

Patient Name : **MR. VINOTH R**  
Patient ID : 47851  
Age / Sex : 35 years / Male  
Referred by : MEDIWHEEL  
Bill ID : 77798

Collected : Mar 11, 2023, 10:20 a.m.  
Reported : Mar 11, 2023, 02:08 p.m.  
Sample ID :



Test Description	Results	Units	Biological Reference Range
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**ULTRASENSITIVE THYROID STIMULATING HORMONE (TSH)**

Sample Type : Serum

<b>Ultrasensitive Thyroid Stimulative Hormone (TSH)</b> [ CLIA ]	3.18	$\mu$ IU/mL	0.3 - 4.5 1st trimester - 0.1 - 2.5 $\mu$ IU/mL 2nd trimester - 0.2 - 3 $\mu$ IU/mL 3rd trimester - 0.3 - 3 $\mu$ IU/mL
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**Clinical Significance :-**

1. Serum TSH concentrations exhibit a diurnal variation with the peak occurring during the night.
2. Useful for: Screening for thyroid dysfunction and detecting mild (subclinical), as well as overt, primary hypo- or hyperthyroidism in ambulatory patients.
3. Monitoring patients on thyroid replacement therapy.
4. Confirmation of thyroid-stimulating hormone (TSH) suppression in thyroid cancer patients on thyroxine suppression therapy.
5. Prediction of thyrotropin-releasing hormone-stimulated TSH response.

**\*\*END OF REPORT\*\***



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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Test Description	Results	Units	Biological Reference Range
<b><u>FASTING BLOOD SUGAR</u></b>			
Sample Type : Flouride R			
Fasting Blood Sugar [ GOD - POD ]	89.1	mg/dl	Normal : 70 - 99 mg/dl impaired Tolerance : 100 - 125mg/dl Diabetes Mellitus : >126 mg/dl
Technique :-	Fully Automated Biochemistry Analyser ERBA EM-200		

\*\*\*END OF REPORT\*\*\*



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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Test Description	Results	Units	Biological Reference Range
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**POST PRANDIAL BLOOD SUGAR**

Sample Type : Flouride PP

Post Prandial Blood Sugar [ GOD - POD ]	119.1	mg/dl	110-180
--	-------	-------	---------

Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

**\*\*END OF REPORT\*\***

**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

Patient Name : **MR. VINOTH R**  
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Test Description	Results	Units	Biological Reference Range
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**BLOOD GROUP**

Sample Type : EDTA / Whole Blood

ABO Grouping

"O"

Rh Grouping

POSITIVE

**Note:**

These report is for information purpose only. Blood group needs to be reconfirmed at the time of cross matching for blood transfusion.

**\*\*END OF REPORT\*\***

**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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Test Description	Results	Units	Biological Reference Range
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**LIPID PROFILE**

Sample Type : Serum

TOTAL CHOLESTEROL [ CHOD-PAP ]	199	mg/dL	Desirable : <200 mg/dl Borderline : 200 - 239mg/dl High : >240 mg/dl
TRIGLYCERIDES [ Glycerol Phosphate Oxidase ]	75	mg/dL	Desirable : <150 mg/dl Borderline : 150 - 199mg/dl High : >200mg/dl
HDL CHOLESTEROL [ Direct ]	50.9	mg/dL	Desirable : >40 mg/dl Borderline Risk : 35 mg/dl High Risk : <30 mg/dl
LDL CHOLESTEROL [ Calculated ]	<b>133.10</b>	mg/dL	Desirable : <100 mg/dl Borderline : 130 - 160mg/dl High : >160mg/dl
VLDL Cholesterol [ Calculated ]	15	mg/dL	Desirable : <26 mg/dl Borderline : >30 mg/dl
Total Chol / HDL Chol Ratio [ Calculated ]	3.91	mg/dL	Desirable : <5 %
LDL / HDL Ratio [ Calculated ]	2.61		1.00 - 3.55
NON-HDL CHOLESTEROL [ Calculated ]	<b>148.10</b>	mg/dL	Desirable : <130 mg/dl Borderline : 160 - 189 mg/dl High : >220 mg/dl

**Technique:** Fully Automated Biochemistry Analyser ERBA EM-200.

\*\*END OF REPORT\*\*



**Dr. Sudhamani S. MD**  
 Consultant Pathologist  
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Test Description	Results	Units	Biological Reference Range
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### URINE ANALYSE REPORT

Sample Type : Urine

#### PHYSICAL EXAMINATION

COLOUR	Pale Yellow		
APPEARANCE	Clear		
REACTION (PH)	6.0		4.8 - 7.6
SPECIFIC GRAVITY	1.020		1.010 - 1.030
ALBUMIN	Absent		
GLUCOSE	Absent		
BLOOD (U)	Absent		
BILE PIGMENTS	Negative		
BILE SALTS	Absent		
KETONE	Negative		
LEUKOCYTES	Absent		
NITRITE	Absent		
UROBILINOGEN	Negative		

#### MICROSCOPY

PUS CELLS/hpf	1-2		
RBCs/hpf	Absent		
EPI.CELLS/hpf	1-2		
CASTS	Absent		
CRYSTALS	Absent		
BACTERIA	Absent		
Other	Absent		

\*\*END OF REPORT\*\*



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
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Sample ID :



Test Description	Results	Units	Biological Reference Range
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**LIVER FUNCTION TEST**

Sample Type : Serum

TOTAL BILIRUBIN [ DIAZO ]	<b>1.59</b>	mg/dl	0.3-1.3 mg/dl
BILIRUBIN-DIRECT [ DIAZO ]	<b>0.58</b>	mg/dl	0.1-0.4 mg/dl
BILLIRUBIN-INDIRECT [ CALCULATED ]	<b>1.01</b>	mg/dl	0.1-0.9 mg/dl
S.G.O.T. (AST) [ IFCC without Pyridoxal Phosphate ]	27.3	IU/L	5-40 IU/L
S.G.P.T.(ALT) [ IFCC without Pyridoxal Phosphate ]	28.7	IU/L	5-40 IU/L
ALKALINE PHOSPHATASE [ Amino Methyl Propanol (AMP) ]	56	IU/L	44-147 IU/L
TOTAL PROTEINS [ BIURET ]	6.78	IU/L	6.0 - 8.5g/dL
ALBUMIN [ BROMO CRESOL GREEN (BCG) ]	4.06	g/dl	3.5-5.0 g/dl
GLOBULIN [ CALCULATED ]	2.72	gm%	2.3-3.5 gm%
ALBUMIN/GLOBULIN RATIO [ CALCULATED ]	1.49		
GAMMA GT	15.20	U/L	0 - 45

Technique : Fully Automated Biochemistry Analyser ERBA EM-200

**\*\*END OF REPORT\*\***

**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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Test Description	Results	Units	Biological Reference Range
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**SR. URIC ACID**

Sample Type : Serum

<b>Uric Acid</b> [ Uricase - POD ]	<b>7.8</b>	mg/dl	3.6 - 7.7
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Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200.

**\*\*END OF REPORT\*\***



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461



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Sample ID :



Test Description	Results	Units	Biological Reference Range
------------------	---------	-------	----------------------------

**CREATININE**

Sample Type : Serum

**Creatinine**

1.13

mg/dl

0.40 - 1.40

[ Enzymatic ]

Formula

Technique :-

Done On Fully Automated Biochemistry Analyser ERBA EM-200

\*\*END OF REPORT\*\*



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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Test Description	Results	Units	Biological Reference Range
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**BLOOD UREA LEVEL ( BUL )**

Sample Type : Serum

<b>Urea</b>	28	mg/dl	10 - 40
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[ Urease - GLDH ]

<b>Bun</b>	13.08	mg/dl	6 - 21
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[ Calculated ]

Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

\*\*END OF REPORT\*\*



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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Test Description	Results	Units	Biological Reference Range
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**COMPLETE BLOOD COUNT**

Sample Type : EDTA / Whole Blood

Hemoglobin	14.8	g/dl	13.0 - 17.0
RBC COUNT	5.2	Millions/c	4.5 - 5.5
PCV(Hematocrit)	45.3	%	40.0 - 50.0
Mean Cell Volume(MCV)	87.2	fl	80.0 - 100.0
Mean Cell Hemoglobin(MCH)	28.5	pg	27.0 - 33.0
Mean Cell Hb Conc(MCHC)	32.7	g/dl	32 - 36
RDW	13.3	%	11.50 - 14.50
Total Leucocytes (WBC) Count	6560	/cumm	4000-11000

**DIFFERENTIAL COUNT**

Neutrophils	55.2	%	40 - 70
Lymphocytes	36.8	%	20 - 50
Eosionphils	<b>0.7</b>	%	01 - 06
Monocytes	6.9	%	00 - 08
Basophils	0.4	%	00-01

**SMEAR STUDY**

RBC Morphology	Normocytic Normocromic.		
WBC Morphology	No E/o Toxic granules seen		
Platelets On Smear	Adequate on Smear		
Platelet Count	321000	/cumm	150000 - 450000
MPV	<b>10.1</b>	fL	6.5 - 10.0

**Comments :-**

**Method:-**

HB:-Colorimetric, Total WBC:-Impedance/Flow Cytometry, HCT, MCV, MCH, MCHC, RDW-CV:-Calculate, Diff. Count: Flow Cytometry / Manual Stained Smear Microscopy, RBC: Impedance, Platelets : Impedance Method.

**Technique :-**

Fully Automated 5 part Diff. Cell Counter .

All Test Results are subjected to stringent international External and Internal Quality Control Protocols

\*\*END OF REPORT\*\*



**Dr. Sudhamani S. MD**  
 Consultant Pathologist  
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Sample ID :



Test Description	Results	Units	Biological Reference Range
<b><u>ESR</u></b>			
Sample Type : EDTA / Whole Blood			
ESR	10	Mm/hr	0 - 15
Method	Westergren		

\*\*END OF REPORT\*\*



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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Sample ID :



Test Description	Results	Units	Biological Reference Range
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**TOTAL THYROXINE ( T4 )**

Sample Type : Serum

Total Thyroxine ( T4 ) [ CLIA ]	90.98	ng/ml	52 - 127
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**\*\*END OF REPORT\*\***

**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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Sample ID :



Test Description	Results	Units	Biological Reference Range
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**TOTAL TRIIODOTHYRONINE (T3)**

Sample Type : Serum

TotalTriiodothyronine (T3) [ CLIA ]	1.36	ng/dL	0.69 - 2.15
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\*\*END OF REPORT\*\*



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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Sample ID :



Test Description	Results	Units	Biological Reference Range
<b><u>GLYCOCYLATED HAEMOGLOBIN</u></b>			
Sample Type : EDTA / Whole Blood			
Glycocyalted Haemoglobin (HbA1c) [ Tosoh HPLC ]	5.3	%	<5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT
MEAN BLOOD GLUCOSE	<b>105.41</b>	mg/dL	116.89 - 154.2

\*\*END OF REPORT\*\*



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

11/03/2023

Vinoth Rathinavel

exult

	(R)	(L)
UA	G/G N/G	G/G N/G
Colour	R-G Color deficiency	
A/S	(N)	(N)
(F)	(N)	(N)

— / —  
cy

226 106 05 Vital Signs™





இந்திய தனிப்பட்ட அடையாள ஆணைய அமைப்பு

இந்திய அரசாங்கம்  
Unique Identification Authority of India  
Government of India

பதிவு அடையாளம் / Enrollment No 2043/50820/00758

To,  
வினோத் ரத்தினவேல்  
Vinoth Rathinavel  
S/O: Rathinavel  
13  
E.M.S. PETTAI  
TIRUPATTUR  
Tirupathur  
Tirupattur Tirupathur Vellore  
Tamil Nadu 635601  
9489661199

Ref: 286 / 26B / 122616 / 122753 / P



SE500681545ET



உங்கள் ஆதார் எண் / Your Aadhaar No. :

**7261 0389 6829**

ஆதார் - சாதாரண மனிதனின் அதிகாரம்



இந்திய அரசாங்கம்  
Government of India



வினோத் ரத்தினவேல்  
Vinoth Rathinavel  
தந்தை : ரத்தினவேல்  
பெருமாள்  
Father: Rathinavel Perumal  
பிறந்த நாள் / DOB : 24/07/1985  
ஆண்பால் / Male



**7261 0389 6829**

ஆதார் - சாதாரண மனிதனின் அதிகாரம்

Dr. Mahesh V. Padsalge  
MD. (Medicine)  
Consultant Physician  
Reg. No. 9111 (M.M.C)

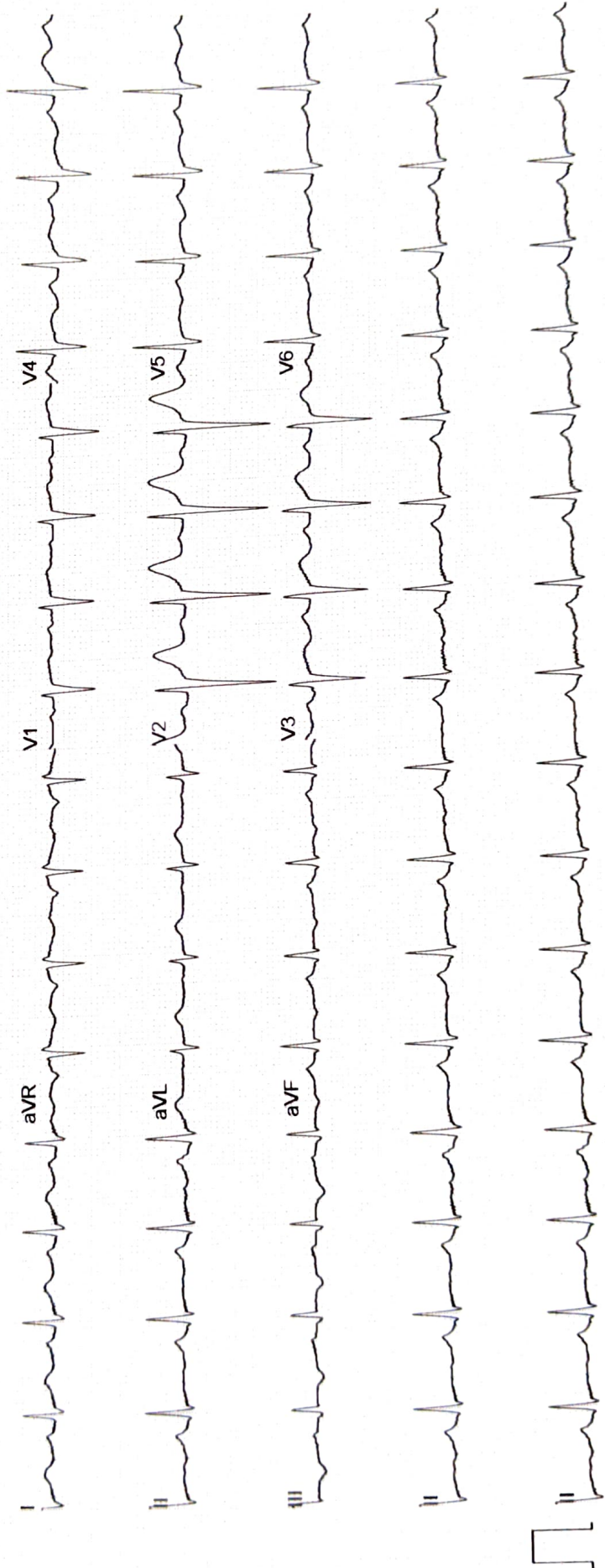
Male

QRS :  
QT / QTcBaz : 362 / 469 ms  
PR : 164 ms  
P : 110 ms  
RR / PP : 592 / 594 ms  
P / QRS / T : 52 / 59 / 6 degrees

Sinus tachycardia  
Nonspecific T wave abnormality  
Abnormal ECG

*Handwritten notes:*  
normal lead  
[Signature]

*Handwritten signature:*  
Dr. Mahesh V. Padsaige  
MD. (Medicine)  
Consultant Physician  
Reg. No. 91424 (MMC)





**DIABECARE - DIABETES & ENDOCRINE CLINIC**  
 OFFICE NO-03, PLOT NO-46&47, RAMKRISHNA CHS, OPP. GRAND CENTRAL MALL, SEAWOODS , NAVIMUMBAI -400706

**VINOTH RATHINAVEL**  
 ID : 19688  
 DATE : 11/03/2023  
 AGE/SEX : 37 /M  
 HT/WT : 163 / 68  
 REF. BY : MEDIWHEEL

**TREADMILL TEST REPORT**

PROTOCOL : Bruce  
 HISTORY :  
 INDICATION : FOR MEDIWHEEL PURPOSE,  
 MEDICATION :

PHASE	TOTAL TIME	STAGE TIME	SPEED Km/Hr	GRADE %	H.R. bpm	B.P. mmHg	RPP x100	ST LEVEL (MM)			METS
								II	V1	V5	
SUPINE											
HYPERVENT											
STANDING											
Stage 1	2:55	2:55	2.7	10	107	120 / 80	128	1	-0.2	0.9	4.67
Stage 2	5:55	2:55	4	12	102	120 / 80	122	0.9	-0.1	0.8	7.04
Stage 3	8:55	2:55	5.4	14	113	120 / 80	135	0.8	-0.1	0.6	9.92
Stage 4	11:55	2:55	6.7	16	113	130 / 80	156	1	-0.1	1	13.89
PK-EXERCISE	12:20	0:20	8	18	147	150 / 80	220	-0.6	0.4	0.6	13.89
RECOVERY	15:27	2:55			160	150 / 80	240	-0.5	0.9	0	14.67
RECOVERY	18:27	5:55			113	140 / 80	158	0.7	0	0.5	
RECOVERY	21:27	8:55			107	130 / 80	139	0.9	0	0.8	
RECOVERY					102	120 / 80	122	1.3	-0.2	0.9	

**RESULTS**

EXERCISE DURATION : 12:20  
 MAX HEART RATE : 160 bpm 87 % of target heart rate 183 bpm  
 MAX BLOOD PRESSURE : 150 / 80 mm Hg  
 REASON OF TERMINATION : Achieved THR,  
 BP RESPONSE : Normal,  
 ARRHYTHMIA : None,  
 H.R. RESPONSE : Normal Chronotropic Response,  
**IMPRESSIONS** :  
 Negative for Provocable myocardial ischemia,

MAX WORK LOAD : 14.67 METS



**Dr. Mahesh V. Padsalge**  
 MD. (Medicine)  
 Consultant Physician  
 Reg. No. 91424 (MMC)

Technician : **DR. MAHESH PADSALGE ( MD )**



# DIABECARE - DIABETES & ENDOCRINE CLINIC

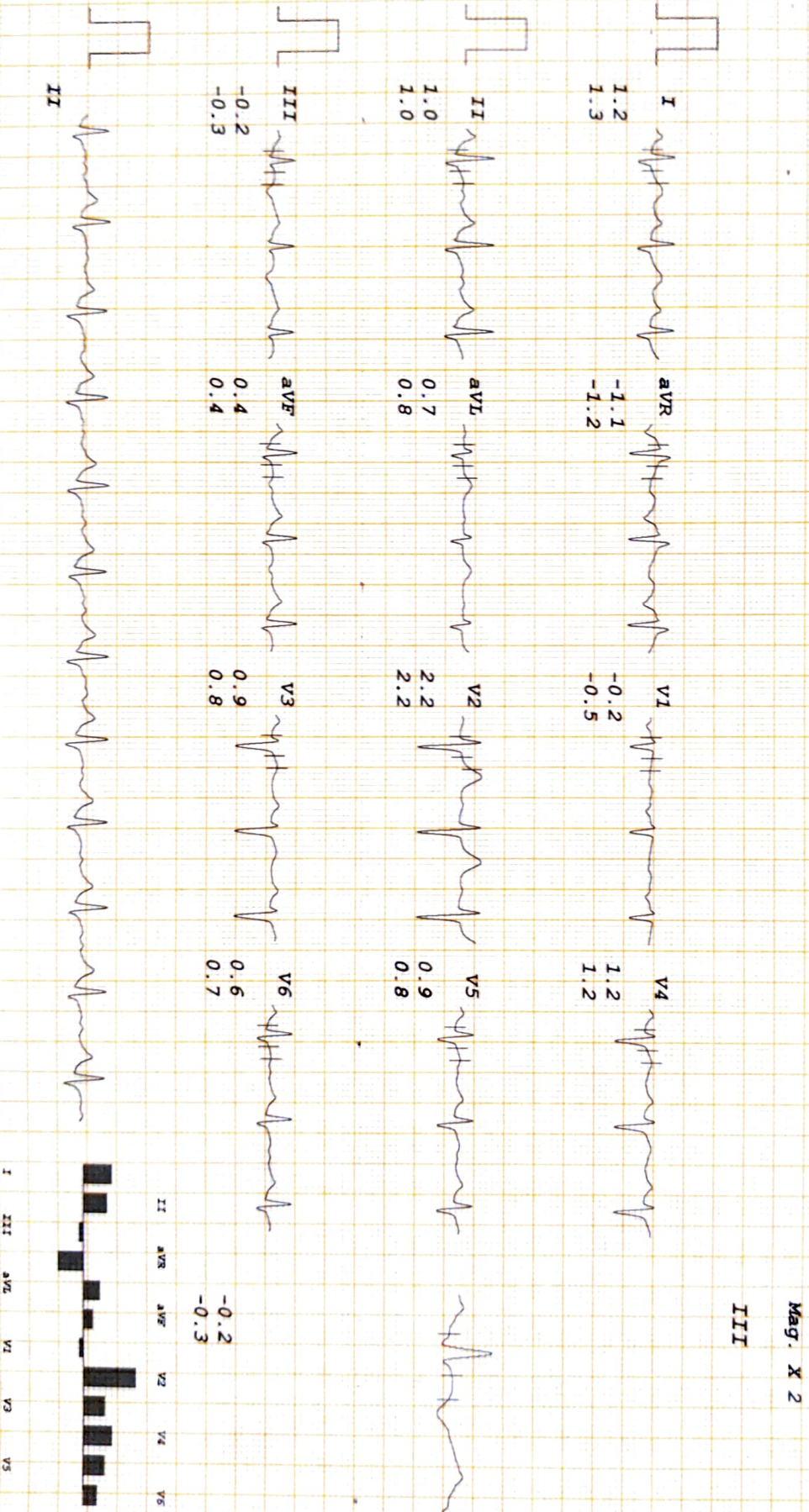
VINOTH RATHINAVEL  
I.D. 19688  
Age 37/M  
Date 11/03/2023

RATE 107bpm  
B.P. 120/80

PRETEST  
SUPINE

ST @ 10mm/mV  
80ms Post J

LINKED MEDIAN





# DIABECARE - DIABETES & ENDOCRINE CLINIC

VINOOTH RATHINAVEL  
 I. D. 19688  
 Age 37/M  
 Date 11/03/2023

RATE 102bpm  
 B.P. 120/80

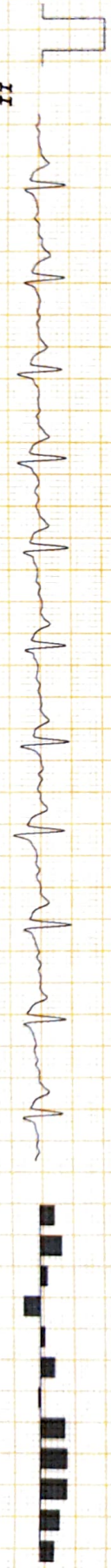
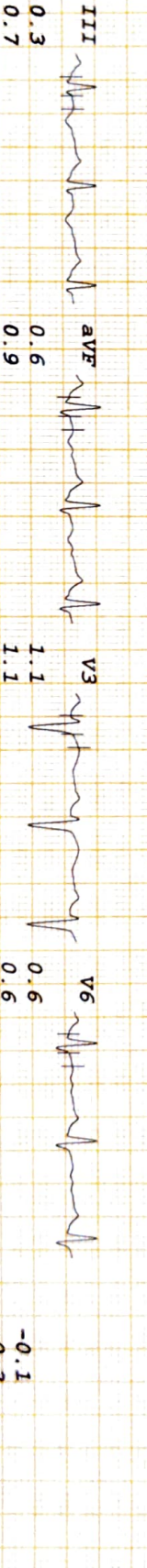
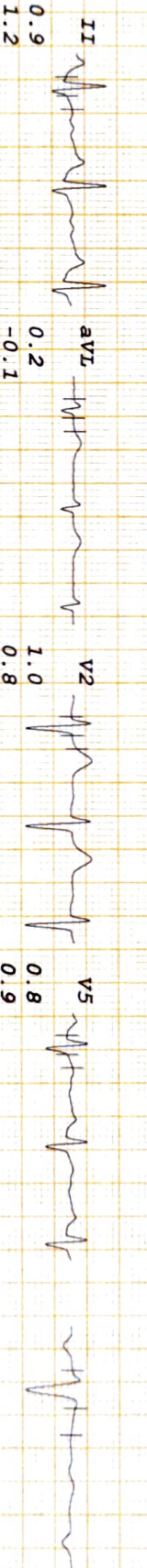
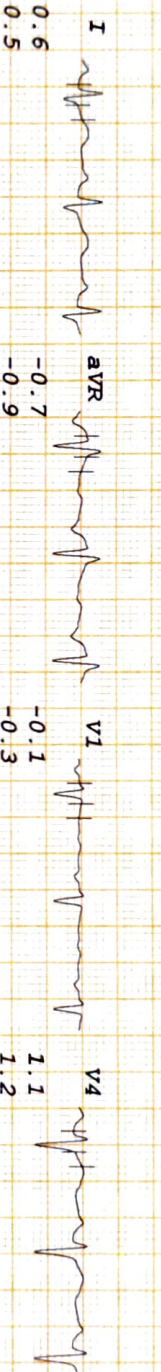
PRETEST  
 HYPERVENT  
 PHASE TIME 0:10

ST @ 10mm/mV  
 80ms PostJ

LINKED MEDIAN

Mag. X 2

V1



I III aVL aVF V1 V3 V5



# DIABECARE - DIABETES & ENDOCRINE CLINIC

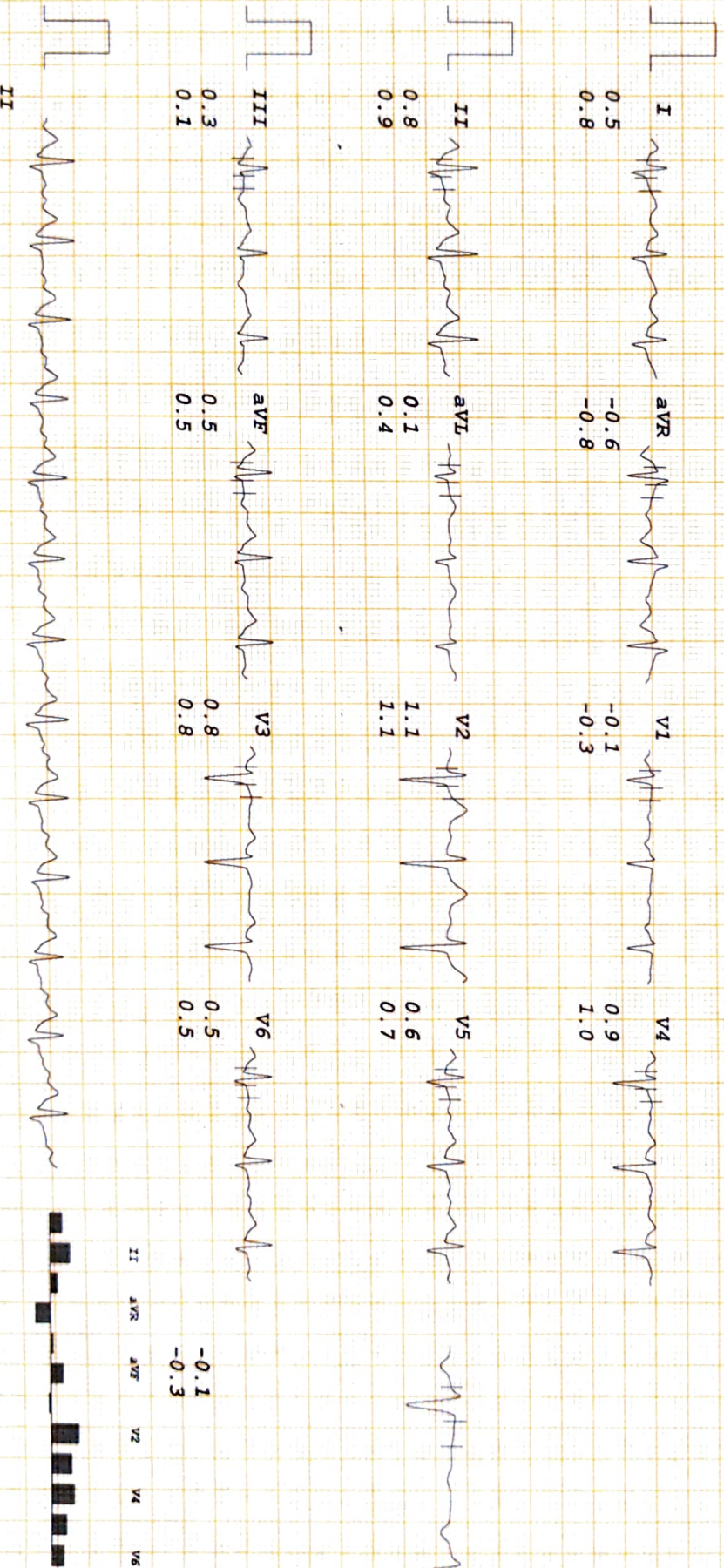
VINOTH RATHINAVEL  
 I.D. 19688  
 Age 37/M  
 Date 11/03/2023

RATE 113bpm  
 B.P. 120/80

PRETEST  
 STANDING

ST @ 10mm/mV  
 80ms PostJ

LINKED MEDIAN



Mag. X 2

V1

-0.1  
-0.3

II aVR aVF V2 V4 V6

I III aVL V1 V3 V5



# DIABECARE - DIABETES & ENDOCRINE CLINIC

VINOTH RATHINAVEL  
 I.D. 19688  
 Age 37/M  
 Date 11/03/2023

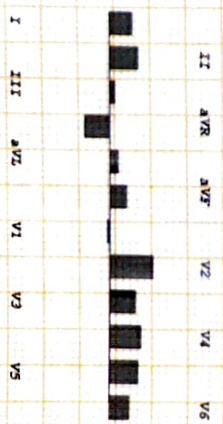
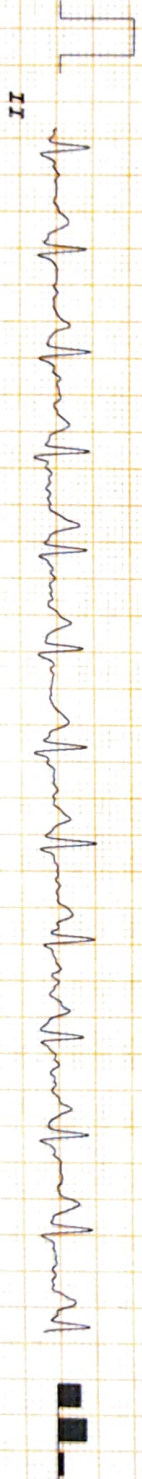
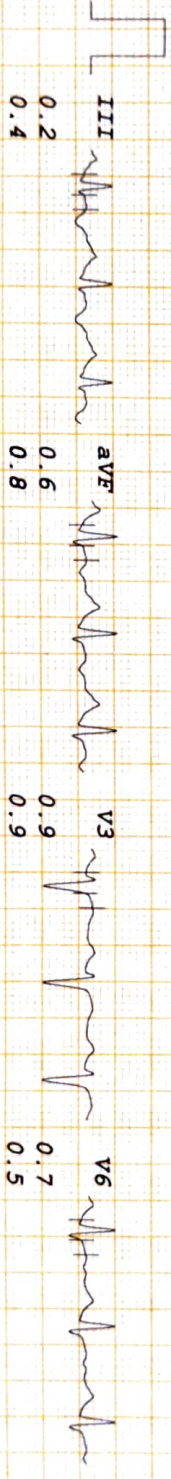
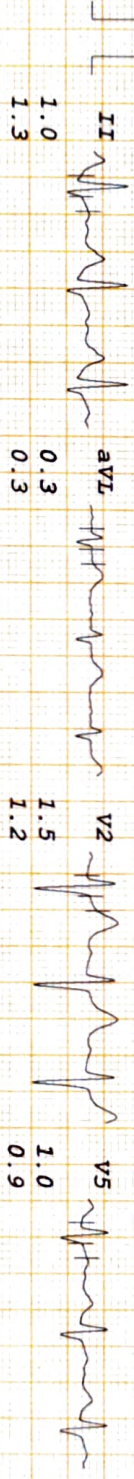
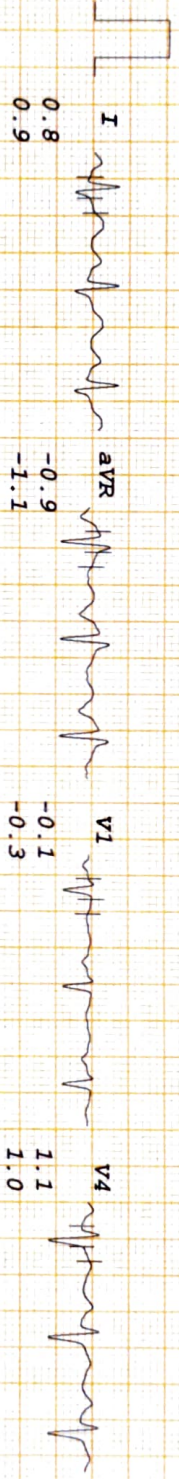
Rate 113bpm  
 B.P. 120/80  
 Bruce  
 Stage 1  
 TOTAL TIME 2:55  
 PHASE TIME 2:55

ST @ 10mm/mV  
 80ms PostJ  
 Speed 2.7 km/hr  
 SLOPE 10 %

LINKED MEDIAN

Mag. X 2

V1





# DIABECARE - DIABETES & ENDOCRINE CLINIC

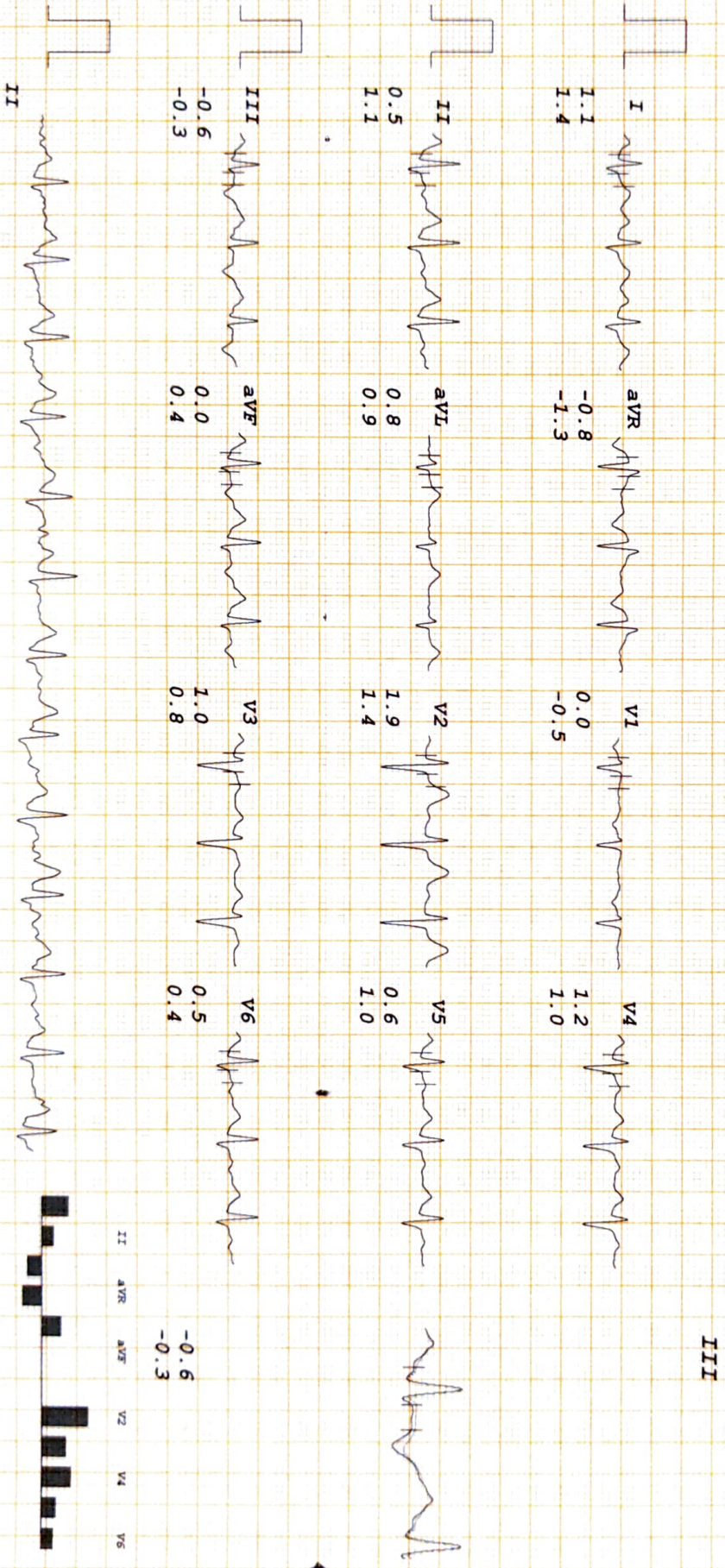
VINOTH RATHINAVEL  
 I.D. 19688  
 Age 37/M  
 Date 11/03/2023

BRUCE  
 Stage 2  
 RATE 120bpm  
 B.P. 130/80  
 TOTAL TIME 5:55  
 PHASE TIME 2:55

ST @ 10mm/mV  
 80ms Post-J  
 Speed 4 km/hr  
 SLOPE 12 g

LINKED MEDIAN

Mag. X 2









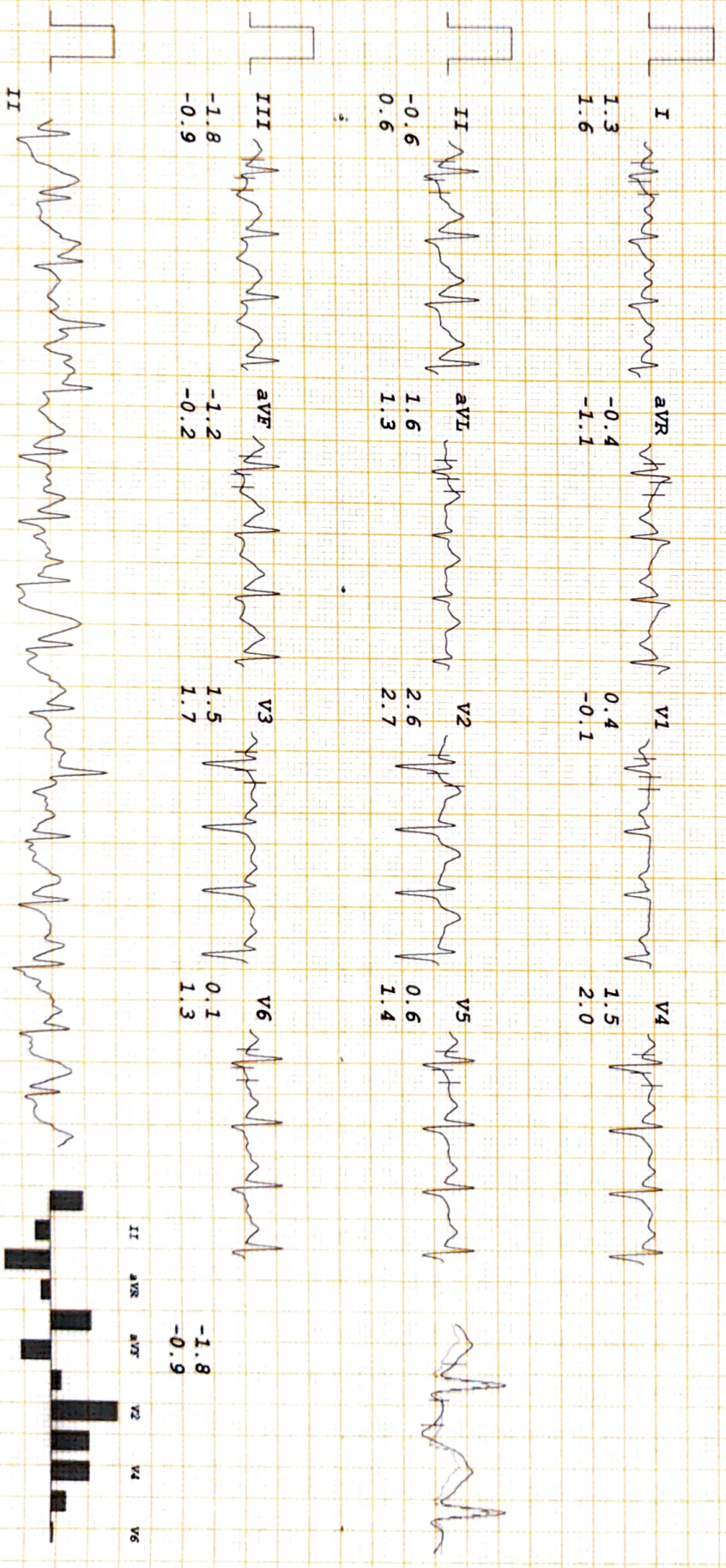
# DIABECARE - DIABETES & ENDOCRINE CLINIC

VINOTH RATHINAVEL  
 I.D. 19688  
 Age 37/M  
 Date 11/03/2023

BRUCE  
 Stage 4  
 TOTAL TIME 11:55  
 PHASE TIME 2:55

ST @ 10mm/mV  
 80ms PostJ  
 Speed 6.7 km/hr  
 SLOPE 16 8

LINKED MEDIAN





# DIABECARE - DIABETES & ENDOCRINE CLINIC

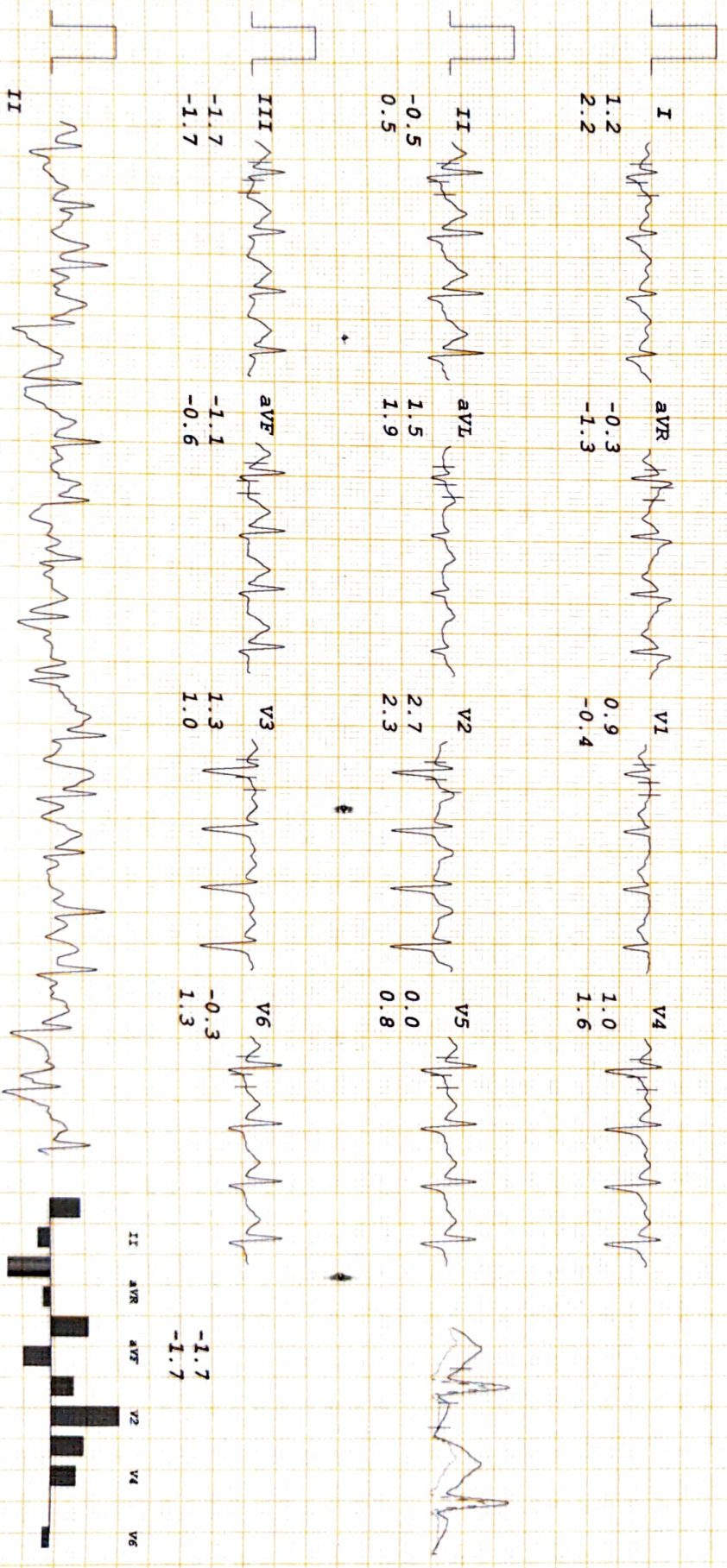
VINOTH RATHINAVEL  
 I.D. 19688  
 Age 37/M  
 Date 11/03/2023

RATE 160bpm  
 B.P. 150/80

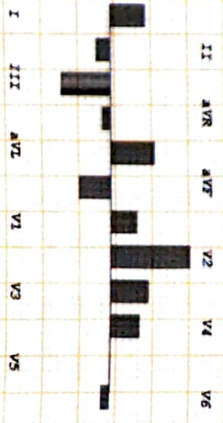
Bruce  
 PK-EXERCISE  
 TOTAL TIME 12:20  
 PHASE TIME 0:20

ST @ 10mm/mV  
 80ms PostJ  
 Speed 8 km/hr  
 SLOPE 18 %

LINKED MEDIAN



Mag. X 2  
 III





# DIABECARE - DIABETES & ENDOCRINE CLINIC

VINOOTH RATHINAVEL  
 I. D. 19688  
 Age 37/M  
 Date 11/03/2023

RATE 113bpm  
 B.P. 140/80

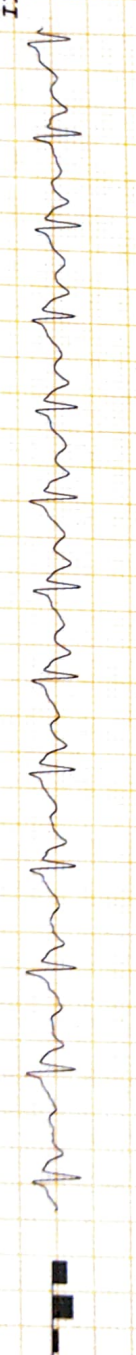
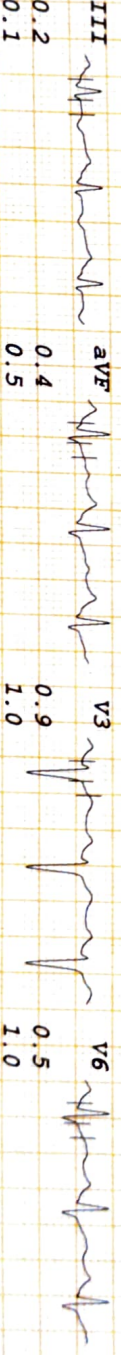
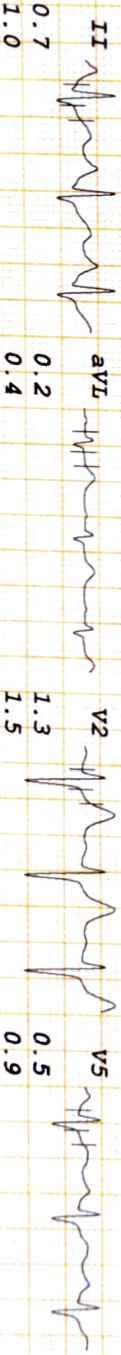
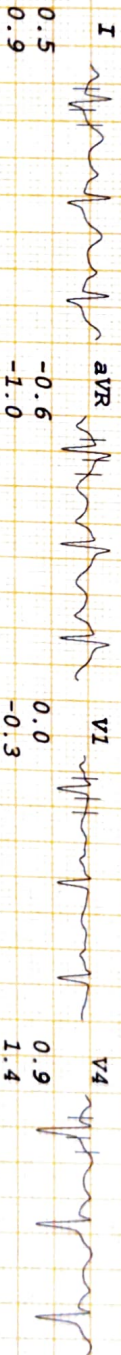
Brice  
 RECOVERY  
 TOTAL TIME 15:27  
 PHASE TIME 2:55

ST @ 10mm/mV  
 80ms PostJ

LINKED MEDIAN

Mag. X 2

V1



0.0  
 -0.3

I III aVR aVL V1 V3 V5

II aVR aVF V2 V4 V6



# DIABECARE - DIABETES & ENDOCRINE CLINIC

VINOTH RATHINAVEL  
 I.D. 19688  
 Age 37/M  
 Date 11/03/2023

RATE 107bpm  
 B.P. 130/80

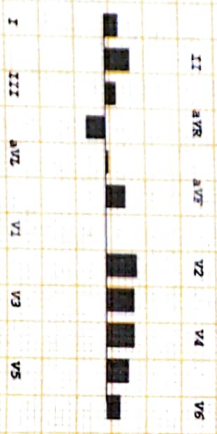
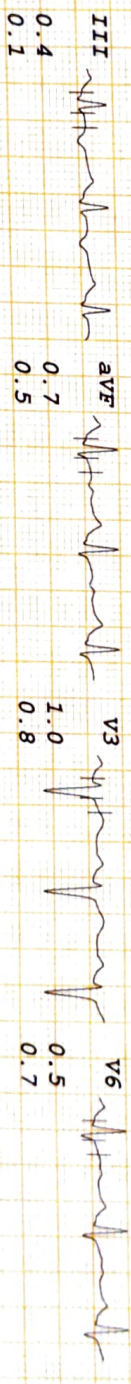
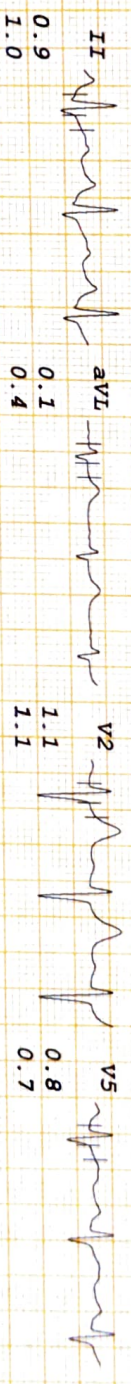
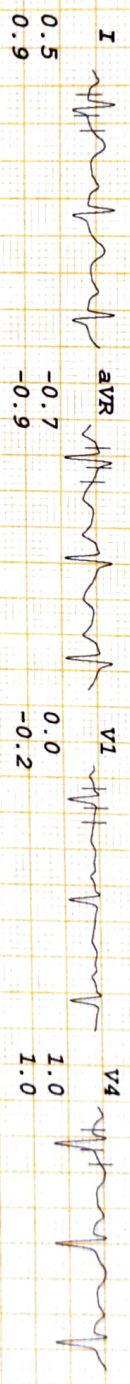
Bruce  
 RECOVERY  
 TOTAL TIME 18:27  
 PHASE TIME 5:55

ST @ 10mm/mV  
 80ms PostJ

LINKED MEDIAN

Mag. X 2

V1





# DIABECARE - DIABETES & ENDOCRINE CLINIC

VINOTH RATHINAVEL  
 I.D. 19688  
 Age 37/M  
 Date 11/03/2023

RATE 102bpm  
 B.P. 120/80

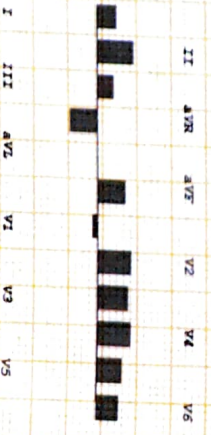
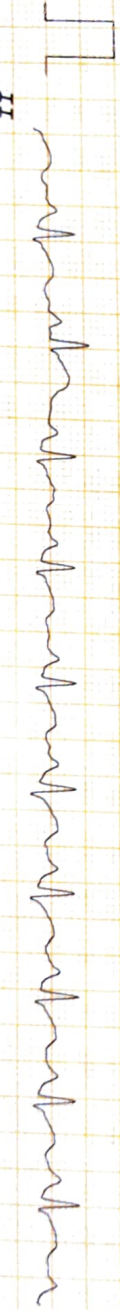
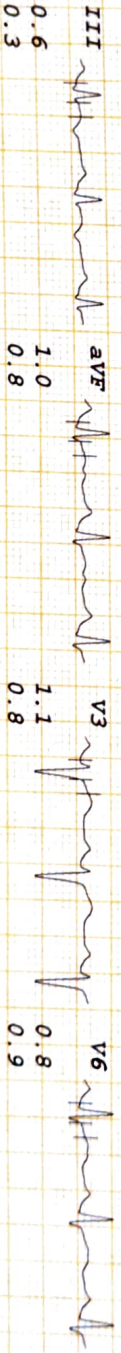
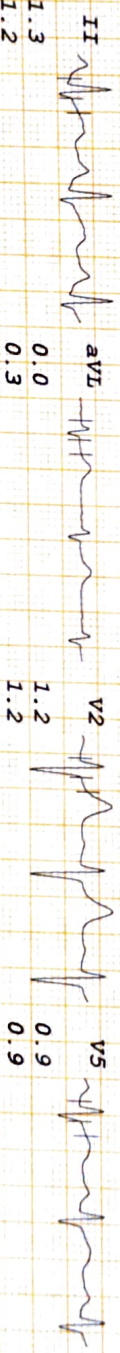
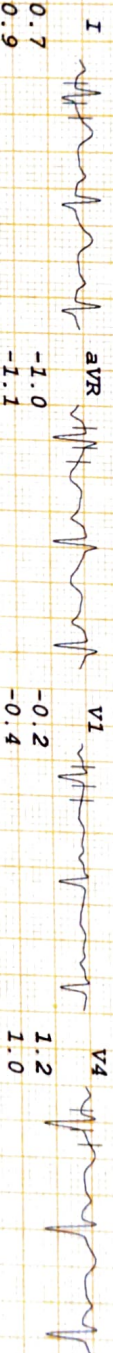
Bruce  
 RECOVERY  
 TOTAL TIME 21:27  
 PHASE TIME 8:55

ST @ 10mm/mV  
 80ms Post-J

LINKED MEDIAN

Mag. X 2

V1





# DIABECARE - DIABETES & ENDOCRINE CLINIC

VINOTH RATHINAVEL  
 I.D. 19688  
 Age 37/M  
 Date 11/03/2023

RATE 102bpm  
 B.P. 120/80

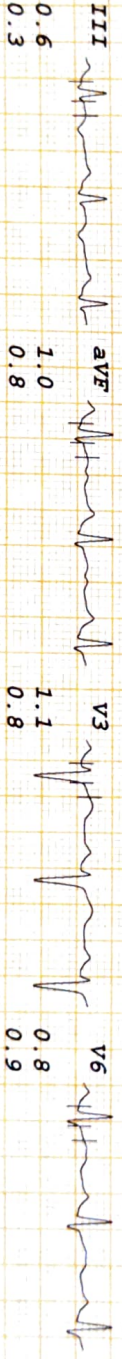
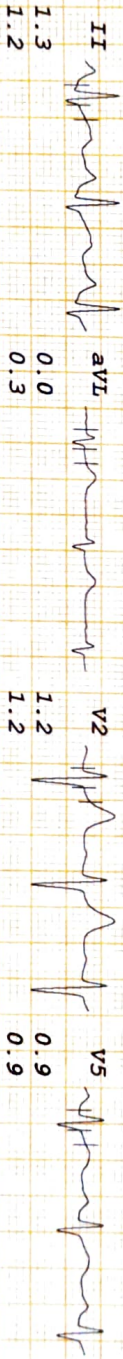
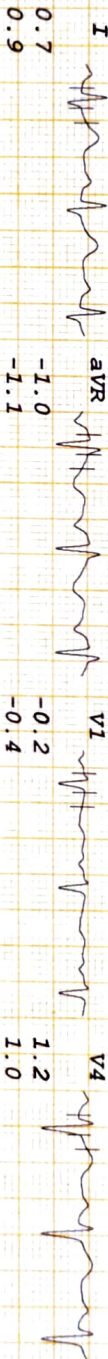
Bruce  
 RECOVERY  
 TOTAL TIME 21:27  
 PHASE TIME 8:55

ST @ 10mm/mV  
 80ms PostJ

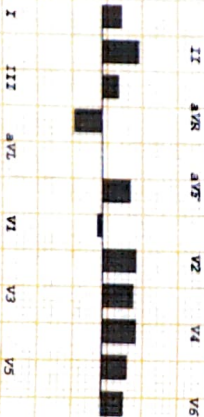
LINKED MEDIAN

Mag. X 2

V1



-0.2  
 -0.4



Name : MR VINOTH RATHINAVEL	Age/sex: 36Yrs. /MALE
Ref by: MEDIWHEEL	Date: 11/03/2023

**ULTRASOUND EXAMINATION OF ABDOMEN & PELVIS**

**Findings-**

The Liver is normal in size (14.8cm) ,shape and echogenicity. No focal lesion is seen. The Hepatic veins appear normal. There is no IHBR dilatation. The portal vein appears normal. A well-defined heterogenous hyperechoic lesion ms 24x26mm seen in segment 8 of liver? Hemangioma.

The gall bladder is distended. The proximal C.B.D. is normal caliber

Visualized head of Pancreas appears normal in size and reflectivity. The pancreatic duct is not dilated. Rest of the pancreas and retro peritoneum is obscured by bowel gases

The spleen is normal in size (7.5cm), No focal lesion is seen. Splenic vein is normal at hilum.

Both kidneys are normal in position and size. They show normal cortical reflectivity and cortico-medullary differentiation. There is no evidence of renal calculus, hydronephrosis or mass.

Right kidney measures 9.2 x 4.5 cm

Left kidney measures 9.8 x 5.2 cm

The Urinary bladder is well distended. No evidence of any intraluminal mass or calculi.

The visualized Prostate appears normal in size, shape and homogenous echotexture, its measures 2.2 x 2.8 x3.1 cm-10 cc

There is no free fluid is seen in the pelvis. No probe tenderness in present study.

**IMPRESSION :-**

- A well-defined heterogenous hyperechoic lesion in right lobe of liver ? Hemangioma.
- Rest No significant abnormality is seen in present study.
- Adv : clinical correlation.



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(RADIOLOGIST)

Reg. No. 2005/03/2139



