

**RADIOLOGY DIVISION**

Acc no:4182VI009494	Name: Mr. Devendu Krishna D	Age: 31 y	Sex: Male	Date: 21.09.22
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**US SCAN WHOLE ABDOMEN**

**LIVER** is enlarged in size (15.7 cm). Margins are regular. **Hepatic parenchyma shows increased echogenicity.** No focal lesions seen. No dilatation of intrahepatic biliary radicles. CBD is not dilated. Portal vein is normal in caliber (10 mm).

**GALL BLADDER** is partially distended and grossly normal. No pericholecystic fluid seen.

**SPLEEN** is normal in size (10.9 cm) and parenchymal echotexture. No focal lesion seen.

**PANCREAS** Head and part of body visualized, appears normal in size and parenchymal echotexture. Pancreatic duct is not dilated.

**RIGHT KIDNEY** is normal in size (10.7 x 3.9 cm) and shows normal parenchymal echotexture. Cortico medullary differentiation is maintained. Parenchymal thickness is normal. No echogenic focus with shadowing suggestive of renal calculi seen. No dilatation of pelvicalyceal system seen. Ureter is not dilated. Perinephric spaces are normal.

**LEFT KIDNEY** is normal in size (11.5 x 4.5 cm) and shows normal parenchymal echotexture. Cortico medullary differentiation is maintained. Parenchymal thickness is normal. No echogenic focus with shadowing suggestive of renal calculi seen. No dilatation of pelvicalyceal system seen. Ureter is not dilated. Perinephric spaces are normal.

**PARAAORTIC AREA** Obscured due to bowel gas.

**URINARY BLADDER** is distended, normal in wall thickness, lumen clear.

**PROSTATE** is normal in size (vol - 12.4 cc) and shows normal echotexture. No focal lesion seen. No ascites or pleural effusion.

**Gaseous distension of bowel loops noted. No obvious bowel wall thickening / bowel related mass or collection seen sonologically.**

**CONCLUSION:-**

- **Hepatomegaly with grade II / III fatty changes - Suggest LFT correlation.**

  
**Dr. Nisha Unni MD, DNB (RD)**  
Consultant radiologist.

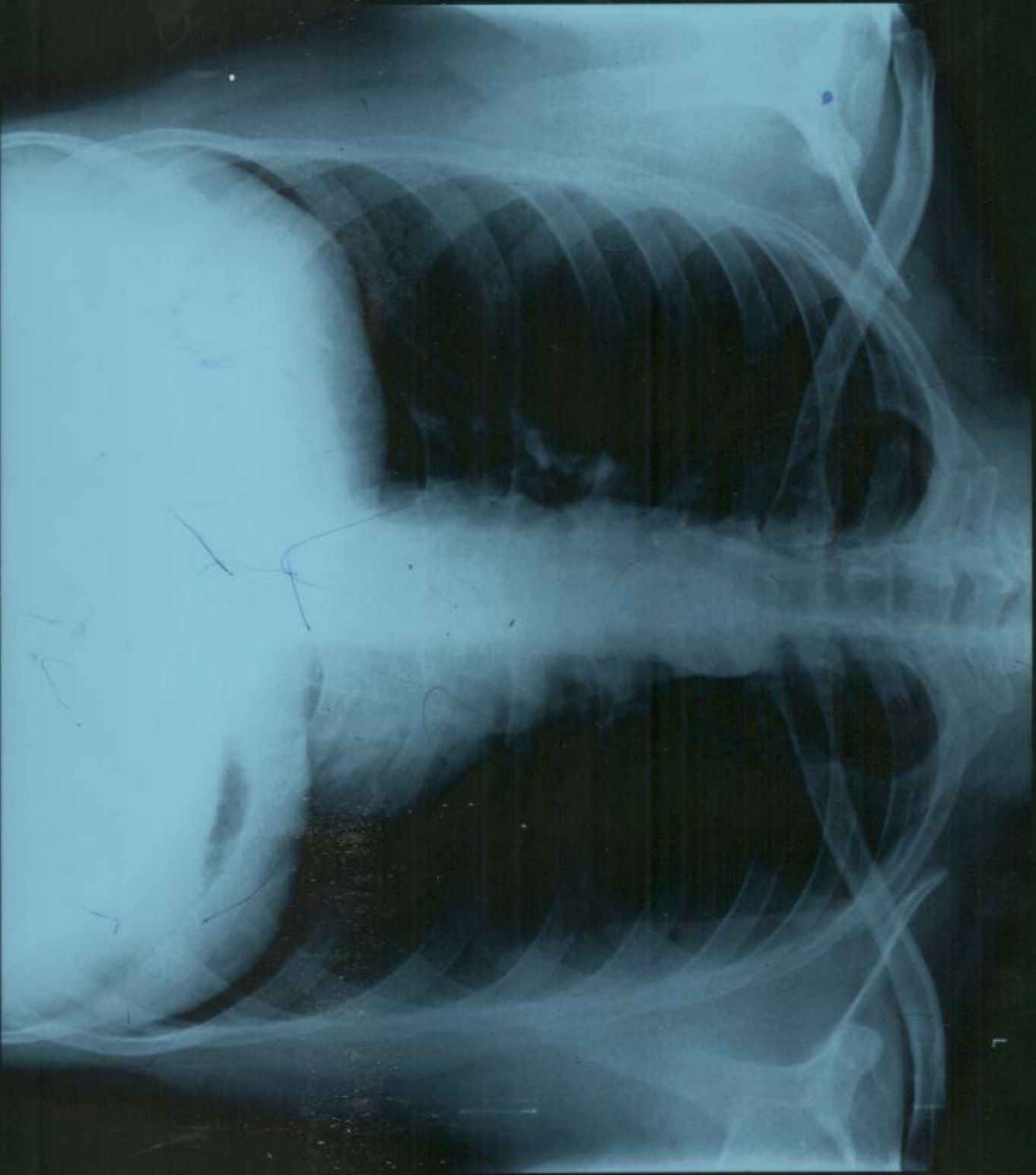
*Thanks, your feedback will be appreciated.*

*(Please bring relevant investigation reports during all visits).*

*Because of technical and technological limitations complete accuracy cannot be assured on imaging.*

*Suggested correlation with clinical findings and other relevant investigations consultations, and if required repeat imaging recommended in the event of controversies. AR*





DDRC SRL

MR. DEVENDU KRISHNA, D 31Y M 9/21/2022 CHEST - PA VI009494 n



If the examinee is suffering from an acute life threatening situation, you may be obliged to disclose the result of the medical examination to the examinee.

1. Name of the examinee	:	Mr./Mrs./Ms.	<i>Devendu Krishna D</i>
2. Mark of Identification	:	(Mole/Scar/any other (specify location)):	
3. Age/Date of Birth	:	<i>81/01</i>	Gender: <i>F/M</i>
4. Photo ID Checked	:	(Passport/Election Card/PAN Card/Driving Licence/Company ID)	

**PHYSICAL DETAILS:**

a. Height <i>129</i> (cms)	b. Weight <i>81</i> (Kgs)	c. Girth of Abdomen <i>89</i> (cms)
d. Pulse Rate <i>81/m</i> (/Min)	e. Blood Pressure:	Systolic Diastolic
	1 <sup>st</sup> Reading	<i>120</i> <i>80</i>
	2 <sup>nd</sup> Reading	

**FAMILY HISTORY:**

Relation	Age if Living	Health Status	If deceased, age at the time and cause
Father			
Mother			
Brother(s)			
Sister(s)			

**HABITS & ADDICTIONS:** Does the examinee consume any of the following?

Tobacco in any form	Sedative	Alcohol
<i>-</i>	<i>-</i>	<i>-</i>

**PERSONAL HISTORY**

- a. Are you presently in good health and entirely free from any mental or Physical impairment or deformity. If No, please attach details. *Y/N*
- b. Have you undergone/been advised any surgical procedure? *Y/N*
- c. During the last 5 years have you been medically examined, received any advice or treatment or admitted to any hospital? *Y/N*
- d. Have you lost or gained weight in past 12 months? *Y/N*

**Have you ever suffered from any of the following?**

- Psychological Disorders or any kind of disorders of the Nervous System? *Y/N*
- Any disorders of Respiratory system? *Y/N*
- Any Cardiac or Circulatory Disorders? *Y/N*
- Enlarged glands or any form of Cancer/Tumour? *Y/N*
- Any Musculoskeletal disorder? *Y/N*
- Any disorder of Gastrointestinal System? *Y/N*
- Unexplained recurrent or persistent fever, and/or weight loss *Y/N*
- Have you been tested for HIV/HBsAg / HCV before? If yes attach reports *Y/N*
- Are you presently taking medication of any kind? *Y/N*

**DDRC SRL Diagnostics Private Limited**

Corp. Office: DDRC SRL Tower, G- 131, Panampilly Nagar, Ernakulam - 682 036  
Ph No. 0484-2318223, 2318222, e-mail: info@ddrcsrl.com, web: www.ddrcsrl.com

Regd. Office: 4th Floor, Prime Square, Plot No.1, Gaiwadi Industrial Estate, S.V. Road, Goregaon (West), Mumbai - 400062.

• Any disorders of Urinary System?

Y/N

• Any disorder of the Eyes, Ears, Nose, Throat or Mouth & Skin

Y/N

**FOR FEMALE CANDIDATES ONLY**

a. Is there any history of diseases of breast/genital organs?

Y/N

d. Do you have any history of miscarriage/abortion or MTP

Y/N

b. Is there any history of abnormal PAP Smear/Mammogram/USG of Pelvis or any other tests? (If yes attach reports)

Y/N

e. For Parous Women, were there any complication during pregnancy such as gestational diabetes, hypertension etc

Y/N

c. Do you suspect any disease of Uterus, Cervix or Ovaries?

Y/N

f. Are you now pregnant? If yes, how many months?

Y/N

**CONFIDENTIAL COMMENTS FROM MEDICAL EXAMINER**

➤ Was the examinee co-operative?

Y/N

➤ Is there anything about the examinee's health, lifestyle that might affect him/her in the near future with regard to his/her job?

Y/N

➤ Are there any points on which you suggest further information be obtained?

Y/N

➤ Based on your clinical impression, please provide your suggestions and recommendations below;

*Patty Sun on Hypertension*

*Adv. Shmit Deet & Koenen*

➤ Do you think he/she is MEDICALLY FIT or UNFIT for employment.

**MEDICAL EXAMINER'S DECLARATION**

I hereby confirm that I have examined the above individual after verification of his/her identity and the findings stated above are true and correct to the best of my knowledge.

Name & Signature of the Medical Examiner :

*[Signature]*  
Dr. SERIN LOPEZ  
M.B.B.S.

Seal of Medical Examiner :

MEDICAL OFFICER  
DDRC SRL Diagnostics Pvt. Ltd.  
Aster Square, Medical College P.O., Triv  
Reg. No. 77656

Name & Seal of DDRC SRL Branch :

Date & Time :

*21/09/2020*



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Regd. Office: 4th Floor, Prime Square, Plot No.1, Gaiwadi Industrial Estate, S.V. Road, Goregaon (West), Mumbai - 400062.

V1

V2

V3

V4

ID: 009494

Diagnosis Information:

Male / mmHg  
31 Years cm **112**  
**HR** **Devenidu Krishna . D**

HR : 94 bpm  
P : 112 ms  
PR : 161 ms  
QRS : 84 ms  
QT/QTc : 329/413 ms  
P/QRS/T : 44/29/23 °  
RV5/SV1 : 0.869/1.089 mV  
Report Confirmed by:

**DR. SERIN LOPEZ**  
MBBS

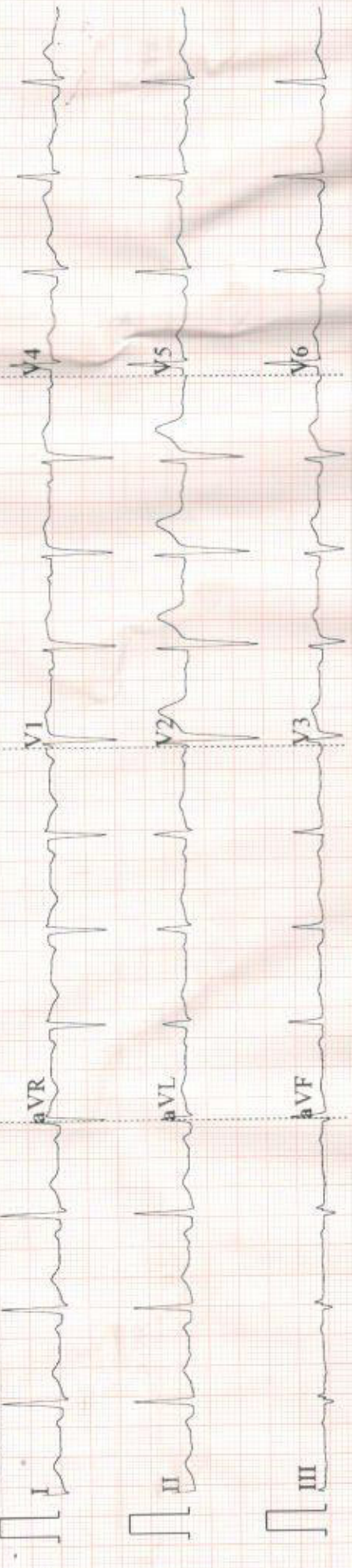
DDRC SRL Diagnostics Pvt. Ltd.  
Medical College P.O., Tvm  
Reg. No. 77656



Standard

Standard	L 1	L II	L III	L III Inspiration

ID: 009494 21-09-2022 10:36:10 AM



0.5~35Hz AC50 25mm/s 10mm/mV ♡98 V1.0 SEMIP V1.7 DDRCSRL

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um

NAME : MR DEVENDU KRISHNA D

AGE:31/M

DATE21/09/2022

**CHEST X-RAY REPORT**


CHEST X-RAY PA VIEW : Trachea central  
 No cardiomegaly  
 Normal vascularity  
 No parenchymal lesion.  
 Costophrenic and cardiophrenic angles clear

➤ **IMPRESSION** : Normal Chest Xray

ELECTRO CARDIOGRAM : NSR 75/minute  
 No evidence of ischaemia.

➤ **IMPRESSION** : Normal Ecg.



  
**Dr. SERIN LOPEZ**  
 MBBS  
 MEDICAL OFFICER  
 DDRC SRL Diagnostics Pvt. Ltd.  
 Aster Square, Medical College P.O., Tvm  
 Reg. No. 77656

**DR SERIN LOPEZ MBBS**

Reg No 77656

DDRC SRL DIAGNOSTICS Services



## DDRC SRL

### Patient Details

Date: 21-Sep-22

Time: 10:07:55 AM

Name: DEVENDU KRISHNA D ID: 4182VI009494

Age: 31 y

Sex: M

Height: 179 cms

Weight: 81 Kgs

Clinical History: NIL

Medications: NIL

### Test Details

Protocol: Bruce

Pr.MHR: 189 bpm

THR: 170 (90 % of Pr.MHR) bpm

Total Exec. Time: 9 m 46 s

Max. HR: 169 (89% of Pr.MHR) bpm

Max. Mets: 13.50

Max. BP: 180 / 80 mmHg

Max. BP x HR: 30420 mmHg/min

Min. BP x HR: 7920 mmHg/min

Test Termination Criteria: THR ATTAINED

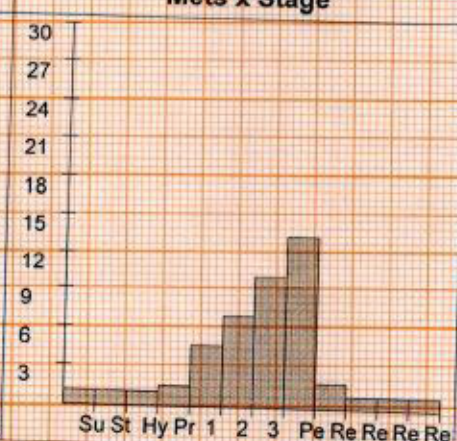
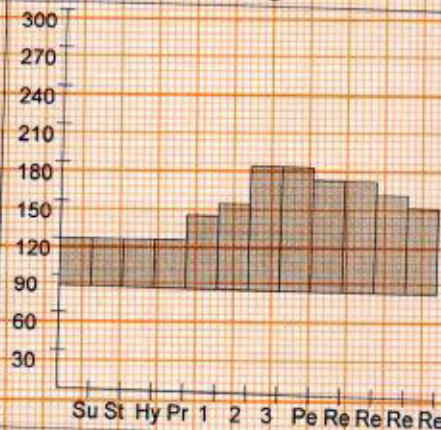
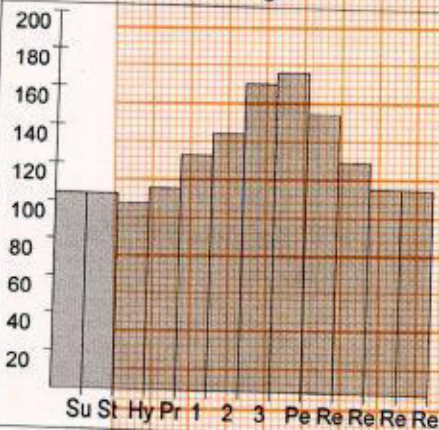
### Protocol Details

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 : 14	1.0	0	0	104	120 / 80	-1.27 aVR	2.83 V2
Standing	0 : 1	1.0	0	0	104	120 / 80	-1.27 aVR	2.83 V2
Hyperventilation	0 : 16	1.0	0	0	99	120 / 80	-1.27 aVR	2.83 V2
1	3 : 0	4.6	1.7	10	125	140 / 80	-1.49 aVR	3.54 V2
2	3 : 0	7.0	2.5	12	137	150 / 80	-1.27 III	4.95 V2
3	3 : 0	10.2	3.4	14	163	180 / 80	-1.49 aVR	5.66 V2
Peak Ex	0 : 46	13.5	4.2	16	169	180 / 80	-1.49 III	5.66 V2
Recovery(1)	1 : 0	1.8	1	0	148	170 / 80	-2.12 aVR	5.66 V2
Recovery(2)	1 : 0	1.0	0	0	123	170 / 80	-2.34 aVR	5.66 V2
Recovery(3)	1 : 0	1.0	0	0	109	160 / 80	-1.70 aVR	5.66 V2
Recovery(4)	0 : 47	1.0	0	0	109	150 / 80	-1.06 aVR	4.60 V2

HR x Stage

BP x Stage

Mets x Stage



## DDRC SRL

### Patient Details

Date: 21-Sep-22

Time: 10:07:55 AM

Name: DEVENDU KRISHNA D ID: 4182VI009494

Age: 31 y

Sex: M

Height: 179 cms

Weight: 81 Kgs

### Interpretation

The patient exercised according to the Bruce protocol for 9 m 46 s achieving a work level of Max. METS : 13.50. Resting heart rate initially 104 bpm, rose to a max. heart rate of 169 ( 89% of Pr.MHR ) bpm. Resting blood Pressure 120 / 80 mmHg, rose to a maximum blood pressure of 180 / 80 mmHg.

NO ANGINA/ARRHYTHMIAS/SOB

GOOD EFFORT TOLERANCE

NO SIGNIFICANT ST CHANGES

TEST IS NEGATIVE FOR INDUCIBLE ISCHEMIA



Ref. Doctor: MEDIWHEEL

( Summary Report edited by user )

A handwritten signature in blue ink, appearing to be "J.P.", located above the doctor's name.

Doctor: DR.J.PRABAKARAN

**DR. J. PRABAKARAN**  
Consulting Cardiologist  
TCMC Reg No: 72354

# DDRC SRL

**DEVENDU KRISHNA D (31 M)**

Protocol: Bruce

Exec Time : 0 m 0 s

ID: 4182VI009494

Stage: Supine

Stage Time : 0 m 8 s

Date: 21-Sep-22

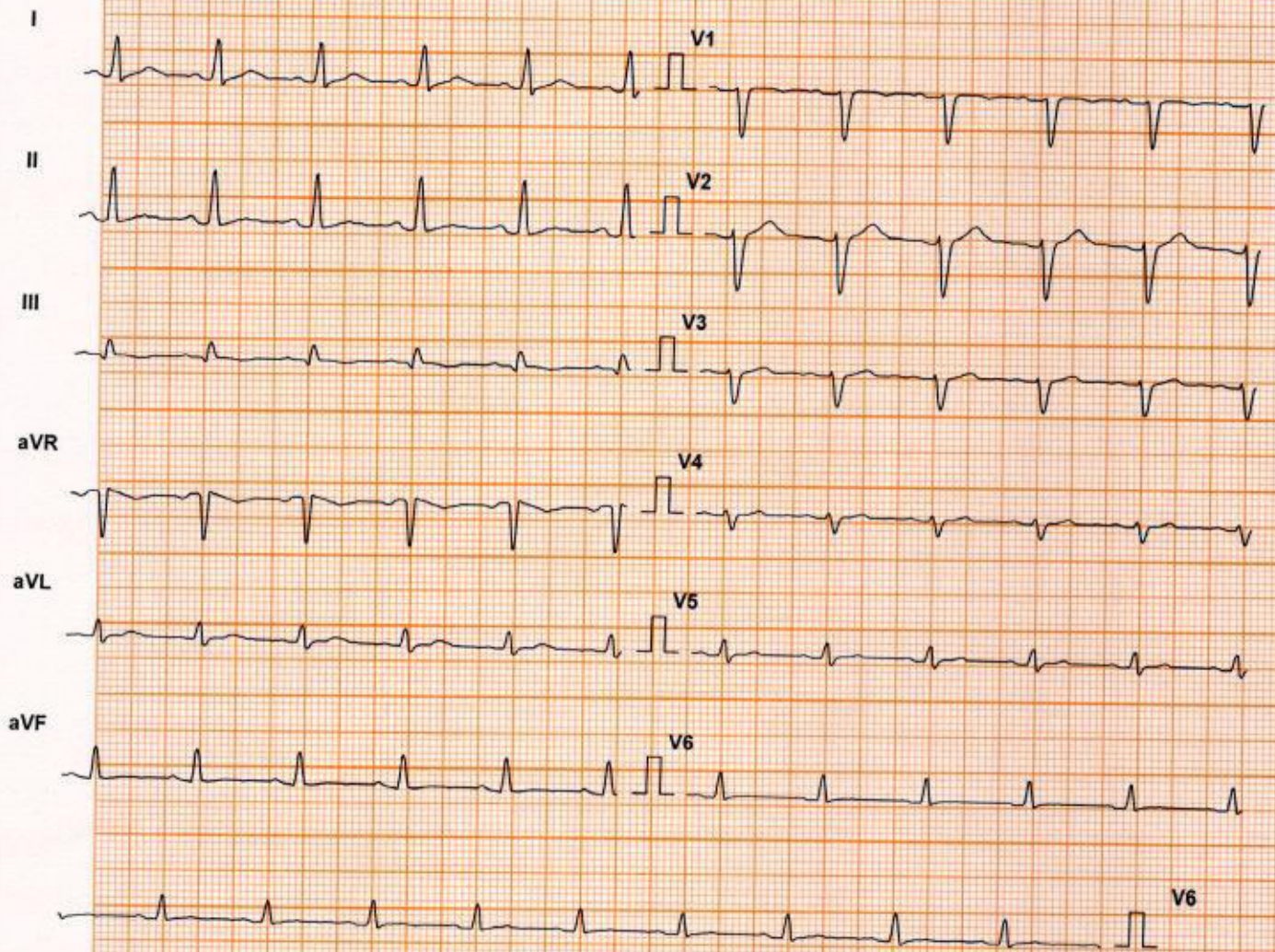
Speed: 0 mph

HR: 99 bpm

B.P: 120 / 80

Grade: 0 %

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	1.3	1.4
II	1.1	1.8
III	-0.2	-0.4
aVR	-1.3	-1.8
aVL	0.4	0.4
aVF	0.4	0.4
V1	0.8	0.4
V2	2.8	2.5
V3	1.1	1.4
V4	0.8	0.7
V5	0.4	0.4
V6	0.4	0.7

Chart Speed: 25 mm/sec  
Schiller Spandan V 4.7

Filter: 35 Hz

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

Mains Filt: ON

Post J = J + 60 ms

Amp: 5 mm

Linked Median

# DDRC SRL

DEVENDU KRISHNA D (31 M)

ID: 4182VI009494

Date: 21-Sep-22

B.P: 120 / 80

Protocol: Bruce

Stage: Standing

Speed: 0 mph

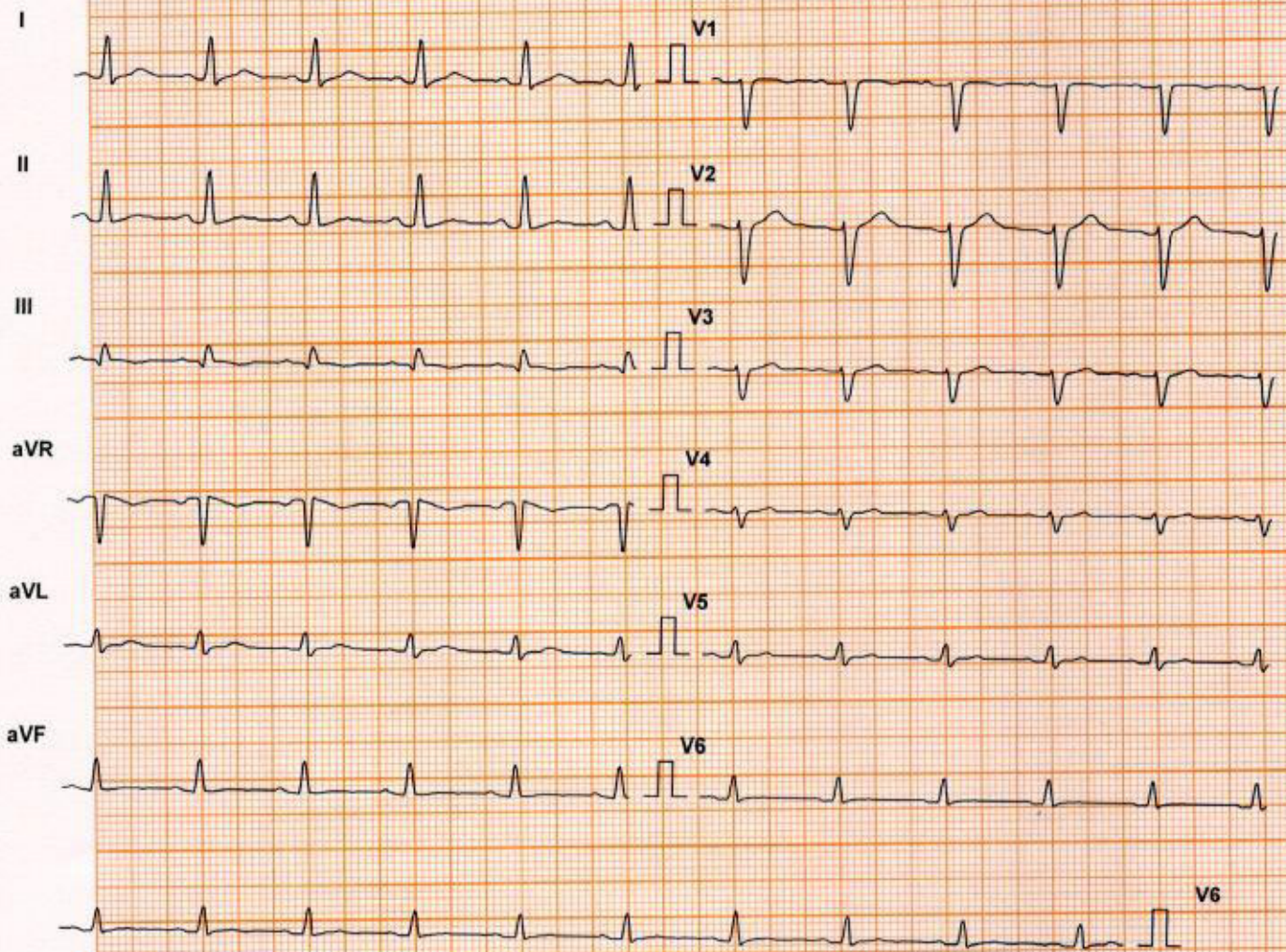
Grade: 0 %

Exec Time : 0 m 0 s

Stage Time : 0 m 9 s

HR: 99 bpm

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	1.3	1.4
aVR	-1.3	-1.8
V1	0.8	0.4
V4	0.8	0.7
II	1.1	1.8
aVL	0.4	0.4
V2	2.8	2.5
V5	0.4	0.4
III	-0.2	-0.4
aVF	0.4	0.4
V3	1.1	1.4
V6	0.4	0.7

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 5 mm

Schiller Spandan V 4.7

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

Post J = J + 60 ms

Linked Median

# DDRC SRL

DEVENDU KRISHNA D (31 M)

ID: 4182VI009494

Date: 21-Sep-22

B.P: 120 / 80

Protocol: Bruce

Stage: Hyperventilation

Speed: 0 mph

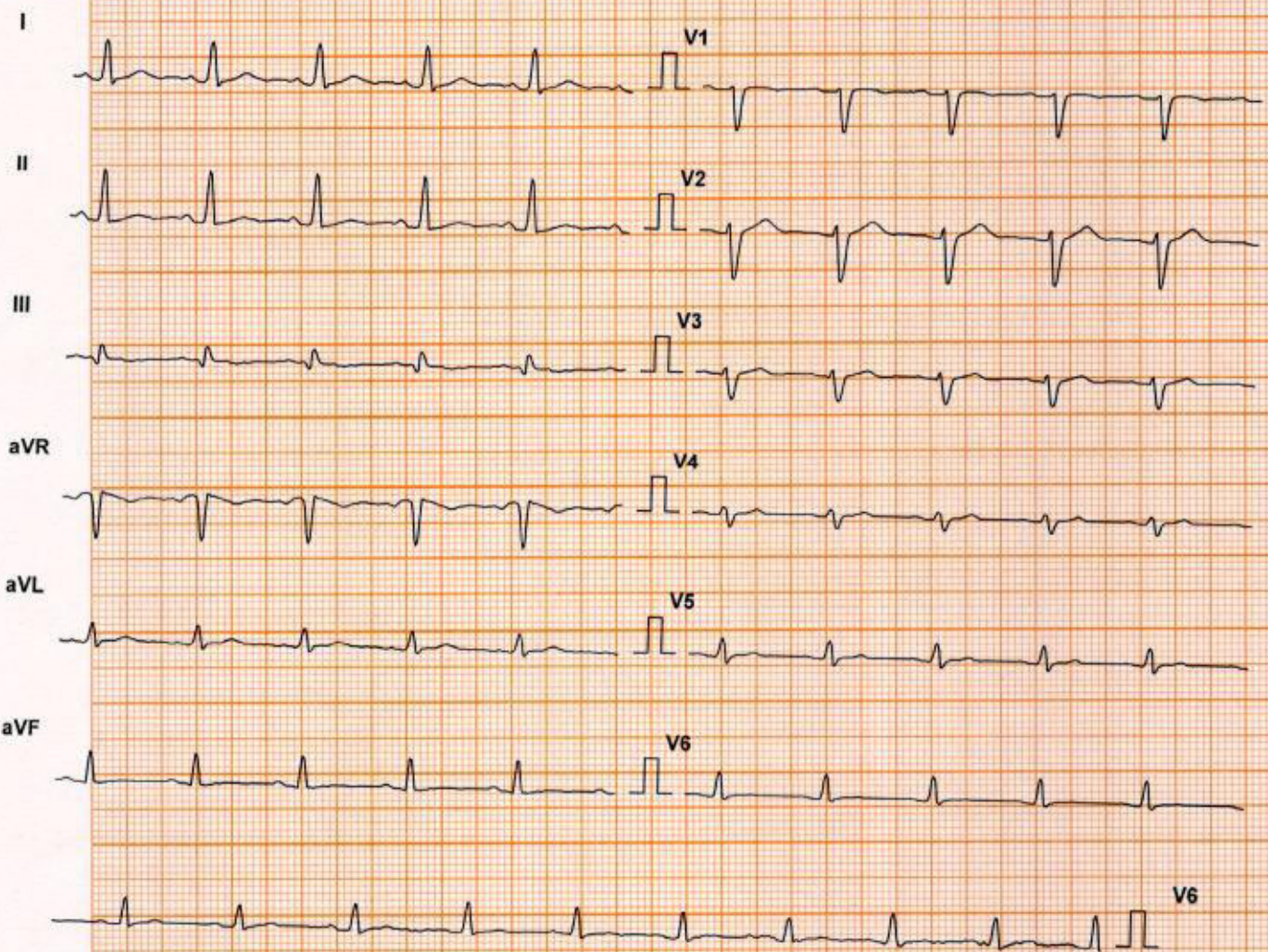
Grade: 0 %

Exec Time : 0 m 0 s

Stage Time : 0 m 10 s

HR: 97 bpm

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	1.5	1.4
II	0.8	1.4
III	-0.2	-0.4
aVR	-1.1	-1.4
aVL	0.6	0.4
aVF	0.2	1.1
V1	0.8	0.4
V2	2.1	2.1
V3	1.1	1.1
V4	0.6	0.4
V5	0.6	0.4
V6	0.6	0.7

Chart Speed: 25 mm/sec  
Schiller Spandan V 4.7

Filter: 35 Hz  
Mains Filt: ON  
Iso = R - 60 ms    J = R + 60 ms    Past J = J + 60 ms

Amp: 5 mm  
Linked Median

# DDRC SRL

**DEVENDU KRISHNA D (31 M)**

ID: 4182VI009494

Date: 21-Sep-22

B.P: 140 / 80

Protocol: Bruce

Stage: 1

Speed: 1.7 mph

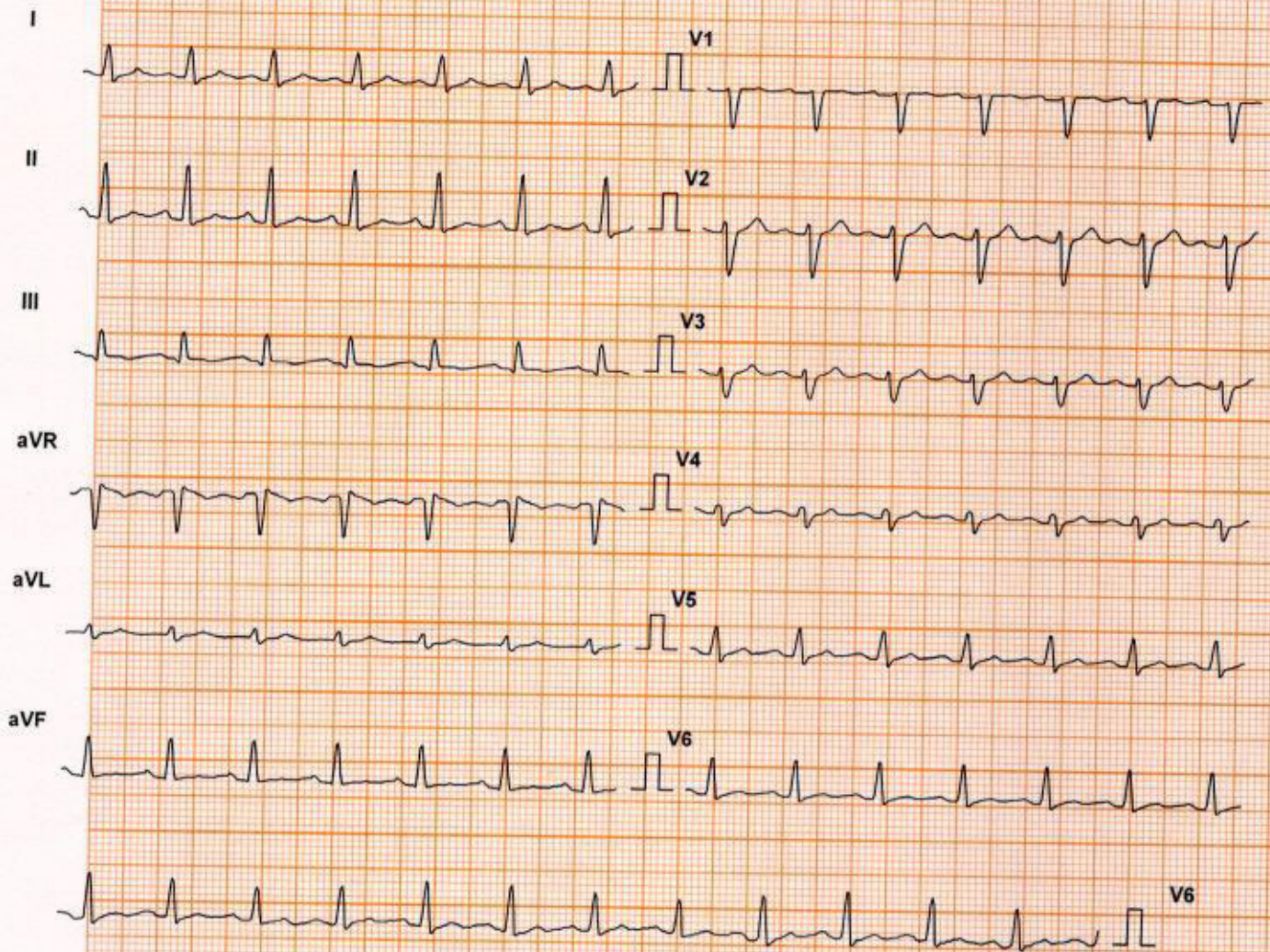
Grade: 10 %

Exec Time : 2 m 54 s

Stage Time : 2 m 54 s

**HR: 123 bpm**

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.8	1.8
aVR	-0.6	-1.4
V1	0.8	0.0
V4	1.1	1.1
II	0.8	1.8
aVL	0.0	0.4
V2	2.5	3.2
V5	0.8	1.4
III	0.0	0.0
aVF	0.2	0.7
V3	1.7	2.1
V6	0.8	1.4

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 5 mm

Schiller Spandan V 4.7

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

Post J = J + 60 ms

Linked Median

DEVENDU KRISHNA D (31 M)

Protocol: Bruce

Exec Time : 5 m 54 s

DDRC SRL

ID: 4182VI009494

Stage: 2

Stage Time : 2 m 54 s

Date: 21-Sep-22

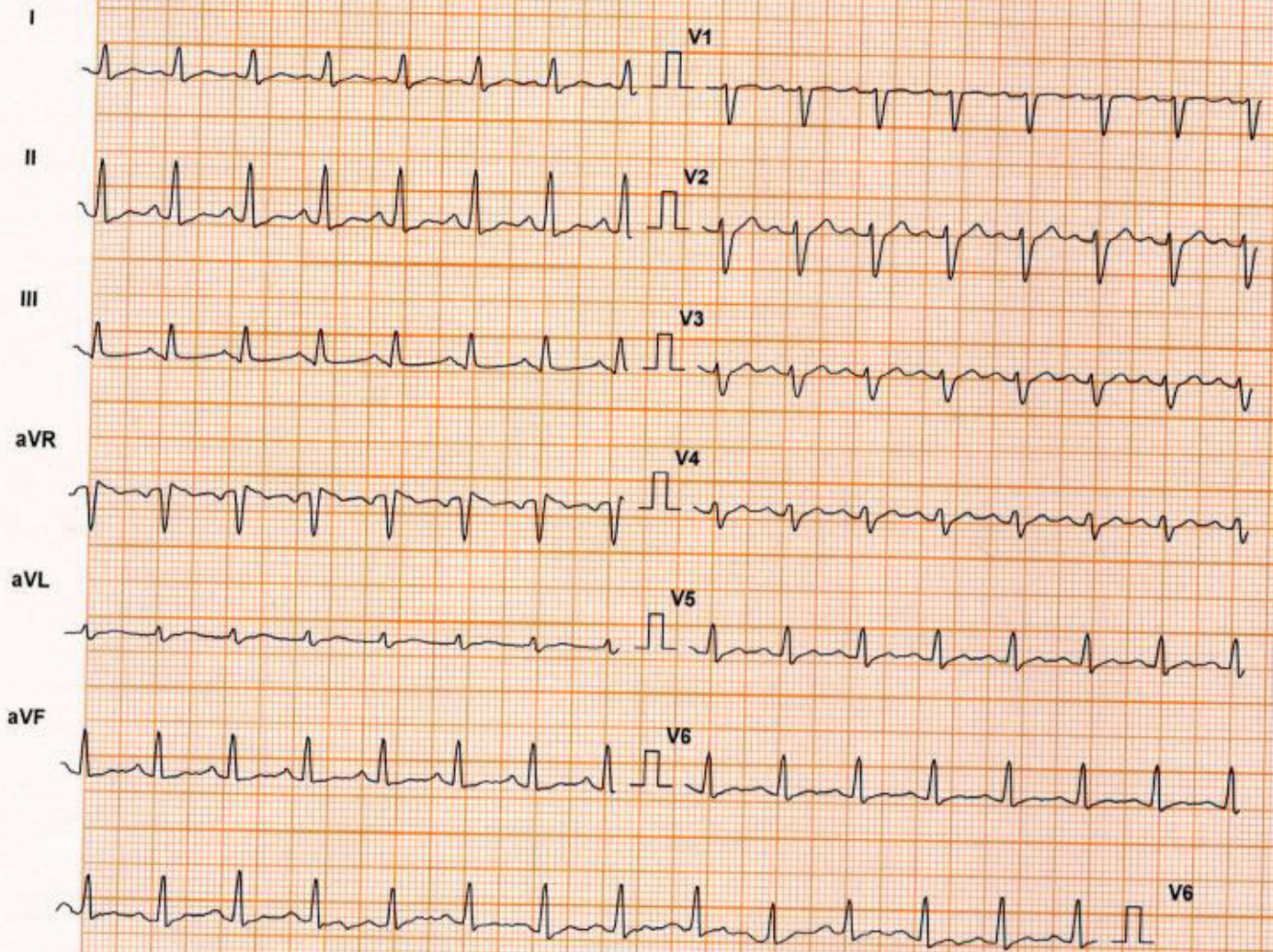
B.P: 150 / 80

Speed: 2.5 mph

Grade: 12 %

HR: 137 bpm

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.8	1.8
aVR	-0.8	-2.1
V1	1.1	0.7
V4	1.7	2.5
II	0.8	2.5
aVL	0.4	0.7
V2	2.8	3.9
V5	1.1	2.1
III	-0.2	0.0
aVF	0.4	1.4
V3	2.1	2.5
V6	0.8	1.8

Chart Speed: 25 mm/sec

Schiller Spandan V 4.7

Filter: 35 Hz

Iso = R - 60 ms

J = R + 60 ms

Mains Filt: ON

Post J = J + 60 ms

Amp: 5 mm

Linked Median

# DDRC SRL

**DEVENDU KRISHNA D (31 M)**

ID: 4182VI009494

Date: 21-Sep-22

B.P: 180 / 80

Protocol: Bruce

Stage: 3

Speed: 3.4 mph

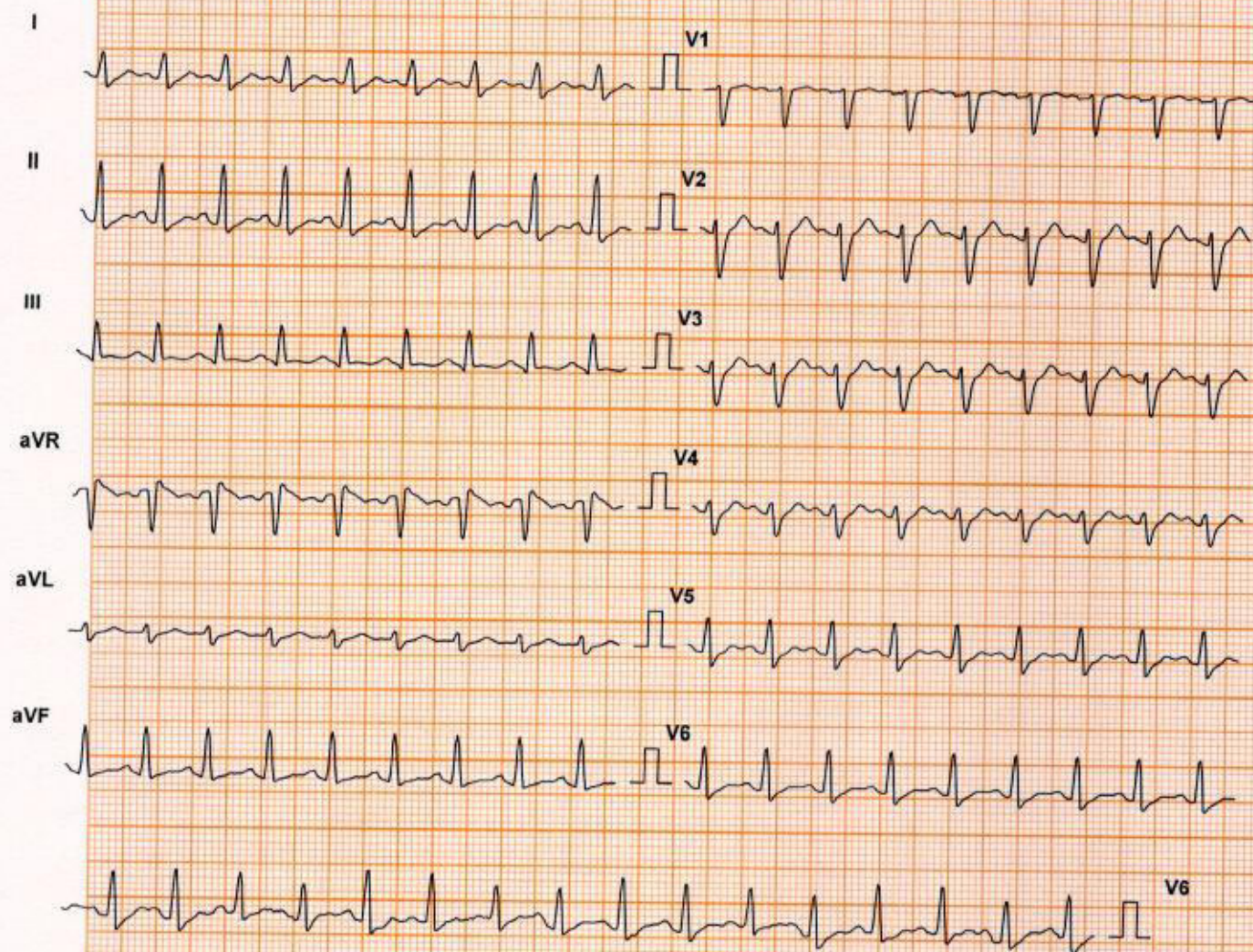
Grade: 14 %

Exec Time : 8 m 54 s

Stage Time : 2 m 54 s

**HR: 163 bpm**

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	1.1	2.8
aVR	-1.3	-3.2
V1	1.5	1.4
V4	2.8	4.6
II	1.3	3.2
aVL	0.6	1.4
V2	4.5	3.9
V5	1.5	3.5
III	-0.2	-0.4
aVF	0.4	1.4
V3	3.8	5.7
V6	0.8	2.8

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 5 mm

Schiller Spandan V 4.7

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

Post J = J + 60 ms

Linked Median



DEVENDU KRISHNA D (31 M)

Protocol: Bruce

Exec Time : 9 m 40 s

DDRC SRL

ID: 4182VI009494

Stage: Peak Ex

Stage Time : 0 m 40 s

Date: 21-Sep-22

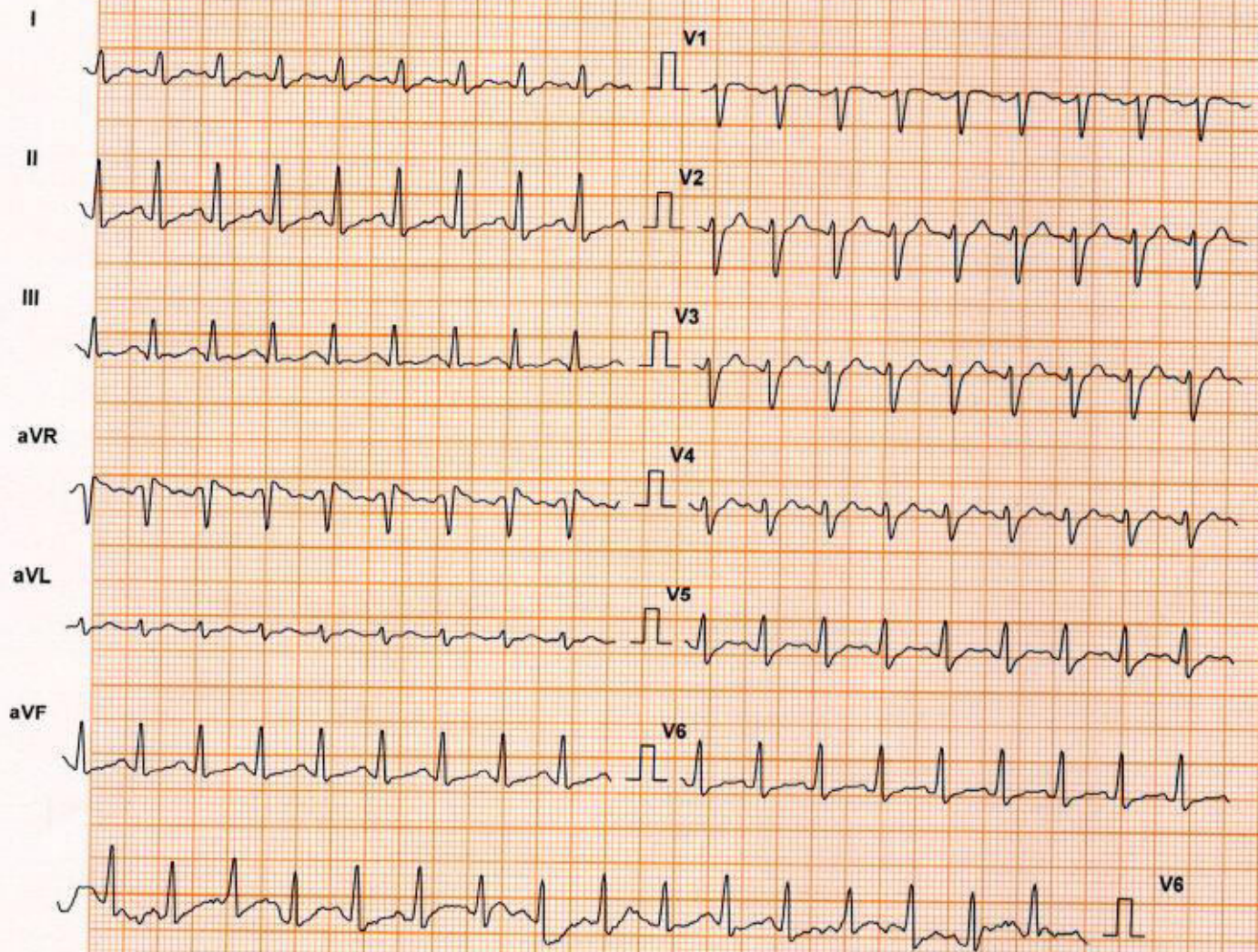
B.P: 180 / 80

Speed: 4.2 mph

Grade: 16 %

HR: 167 bpm

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.8	2.5
aVR	-0.6	-2.5
V1	1.5	-0.4
V4	2.5	4.2
II	0.2	1.8
aVL	0.8	1.8
V2	4.5	3.9
V5	1.3	3.2
III	-1.1	-0.7
aVF	-0.4	0.7
V3	4.0	5.3
V6	0.4	1.4

Chart Speed: 25 mm/sec

Schiller Spandan V 4.7

Filter: 35 Hz

Iso = R - 60 ms

J = R + 60 ms

Mains Filt: ON

Post J = J + 60 ms

Amp: 5 mm

Linked Median

# DDRC SRL

**DEVENDU KRISHNA D (31 M)**

ID: 4182VI009494

Date: 21-Sep-22

B.P: 170 / 80

Protocol: Bruce

Stage: Recovery(1)

Speed: 1 mph

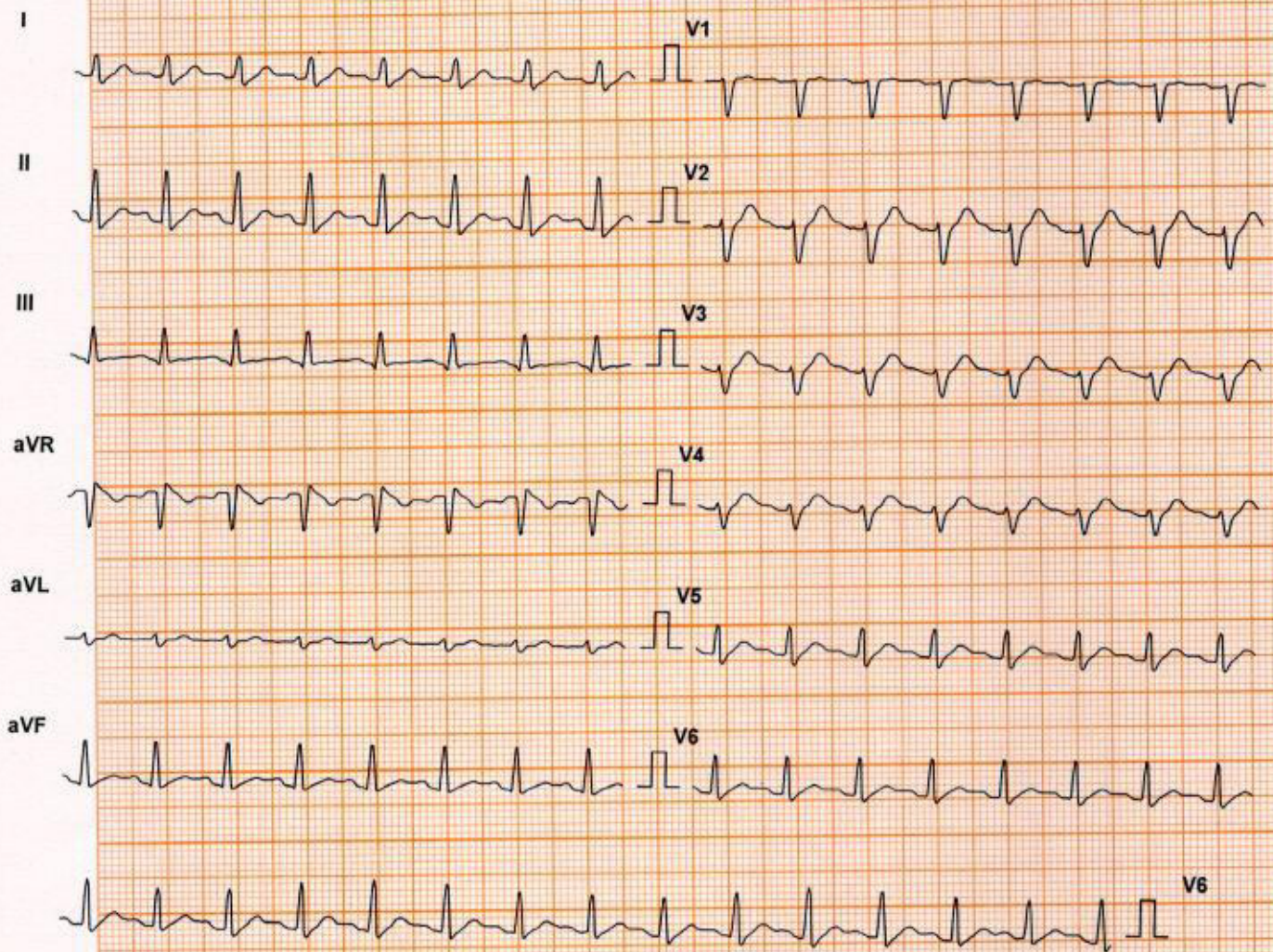
Grade: 0 %

Exec Time : 9 m 46 s

Stage Time : 0 m 54 s

**HR: 145 bpm**

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	1.9	3.5
II	2.3	3.9
III	0.2	0.4
aVR	-2.1	-3.9
aVL	0.8	1.4
aVF	1.5	2.5
V1	1.3	0.7
V2	5.9	3.9
V3	5.1	5.3
V4	4.2	5.3
V5	3.0	4.2
V6	1.9	2.8

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 5 mm

Schiller Spandan V 4.7

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

Post J = J + 60 ms

Linked Median

# DDRC SRL

**DEVENDU KRISHNA D (31 M)**

Protocol: Bruce

Exec Time : 9 m 46 s

ID: 4182VI009494

Stage: Recovery(2)

Stage Time : 0 m 54 s

Date: 21-Sep-22

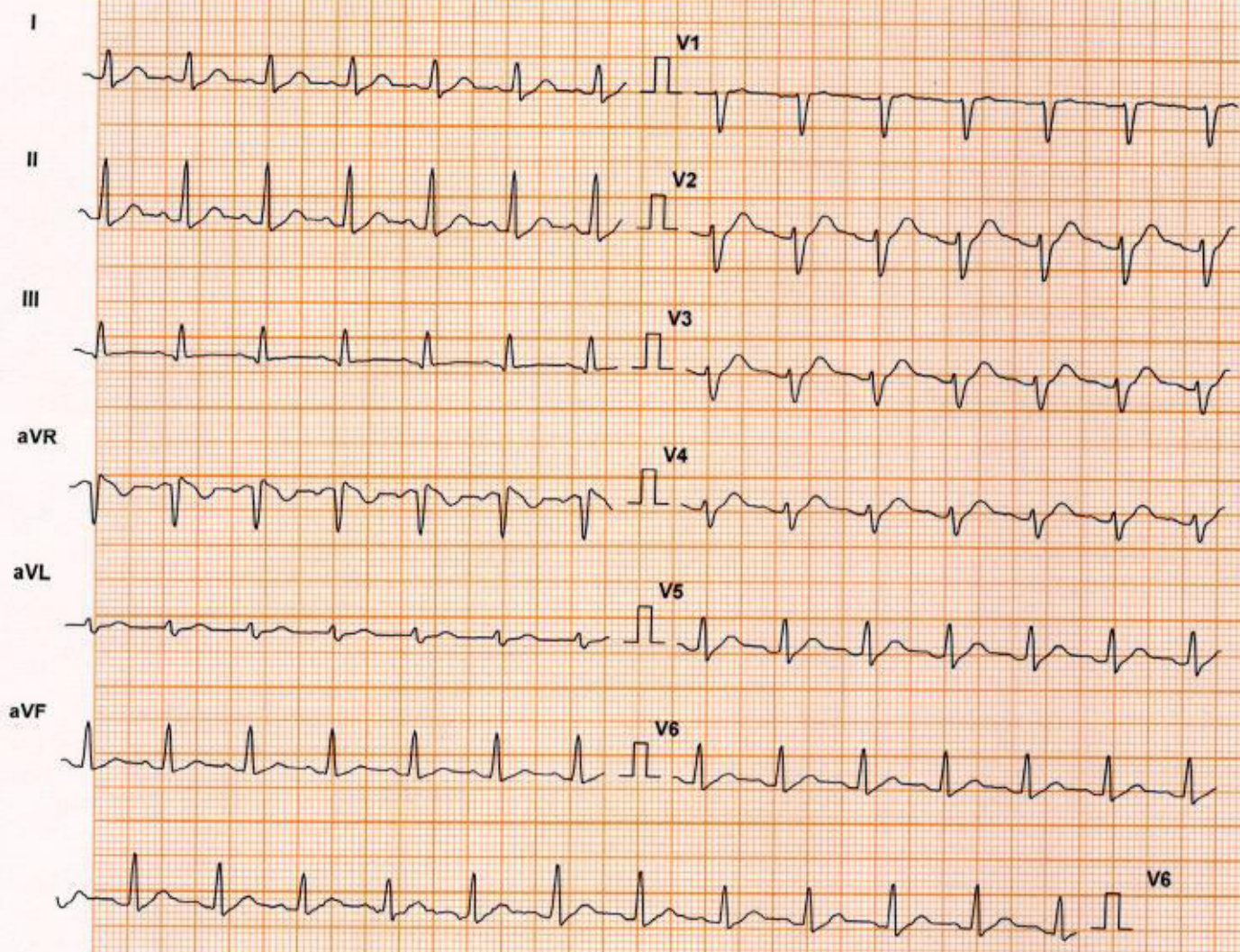
Speed: 0 mph

**HR: 121 bpm**

B.P: 170 / 80

Grade: 0 %

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	1.5	3.2
II	1.9	4.2
III	0.2	0.4
aVR	-1.5	-3.2
aVL	0.2	0.7
aVF	1.3	2.5
V1	1.5	1.1
V2	5.5	3.9
V3	4.7	5.7
V4	3.8	5.0
V5	2.8	4.2
V6	1.7	2.8

Chart Speed: 25 mm/sec

Schiller Spandan V 4.7

Filter: 35 Hz

Iso = R - 60 ms

J = R + 60 ms

Mains Filt: ON

Post J = J + 60 ms

Amp: 5 mm

Linked Median

# DDRC SRL

DEVENDU KRISHNA D (31 M)

ID: 4182VI009494

Date: 21-Sep-22

B.P: 160 / 80

Protocol: Bruce

Stage: Recovery(3)

Speed: 0 mph

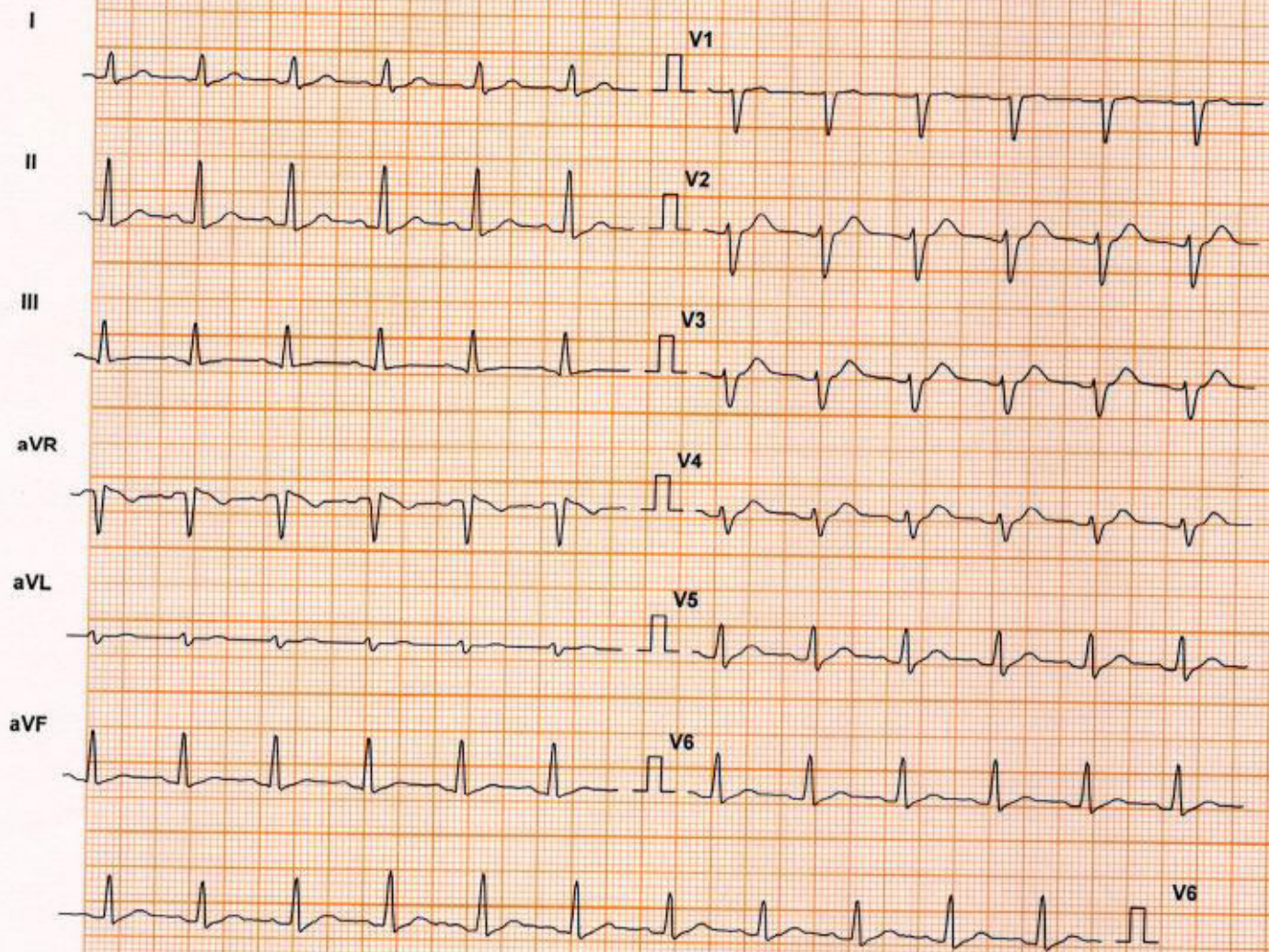
Grade: 0 %

Exec Time : 9 m 46 s

Stage Time : 0 m 54 s

HR: 112 bpm

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/e)
I	0.6	1.8
aVR	-0.8	-2.5
V1	1.3	0.7
V4	2.8	3.2
II	1.1	2.5
aVL	0.0	0.0
V2	3.6	4.6
V5	1.7	2.5
III	0.4	0.7
aVF	0.6	1.4
V3	3.4	3.9
V6	1.3	2.5

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 5 mm

Schiller Spandan V 4.7

Iso = R - 60 ms

J = R + 60 ms

Post J = J + 60 ms

Linked Median

# DDRC SRL

DEVENDU KRISHNA D (31 M)

ID: 4182VI009494

Date: 21-Sep-22

B.P: 150 / 80

Protocol: Bruce

Stage: Recovery(4)

Speed: 0 mph

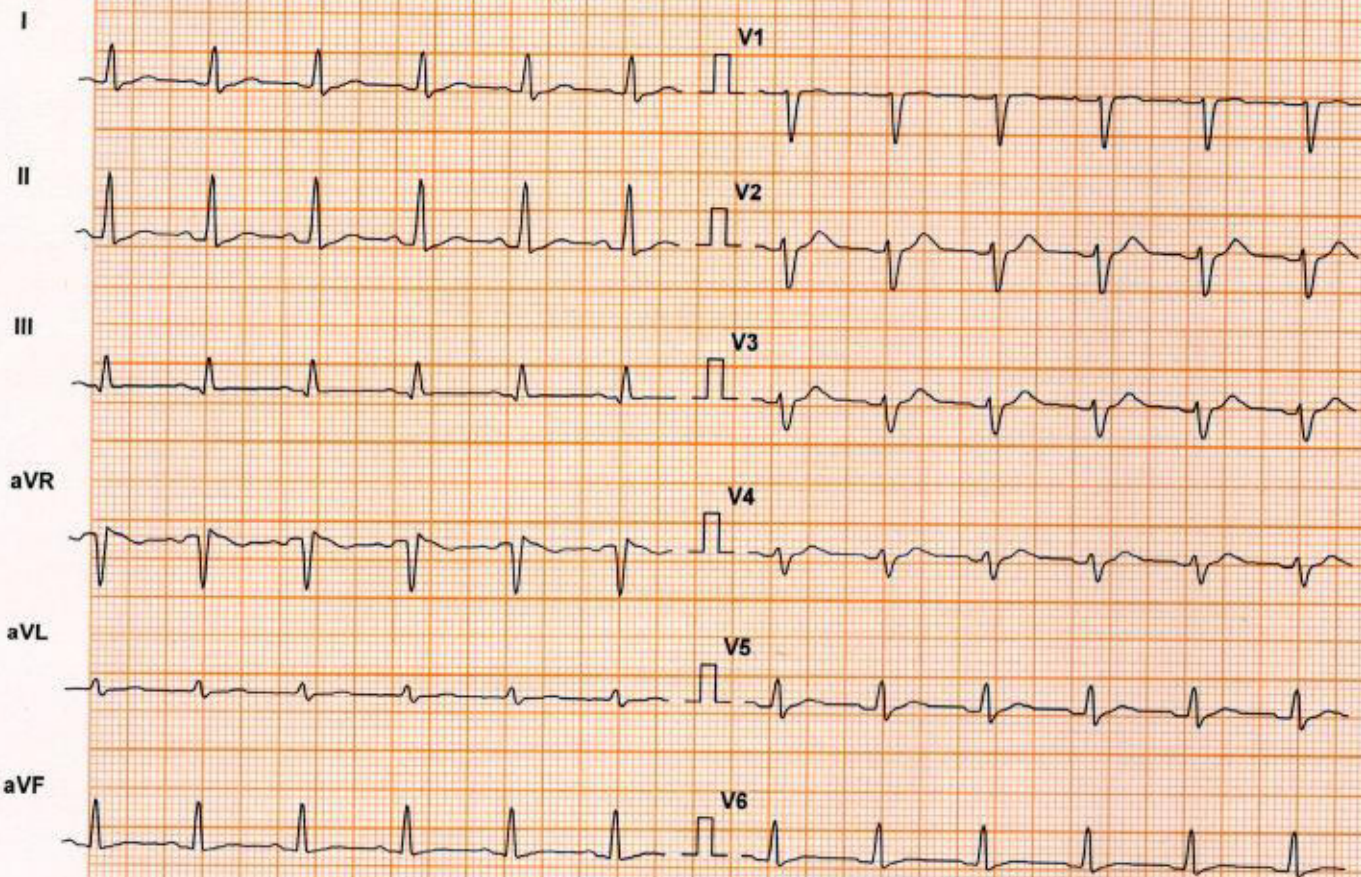
Grade: 0 %

Exec Time : 9 m 46 s

Stage Time : 0 m 41 s

HR: 107 bpm

(THR: 170 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.6	1.4
aVR	-0.8	-1.8
V1	1.1	0.4
V4	1.7	2.1
II	0.6	1.8
aVL	0.0	0.4
V2	2.5	3.2
V5	1.1	1.4
III	0.0	0.4
aVF	0.4	1.1
V3	2.3	2.5
V6	0.6	1.4

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 5 mm

Schiller Spandan V 4.7

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

Post J = J + 60 ms

Linked Median

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Email : customercare.ddrc@srl.in

**PATIENT NAME : MR DEVENDU KRISHNA D**

**PATIENT ID : MRDEM2109914182**

ACCESSION NO : **4182VI009494** AGE : 31 Years SEX : Male

DRAWN : RECEIVED : 21/09/2022 09:08 REPORTED : 21/09/2022 15:35

REFERRING DOCTOR : SELF

CLIENT PATIENT ID :

Test Report Status	Results	Biological Reference Interval	Units
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**MEDIWHEEL HEALTH CHEKUP BELOW 40(M)TMT**

**OPHTHAL**

OPHTHAL REPORT ATTACHED

**\* TREADMILL TEST**

TREADMILL TEST REPORT ATTACHED



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Test Report Status	Results	Units
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**MEDIWHEEL HEALTH CHEKUP BELOW 40(M)TMT** RESULT PENDING

**LIVER PROFILE - EXTENDED** RESULT PENDING

**\* BUN/CREAT RATIO**

BUN/CREAT RATIO 13.1

**CREATININE, SERUM**

CREATININE **0.85** **Low** 0.9 - 1.3 mg/dL

**\* GLUCOSE, POST-PRANDIAL, PLASMA**

GLUCOSE, POST-PRANDIAL, PLASMA 80  
 Diabetes Mellitus : > or = 200 mg/dL  
 Impaired Glucose tolerance/  
 Prediabetes : 140 to 199 mg/dL.  
 Hypoglycemia : < 55 mg/dL.

**GLUCOSE, FASTING, PLASMA**

GLUCOSE, FASTING, PLASMA 97  
 Diabetes Mellitus : > or = 126 mg/dL  
 Impaired fasting Glucose/  
 Prediabetes : 101 to 125 mg/dL.  
 Hypoglycemia : < 55 mg/dL.

**\* GLYCOSYLATED HEMOGLOBIN, EDTA WHOLE BLOOD**

GLYCOSYLATED HEMOGLOBIN (HBA1C) **5.8** **High** Normal : 4.0 - 5.6 %  
 Non-diabetic level : < 5.7%.  
 More stringent goal : < 6.5 %.  
 General goal : < 7%.  
 Less stringent goal : < 8%.  
 Glycemic targets in CKD :-  
 If eGFR > 60 : < 7%.  
 If eGFR < 60 : 7 - 8.5%.

MEAN PLASMA GLUCOSE 119.8 mg/dL

**\* CORONARY RISK PROFILE (LIPID PROFILE), SERUM**

CHOLESTEROL **243** **High** Desirable cholesterol level < 200  
 Borderline high cholesterol 200 - 239  
 High cholesterol > / = 240

TRIGLYCERIDES **319** **High** Normal : < 150  
 High : 150-199  
 Hypertriglyceridemia : 200-499  
 Very High: > 499

HDL CHOLESTEROL **39** **Low** 40 - 60 mg/dL



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Test Report Status	Results	Units
DIRECT LDL CHOLESTEROL	<b>153</b>	<b>High</b> Adult Optimal : < 100 Near optimal : 100 - 129 Borderline high : 130 - 159 High : 160 - 189 Very high : > or = 190 mg/dL
NON HDL CHOLESTEROL	<b>204</b>	<b>High</b> Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220 mg/dL
CHOL/HDL RATIO	<b>6.2</b>	<b>High</b> 3.3-4.4 Low Risk 4.5-7.0 Average Risk 7.1-11.0 Moderate Risk > 11.0 High Risk
LDL/HDL RATIO	<b>3.9</b>	<b>High</b> 0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate Risk >6.0 High Risk
VERY LOW DENSITY LIPOPROTEIN	<b>63.8</b>	<b>High</b> Desirable value : 10 - 35 mg/dL
<b>* LIVER FUNCTION TEST WITH GGT</b>		
BILIRUBIN, DIRECT	<b>0.55</b>	<b>High</b> < 0.31 mg/dL
BILIRUBIN, INDIRECT	<b>1.12</b>	<b>High</b> 0.00 - 0.60 mg/dL
TOTAL PROTEIN	7.3	Ambulatory : 6.4 - 8.3 Recumbant : 6 - 7.8 g/dL
ALBUMIN	5.2	3.5 - 5.2 g/dL
GLOBULIN	2.2	2.0 - 4.0 Neonates - Pre Mature: 0.29 - 1.04 g/dL
ALBUMIN/GLOBULIN RATIO	<b>2.4</b>	<b>High</b> 1.00 - 2.00 RATIO
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	<b>75</b>	<b>High</b> < 40 U/L
ALANINE AMINOTRANSFERASE (ALT/SGPT)	<b>170</b>	<b>High</b> < 45 U/L
ALKALINE PHOSPHATASE	100	40 -130 U/L
GAMMA GLUTAMYL TRANSFERASE (GGT)	<b>68</b>	<b>High</b> < 60 U/L
<b>TOTAL PROTEIN, SERUM</b>		
TOTAL PROTEIN	7.3	Ambulatory : 6.4 - 8.3 Recumbant : 6 - 7.8 g/dL
<b>URIC ACID, SERUM</b>		
URIC ACID	<b>7.8</b>	<b>High</b> 3.4 - 7.0 mg/dL
<b>ABO GROUP &amp; RH TYPE, EDTA WHOLE BLOOD</b>		
ABO GROUP	TYPE O	



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**PATIENT NAME : MR DEVENDU KRISHNA D**

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Test Report Status	Results	Units
RH TYPE	NEGATIVE	
<b>BLOOD COUNTS</b>		
HEMOGLOBIN	14.5	13.0 - 17.0 g/dL
RED BLOOD CELL COUNT	4.82	4.5 - 5.5 mil/ $\mu$ L
WHITE BLOOD CELL COUNT	7.51	4.0 - 10.0 thou/ $\mu$ L
PLATELET COUNT	269	150 - 410 thou/ $\mu$ L
<b>RBC AND PLATELET INDICES</b>		
HEMATOCRIT	44.0	40 - 50 %
MEAN CORPUSCULAR VOL	91.3	83 - 101 fL
MEAN CORPUSCULAR HGB.	30.0	27.0 - 32.0 pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION	32.9	31.5 - 34.5 g/dL
RED CELL DISTRIBUTION WIDTH	<b>15.2</b>	<b>High</b> 11.6 - 14.0 %
MEAN PLATELET VOLUME	10.0	6.8 - 10.9 fL
<b>WBC DIFFERENTIAL COUNT - NLR</b>		
SEGMENTED NEUTROPHILS	58	40 - 80 %
ABSOLUTE NEUTROPHIL COUNT	4.36	2.0 - 7.0 thou/ $\mu$ L
LYMPHOCYTES	29	20 - 40 %
ABSOLUTE LYMPHOCYTE COUNT	2.18	1 - 3 thou/ $\mu$ L
NEUTROPHIL LYMPHOCYTE RATIO (NLR)	2	
EOSINOPHILS	5	1 - 6 %
ABSOLUTE EOSINOPHIL COUNT	0.38	0.02 - 0.50 thou/ $\mu$ L
MONOCYTES	7	2 - 10 %
ABSOLUTE MONOCYTE COUNT	0.53	0.20 - 1.00 thou/ $\mu$ L
BASOPHILS	1	0 - 1 %
ABSOLUTE BASOPHIL COUNT	0.0	thou/ $\mu$ L
<b>ERYTHRO SEDIMENTATION RATE, BLOOD</b>		
SEDIMENTATION RATE (ESR)	9	0 - 14 mm at 1 hr
<b>STOOL: OVA &amp; PARASITE</b>	RESULT PENDING	
<b>* SUGAR URINE - POST PRANDIAL</b>		
SUGAR URINE - POST PRANDIAL	NOT DETECTED	NOT DETECTED
<b>URINALYSIS</b>		
COLOR	YELLOWISH	
APPEARANCE	CLEAR	



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**PATIENT NAME : MR DEVENDU KRISHNA D**
**PATIENT ID : MRDEM2109914182**
**ACCESSION NO : 4182VI009494**    **AGE :** 31 Years    **SEX :** Male

**DRAWN :**    **RECEIVED :** 21/09/2022 09:08    **REPORTED :** 21/09/2022 15:35

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Test Report Status	Results	Units
PH	6.0	
SPECIFIC GRAVITY	1.021	
GLUCOSE	NEGATIVE	NOT DETECTED
PROTEIN	NEGATIVE	NOT DETECTED
KETONES	NEGATIVE	NOT DETECTED
BLOOD	NEGATIVE	NOT DETECTED
BILIRUBIN	NOT DETECTED	NOT DETECTED
UROBILINOGEN	NORMAL	NORMAL
NITRITE	NEGATIVE	NOT DETECTED
WBC	0-1	0-5 /HPF
EPITHELIAL CELLS	0-1	0-5 /HPF
RED BLOOD CELLS	NOT DETECTED	NOT DETECTED /HPF
CASTS	NEGATIVE	
CRYSTALS	NEGATIVE	
REMARKS	NIL	
<b>* THYROID PANEL, SERUM</b>		
T3	89.95	Male and Non-Pregnant : 70-204ng/dL Pregnant Trimester-wise 1st : 81-190 2nd : 100-260 3rd : 100-260
T4	7.10	4.6 - 10.5 µg/dl
TSH 3RD GENERATION	4.010	0.550 - 4.780 µIU/mL

**Interpretation(s)**
**CREATININE, SERUM-**

Higher than normal level may be due to:

- Blockage in the urinary tract
- Kidney problems, such as kidney damage or failure, infection, or reduced blood flow
- Loss of body fluid (dehydration)
- Muscle problems, such as breakdown of muscle fibers
- Problems during pregnancy, such as seizures (eclampsia)), or high blood pressure caused by pregnancy (preeclampsia)

Lower than normal level may be due to:

- Myasthenia Gravis
- Muscular dystrophy

**GLUCOSE, POST-PRANDIAL, PLASMA-**

ADA Guidelines for 2hr post prandial glucose levels is only after ingestion of 75grams of glucose in 300 ml water, over a period of 5 minutes.

**GLUCOSE, FASTING, PLASMA-**

ADA 2012 guidelines for adults as follows:

Pre-diabetics: 100 - 125 mg/dL

Diabetic: &gt; or = 126 mg/dL



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(Ref: Tietz 4th Edition & ADA 2012 Guidelines)

GLYCOSYLATED HEMOGLOBIN, EDTA WHOLE BLOOD-

Glycosylated hemoglobin (Ghb) has been firmly established as an index of long-term blood glucose concentrations and as a measure of the risk for the development of complications in patients with diabetes mellitus. Formation of Ghb is essentially irreversible, and the concentration in the blood depends on both the life span of the red blood cell (average 120 days) and the blood glucose concentration. Because the rate of formation of Ghb is directly proportional to the concentration of glucose in the blood, the Ghb concentration represents the integrated values for glucose over the preceding 6-8 weeks.

Any condition that alters the life span of the red blood cells has the potential to alter the Ghb level. Samples from patients with hemolytic anemias will exhibit decreased glycosylated hemoglobin values due to the shortened life span of the red cells. This effect will depend upon the severity of the anemia. Samples from patients with polycythemia or post-splenectomy may exhibit increased glycosylated hemoglobin values due to a somewhat longer life span of the red cells.

Glycosylated hemoglobins results from patients with HbSS, HbCC, and HbSC and HbD must be interpreted with caution, given the pathological processes, including anemia, increased red cell turnover, transfusion requirements, that adversely impact HbA1c as a marker of long-term glycemic control. In these conditions, alternative forms of testing such as glycated serum protein (fructosamine) should be considered.

"Targets should be individualized; More or less stringent glycemic goals may be appropriate for individual patients. Goals should be individualized based on duration of diabetes, age/life expectancy, comorbid conditions, known CVD or advanced microvascular complications, hypoglycemia unawareness, and individual patient considerations."

References

1. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, edited by Carl A Burtis, Edward R.Ashwood, David E Bruns, 4th Edition, Elsevier publication, 2006, 879-884.
  2. Forsham PH. Diabetes Mellitus:A rational plan for management. Postgrad Med 1982, 71,139-154.
  3. Mayer TK, Freedman ZR: Protein glycosylation in Diabetes Mellitus: A review of laboratory measurements and their clinical utility. Clin Chim Acta 1983, 127, 147-184.
- CORONARY RISK PROFILE (LIPID PROFILE), SERUM-  
 Serum cholesterol is a blood test that can provide valuable information for the risk of coronary artery disease This test can help determine your risk of the build up of plaques in your arteries that can lead to narrowed or blocked arteries throughout your body (atherosclerosis). High cholesterol levels usually don't cause any signs or symptoms, so a cholesterol test is an important tool. High cholesterol levels often are a significant risk factor for heart disease and important for diagnosis of hyperlipoproteinemia, atherosclerosis, hepatic and thyroid diseases.

Serum Triglyceride are a type of fat in the blood. When you eat, your body converts any calories it doesn't need into triglycerides, which are stored in fat cells. High triglyceride levels are associated with several factors, including being overweight, eating too many sweets or drinking too much alcohol, smoking, being sedentary, or having diabetes with elevated blood sugar levels. Analysis has proven useful in the diagnosis and treatment of patients with diabetes mellitus, nephrosis, liver obstruction, other diseases involving lipid metabolism, and various endocrine disorders. In conjunction with high density lipoprotein and total serum cholesterol, a triglyceride determination provides valuable information for the assessment of coronary heart disease risk.It is done in fasting state.

High-density lipoprotein (HDL) cholesterol. This is sometimes called the ""good"" cholesterol because it helps carry away LDL cholesterol, thus keeping arteries open and blood flowing more freely.HDL cholesterol is inversely related to the risk for cardiovascular disease. It increases following regular exercise, moderate alcohol consumption and with oral estrogen therapy. Decreased levels are associated with obesity, stress, cigarette smoking and diabetes mellitus.

SERUM LDL The small dense LDL test can be used to determine cardiovascular risk in individuals with metabolic syndrome or established/progressing coronary artery disease, individuals with triglyceride levels between 70 and 140 mg/dL, as well as individuals with a diet high in trans-fat or carbohydrates. Elevated sdLDL levels are associated with metabolic syndrome and an 'atherogenic lipoprotein profile', and are a strong, independent predictor of cardiovascular disease. Elevated levels of LDL arise from multiple sources. A major factor is sedentary lifestyle with a diet high in saturated fat. Insulin-resistance and pre-diabetes have also been implicated, as has genetic predisposition. Measurement of sdLDL allows the clinician to get a more comprehensive picture of lipid risk factors and tailor treatment accordingly. Reducing LDL levels will reduce the risk of CVD and MI.

Non HDL Cholesterol - Adult treatment panel ATP III suggested the addition of Non-HDL Cholesterol as an indicator of all atherogenic lipoproteins (mainly LDL and VLDL). NICE guidelines recommend Non-HDL Cholesterol measurement before initiating lipid lowering therapy. It has also been shown to be a better marker of risk in both primary and secondary prevention studies.

Recommendations:

Results of Lipids should always be interpreted in conjunction with the patient's medical history, clinical presentation and other findings.

NON FASTING LIPID PROFILE includes Total Cholesterol, HDL Cholesterol and calculated non-HDL Cholesterol. It does not include triglycerides and may be best used in patients for whom fasting is difficult.

TOTAL PROTEIN, SERUM-

Serum total protein,also known as total protein, is a biochemical test for measuring the total amount of protein in serum..Protein in the plasma is made up of albumin and globulin

Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom's disease  
 Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage),Burns,Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome,Protein-losing enteropathy etc.

URIC ACID, SERUM-

Causes of Increased levels

Dietary

- High Protein Intake.
- Prolonged Fasting,
- Rapid weight loss.



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Test Report Status	Results	Units
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Gout  
 Lesch nyhan syndrome.  
 Type 2 DM.  
 Metabolic syndrome.

- Causes of decreased levels
- Low Zinc Intake
  - OCP's
  - Multiple Sclerosis

- Nutritional tips to manage increased Uric acid levels
- Drink plenty of fluids
  - Limit animal proteins
  - High Fibre foods
  - Vit C Intake
  - Antioxidant rich foods

**ABO GROUP & RH TYPE, EDTA WHOLE BLOOD-**

Blood group is identified by antigens and antibodies present in the blood. Antigens are protein molecules found on the surface of red blood cells. Antibodies are found in plasma. To determine blood group, red cells are mixed with different antibody solutions to give A,B,O or AB.

Disclaimer: "Please note, as the results of previous ABO and Rh group (Blood Group) for pregnant women are not available, please check with the patient records for availability of the same."

The test is performed by both forward as well as reverse grouping methods.

**BLOOD COUNTS-**

The cell morphology is well preserved for 24hrs. However after 24-48 hrs a progressive increase in MCV and HCT is observed leading to a decrease in MCHC. A direct smear is recommended for an accurate differential count and for examination of RBC morphology.

**RBC AND PLATELET INDICES-**

The cell morphology is well preserved for 24hrs. However after 24-48 hrs a progressive increase in MCV and HCT is observed leading to a decrease in MCHC. A direct smear is recommended for an accurate differential count and for examination of RBC morphology.

**WBC DIFFERENTIAL COUNT - NLR-**

The optimal threshold of 3.3 for NLR showed a prognostic possibility of clinical symptoms to change from mild to severe in COVID positive patients. When age = 49.5 years old and NLR = 3.3, 46.1% COVID-19 patients with mild disease might become severe. By contrast, when age < 49.5 years old and NLR < 3.3, COVID-19 patients tend to show mild disease.

(Reference to - The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients ; A.-P. Yang, et al.; International Immunopharmacology 84 (2020) 106504  
 This ratio element is a calculated parameter and out of NABL scope.

**ERYTHRO SEDIMENTATION RATE, BLOOD-**

Erythrocyte sedimentation rate (ESR) is a non - specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives). It is especially low (0 -1mm) in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

**Reference :**

1. Nathan and Oski's Haematology of Infancy and Childhood, 5th edition
2. Paediatric reference intervals. AACC Press, 7th edition. Edited by S. Soldin
3. The reference for the adult reference range is "Practical Haematology by Dacie and Lewis, 10th Edition"

**SUGAR URINE - POST PRANDIAL-METHOD: DIPSTICK/BENEDICT'S TEST**

URINALYSIS-Routine urine analysis assists in screening and diagnosis of various metabolic, urological, kidney and liver disorders

Protein: Elevated proteins can be an early sign of kidney disease. Urinary protein excretion can also be temporarily elevated by strenuous exercise, orthostatic proteinuria, dehydration, urinary tract infections and acute illness with fever

Glucose: Uncontrolled diabetes mellitus can lead to presence of glucose in urine. Other causes include pregnancy, hormonal disturbances, liver disease and certain medications.

Ketones: Uncontrolled diabetes mellitus can lead to presence of ketones in urine. Ketones can also be seen in starvation, frequent vomiting, pregnancy and strenuous exercise.

Blood: Occult blood can occur in urine as intact erythrocytes or haemoglobin, which can occur in various urological, nephrological and bleeding disorders.

Leukocytes: An increase in leukocytes is an indication of inflammation in urinary tract or kidneys. Most common cause is bacterial urinary tract infection.

Nitrite: Many bacteria give positive results when their number is high. Nitrite concentration during infection increases with length of time the urine specimen is retained in bladder prior to collection.

pH: The kidneys play an important role in maintaining acid base balance of the body. Conditions of the body producing acidosis/ alkalosis or ingestion of certain type of food can affect the pH of urine.

Specific gravity: Specific gravity gives an indication of how concentrated the urine is. Increased specific gravity is seen in conditions like dehydration, glycosuria and proteinuria while decreased specific gravity is seen in excessive fluid intake, renal failure and diabetes insipidus.

Bilirubin: In certain liver diseases such as biliary obstruction or hepatitis, bilirubin gets excreted in urine.

Urobilinogen: Positive results are seen in liver diseases like hepatitis and cirrhosis and in cases of hemolytic anemia

**THYROID PANEL, SERUM-**

Triiodothyronine T3 , is a thyroid hormone. It affects almost every physiological process in the body, including growth, development, metabolism, body temperature, and



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**PATIENT NAME : MR DEVENDU KRISHNA D**

**PATIENT ID : MRDEM2109914182**

**ACCESSION NO : 4182VI009494**    **AGE :** 31 Years    **SEX :** Male

**DRAWN :**    **RECEIVED :** 21/09/2022 09:08    **REPORTED :** 21/09/2022 15:35

**REFERRING DOCTOR :** SELF

**CLIENT PATIENT ID :**

Test Report Status	Results	Units
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heart rate. Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary gland. Elevated concentrations of T3, and T4 in the blood inhibit the production of TSH.

Thyroxine T4, Thyroxine's principal function is to stimulate the metabolism of all cells and tissues in the body. Excessive secretion of thyroxine in the body is hyperthyroidism, and deficient secretion is called hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the circulating hormone is free and biologically active.

In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

Below mentioned are the guidelines for Pregnancy related reference ranges for Total T4, TSH & Total T3

Levels in	TOTAL T4 (µg/dL)	TSH3G (µIU/mL)	TOTAL T3 (ng/dL)
Pregnancy	6.6 - 12.4	0.1 - 2.5	81 - 190
1st Trimester	6.6 - 15.5	0.2 - 3.0	100 - 260
2nd Trimester	6.6 - 15.5	0.3 - 3.0	100 - 260
3rd Trimester	6.6 - 15.5	0.3 - 3.0	100 - 260

Below mentioned are the guidelines for age related reference ranges for T3 and T4.

	T3 (ng/dL)	T4 (µg/dL)
New Born:	75 - 260	1-3 day: 8.2 - 19.9
.		1 Week: 6.0 - 15.9

NOTE: TSH concentrations in apparently normal euthyroid subjects are known to be highly skewed, with a strong tailed distribution towards higher TSH values. This is well documented in the pediatric population including the infant age group.

Kindly note: Method specific reference ranges are appearing on the report under biological reference range.

Reference:

1. Burtis C.A., Ashwood E. R. Bruns D.E. Teitz textbook of Clinical Chemistry and Molecular Diagnostics, 4th Edition.
2. Gowenlock A.H. Varley's Practical Clinical Biochemistry, 6th Edition.
3. Behrman R.E. Kilegman R.M., Jenson H. B. Nelson Text Book of Pediatrics, 17th Edition



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**PATIENT NAME : MR DEVENDU KRISHNA D****PATIENT ID : MRDEM2109914182**ACCESSION NO : **4182VI009494** AGE : 31 Years SEX : Male

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**MEDIWHEEL HEALTH CHEKUP BELOW 40(M)TMT****\* ECG WITH REPORT****REPORT**

REPORT ATTACHED

**\* USG ABDOMEN AND PELVIS****REPORT**

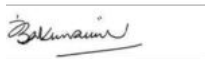
REPORT ATTACHED

**\* CHEST X-RAY WITH REPORT****REPORT**

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

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