

# FITNESS CERTIFICATE



NAME: Akula. Uma	AGE: 24y Female
HT: 148 CMS:	WT: 40. KGS: SEX: female


PARAMETERS	MEASUREMENTS
PULSE/BP(supine)	72 /mt / /mmHg 110/70.
INSPIRATION	30
EXPIRATION	32
CHEST CIRCUMFERENCE	31
PREVIOUS ILLNESS	
VISION	S/b. normal
FAMILY HISTORY	FATHER: MOTHER:

REPORTS:

FIT

DATE: 27/06/23

PLACE: Visakhapatnam.

  
CONSULTANT PHYSICIAN  
Dr. Lanka Prasad, M. B. B. S.,  
Reg. No. 18363  
CIVIL ASSISTANT SURGEON  
MEDICAL OFFICER  
Primary Health Centre  
KASIN KOTA-531 031  
VISAKHA Dist.

Mrs. a uma

24 Years

Female

27.06.2023 13:44:48  
MEDALL HEALTHCARE PVT LTD  
OFFICIAL COLONY MAHARAJAPETA  
VISAKHAPATNAM

Room:

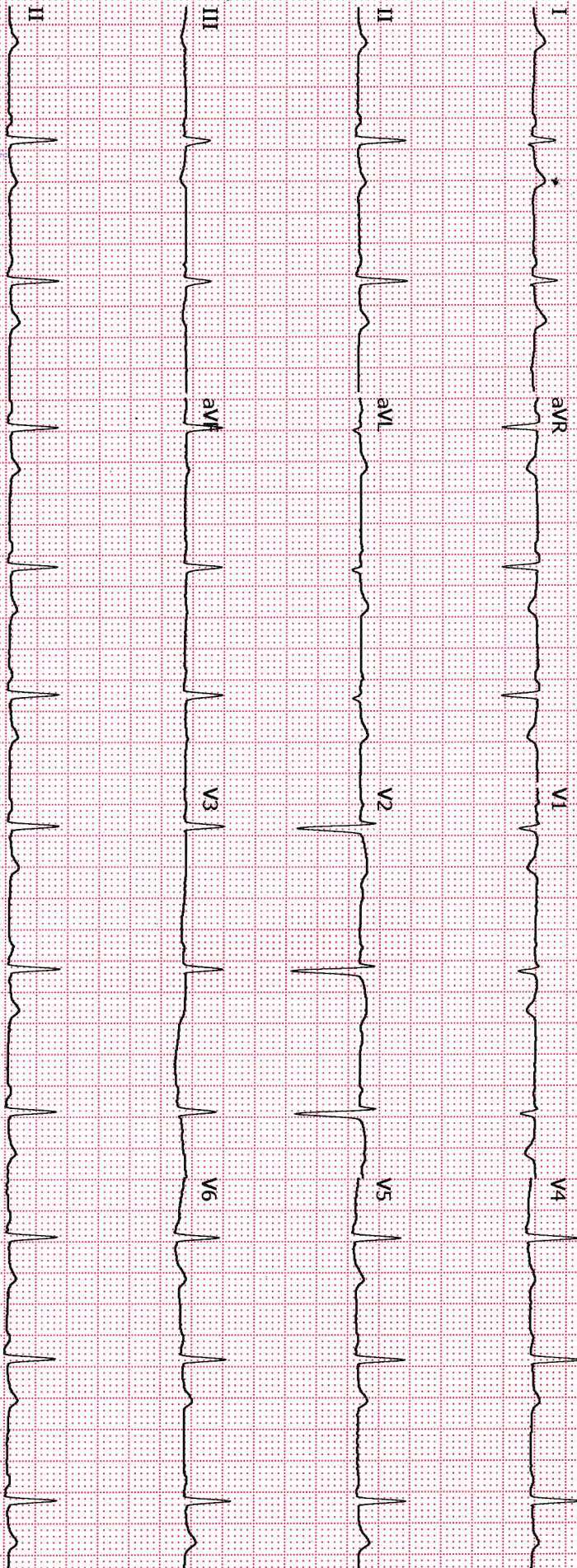
69 bpm

- / - mmHg

Technician:  
Ordering Ph:  
Referring Ph:  
Attending Ph:

Location:  
Order Number:  
Visit:  
Indication:  
Medication 1:  
Medication 2:  
Medication 3:

QRS : 76 ms  
QT / QTcBaz : 388 / 415 ms  
PR : 138 ms  
P : 110 ms  
RR / pp : 870 / 869 ms  
P / QRS / T : 24 / 61 / 19 degrees  
Normal sinus rhythm  
Normal ECG



GE MAC2000

1.1

12SL™ V241

25 mm/s

10 mm/mV

ADS

0.56-20 Hz

50 Hz

4x2.5x3\_25\_R1

1/1

Unconfirmed

MICRO ARRAY PLATE

9 2 1 9 5

**MRS. A. UMA,**  
 Patient ID: MED11170498  
 06/27/2023  
 Female  
 24 yrs Indian  
 13:57:20  
 Meds:

Exercise Test / Tabular Summary

MEDALL HEALTHCARE PVT LTD

Test Reason:  
 Medical History:  
 Ref MD: Ordering MD:  
 Technician: Test Type:  
 Comment:

BRUCE: Exercise Time 12:01  
 Max HR: 155 bpm 79% of max predicted 196 bpm HR at rest: 73  
 Max BP: 140/90 mmHg Max RPP: 20150 mmHg\* bpm  
 Maximum Workload: 13.30 METS  
 Max. ST: -1.05 mm, -1.16 mV/s in III; EXERCISE STAGE 4 11:29  
 Arrhythmia: A:6, PVC:1, PSVC:2  
 ST/HR index: 1.15  $\mu$ V/bpm  
 ST/HR slope: 1.19  $\mu$ V/bpm (II)  
 HR reserve used: 63 %  
 HR recovery: 32 bpm  
 VE recovery: 0 VE/min  
 ST/HR hysteresis: 0.029 mV (II)  
 ORS duration: BASELINE: 72 ms, PEAK EX: 76 ms, REC: 76 ms  
**Reasons for Termination:** Target heart rate achieved  
**Summary:**  
**Resting ECG:** normal. **Functional Capacity:** normal. **HR Response to Exercise:** appropriate. **BP Response to Exercise:** normal resting BP - appropriate response.  
**Chest Pain:** none. **Arrhythmias:** none. **ST Changes:** none. **Overall Impression:** Normal stress test.  
 Room:  
 Location: \* 0 \*

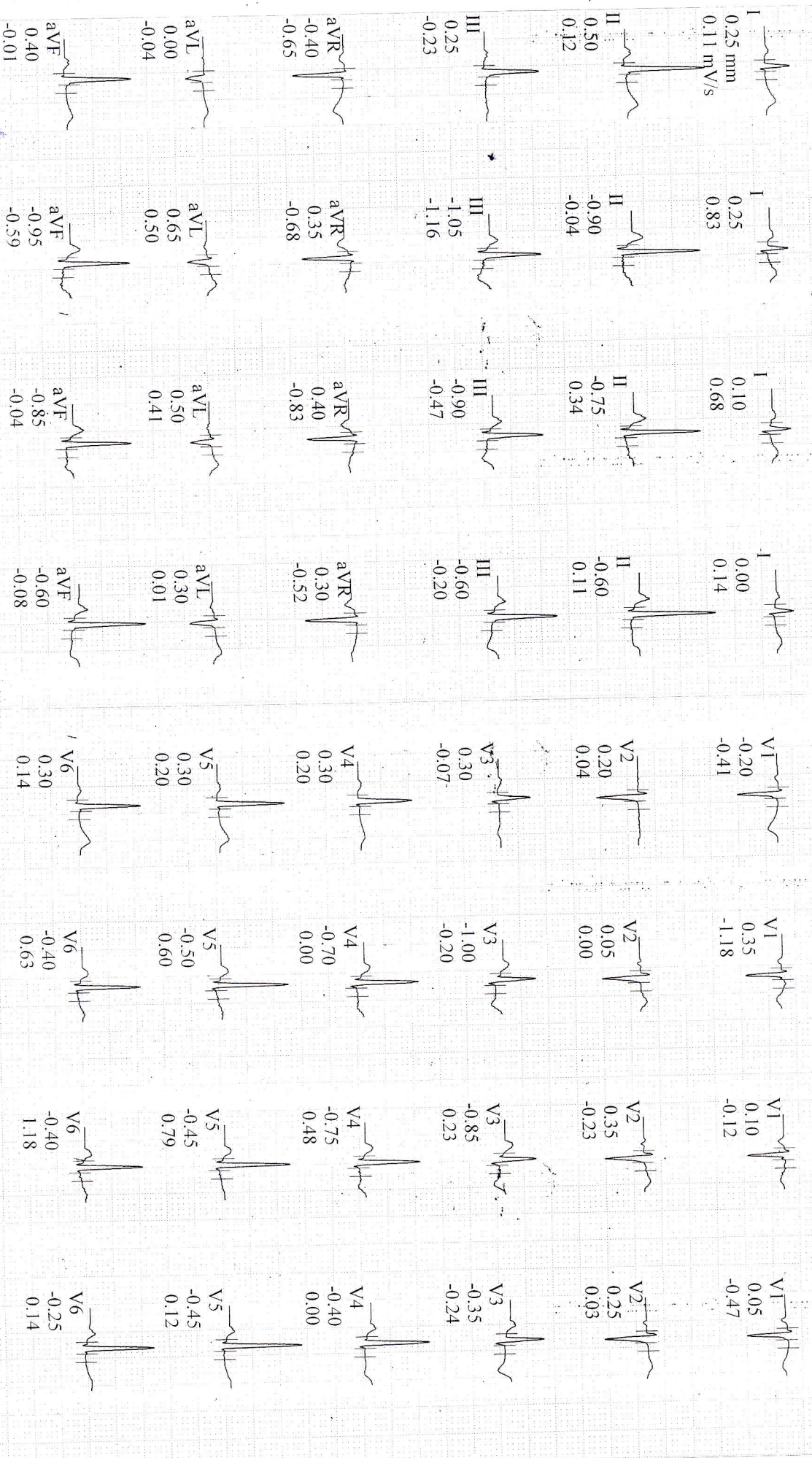
Phase Name	Stage-Name	Time in Stage	Speed [km/h]	Grade [%]	Workload [METs]	HR [bpm]	BP [mmHg]	RPP [mmHg*bp]	VE [l/min]	ST-Level III [mm]	Comment
PRETEST	SUPINE	00:16	0.00	0.00	1.0	74			0	-0.20	
	STANDING	00:06	0.00	0.00	1.0	76			0	0.25	
	HYPERV.	00:04	0.00	0.00	1.0	76			0	0.20	
	WARM-UP	00:04	0.00	0.00	1.0	77			0	0.30	
EXERCISE	STAGE 1	03:00	2.70	10.00	4.6	97	120/80	11640	0	0.00	
	STAGE 2	03:00	4.00	12.00	7.0	113	120/80	13560	0	-0.05	
	STAGE 3	03:00	5.40	14.00	10.0	134	130/90	17420	0	-0.25	
	STAGE 4	03:00	6.70	16.00	13.3	151	130/90	19630	0	-0.90	
	STAGE 5	00:01	6.70	16.00	13.3	151	130/90	19630	0	-0.90	
RECOVERY		02:55	0.00	0.00	1.0	113	140/90	15820	0	-0.60	

Stress Test - Negative

S. M. S.

Female  
24 yrs Indian

BASELINE EXERCISE	MAX. ST EXERCISE	PEAK EXERCISE	TEST END RECOVERY	BASELINE EXERCISE	MAX. ST EXERCISE	PEAK EXERCISE	TEST END RECOVERY
0:00 77 bpm	11:29 150 bpm 130/90 mmHg	12:01 151 bpm 130/90 mmHg	2:50 112 bpm 140/90 mmHg	0:00 77 bpm	11:29 150 bpm 130/90 mmHg	12:01 151 bpm 130/90 mmHg	2:50 112 bpm 140/90 mmHg



GE CardioSoft V7.0 (10)  
10 mm/mV 50 Hz 0.04-20 Hz HEART V5.41.1

Unconfirmed

Attending MD:

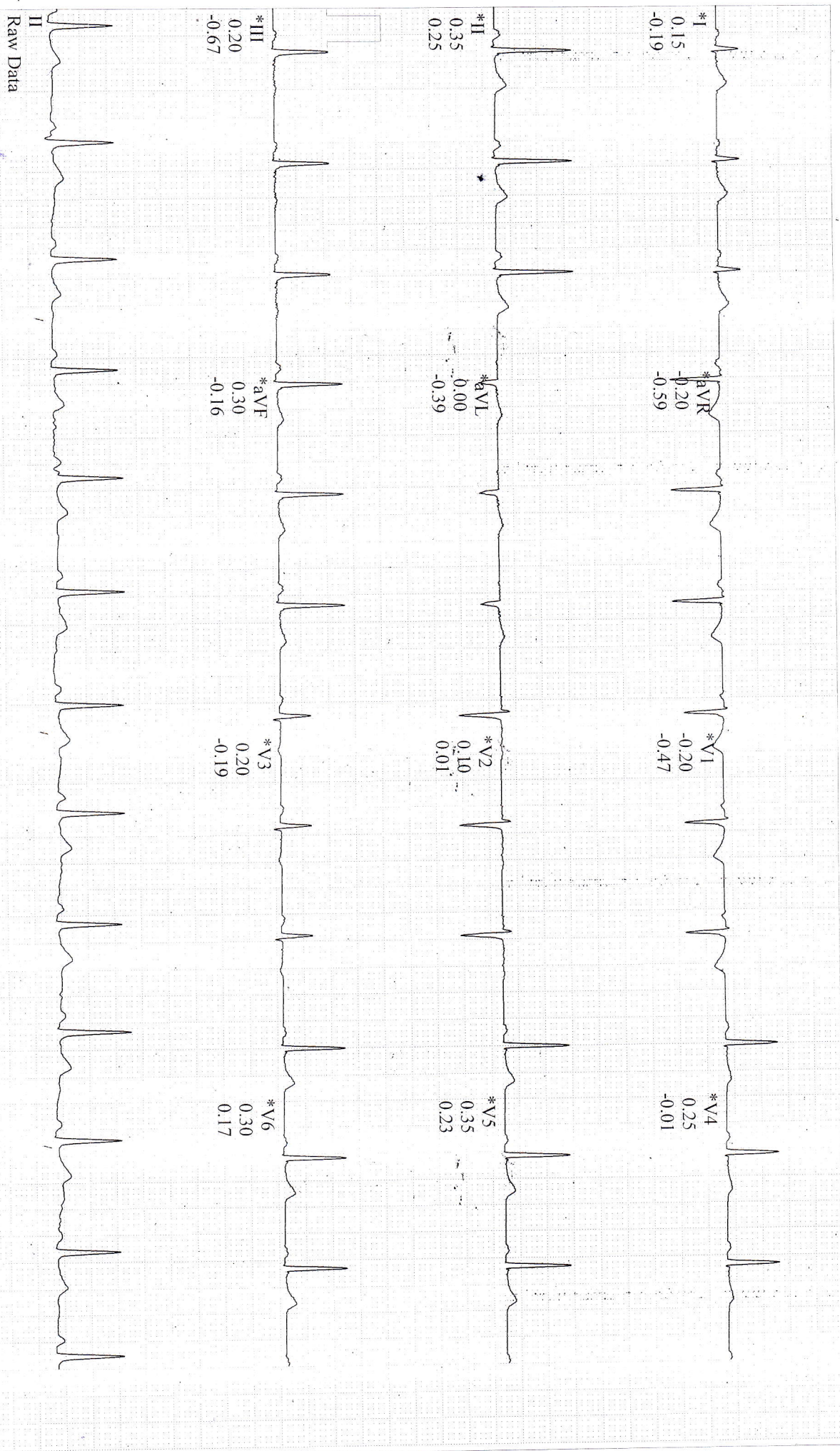
Patient ID: MED11170498  
Date: 1/2023  
Gender: Female  
Age: 24 yrs  
Ethnicity: Indian

73 bpm

Exercise Test / Linked Medians  
PRETEST  
SUPINE  
00:11

BRUCE  
0.0 km/h  
0.0 %

MEDALL HEALTHCARE PVT LTD  
Lead  
ST Level (mm)  
ST Slope (mV/s)



\*Computer Synthesized Rhythms

GE CardioSoft V7.0 (10)  
25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF-

Start of Test: 13:57:20

Patient ID: MED11170498  
Date: 08/27/2023  
Gender: Female  
Age: 24 yrs  
Ethnicity: Indian

74 bpm

Exercise Test / Linked Medians  
PRETEST  
STANDING  
00:17

BRUCE  
0.0 km/h  
0.0 %

MEDALL HEALTHCARE PVT LTD

Lead  
ST Level (mm)  
ST Slope (mV/s)



\*Computer Synthesized Rhythms

GE CardioSoft V7.0 (10)  
25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF- HR(II,V5)

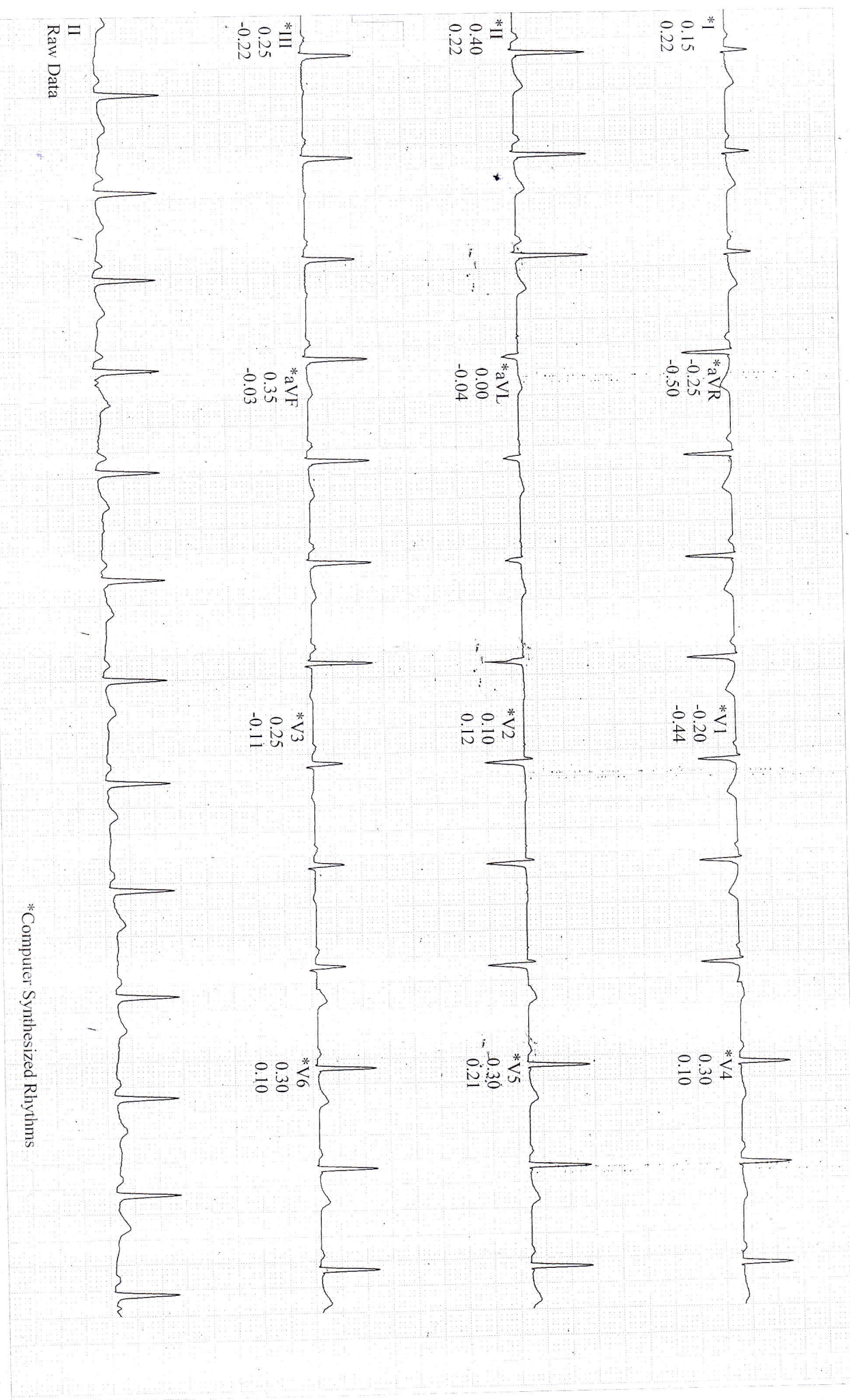
Start of Test: 13:57:20

76 bpm

EXERCISE TEST / LINKED MEASUREMENTS  
PRETEST  
HYPERV.  
00:22

BRUCE  
0.0 km/h  
0.0 %

Lead  
ST Level (mm)  
ST Slope (mV/s)



GE CardioSoft V7.0 (10)  
25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF- HR(II.V5)

Start of Test: 13:57:20

PATIENT ID: MED1170498  
Date: 02/27/2023  
13:57:48  
Female  
24 yrs Indian

77 bpm

Exercise Test / Linked Medians  
PRETEST  
WARM-UP  
00:27

BRUCE  
0.0 km/h  
0.0 %

MEDALL HEALTHCARE PVT LTD

Lead  
ST Level (mm)  
ST Slope (mV/s)



GE CardioSoft V7.0 (10)  
25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF- HR(II, V5)

Start of Test: 13:57:20



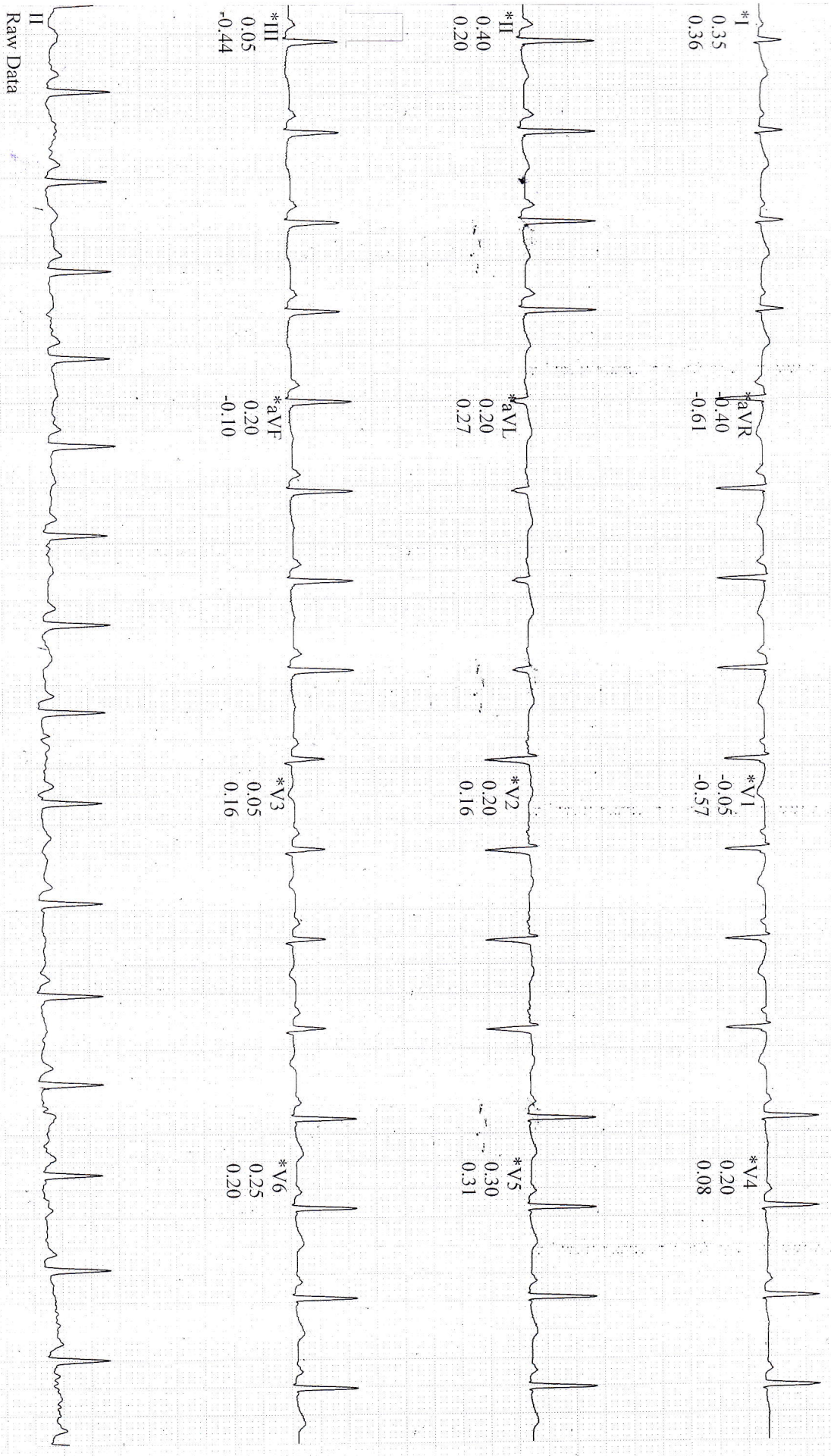
Patient ID: MED11170498  
06/27/2023 Female  
14:00:39 24 yrs Indian

Exercise Test / Linked Medians  
EXERCISE  
STAGE 1  
96 bpm  
120/80 mmHg  
02:50

BRUCE  
2.7 km/h  
10.0 %

MEDALL HEALTHCARE PVT LTD

Lead  
ST Level (mm)  
ST Slope (mV/s)



Raw Data

\*Computer Synthesized Rhythms

GE CardioSoft V7.0 (10)  
25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF- HR(II, V5)

Start of Test: 13:57:20

UMA,

Patient ID: MED11170498

06/27/2023

14:03:39

Female

24 yrs Indian

Exercise Test / Linked Medians

EXERCISE STAGE 2

117 bpm  
120/80 mmHg

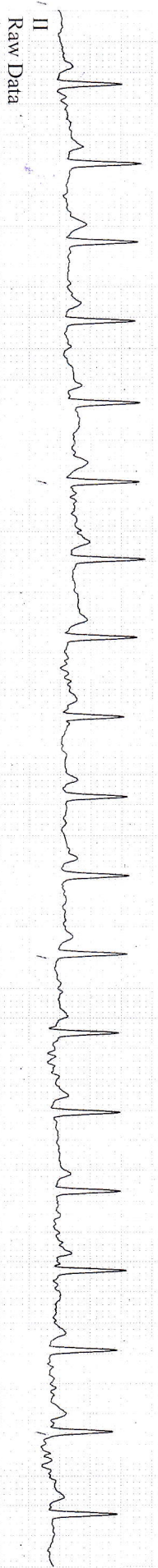
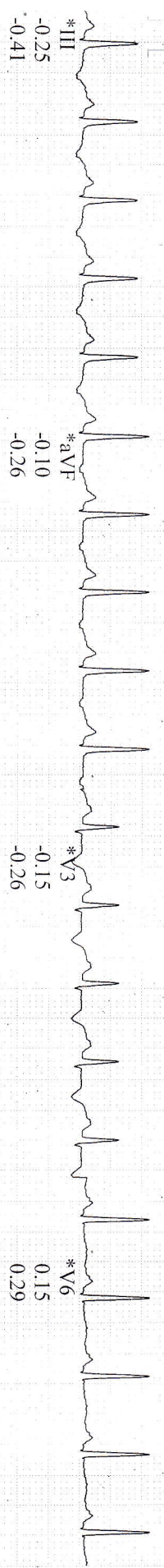
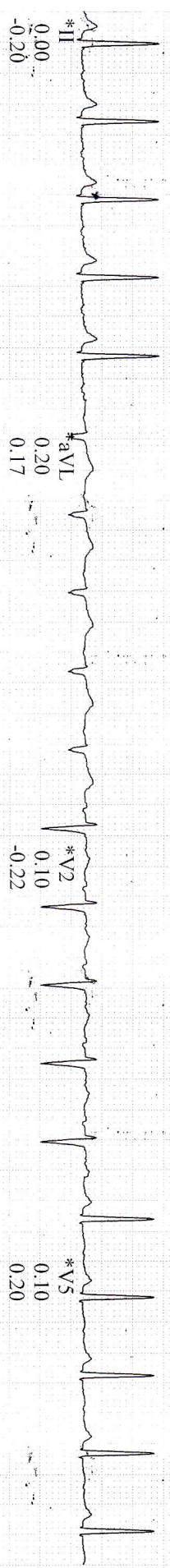
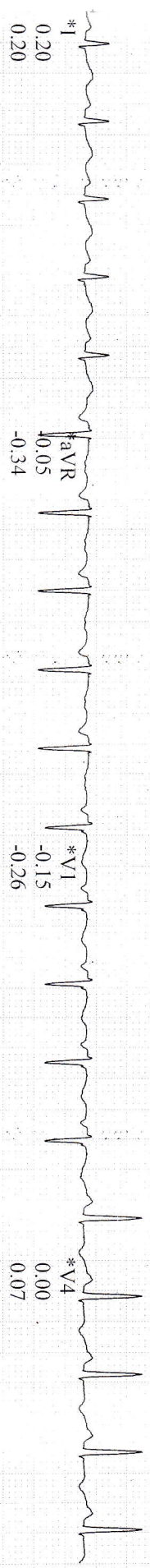
05:50

BRUCE

4.0 km/h  
12.0 %

MEDALL HEALTHCARE PVT LTD

Lead  
ST Level (mm)  
ST Slope (mV/s)



\*Computer Synthesized Rhythms

GE CardioSoft V7.0 (10)  
25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF- HR(II, V5)

Start of Test: 13:57:20

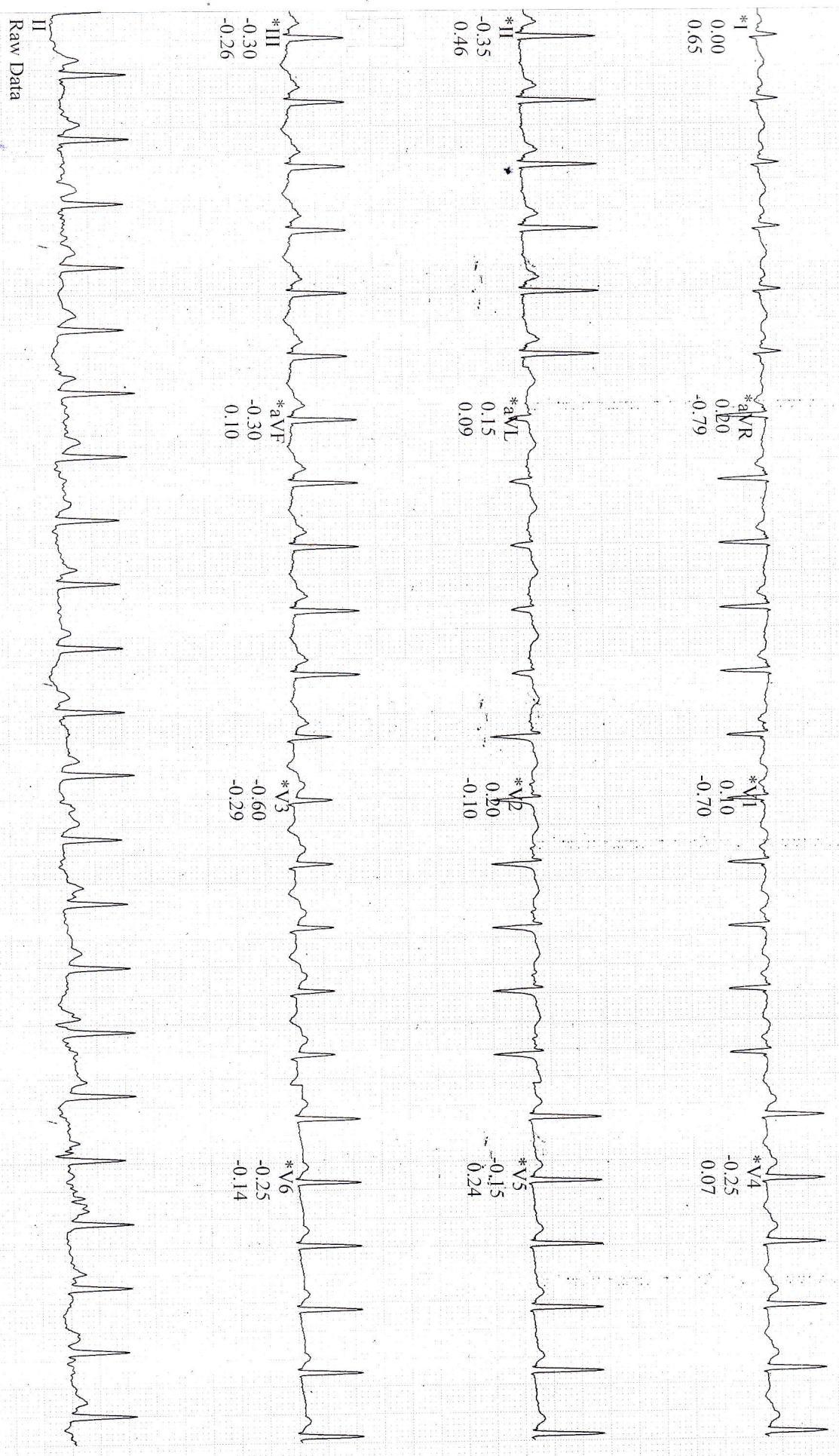
PATIENT ID: MED11170498  
08/27/2023 Female  
14:06:39 24 yrs Indian

Exercise Test / Linked Medians  
EXERCISE  
STAGE 3  
134 bpm  
130/90 mmHg  
08:50

BRUCE  
5.4 km/h  
14.0%

MEDALL HEALTHCARE PVT LTD

Lead  
ST Level (mm)  
ST Slope (mV/s)



\*Computer Synthesized Rhythms

GE CardioSoft V7.0 (10)  
25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF- HR(II,V5)

Start of Test: 13:57:20

UMA,

Patient ID: MED11170498

06/27/2023

14:09:39

Female

24 yrs Indian

Exercise Test / Linked Medians

EXERCISE

STAGE 4

11:50

155 bpm  
130/90 mmHg

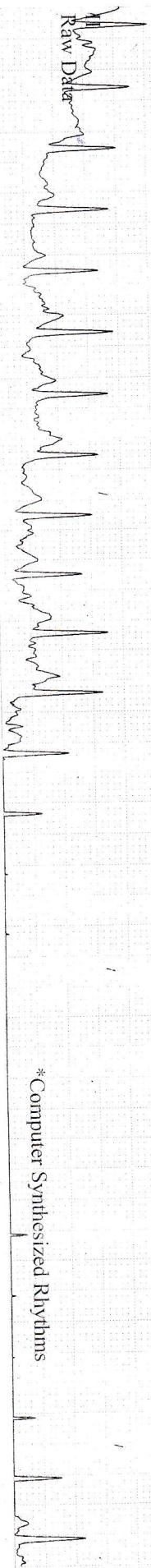
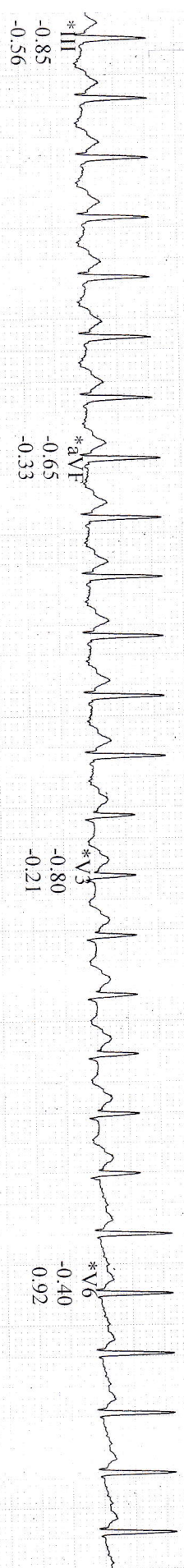
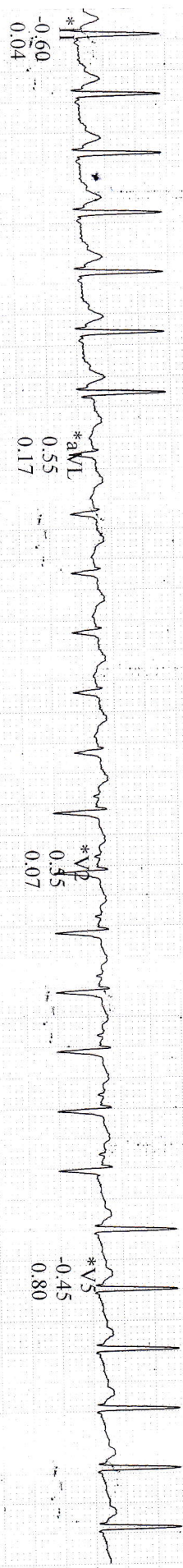
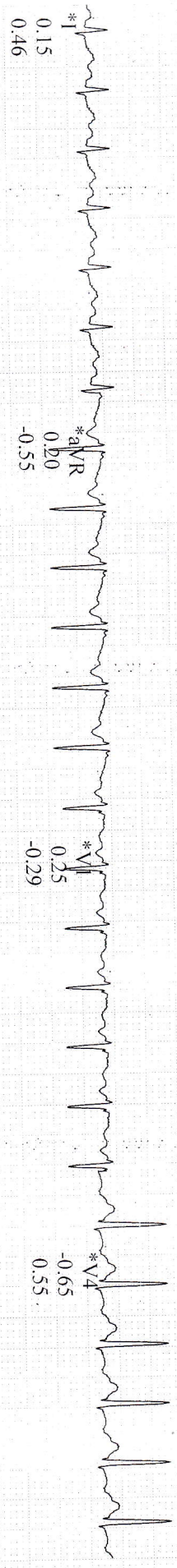
BRUCE

6.7 km/h

16.0 %

MEDALL HEALTHCARE PVT LTD

Lead  
ST Level (mm)  
ST Slope (mV/s)



\*Computer Synthesized Rhythms

GE CardioSoft V7.0 (10)  
25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF- HR(QI,V5)

Start of Test: 13:57:20

PALUMA,  
 Patient ID: MED11170498  
 06/27/2023 Female  
 14:09:50 24 yrs Indian

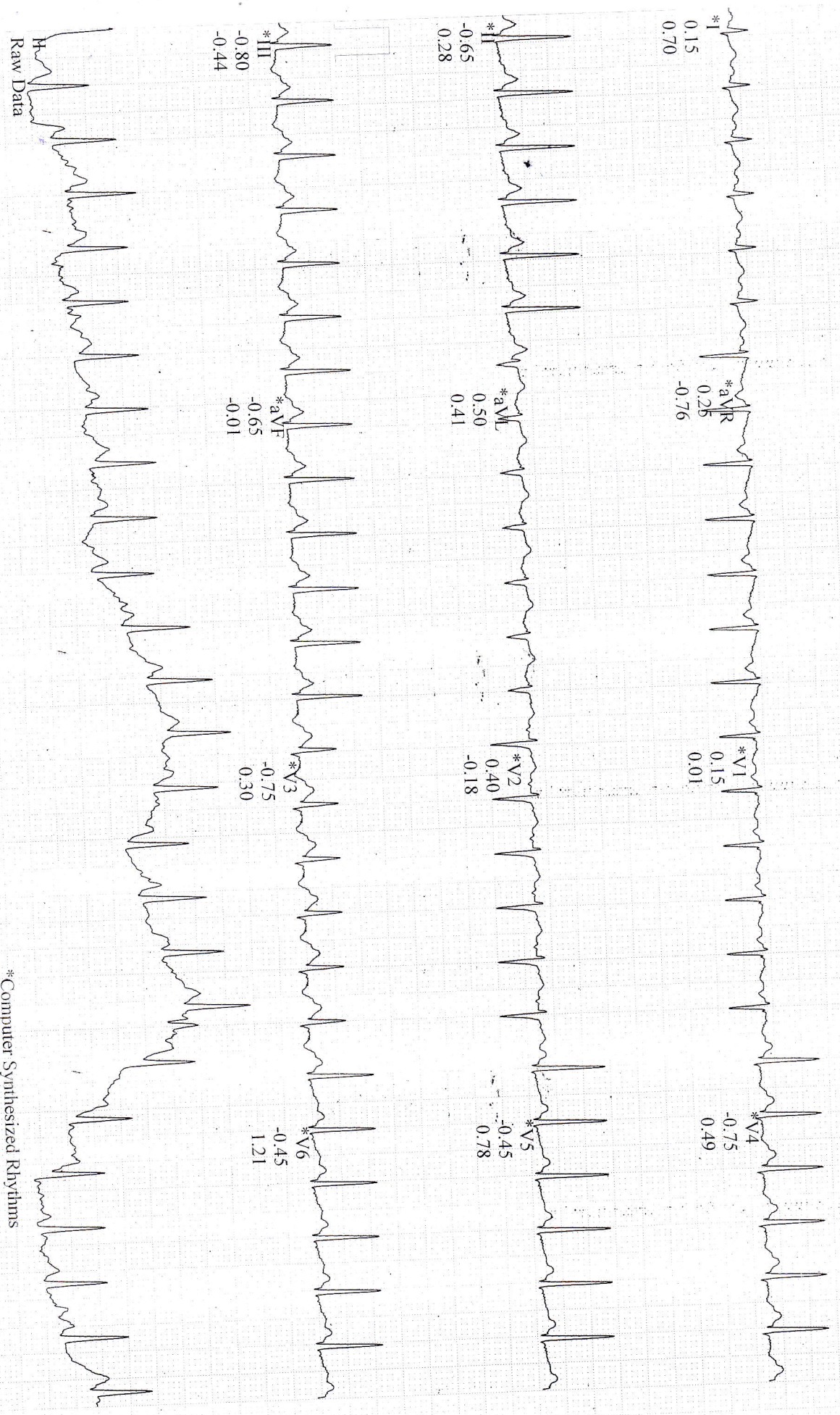
151 bpm  
 130/90 mmHg

EXERCISE  
 STAGE 5  
 12:01

BRUCE  
 6.7 km/h  
 16.0 %

MEDALL HEALTHCARE PVT LTD  
 Lead  
 ST Level (mm)  
 ST Slope (mV/s)

Exercise Test / Linked Medians ( PEAK EXERCISE )



\*Computer Synthesized Rhythms

Raw Data

GE CardioSoft V7.0 (10)  
 25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF- HR(II,V5)

Start of Test: 13:57:20

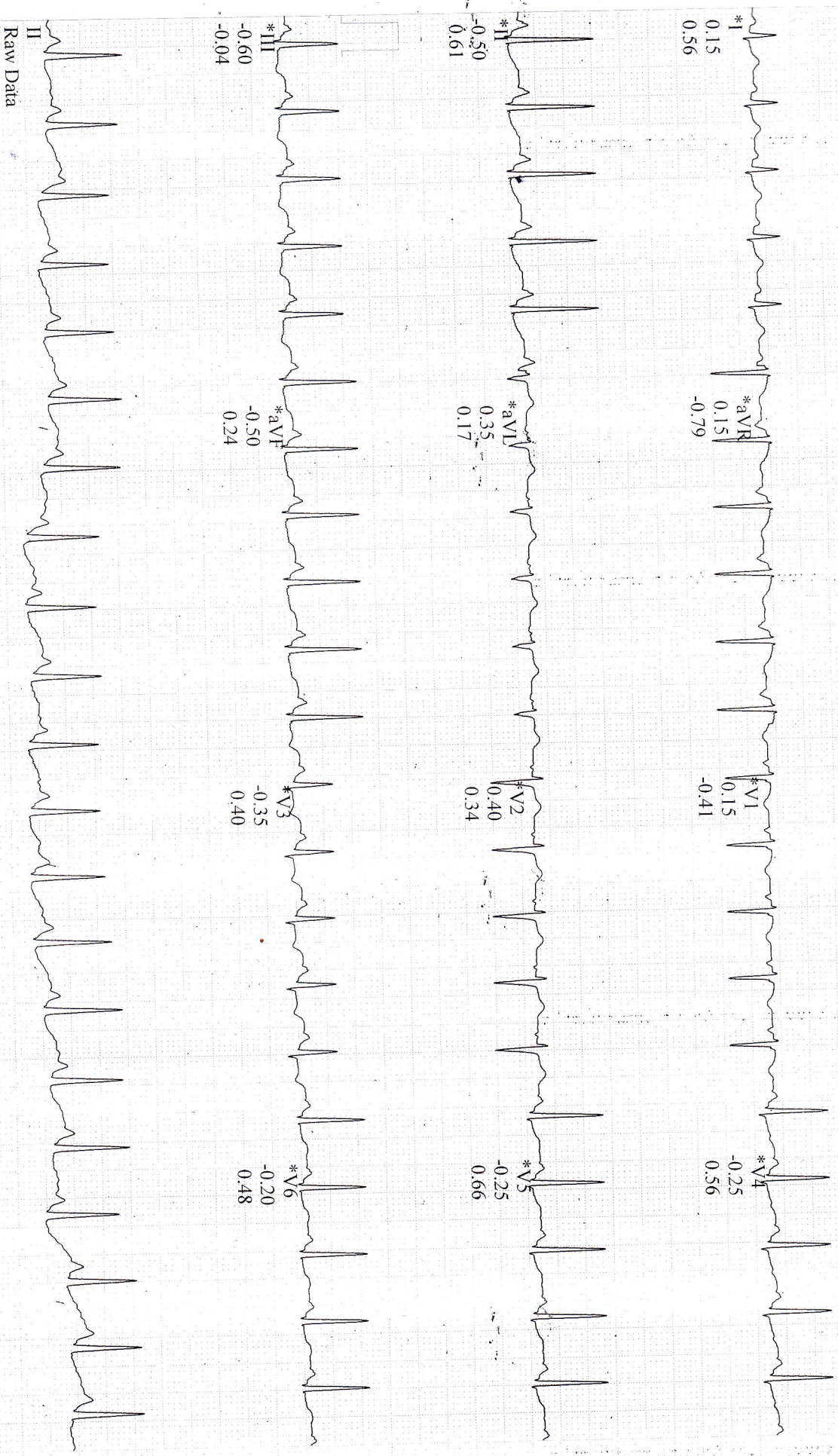
Patient ID: MED11170498  
06/27/2023 Female  
14:10:40 24 yrs Indian

126 bpm

Exercise Test / Linked Medians  
RECOVERY #1  
00:50

BRUCE  
0.0 km/h  
0.0 %

MEDALL HEALTHCARE PVT LTD  
Lead  
ST Level (mm)  
ST Slope (mV/s)



GE CardioSoft V7.0 (10)  
25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF- HR(Q1.V5)

Start of Test: 13:57:20

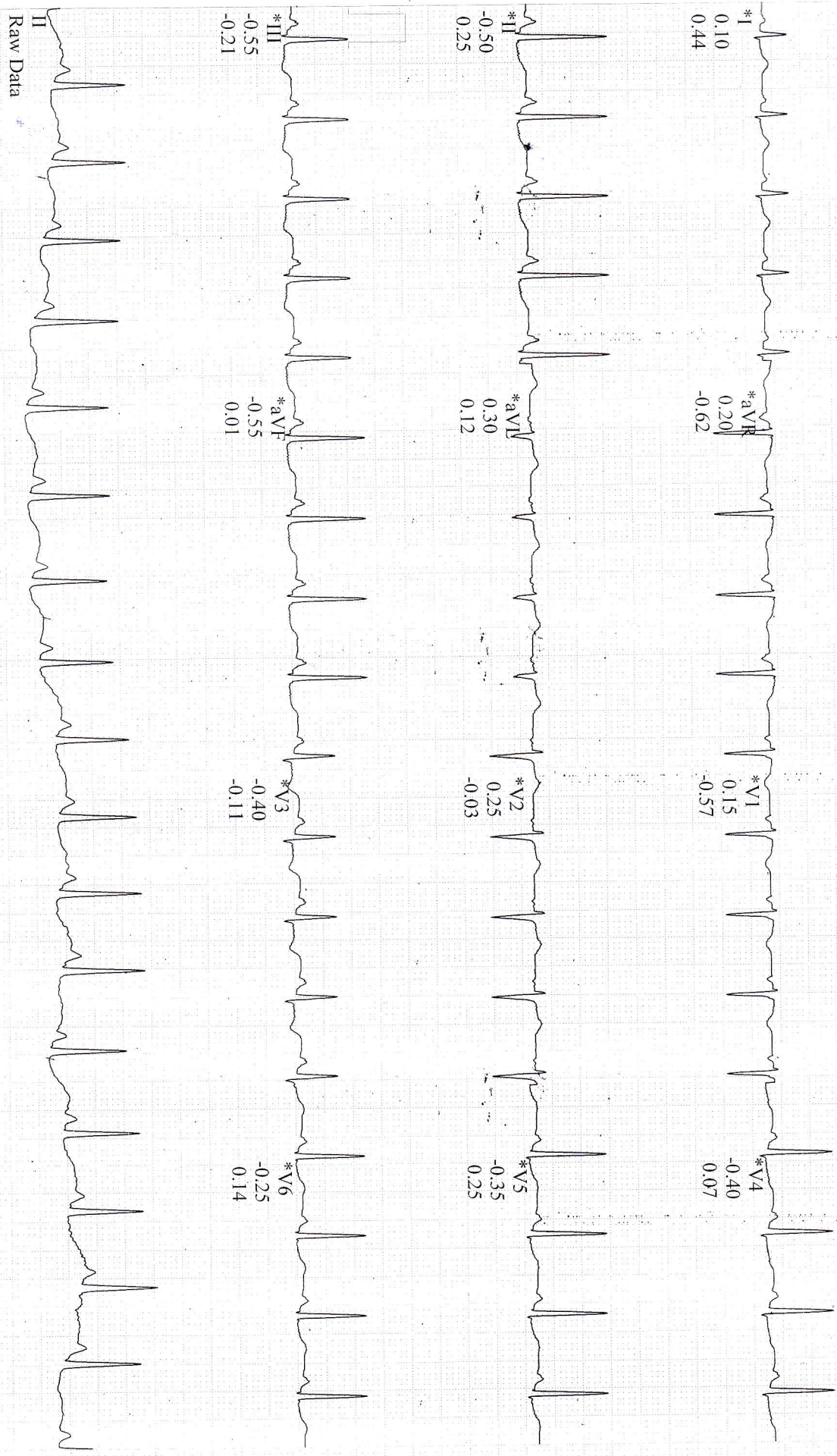
PATIENT ID: MED111170498  
 06/27/2023 Female  
 14:11:40 24 yrs Indian

107 bpm

Exercise Test / Linked Medians  
 RECOVERY #1  
 01:50

BRUCE  
 0.0 km/h  
 0.0 %

MEDALL HEALTHCARE PVT LTD  
 Lead  
 ST Level (mm)  
 ST Slope (mV/s)



\*Computer Synthesized Rhythms

GE CardioSoft V7.0(10)  
 25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz FRF - HR(Q1,V5)

Start of Test: 13:57:20

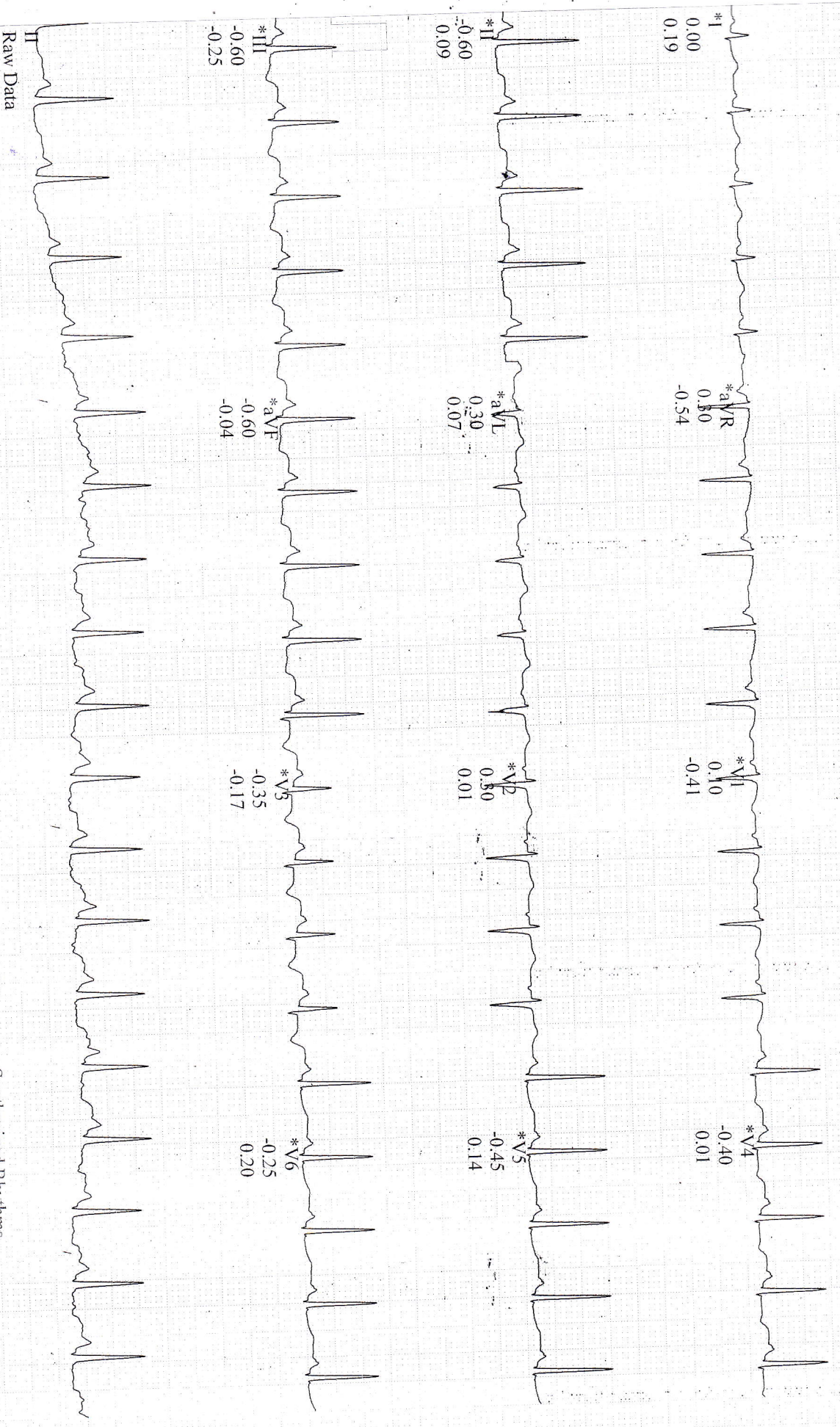
Patient ID: MED11170498  
06/27/2023 Female  
14:12:40 24 yrs Indian

112 bpm  
140/90 mmHg

Exercise Test / Linked Medians  
RECOVERY #1  
02:50

BRUCE  
0.0 km/h  
0.0 %

MEDALL HEALTHCARE PVI LTD  
Lead  
ST Level (mm)  
ST Slope (mV/s)



GE CardioSoft V7.0 (10)  
25 mm/s 10 mm/mV 50 Hz 0.05 - 20 Hz PRF- HR(Q1,V5)

Start of Test: 13:57:20



Name : Mrs. AKULA UMA

PID No. : MED111704986

Register On : 27/06/2023 11:33 AM

SID No. : 80286258

Collection On : 27/06/2023 12:45 PM

Age / Sex : 24 Year(s) / Female

Report On : 27/06/2023 3:38 PM

Type : OP

Printed On : 29/06/2023 6:16 PM

Ref. Dr : MediWheel

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
BLOOD GROUPING AND Rh TYPING (Blood/Agglutination)	'O' 'Positive'		
<b><u>Complete Blood Count With - ESR</u></b>			
Haemoglobin (Blood/Spectrophotometry)	12.6	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (Blood/Numeric Integration of MCV)	<b>36.9</b>	%	37 - 47
RBC Count (Blood/Electrical Impedance )	4.47	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (Blood/Calculated)	82.5	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (Blood/Calculated)	28.2	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (Blood/Calculated)	34.2	g/dL	32 - 36
RDW-CV (Calculated)	15.9	%	11.5 - 16.0
RDW-SD (Calculated)	45.91	fL	39 - 46
Total Leukocyte Count (TC) (Blood/Electrical Impedance )	7990	cells/cu.m m	4000 - 11000
Neutrophils (Blood/Impedance and absorbance)	56.09	%	40 - 75
Lymphocytes (Blood/Impedance and absorbance)	31.45	%	20 - 45
Eosinophils (Blood/Impedance and absorbance)	5.87	%	01 - 06



VERIFIED BY



APPROVED BY

The results pertain to sample tested.

Page 1 of 8

Lab Address: MEDALL HEALTH CARE PVT LTD,#17-11-3/4,DR.GKS MANSION,OFFICIAL COLONY,MAHARANI PETA, VIZAG 530002,.

Name : Mrs. AKULA UMA

PID No. : MED111704986

Register On : 27/06/2023 11:33 AM

SID No. : 80286258

Collection On : 27/06/2023 12:45 PM

Age / Sex : 24 Year(s) / Female


Report On : 27/06/2023 3:38 PM

Type : OP

Printed On : 29/06/2023 6:16 PM

Ref. Dr : MediWheel

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Monocytes (Blood/Impedance and absorbance)	6.30	%	01 - 10
Basophils (Blood/Impedance and absorbance)	0.28	%	00 - 02
<b>INTERPRETATION:</b> Tests done on Automated Five Part cell counter. All abnormal results are reviewed and confirmed microscopically.			
Absolute Neutrophil count (Blood/Impedance and absorbance)	4.48	10 <sup>3</sup> / µl	1.5 - 6.6
Absolute Lymphocyte Count (Blood/Impedance)	2.51	10 <sup>3</sup> / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (Blood/Impedance)	<b>0.47</b>	10 <sup>3</sup> / µl	0.04 - 0.44
Absolute Monocyte Count (Blood/Impedance)	0.50	10 <sup>3</sup> / µl	< 1.0
Absolute Basophil count (Blood/Impedance)	0.02	10 <sup>3</sup> / µl	< 0.2
Platelet Count (Blood/Impedance)	3.3	lakh/cu.m m	1.4 - 4.5
<b>INTERPRETATION:</b> Platelet count less than 1.5 lakhs will be confirmed microscopically.			
MPV (Blood/Derived from Impedance)	8.28	fL	8.0 - 13.3
PCT (Calculated)	0.27	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Blood/Automated ESR analyser)	08	mm/hr	< 20
BUN / Creatinine Ratio	7.7		
Glucose Fasting (FBS) (Plasma - F/Glucose oxidase/Peroxidase)	83	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125 Diabetic: >= 126

  
CHINTHA SHIVAJI  
Lab Manager

VERIFIED BY



  
Dr K. NEEHARIKA  
MD PATHOLOGY  
Reg No : 96545

APPROVED BY

The results pertain to sample tested.

Page 2 of 8

Lab Address: MEDALL HEALTH CARE PVT LTD,#17-11-3/4,DR.GKS MANSION,OFFICIAL COLONY,MAHARANI PETA, VIZAG 530002,.

**Name** : Mrs. AKULA UMA  
**PID No.** : MED111704986 **Register On** : 27/06/2023 11:33 AM  
**SID No.** : 80286258 **Collection On** : 27/06/2023 12:45 PM  
**Age / Sex** : 24 Year(s)/ Female **Report On** : 27/06/2023 3:38 PM  
**Type** : OP **Printed On** : 29/06/2023 6:16 PM  
**Ref. Dr** : MediWheel

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
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**INTERPRETATION:** Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level.

Glucose, Fasting (Urine) (Urine - F)	Negative		Negative
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Glucose Postprandial (PPBS) (Plasma - PP/GOD - POD)	76	mg/dL	70 - 140
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**INTERPRETATION:**

Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level. Fasting blood glucose level may be higher than Postprandial glucose, because of physiological surge in Postprandial Insulin secretion, Insulin resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti- diabetic medication during treatment for Diabetes.

Urine Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
---	----------	--	----------

Blood Urea Nitrogen (BUN) (Serum/Calculated)	7.0	mg/dL	7.0 - 21
---	-----	-------	----------

Creatinine (Serum/Jaffe - Alkaline Picrate)	0.8	mg/dL	0.6 - 1.1
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Uric Acid (Serum/Uricase/Peroxidase)	2.8	mg/dL	2.6 - 6.0
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**Liver Function Test**

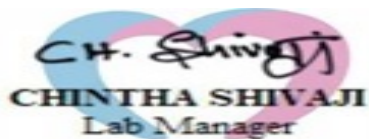
Bilirubin(Total) (Serum/Diazotized Sulphanilic acid)	0.6	mg/dL	0.1 - 1.2
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Bilirubin(Direct) (Serum/Diazotized Sulphanilic acid )	0.2	mg/dL	0.0 - 0.3
---	-----	-------	-----------

Bilirubin(Indirect) (Serum/Calculated)	0.40	mg/dL	0.1 - 1.0
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SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC without P-5-P)	10	U/L	5 - 40
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SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC without P-5-P)	14	U/L	5 - 41
---	----	-----	--------



VERIFIED BY



APPROVED BY

The results pertain to sample tested.

Page 3 of 8

Lab Address: MEDALL HEALTH CARE PVT LTD,#17-11-3/4,DR.GKS MANSION,OFFICIAL COLONY,MAHARANI PETA, VIZAG 530002,.

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PID No. : MED111704986

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Report On : 27/06/2023 3:38 PM

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Printed On : 29/06/2023 6:16 PM

Ref. Dr : MediWheel

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Alkaline Phosphatase (SAP) (Serum/IFCC AMP Buffer)	126	U/L	42 - 98
Total Protein (Serum/Biuret)	7.9	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.6	gm/dl	3.5 - 5.2
Globulin (Serum/Calculated)	3.30	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Calculated)	1.39		1.1 - 2.2

**INTERPRETATION:**Enclosure : Graph

GGT(Gamma Glutamyl Transpeptidase)  
(Serum/IFCC / Kinetic)

13

U/L

< 38

**Lipid Profile**

Cholesterol Total  
(Serum/Cholesterol oxidase/Peroxidase)

116

mg/dL

Optimal: < 200  
Borderline: 200 - 239  
High Risk: >= 240

Triglycerides  
(Serum/Glycerol-phosphate oxidase/Peroxidase)

55

mg/dL

Optimal: < 150  
Borderline: 150 - 199  
High: 200 - 499  
Very High: >= 500

**INTERPRETATION:**The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence recommending triglycerides estimation in non-fasting condition for evaluating the risk of heart disease and screening for metabolic syndrome, as non-fasting sample is more representative of the `usual\_ circulating level of triglycerides during most part of the day.

HDL Cholesterol  
(Serum/Immunoinhibition)

55

mg/dL

Optimal(Negative Risk Factor): >= 60  
Borderline: 50 - 59  
High Risk: < 50

  
CHINTHA SHIVAJI  
Lab Manager

VERIFIED BY



  
Dr K. NEEHARIKA  
MD PATHOLOGY  
Reg No : 96545

APPROVED BY

The results pertain to sample tested.

Page 4 of 8

Lab Address: MEDALL HEALTH CARE PVT LTD,#17-11-3/4,DR.GKS MANSION,OFFICIAL COLONY,MAHARANI PETA, VIZAG 530002,.


**Name** : Mrs. AKULA UMA  
**PID No.** : MED111704986      **Register On** : 27/06/2023 11:33 AM  
**SID No.** : 80286258      **Collection On** : 27/06/2023 12:45 PM  
**Age / Sex** : 24 Year(s) / Female      **Report On** : 27/06/2023 3:38 PM  
**Type** : OP      **Printed On** : 29/06/2023 6:16 PM  
**Ref. Dr** : MediWheel

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
LDL Cholesterol (Serum/Calculated)	50	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	11	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	61.0	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220

**INTERPRETATION:** 1.Non-HDL Cholesterol is now proven to be a better cardiovascular risk marker than LDL Cholesterol.  
 2.It is the sum of all potentially atherogenic proteins including LDL, IDL, VLDL and chylomicrons and it is the "new bad cholesterol" and is a co-primary target for cholesterol lowering therapy.

Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	2.1		Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	1		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	0.9		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0

**Glycosylated Haemoglobin (HbA1c)**

  
**CHINTHA SHIVAJI**  
 Lab Manager

VERIFIED BY



  
**Dr K. NEEHARIKA**  
 MD PATHOLOGY  
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<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
HbA1C (Whole Blood/HPLC-Ion exchange)	5.2	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5

**INTERPRETATION:** If Diabetes - Good control : 6.1 - 7.0 % , Fair control : 7.1 - 8.0 % , Poor control >= 8.1 %

Mean Blood Glucose (Whole Blood)	102.54	mg/dl
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**INTERPRETATION: Comments**

HbA1c provides an index of Average Blood Glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency, hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbA1C values.

Conditions that shorten RBC survival like acute or chronic blood loss, hemolytic anemia, Hemoglobinopathies, Splenomegaly, Vitamin E ingestion, Pregnancy, End stage Renal disease can cause falsely low HbA1c.

**THYROID PROFILE / TFT**

T3 (Triiodothyronine) - Total (Serum/Chemiluminescent Immunometric Assay (CLIA))	1.12	ng/ml	0.7 - 2.04
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**INTERPRETATION:**

**Comment :**

Total T3 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T3 is recommended as it is Metabolically active.

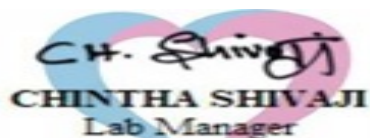
T4 (Thyroxine) - Total (Serum/Chemiluminescent Immunometric Assay (CLIA))	10.13	µg/dl	4.2 - 12.0
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**INTERPRETATION:**

**Comment :**

Total T4 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T4 is recommended as it is Metabolically active.

TSH (Thyroid Stimulating Hormone) (Serum/Chemiluminescence)	3.33	µIU/mL	0.35 - 5.50
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VERIFIED BY



APPROVED BY

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<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
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**INTERPRETATION:**

Reference range for cord blood - upto 20

1 st trimester: 0.1-2.5

2 nd trimester 0.2-3.0

3 rd trimester : 0.3-3.0

(Indian Thyroid Society Guidelines)

**Comment :**

1.TSH reference range during pregnancy depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and BMI.

2.TSH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10PM.The variation can be of the order of 50%,hence time of the day has influence on the measured serum TSH concentrations.

3.Values&amplt;0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

**Urine Analysis - Routine**

Others (Urine/Microscopy)	Nil
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**INTERPRETATION:**Note: Done with Automated Urine Analyser & microscopy

**Physical Examination(Urine Routine)**

Colour (Urine/Physical examination)	Pale yellow	Yellow to Amber
Appearance (Urine/Physical examination)	clear	Clear

**Chemical Examination(Urine Routine)**

Protein (Urine/Dipstick-Error of indicator/ Sulphosalicylic acid method )	Negative	Negative
Glucose (Urine/Dip Stick Method / Glucose Oxidase - Peroxidase / Benedict's semi quantitative method.)	Negative	Negative

**Microscopic Examination(Urine Routine)**



CH. Shivaji  
CHINTHA SHIVAJI  
Lab Manager

VERIFIED BY




K.Neeharika  
Dr K. NEEHARIKA  
MD PATHOLOGY  
Reg No : 96545

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<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Pus Cells (Urine/Microscopy exam of urine sediment)	4-6	/hpf	0 - 5
Epithelial Cells (Urine/Microscopy exam of urine sediment)	<b>10-12</b>	/hpf	NIL
RBCs (Urine/Microscopy exam of urine sediment)	1-2	/hpf	0 - 5



VERIFIED BY



APPROVED BY

-- End of Report --



Name	Mrs. AKULA UMA	Customer ID	MED111704986
Age & Gender	24Y/F	Visit Date	Jun 27 2023 11:32AM
Ref Doctor	MediWheel		

**ULTRASOUND WHOLE ABDOMEN**

Liver : Normal in size (13.3 cm) with regular outlines and normal echopattern.  
There is no evidence of IHBR / EHBR dilatation seen.  
No focal space occupying lesions seen.  
CBD is normal. PV normal.

Gall Bladder : Normal in volume and wall thickness.  
No e/o intraluminal calculi seen.

Pancreas : Head, body and tail are identified with normal echopattern and smooth outlines.

Spleen : Measured 9.1 cm, in size with normal echotexture.

Right kidney : Measured 8.7 x 3.7 cm in size.

Left kidney : Measured 9.3 x 4.3 cm in size.  
Both kidneys are normal in size, position, with well preserved cortico medullary differentiation and normal pelvicalyceal anatomy.  
No e/o calculi / space occupying lesion seen.  
No e/o suprarenal / retroperitoneal masses noted.

Urinary bladder : Normal in volume and wall thickness.  
No e/o intraluminal calculi / masses seen.

Uterus : Measured 7.6 x 4.3 x 4.9 cm in size with normal myometrial and endometrial echotexture. Endometrial echo measured 8 mm.

Right ovary : Measured 2.1 x 1.7 cm in size.  
Left ovary : Measured 2.2 x 1.5 cm in size.  
Both ovaries are normal in size and appearance.

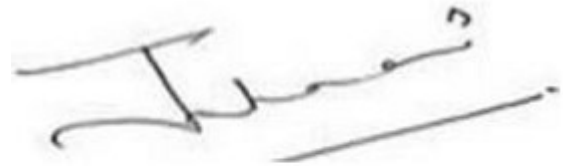
No e/o ascites / pleural effusion seen.  
No e/o detectable bowel pathology seen.

**IMPRESSION :**

Name	Mrs. AKULA UMA	Customer ID	MED111704986
Age & Gender	24Y/F	Visit Date	Jun 27 2023 11:32AM
Ref Doctor	MediWheel		

- **Essentially normal study.**

*- For clinical correlation.*



**Dr. Jahnavi Barla, MD (RD)**

**Consultant Radiologist**

Name	Mrs. AKULA UMA	Customer ID	MED111704986
Age & Gender	24Y/F	Visit Date	Jun 27 2023 11:32AM
Ref Doctor	MediWheel		

### **RADIOGRAPH CHEST P.A. VIEW**

The Cardiac size and configuration are normal.

The Aorta and Pulmonary Vasculature are normal.

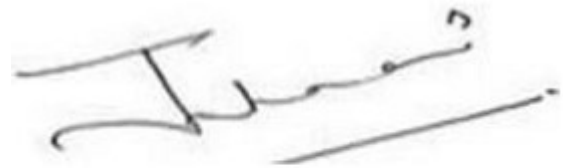
Both the lungs are clear.

Both Costophrenic angles are normal.

The soft tissues and bones of thorax are normal.

#### **IMPRESSION :**

- **Essentially normal study.**
- *For clinical correlation.*



**Dr. Jahnavi Barla, MD (RD)**

**Consultant Radiologist**