4	0.7

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

Schler Spandan V 4.51

iso = R - 90 ms J = R + 60 ms

Post J = J + 60 ms

Linked Median



MR. THIRUMUTHU KUMARAN (35 M)

ID: 2335720803

Date: 23-Dec-23

B.P: 110 / 80

Protocol: Bruce

Stage: Hyperventilation

Speed: 0 mph

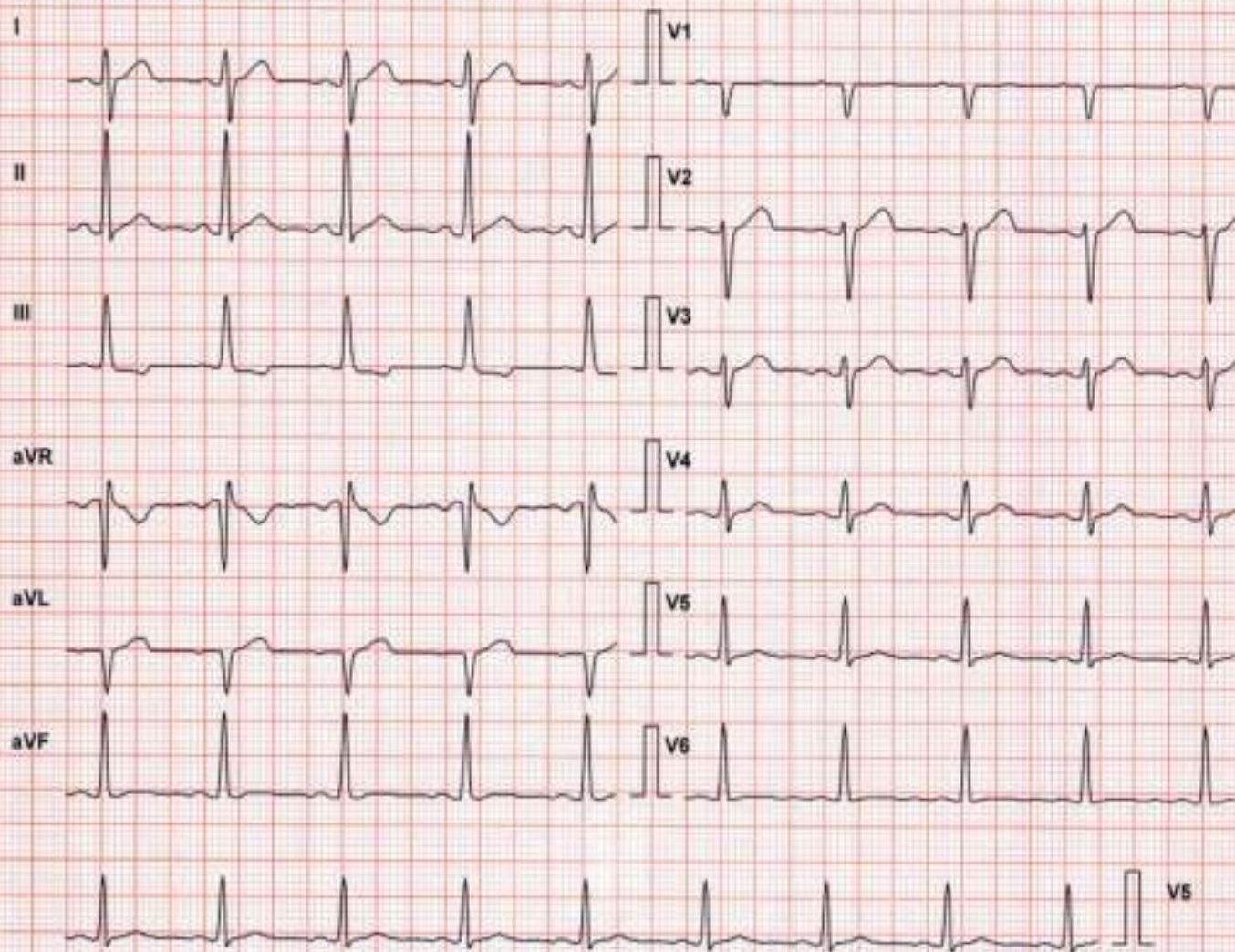
Grade: 0 %

Exec Time : 0 m 0 s

Stage Time : 0 m 0 s

HR: 84 bpm

(THR: 157 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	1.5	0.6
II	1.3	0.6
III	-0.4	0.4
aVR	-1.3	0.4
aVL	0.6	0.4
aVF	0.4	0.7
V1	0.0	0.4
V2	1.7	0.6
V3	1.3	0.4
V4	0.6	0.4
V5	0.6	0.4
V6	0.4	0.7

Chart Speed: 25 mm/sec  
Schiller Spandian V 4.51

Filter: 35 Hz  
Iso = R - 60 ms J = R + 60 ms

Mains Filt: ON  
Post J = J + 60 ms

Amp: 10 mm  
Linked Median



# Suburban Diagnostics Kalina

**MR. THIRUMUTHU KUMARAN (35 M)**

ID: 2335720803

Date: 23-Dec-23

B.P: 120 / 80

Protocol: Bruce

Stage: 1

Speed: 1.7 mph

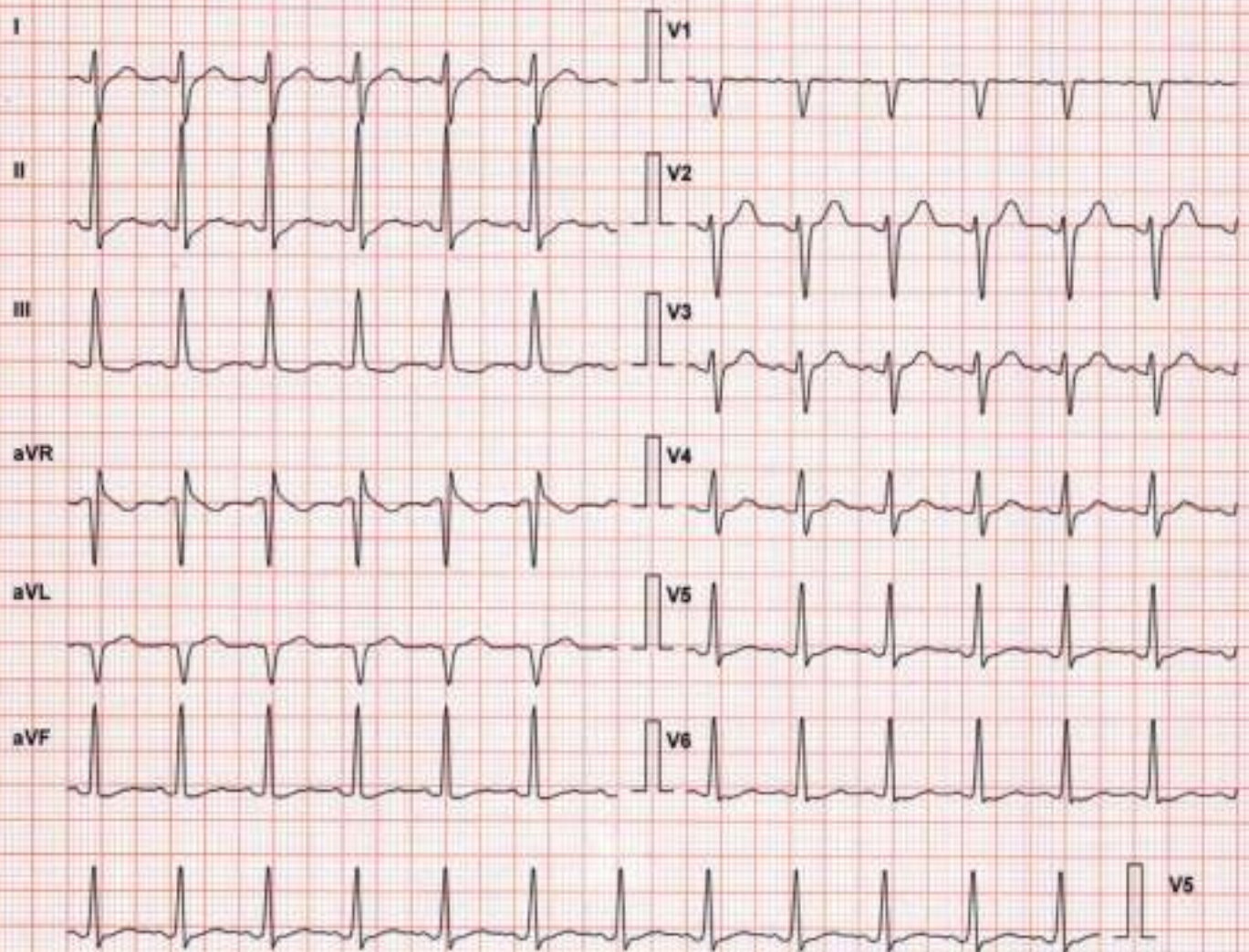
Grade: 10 %

Exec Time : 2 m 54 s

Stage Time : 2 m 54 s

**HR: 116 bpm**

(THR: 157 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.6	1.4
II	0.4	1.8
III	-0.4	-0.4
aVR	-0.8	-1.8
aVL	0.6	1.1
aVF	0.0	0.7
V1	0.2	-0.4
V2	1.9	1.8
V3	1.3	0.7
V4	0.6	1.1
V5	0.4	0.7
V6	0.0	0.4

Chart Speed: 25 mm/sec  
Schiller Spandan V 4.51

Filter: 35 Hz  
Iso = R - 60 ms J = R + 60 ms

Mains Filt: ON  
Post J = J + 60 ms

Amp: 10 mm  
Linked Median





# Suburban Diagnostics Kalina

MR. THIRUMUTHU KUMARAN (35 M)

ID: 2335720803

Date: 23-Dec-23

B.P: 150 / 80

Protocol: Bruce

Stage: 2

Speed: 2.5 mph

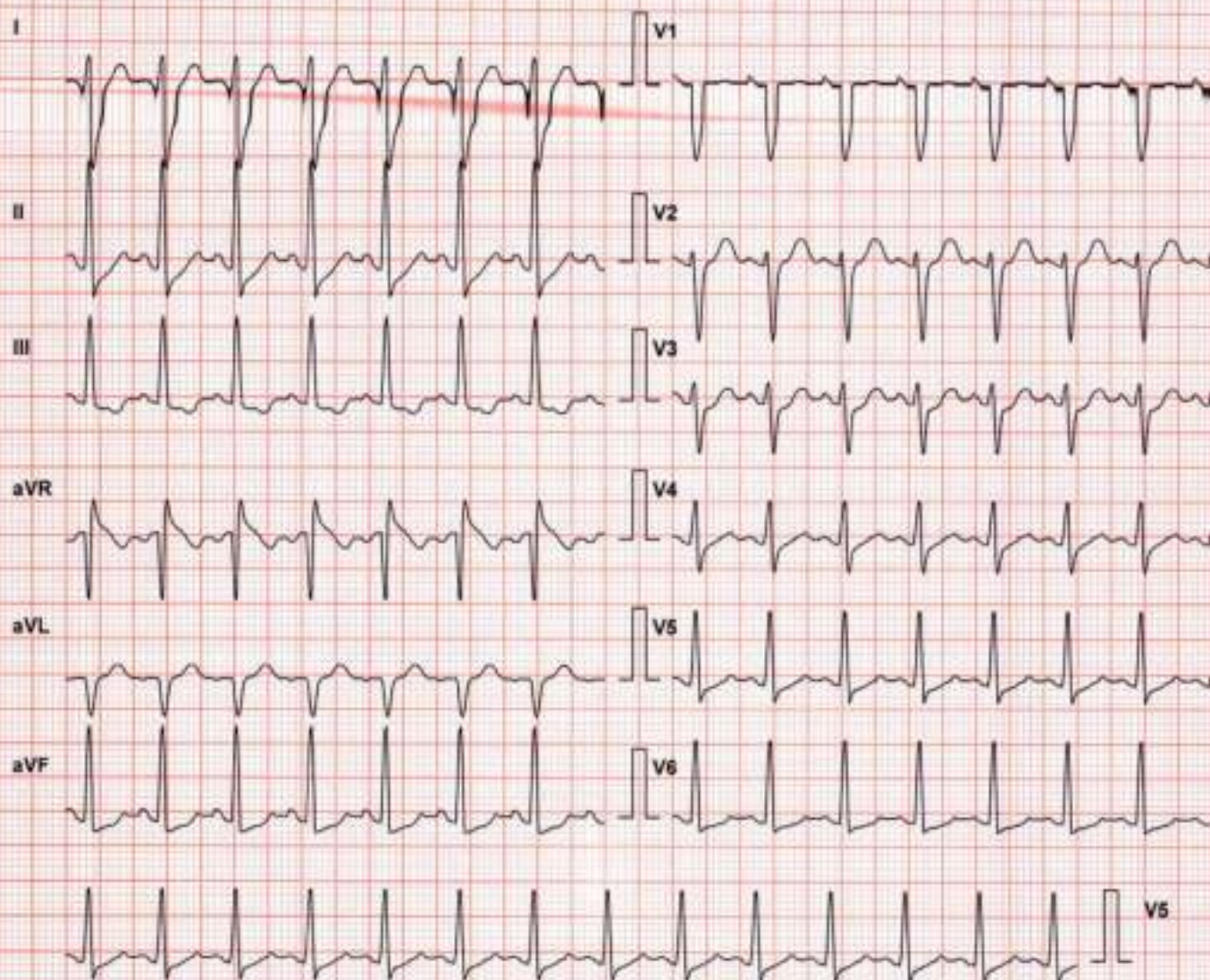
Grade: 12 %

Exec Time : 5 m 54 s

Stage Time : 2 m 54 s

HR: 132 bpm

(THR: 157 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.4	2.1
II	-0.4	2.1
III	-1.1	-0.4
aVR	-0.4	-2.5
aVL	0.8	1.4
aVF	-0.8	1.1
V1	0.2	0.0
V2	1.5	1.8
V3	0.4	1.8
V4	0.4	1.4
V5	0.0	1.1
V6	-0.2	1.1

Chart Speed: 25 mm/sec

Schiller Spandan V4.5f

Filter: 35 Hz

iso = R - 60 ms J = R + 60 ms

Mains Filtr: ON

Post J = J + 60 ms

Amp: 10 mm

Linked Median



# Suburban Diagnostics Kalina

**MR. THIRUMUTHU KUMARAN (35 M)**

ID: 2335720803

Date: 23-Dec-23

B.P: 170 / 80

Protocol: Bruce

Stage: 3

Speed: 3.4 mph

Grade: 14 %

Exec Time : 8 m 54 s

Stage Time : 2 m 54 s

**HR: 153 bpm**

(THR: 157 bpm)

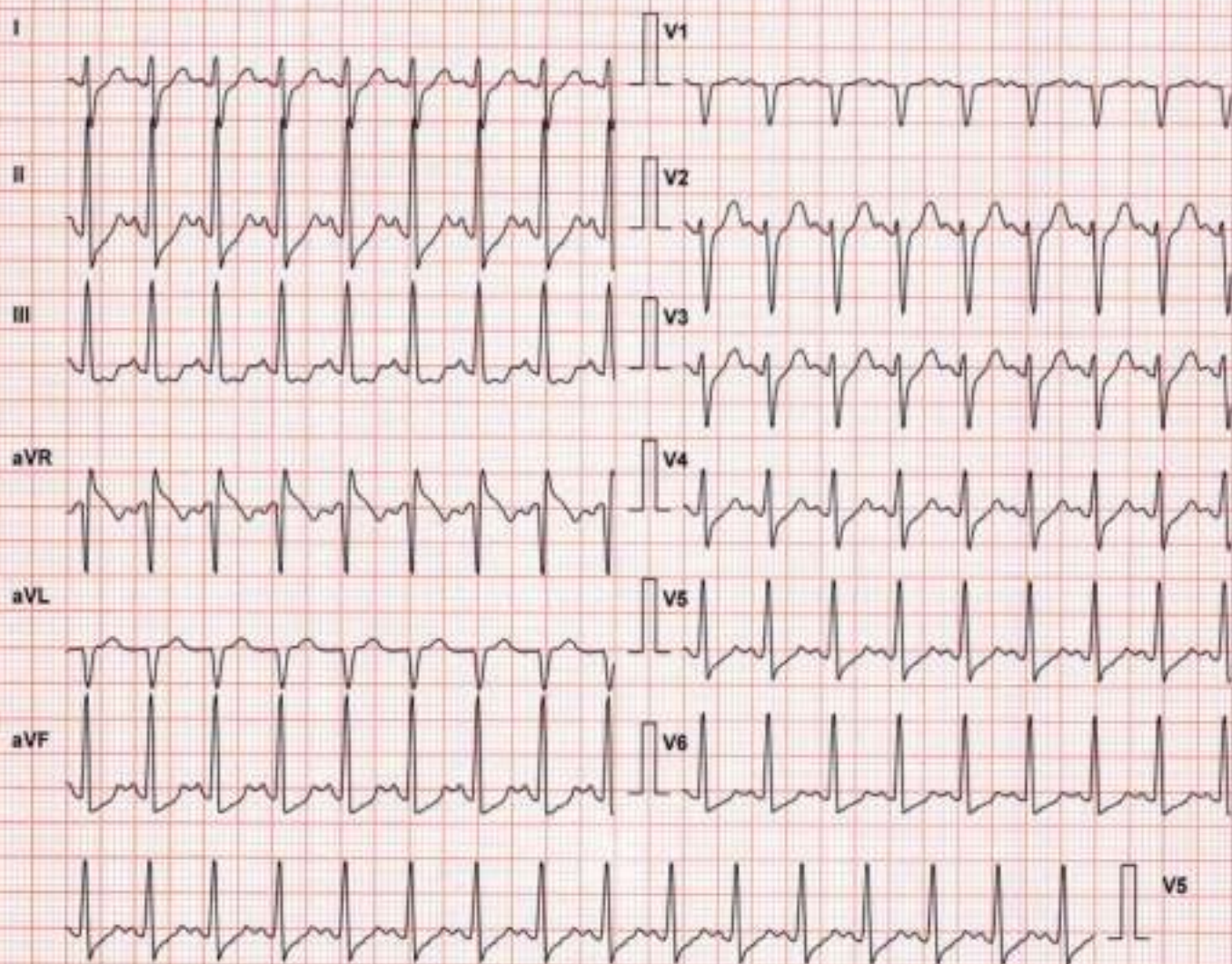


Chart Speed: 25 mm/sec

Schlier Spandan V4.51

Filter: 35 Hz

iso + R - 80 ms J - R + 60 ms

Mains Filt: ON

Post J - J + 60 ms

Amp: 10 mm

Linked Median



# Suburban Diagnostics Kalina

MR. THIRUMUTHU KUMARAN (35 M)

ID: 2335720803

Date: 23-Dec-23

B.P: 190 / 80

Protocol: Bruce

Stage: Peak Ex

Speed: 4.2 mph

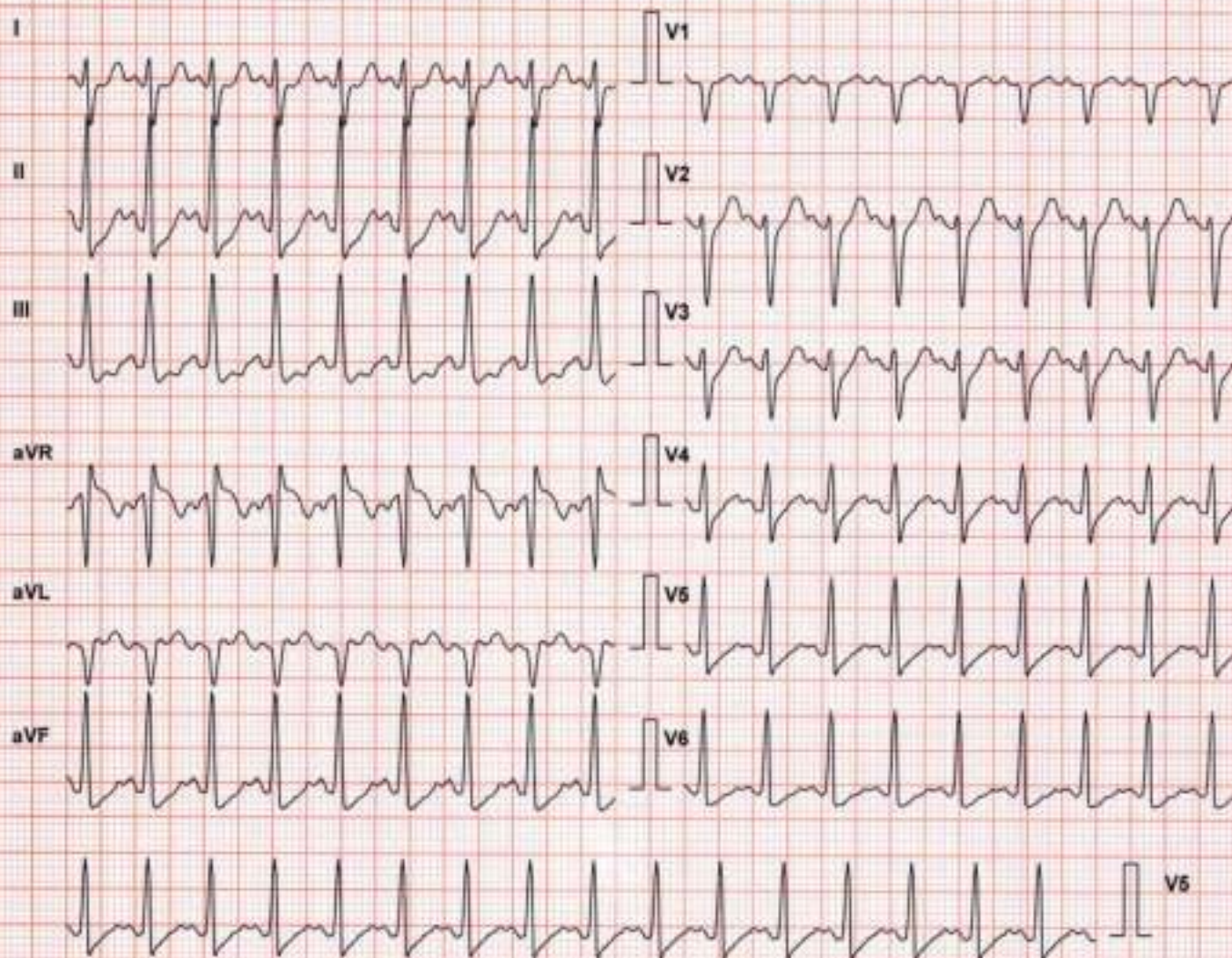
Grade: 16 %

Exec Time : 9 m 28 s

Stage Time : 0 m 28 s

HR: 158 bpm

(THR: 157 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.2	0.7
II	-0.2	2.8
III	-0.6	2.1
aVR	0.0	-2.1
aVL	0.4	-0.7
aVF	-0.6	2.1
V1	0.8	1.4
V2	2.5	3.9
V3	1.1	3.2
V4	1.1	3.2
V5	0.4	2.5
V6	0.0	1.8

Chart Speed: 25 mm/sec  
Schuler Spandau V.4.51

Filter: 35 Hz  
Iso = R - 60 ms J = R - 60 ms

Mains Filt: ON  
Post J = J + 60 ms

Amp: 10 mm  
Linked Median





# Suburban Diagnostics Kalina

MR. THIRUMUTHU KUMARAN (35 M)

ID: 2335720803

Date: 23-Dec-23

B.P: 180 / 80

Protocol: Bruce

Stage: Recovery(1)

Speed: 1 mph

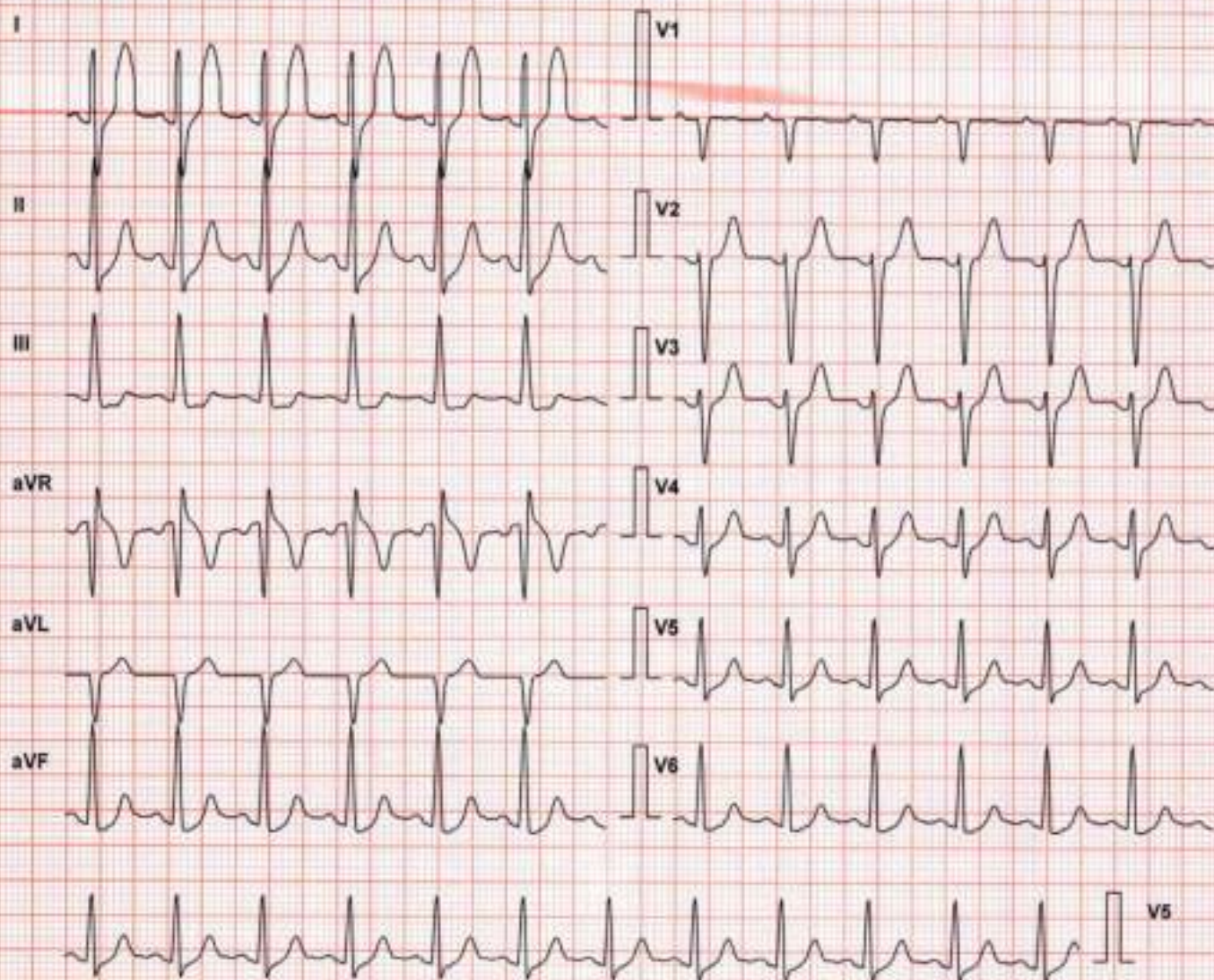
Grade: 0 %

Exec Time : 9 m 34 s

Stage Time : 1 m 54 s

HR: 115 bpm

(THR: 157 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	1.3	2.1
II	0.8	3.2
III	-0.8	0.4
aVR	-1.5	-3.2
aVL	0.8	1.4
aVF	0.0	1.8
V1	0.0	-0.4
V2	2.1	2.1
V3	1.5	1.8
V4	1.1	2.1
V5	0.4	1.8
V6	0.0	1.4

Chart Speed: 25 mm/sec

Schiller Spandan V 4.51

Filter: 35 Hz

Iso = R - 60 ms J = R + 60 ms

Mains Filt: ON

Post J = J + 60 ms

Amp: 10 mm

Linked Median





# Suburban Diagnostics Kalina

MR. THIRUMUTHU KUMARAN (35 M)

ID: 2335720803

Date: 23-Dec-23

B.P: 150 / 80

Protocol: Bruce

Stage: Recovery(2)

Speed: 0 mph

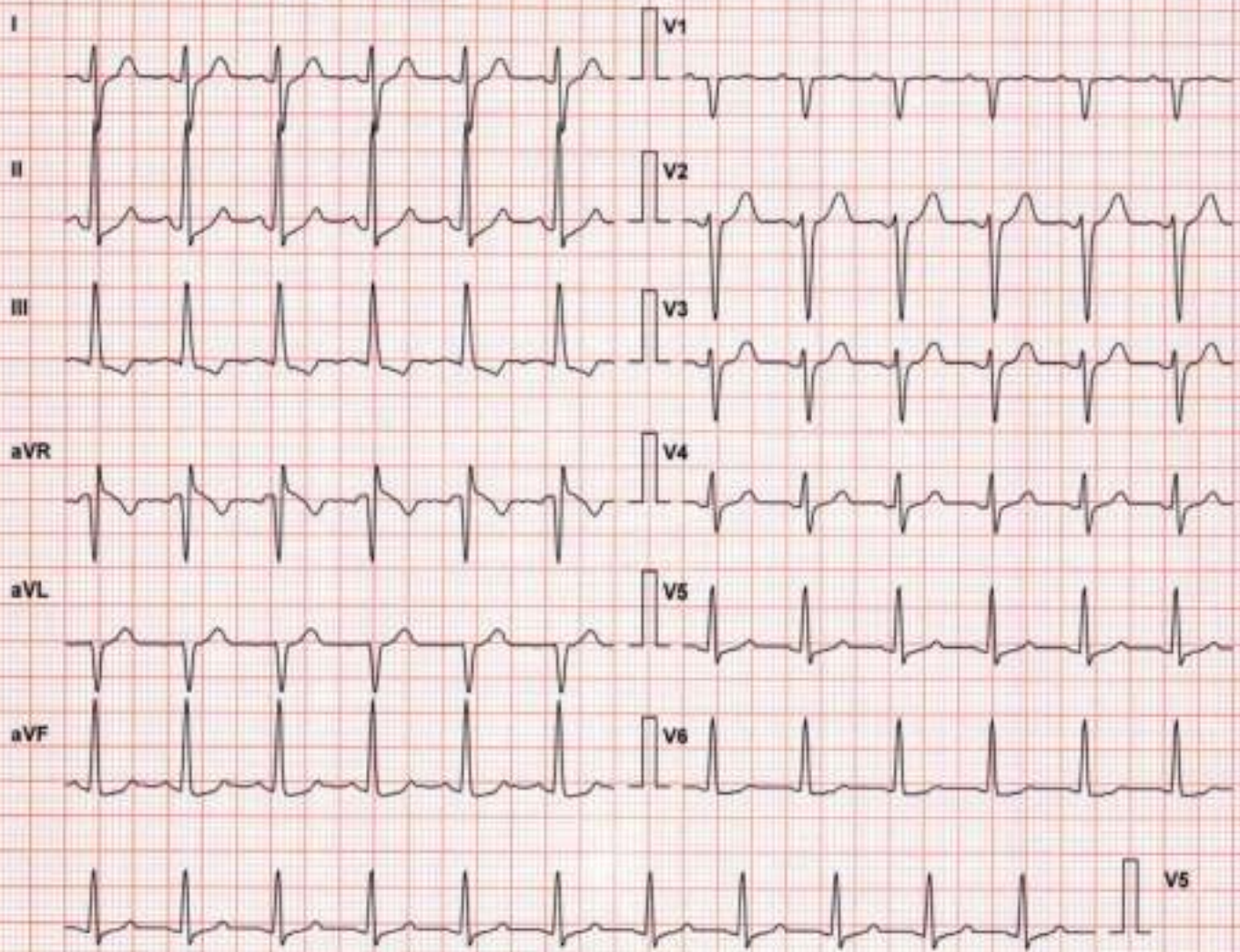
Grade: 0 %

Exec Time : 9 m 34 s

Stage Time : 1 m 54 s

HR: 109 bpm

(THR: 157 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.6	1.1
II	0.2	1.4
III	-0.8	-0.4
aVR	-0.4	-1.4
aVL	0.2	0.5
aVF	-0.4	0.7
V1	0.2	0.4
V2	1.5	1.8
V3	0.8	0.7
V4	0.6	0.7
V5	0.0	0.7
V6	-0.2	0.4

Chart Speed: 25 mm/sec

Schiller Spandan V 4.51

Filter: 35 Hz

Iso = R = 60 ms J = R = 60 ms

Mains Filtr: ON

Pool J = J = 60 ms

Amp: 10 mm

Linked Median



# Suburban Diagnostics Kalina

**MR. THIRUMUTHU KUMARAN (35 M)**

ID: 2335720803

Date: 23-Dec-23

B.P: 130 / 80

Protocol: Bruce

Stage: Recovery(3)

Speed: 0 mph

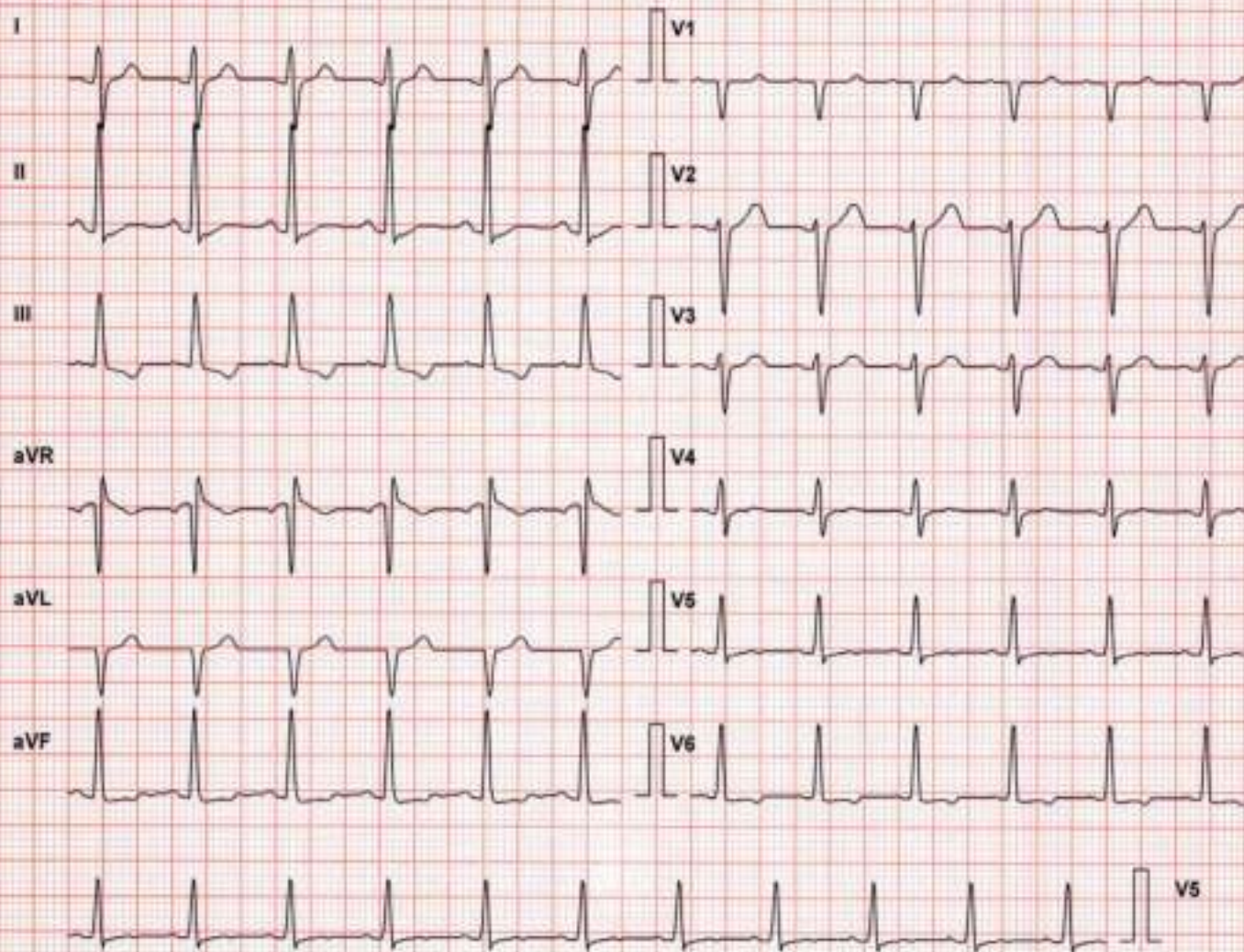
Grade: 0 %

Exec Time : 9 m 34 s

Stage Time : 1 m 54 s

**HR: 106 bpm**

(THR: 157 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.6	0.7
II	0.2	1.1
III	-1.1	-0.7
aVR	-0.8	-1.4
aVL	0.4	0.7
aVF	-0.4	0.4
V1	0.0	0.0
V2	1.5	1.8
V3	0.6	0.4
V4	0.4	0.4
V5	0.0	0.4
V6	-0.2	0.4

Chart Speed: 25 mm/sec

Schiller Spandan V4.5f

Filter: 35 Hz

iso = R - 60 ms J = R + 60 ms

Mains Filtr: ON

Post J = J + 60 ms

Amp: 10 mm

Linked Median





# Suburban Diagnostics Kalina

MR. THIRUMUTHU KUMARAN (35 M)

ID: 2335720803

Date: 23-Dec-23

B.P: 130 / 80

Protocol: Bruce

Stage: Recovery(4)

Speed: 0 mph

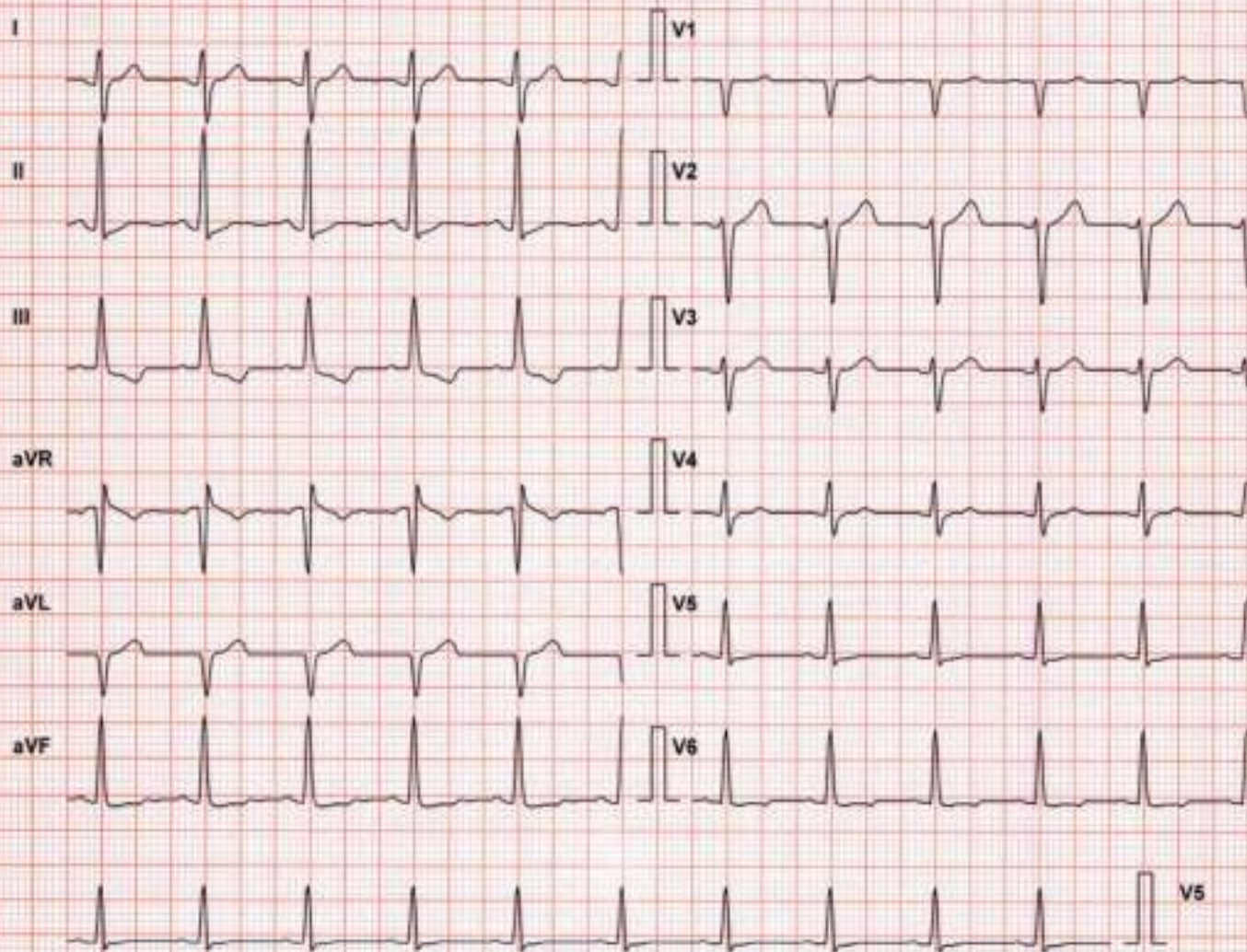
Grade: 0 %

Exec Time : 9 m 34 s

Stage Time : 0 m 46 s

HR: 98 bpm

(THR: 157 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.6	0.4
II	0.2	1.1
III	-0.8	-0.4
aVR	-0.6	-1.4
aVL	0.4	0.7
aVF	-0.4	0.0
V1	0.0	0.0
V2	1.3	1.4
V3	0.8	0.4
V4	0.2	0.4
V5	0.0	0.4
V6	-0.2	0.4

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

Schiller Spandax V4.51

100 = R - 60 ms J = R + 60 ms

Post J = J + 60 ms

Linked Median







CID : 2335720803  
Name : MR. THIRUMUTHU KUMARAN  
Age / Gender : 35 Years / Male  
Consulting Dr. : -  
Reg. Location : Kalina, Santacruz East (Main Centre)

Collected : 23-Dec-2023 / 10:05  
Reported : 23-Dec-2023 / 12:04

Use a QR Code Scanner  
Application To Scan the Code

**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

**CBC (Complete Blood Count), Blood**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
<b><u>RBC PARAMETERS</u></b>			
Haemoglobin	14.4	13.0-17.0 g/dL	Spectrophotometric
RBC	4.76	4.5-5.5 mil/cmm	Elect. Impedance
PCV	43.4	40-50 %	Calculated
MCV	91.1	81-101 fl	Measured
MCH	30.3	27-32 pg	Calculated
MCHC	33.2	31.5-34.5 g/dL	Calculated
RDW	12.8	11.6-14.0 %	Calculated
<b><u>WBC PARAMETERS</u></b>			
WBC Total Count	4750	4000-10000 /cmm	Elect. Impedance
<b><u>WBC DIFFERENTIAL AND ABSOLUTE COUNTS</u></b>			
Lymphocytes	36.0	20-40 %	
Absolute Lymphocytes	1700	1000-3000 /cmm	Calculated
Monocytes	7.0	2-10 %	
Absolute Monocytes	330	200-1000 /cmm	Calculated
Neutrophils	53.4	40-80 %	
Absolute Neutrophils	2530	2000-7000 /cmm	Calculated
Eosinophils	3.3	1-6 %	
Absolute Eosinophils	150	20-500 /cmm	Calculated
Basophils	0.3	0.1-2 %	
Absolute Basophils	20	20-100 /cmm	Calculated
Immature Leukocytes	-		
WBC Differential Count by Absorbance & Impedance method/Microscopy.			
<b><u>PLATELET PARAMETERS</u></b>			
Platelet Count	197000	150000-410000 /cmm	Elect. Impedance
MPV	8.5	6-11 fl	Measured
PDW	15.1	11-18 %	Calculated
<b><u>RBC MORPHOLOGY</u></b>			
Hypochromia	-		
Microcytosis	-		









**CID** : 2335720803  
**Name** : MR. THIRUMUTHU KUMARAN  
**Age / Gender** : 35 Years / Male  
**Consulting Dr.** : -  
**Reg. Location** : Kalina, Santacruz East (Main Centre)

**Collected** : 23-Dec-2023 / 10:05  
**Reported** : 23-Dec-2023 / 14:41

Use a QR Code Scanner  
Application To Scan the Code

**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	85.3	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	77.8	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.48	0.3-1.2 mg/dl	Vanadate oxidation
BILIRUBIN (DIRECT), Serum	0.20	0-0.3 mg/dl	Vanadate oxidation
BILIRUBIN (INDIRECT), Serum	0.28	<1.2 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.4	5.7-8.2 g/dL	Biuret
ALBUMIN, Serum	4.4	3.2-4.8 g/dL	BCG
GLOBULIN, Serum	3.0	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.5	1 - 2	Calculated
SGOT (AST), Serum	30.2	<34 U/L	Modified IFCC
SGPT (ALT), Serum	46.0	10-49 U/L	Modified IFCC
GAMMA GT, Serum	23.6	<73 U/L	Modified IFCC
ALKALINE PHOSPHATASE, Serum	106.0	46-116 U/L	Modified IFCC
BLOOD UREA, Serum	24.7	19.29-49.28 mg/dl	Calculated
BUN, Serum	11.5	9.0-23.0 mg/dl	Urease with GLDH
CREATININE, Serum	1.06	0.73-1.18 mg/dl	Enzymatic

Note: Kindly note in change in reference range w.e.f. 07-09-2023





Use a QR Code Scanner  
Application To Scan the Code

CID : 2335720803  
Name : MR. THIRUMUTHU KUMARAN  
Age / Gender : 35 Years / Male  
Consulting Dr. : -  
Reg. Location : Kalina, Santacruz East (Main Centre)

Collected : 23-Dec-2023 / 14:21  
Reported : 23-Dec-2023 / 18:47

eGFR, Serum	94	(ml/min/1.73sqm)	Calculated
		Normal or High: Above 90	
		Mild decrease: 60-89	
		Mild to moderate decrease: 45-59	
		Moderate to severe decrease: 30-44	
		Severe decrease: 15-29	
		Kidney failure: <15	

Note: eGFR estimation is calculated using 2021 CKD-EPI GFR equation w.e.f 16-08-2023

URIC ACID, Serum	6.1	3.7-9.2 mg/dl	Uricase/ Peroxidase
Urine Sugar (Fasting)	Absent	Absent	
Urine Ketones (Fasting)	Absent	Absent	
Urine Sugar (PP)	Absent	Absent	
Urine Ketones (PP)	Absent	Absent	

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab  
\*\*\* End Of Report \*\*\*



**Dr. ANUPA DIXIT**  
M.D.(PATH)  
Consultant Pathologist & Lab Director





CID : 2335720803  
Name : MR. THIRUMUTHU KUMARAN  
Age / Gender : 35 Years / Male  
Consulting Dr. : -  
Reg. Location : Kalina, Santacruz East (Main Centre)

Use a QR Code Scanner Application To Scan the Code  
Collected : 23-Dec-2023 / 10:05  
Reported : 23-Dec-2023 / 16:25

**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**GLYCOSYLATED HEMOGLOBIN (HbA1c)**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.5	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	111.1	mg/dl	Calculated

**Intended use:**

- In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year
- In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly
- For microvascular disease prevention, the HbA1C goal for non pregnant adults in general is Less than 7%.

**Clinical Significance:**

- HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.
- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

**Test Interpretation:**

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

**Factors affecting HbA1c results:**

**Increased in:** High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

**Decreased in:** Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

**Reflex tests:** Blood glucose levels, CGM (Continuous Glucose monitoring)

**References:** ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab

\*\*\* End Of Report \*\*\*



*Dr. Vrushi Shroff*

**Dr. VRUSHALI SHROFF**  
**M.D.(PATH)**  
**Pathologist**





CID : 2335720803  
Name : MR. THIRUMUTHU KUMARAN  
Age / Gender : 35 Years / Male  
Consulting Dr. : -  
Reg. Location : Kalina, Santacruz East (Main Centre)

Collected : 23-Dec-2023 / 10:05  
Reported : 23-Dec-2023 / 15:53

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**URINE EXAMINATION REPORT**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
<b><u>PHYSICAL EXAMINATION</u></b>			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	5.0	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.010	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	20	-	-
<b><u>CHEMICAL EXAMINATION</u></b>			
Proteins	Absent	Absent	pH Indicator
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	Absent	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test
<b><u>MICROSCOPIC EXAMINATION</u></b>			
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	0-1		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	+(>20/hpf)	Less than 20/hpf	
Others	-		

Kindly rule out contamination.





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**Interpretation:** The concentration values of Chemical analytes corresponding to the grading given in the report are as follows:

- Protein ( 1+ = 25 mg/dl , 2+ =75 mg/dl , 3+ = 150 mg/dl , 4+ = 500 mg/dl )
- Glucose(1+ = 50 mg/dl , 2+ =100 mg/dl , 3+ =300 mg/dl ,4+ =1000 mg/dl )
- Ketone (1+ =5 mg/dl , 2+ = 15 mg/dl , 3+= 50 mg/dl , 4+ = 150 mg/dl )

Reference: Pack inert

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\*\*\* End Of Report \*\*\*



**Dr. VRUSHALI SHROFF**  
**M.D.(PATH)**  
**Pathologist**





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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**BLOOD GROUPING & Rh TYPING**

<u>PARAMETER</u>	<u>RESULTS</u>
ABO GROUP	A
Rh TYPING	Positive

NOTE: Test performed by automated Erythrocytes magnetized technology (EMT) which is more sensitive than conventional methods.

Specimen: EDTA Whole Blood and/or serum

**Clinical significance:**  
ABO system is most important of all blood group in transfusion medicine

**Limitations:**

- ABO blood group of new born is performed only by cell (forward) grouping because allo antibodies in cord blood are of maternal origin.
- Since A & B antigens are not fully developed at birth, both Anti-A & Anti-B antibodies appear after the first 4 to 6 months of life. As a result, weaker reactions may occur with red cells of newborns than of adults.
- Confirmation of newborn's blood group is indicated when A & B antigen expression and the isoagglutinins are fully developed at 2 to 4 years of age & remains constant throughout life.
- Cord blood is contaminated with Wharton's jelly that causes red cell aggregation leading to false positive result
- The Hh blood group also known as Oh or Bombay blood group is rare blood group type. The term Bombay is used to refer the phenotype that lacks normal expression of ABH antigens because of inheritance of hh genotype.

**References:**

1. Denise M Harmening, Modern Blood Banking and Transfusion Practices- 6th Edition 2012. F.A. Davis company. Philadelphia
2. AABB technical manual

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab  
\*\*\* End Of Report \*\*\*



*Dr. Vrushi Shroff*

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**Pathologist**





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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**LIPID PROFILE**

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	139.1	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	82.0	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic colorimetric
HDL CHOLESTEROL, Serum	31.2	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Elimination/ Catalase
NON HDL CHOLESTEROL, Serum	107.9	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	91.5	Optimal: <100 mg/dl Near Optimal: 100 - 129 mg/dl Borderline High: 130 - 159 mg/dl High: 160 - 189 mg/dl Very High: >/= 190 mg/dl	Calculated
VLDL CHOLESTEROL, Serum	16.4	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	4.5	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.9	0-3.5 Ratio	Calculated

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab  
\*\*\* End Of Report \*\*\*



*Namrata Raul*

**Dr. NAMRATA RAUL**  
**M.D (Biochem)**  
**Biochemist**





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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**  
**THYROID FUNCTION TESTS**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
Free T3, Serum	5.2	3.5-6.5 pmol/L	CLIA
Free T4, Serum	15.7	11.5-22.7 pmol/L	CLIA
sensitiveTSH, Serum	<b>4.915</b>	0.55-4.78 microIU/ml mIU/ml	CLIA





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**Interpretation:**

A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

**Clinical Significance:**

- 1) TSH Values between high abnormal upto 15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors can give falsely high TSH.
- 2) TSH values may be transiently altered because of non thyroidal illness like severe infections, liver disease, renal and heart severe burns, trauma and surgery etc.

TSH	FT4 / T4	FT3 / T3	Interpretation
High	Normal	Normal	Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone, Recovery phase of non-thyroidal illness, TSH Resistance.
High	Low	Low	Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism.
Low	High	High	Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)
Low	Normal	Normal	Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.
Low	Low	Low	Central Hypothyroidism, Non Thyroidal Illness, Recent Rx for Hyperthyroidism.
High	High	High	Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti epileptics.

**Diurnal Variation:** TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am, and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation: 19.7% (with in subject variation)

**Reflex Tests:** Anti thyroid Antibodies, USG Thyroid, TSH receptor Antibody. Thyroglobulin, Calcitonin

**Limitations:**

1. Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until at least 8 hours following the last biotin administration.
2. Patient samples may contain heterophilic antibodies that could react in immunoassays to give falsely elevated or depressed results. This assay is designed to minimize interference from heterophilic antibodies.

**Reference:**

1. O. Koulouri et al. / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)
2. Interpretation of the thyroid function tests, Dayan et al. THE LANCET. Vol 357
3. Tietz, Text Book of Clinical Chemistry and Molecular Biology -5th Edition
4. Biological Variation: From principles to Practice - Callum G Fraser (AACC Press)

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\*\*\* End Of Report \*\*\*



*Anupa*

**Dr. ANUPA DIXIT**  
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**Consultant Pathologist & Lab Director**





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**USG WHOLE ABDOMEN**

**LIVER :**

The liver is normal in size, shape and smooth margins. **It shows bright parenchymal echo pattern.** The intra hepatic biliary and portal radical appear normal. No evidence of any intra hepatic cystic or solid lesion seen. The main portal vein and CBD appears normal.

**GALL BLADDER :**

The gall bladder is physiologically distended and appears normal. No evidence of gall stones or mass lesions seen

**PANCREAS :**

The pancreas is well visualised and appears normal. No evidence of solid or cystic mass lesion.

**KIDNEYS :**

Both the kidneys are normal in size shape and echotexture.  
No evidence of any calculus, hydronephrosis or mass lesion seen.  
Right kidney measures: 8.9 x 4.3 cm. Left kidney measures: 8.6 x 4.7 cm.

**SPLEEN :**

The spleen is normal in size and shape and echotexture.  
No evidence of focal lesion is noted. There is no evidence of any lymphadenopathy or ascites.

**URINARY BLADDER :**

The urinary bladder is well distended. It shows thin walls and sharp mucosa.  
No evidence of calculus is noted. No mass or diverticulum is seen.

**PROSTATE :**

The prostate is normal in size and measures: 2.7 x 2.5 x 2.1 cms and weighs 7.8 gms.

**IMPRESSION :**

**Mild fatty Liver.**

-----End of Report-----

*Asham*  
**DR. ASHA DHAVAN**  
**MBBS ; D.M.R.E**  
**CONSULTANT RADIOLOGIST**





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**X-RAY CHEST PA VIEW**

Both lung fields are clear.

Both costo-phrenic angles are clear.

The cardiac size and shape are within normal limits.

The domes of diaphragm are normal in position and outlines.

The skeleton under review appears normal.

**IMPRESSION:**

**NO SIGNIFICANT ABNORMALITY IS DETECTED.**

-----End of Report-----

**DR.ASHA DHAVAN**  
**MBBS ; D.M.R.E**  
**CONSULTANT RADIOLOGIST**





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