



TMT INVESTIGATION REPORT

Patient Name : DEEKSHA SAXENA	Location : Ghaziabad
Age/Sex : 34Year(s)/Female	Visit No : V0000000001-GHZB
MRN No : MH010215304	Order Date : 22/07/2023
Ref. Doctor : HCP	Report Date : 22/07/2023

Protocol : Bruce	MPHR : 185BPM
Duration of exercise : 7min 02sec	85% of MPHR : 157BPM
Reason for termination : THR achieved	Peak HR Achieved : 167BPM
Blood Pressure (mmHg) : Baseline BP : 100/66mmHg	% Target HR : 90%
Peak BP : 126/70mmHg	METS : 8.6METS

STAGE	TIME (min)	H.R (bpm)	BP (mmHg)	SYMPTOMS	ECG CHANGES	ARRHYTHMIA
PRE- EXC.	0:00	95	100/66	Nil	No ST changes seen	Nil
STAGE 1	3:00	131	110/66	Nil	No ST changes seen	Nil
STAGE 2	3:00	154	120/70	Nil	No ST changes seen	Nil
STAGE 3	1:02	167	126/70	Nil	No ST changes seen	Nil
RECOVERY	3:03	102	104/66	Nil	No ST changes seen	Nil

COMMENTS:

- No ST changes in base line ECG.
- No ST changes during test and recovery.
- Normal chronotropic response.
- Normal blood pressure response.
- Fair effort tolerance.

IMPRESSION:

Treadmill test is **negative** for exercise induced reversible myocardial ischemia.

Dr. Bhupendra Singh
MD, DM (CARDIOLOGY), FACC
Sr. Consultant Cardiology

Dr. Abhishek Singh
MD, DNB (CARDIOLOGY), MNAMS
Sr. Consultant Cardiology

Dr. Sudhanshu Mishra
MD
Cardiology Registrar

RADIOLOGY REPORT

NAME	MRS DEEKSHA SAXENA	STUDY DATE	22/07/2023 9:13AM
AGE / SEX	34 y / F	HOSPITAL NO.	MH010215304
ACCESSION NO.	R5844007	MODALITY	US
REPORTED ON	22/07/2023 10:10AM	REFERRED BY	HEALTH CHECK MGD

USG ABDOMEN & PELVIS

FINDINGS

LIVER: Liver is normal in size (measures 130 mm), shape and echotexture. Rest normal.
 SPLEEN: Spleen is normal in size (measures 82 mm), shape and echotexture. Rest normal.
 PORTAL VEIN: Appears normal in size and measures 9.5 mm.
 COMMON BILE DUCT: Appears normal in size and measures 3.4 mm.
 IVC, HEPATIC VEINS: Normal.
 BILIARY SYSTEM: Normal.
 GALL BLADDER: Gall bladder is well distended. Wall thickness is normal and lumen is echofree. Rest normal.
 PANCREAS: Pancreas is normal in size, shape and echotexture. Rest normal.
 KIDNEYS: Bilateral kidneys are normal in size, shape and echotexture. Cortico-medullary differentiation is maintained. Rest normal.
 Right Kidney: measures 99 x 34 mm.
 Left Kidney: measures 92 x 34 mm.
 PELVI-CALYCEAL SYSTEMS: Compact.
 NODES: Not enlarged.
 FLUID: Nil significant.
 URINARY BLADDER: Urinary bladder is well distended. Wall thickness is normal and lumen is echofree. Rest normal.
 UTERUS: Uterus is retroverted, normal in size (measures 60 x 39 x 38 mm), shape and echotexture.
 Endometrial thickness measures 13.6 mm. Cervix appears normal.
 OVARIES: Both ovaries are normal in size, shape and echotexture. Rest normal.
 Right ovary measures 27 x 24 x 21 mm with volume 7.3 cc.
 Left ovary measures 30 x 26 x 18 mm with volume 7.3 cc.
 Bilateral adnexa is clear.
 Bowel: Visualized bowel loops appear normal.

IMPRESSION

- No significant abnormality noted.

Recommend clinical correlation.

Srabhat

Dr. Prabhat Prakash Gupta MBBS, DNB, MNAMS (FRCR 2A)
 CONSULTANT RADIOLOGIST

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

MANIPAL HOSPITALS

NH-24, Hapur Road, Near Landcraft Golflinks, Ghaziabad - 201002

www.manipalhospitals.com

This report is subject to the terms and conditions mentioned overleaf

RADIOLOGY REPORT

NAME	MRS DEEKSHA SAXENA	STUDY DATE	22/07/2023 9:28AM
AGE / SEX	34 y / F	HOSPITAL NO.	MH010215304
ACCESSION NO.	R5844006	MODALITY	CR
REPORTED ON	22/07/2023 9:38AM	REFERRED BY	HEALTH CHECK MGD

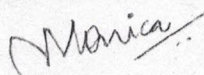
XR- CHEST PA VIEW

FINDINGS:

LUNGS: Bronchovascular markings appear prominent.
TRACHEA: Normal.
CARINA: Normal.
RIGHT AND LEFT MAIN BRONCHI: Normal.
PLEURA: Normal.
HEART: Normal.
RIGHT HEART BORDER: Normal.
LEFT HEART BORDER: Normal.
PULMONARY BAY: Normal.
PULMONARY HILA: Normal.
AORTA: Normal.
THORACIC SPINE: Normal.
OTHER VISUALIZED BONES: Normal.
VISUALIZED SOFT TISSUES: Normal.
DIAPHRAGM: Normal.
VISUALIZED ABDOMEN: Normal.
VISUALIZED NECK: Normal.

IMPRESSION:

Prominent bronchovascular markings in bilateral lung fields.
Recommend clinical correlation.



Dr. Monica Shekhawat MBBS, DNB
CONSULTANT RADIOLOGIST

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

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LABORATORY REPORT

Name : MRS DEEKSHA SAXENA **Age** : 34 Yr(s) Sex :Female
Registration No : MH010215304 RefHosp No. : ghzb-0000175247 **Lab No** : 32220610334
Patient Episode : H18000000729 **Collection Date** : 29 Jun 2022 19:14
Referred By : HEALTH CHECK MGD **Reporting Date** : 29 Jun 2022 20:07
Receiving Date : 29 Jun 2022 19:21

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
Specimen: EDTA Whole blood			
HbA1c (Glycosylated Hemoglobin)	5.5	%	As per American Diabetes Association (ADA) [4.0-6.5]
HbA1c in % Non diabetic adults : < 5.6 % Prediabetes (At Risk) : 5.7 % - 6.4 % Diabetic Range : > 6.5 %			
Methodology	Turbidimetric inhibition immunoassay (TINIA)		
Estimated Average Glucose (eAG)	111	mg/dl	

Use :

1. Monitoring compliance and long-term blood glucose level control in patients with diabetes.
2. Index of diabetic control (direct relationship between poor control and development of complications).
3. Predicting development and progression of diabetic microvascular complications.

Limitations :

1. A1C values may be falsely elevated or decreased in those with chronic kidney disease.
2. False elevations may be due in part to analytical interference from carbamylated hemoglobi formed in the presence of elevated concentrations of urea, with some assays.
3. False decreases in measured A1C may occur with hemodialysis and altered red cell turnover specially in the setting of erythropoietin treatment

References : Rao.L.V.,Michael snyder.L.

(2021).Wallach's Interpretation of Diagnostic Tests.

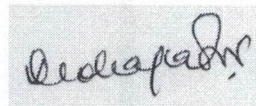
11th Edition. Wolterkluwer. NaderRifai,Andrea Rita Horvath,Carl T.wittwer.

(2018)Teitz Text book

of Clinical Chemistry and Molecular Diagnostics.First edition,Elsevier, South Asia.

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-----END OF REPORT-----



Dr. Lona Mohapatra
CONSULTANT PATHOLOGY

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LABORATORY REPORT

LABORATORY REPORT

Name : MRS DEEKSHA SAXENA **Age** : 34 Yr(s) Sex :Female
Registration No : MH010215304 RefHosp No. : ghzb-0000175247 **Lab No** : 202307002553
Patient Episode : H18000000729 **Collection Date** : 22 Jul 2023 08:53
Referred By : HEALTH CHECK MGD **Reporting Date** : 24 Jul 2023 09:54
Receiving Date : 22 Jul 2023 08:53

HAEMATOLOGY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
COMPLETE BLOOD COUNT (AUTOMATED)		SPECIMEN-EDTA Whole Blood	
RBC COUNT (IMPEDECE)	4.28	millions/cumm	[3.80-4.80]
HEMOGLOBIN	11.5 #	g/dl	[12.0-16.0]
Method:cyanide free SLS-colorimetry			
HEMATOCRIT (CALCULATED)	35.7 #	%	[36.0-46.0]
MCV (DERIVED)	83.4	fL	[83.0-101.0]
MCH (CALCULATED)	26.9 #	pg	[27.0-32.0]
MCHC (CALCULATED)	32.2	g/dl	[31.5-34.5]
RDW CV% (DERIVED)	14.1 #	%	[11.6-14.0]
Platelet count	185	x 10 ³ cells/cumm	[150-400]
MPV (DERIVED)	11.9		
WBC COUNT (TC) (IMPEDECE)	5.09	x 10 ³ cells/cumm	[4.00-10.00]
DIFFERENTIAL COUNT (VCS TECHNOLOGY/MICROSCOPY)			
Neutrophils	36.0 #	%	[40.0-80.0]
Lymphocytes	58.0 #	%	[17.0-45.0]
Monocytes	6.0	%	[2.0-10.0]
Eosinophils	0.0 #	%	[2.0-7.0]
Basophils	0.0	%	[0.0-2.0]
ESR	5.0	mm/1sthour	[0.0-

LABORATORY REPORT

Name	: MRS DEEKSHA SAXENA	Age	: 34 Yr(s) Sex :Female
Registration No	: MH010215304 RefHosp No. : ghzb-0000175247	Lab No	: 202307002553
Patient Episode	: H18000000729	Collection Date	: 22 Jul 2023 09:40
Referred By	: HEALTH CHECK MGD	Reporting Date	: 23 Jul 2023 08:52
Receiving Date	: 22 Jul 2023 09:40		

CLINICAL PATHOLOGY

ROUTINE URINE ANALYSIS (Semi Automated) Specimen-Urine

MACROSCOPIC DESCRIPTION

Colour	PALE YELLOW	(Pale Yellow - Yellow)
Appearance	CLEAR	
Reaction[pH]	7.0	(4.6-8.0)
Specific Gravity	1.005	(1.003-1.035)

CHEMICAL EXAMINATION

Protein/Albumin	Negative	(NEGATIVE)
Glucose	NIL	(NIL)
Ketone Bodies	Negative	(NEGATIVE)
Urobilinogen	Normal	(NORMAL)

MICROSCOPIC EXAMINATION (Automated/Manual)

Pus Cells	0-1 /hpf	(0-5/hpf)
RBC	NIL	(0-2/hpf)
Epithelial Cells	0-1 /hpf	
CASTS	NIL	
Crystals	NIL	
OTHERS	NIL	

LABORATORY REPORT

Name : MRS DEEKSHA SAXENA Age : 34 Yr(s) Sex :Female
Registration No : MH010215304 RefHosp No. : ghzb-0000175247 Lab No : 202307002553
Patient Episode : H18000000729 Collection Date : 22 Jul 2023 08:53
Referred By : HEALTH CHECK MGD Reporting Date : 23 Jul 2023 08:43
Receiving Date : 22 Jul 2023 08:53

BLOOD BANK

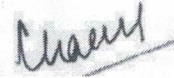
TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
Blood Group & Rh Typing (Agglutination by gel/tube technique)			Specimen-Blood
Blood Group & Rh typing	B Rh(D) Negative		

Technical note:

ABO grouping and Rh typing is done by cell and serum grouping by microplate / gel technique.

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-----END OF REPORT-----



Dr. Charu Agarwal
Consultant Pathologist

LABORATORY REPORT

Name : MRS DEEKSHA SAXENA Age : 34 Yr(s) Sex : Female
 Registration No : MH010215304 RefHosp No. : ghzb-0000175247 Lab No : 202307002555
 Patient Episode : H18000000729 Collection Date : 22 Jul 2023 12:42
 Referred By : HEALTH CHECK MGD Reporting Date : 22 Jul 2023 17:07
 Receiving Date : 22 Jul 2023 12:42


BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
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PLASMA GLUCOSE
 Specimen: Plasma
 GLUCOSE, POST PRANDIAL (PP), 2 HOURS 86.0 mg/dl [80.0-140.0]
 Method: Hexokinase

Note:
 Conditions which can lead to lower postprandial glucose levels as compared to fasting glucose are excessive insulin release, rapid gastric emptying, brisk glucose absorption, post exercise

-----END OF REPORT-----


Dr. Alka Dixit Vats
 Consultant Pathologist

LABORATORY REPORT


Name : MRS DEEKSHA SAXENA Age : 34 Yr(s) Sex :Female
Registration No : MH010215304 RefHosp No. : ghzb-0000175247 Lab No : 202307002554
Patient Episode : H18000000729 Collection Date : 22 Jul 2023 08:53
Referred By : HEALTH CHECK MGD Reporting Date : 22 Jul 2023 17:21
Receiving Date : 22 Jul 2023 08:53

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
GLUCOSE-Fasting Specimen: Plasma GLUCOSE, FASTING (F) Method: Hexokinase	78.0	mg/dl	[70.0-110.0]

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-----END OF REPORT-----



Dr. Alka Dixit Vats
Consultant Pathologist

LABORATORY REPORT

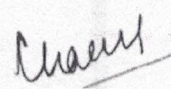
Name : MRS DEEKSHA SAXENA Age : 34 Yr(s) Sex : Female
 Registration No : MH010215304 RefHosp No. : ghzb-0000175247 Lab No : 202307002553
 Patient Episode : H18000000729 Collection Date : 22 Jul 2023 08:53
 Referred By : HEALTH CHECK MGD Reporting Date : 22 Jul 2023 14:21
 Receiving Date : 22 Jul 2023 08:53

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
LIVER FUNCTION TEST			
BILIRUBIN - TOTAL Method: D P D	0.72	mg/dl	[0.30-1.20]
BILIRUBIN - DIRECT Method: DPD	0.16	mg/dl	[0.00-0.30]
INDIRECT BILIRUBIN (SERUM) Method: Calculation	0.56	mg/dl	[0.10-0.90]
TOTAL PROTEINS (SERUM) Method: BIURET	7.60	gm/dl	[6.60-8.70]
ALBUMIN (SERUM) Method: BCG	4.08	g/dl	[3.50-5.20]
GLOBULINS (SERUM) Method: Calculation	3.50 #	gm/dl	[1.80-3.40]
PROTEIN SERUM (A-G) RATIO Method: Calculation	1.16		[1.00-2.50]
ASPARTATE AMINOTRANSFERASE (SGOT) (SERUM) Method: IFCC W/O P5P	24.00	U/L	[0.00-40.00]
ALANINE AMINOTRANSFERASE (SGPT) (SERUM) Method: IFCC W/O P5P	17.00	U/L	[14.00-54.00]
Serum Alkaline Phosphatase Method: AMP BUFFER IFCC)	48.0	IU/L	[40.0-98.0]
GGT	16.0	U/L	[7.0-50.0]

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-----END OF REPORT-----


 Dr. Charu Agarwal

LABORATORY REPORT

Name : MRS DEEKSHA SAXENA Age : 34 Yr(s) Sex : Female
 Registration No : MH010215304 RefHosp No. : ghzb-0000175247 Lab No : 202307002553
 Patient Episode : H18000000729 Collection Date : 22 Jul 2023 08:53
 Referred By : HEALTH CHECK MGD Reporting Date : 22 Jul 2023 14:20
 Receiving Date : 22 Jul 2023 08:53

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
KIDNEY PROFILE			
Specimen: Serum			
Urea Nitrogen	27.9	mg/dl	[15.0-40.0]
Method: GLDH, Kinatic assay			
BUN, BLOOD UREA NITROGEN	13.0	mg/dl	[8.0-20.0]
Method: Calculated			
CREATININE, SERUM	0.81	mg/dl	[0.70-1.20]
Method: Jaffe rate-IDMS Standardization			
URIC ACID	4.9	mg/dl	[4.0-8.5]
Method: uricase PAP			
SODIUM, SERUM	132.90 #	mmol/L	[136.00-144.00]
POTASSIUM, SERUM	4.29	mmol/L	[3.60-5.10]
SERUM CHLORIDE	100.6 #	mmol/L	[101.0-111.0]
Method: ISE Indirect			
eGFR (calculated)	95.1	ml/min/1.73sq.m	[>60.0]
<p>Technical Note eGFR which is primarily based on Serum Creatinine is a derivation of CKD-EPI 2009 equation normalized to 1.73 sq.m BSA and is not applicable to individuals below 18 years. eGFR tends to be less accurate when Serum Creatinine estimation is indeterminate e.g. patients at extremes of muscle mass, on unusual diets etc. and samples with severe Hemolysis / Icterus / Lipemia.</p>			

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Referred By : HEALTH CHECK MGD **Reporting Date** : 22 Jul 2023 14:21
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BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
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Serum LIPID PROFILE

Serum TOTAL CHOLESTEROL Method:Oxidase,esterase, peroxide	195	mg/dl	[<200] Moderate risk:200-239 High risk:>240
TRIGLYCERIDES (GPO/POD)	54	mg/dl	[<150] Borderline high:151-199 High: 200 - 499 Very high:>500
HDL- CHOLESTEROL Method : Enzymatic Immunoimhibition	57.0	mg/dl	[35.0-65.0]
VLDL- CHOLESTEROL (Calculated)	11	mg/dl	[0-35]
CHOLESTEROL, LDL, CALCULATED	127.0 #	mg/dl	[<120.0] Near/ Borderline High:130-159 High Risk:160-189
Above optimal-100-129			<4.0 Optimal 4.0-5.0 Borderline >6 High Risk
T.Chol/HDL.Chol ratio (Calculated)	3.4		
LDL.CHOL/HDL.CHOL Ratio (Calculated)	2.2		<3 Optimal 3-4 Borderline >6 High Risk

Note:
Reference ranges based on ATP III Classifications.

LABORATORY REPORT

Name : MRS DEEKSHA SAXENA Age : 34 Yr(s) Sex :Female
 Registration No : MH010215304 RefHosp No. : Lab No : 32220610334
 ghzb-0000175247 Collection Date : 29 Jun 2022 19:14
 Patient Episode : H18000000729 Reporting Date : 29 Jun 2022 20:07
 Referred By : HEALTH CHECK MGD
 Receiving Date : 29 Jun 2022 19:21

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
			Specimen Type : Serum
THYROID PROFILE, Serum			
T3 - Triiodothyronine (ECLIA)	0.75	ng/ml	[0.70-2.04]
T4 - Thyroxine (ECLIA)	3.91 #	µg/dl	[4.60-12.00]
Thyroid Stimulating Hormone (ECLIA)	2.370	µIU/mL	[0.340-4.250]
1st Trimester:0.6 - 3.4		micIU/mL	
2nd Trimester:0.37 - 3.6		micIU/mL	
3rd Trimester:0.38 - 4.04		micIU/mL	

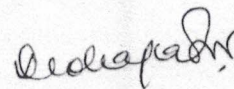
Note : TSH levels are subject to circadian variation, reaching peak levels between 2-4.a.m.and at a minimum between 6-10 pm.Factors such as change of seasons hormonal fluctuations,Ca or Fe supplements,high fibre diet,stress and illness affect TSH results.

* References ranges recommended by the American Thyroid Association

- 1) Thyroid. 2011 Oct;21(10):1081-125.PMID .21787128
- 2) <http://www.thyroid-info.com/articles/tsh-fluctuating.html>

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-----END OF REPORT-----



Dr. Lona Mohapatra
CONSULTANT PATHOLOGY

LABORATORY REPORT

Name : MRS DEEKSHA SAXENA **Age** : 34 Yr(s) Sex : Female
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BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
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Specimen: EDTA Whole blood

HbA1c (Glycosylated Hemoglobin)

5.5

As per American Diabetes Association (ADA) 20

% [4.0-6.5]

HbA1c in %

Non diabetic adults : < 5.6 %

Prediabetes (At Risk) : 5.7 % - 6.4 %

Diabetic Range : > 6.5 %

Methodology

Turbidimetric inhibition immunoassay (TINIA)

Estimated Average Glucose (eAG)

111

mg/dl

Use :

1. Monitoring compliance and long-

term blood glucose level control in patients with diabetes.

2. Index of diabetic control (direct relationship between poor control and development of complications).

3. Predicting development and progression of diabetic microvascular complications.

Limitations :

1. A1C values may be falsely elevated or decreased in those with chronic kidney disease.

2. False elevations may be due in part to analytical interference from carbamylated hemoglobin formed in the presence of elevated concentrations of urea, with some assays.

3. False decreases in measured A1C may occur with hemodialysis and altered red cell turnover, especially in the setting of erythropoietin treatment

References : Rao.L.V., Michael Snyder.L.

(2021). Wallach's Interpretation of Diagnostic Tests.

11th Edition. Wolterkluwer. Nader Rifai, Andrea Rita Horvath, Carl T. Wittwer.

(2018) Teitz Text book

of Clinical Chemistry and Molecular Diagnostics. First edition, Elsevier, South Asia.

35 years
Female Caucasian

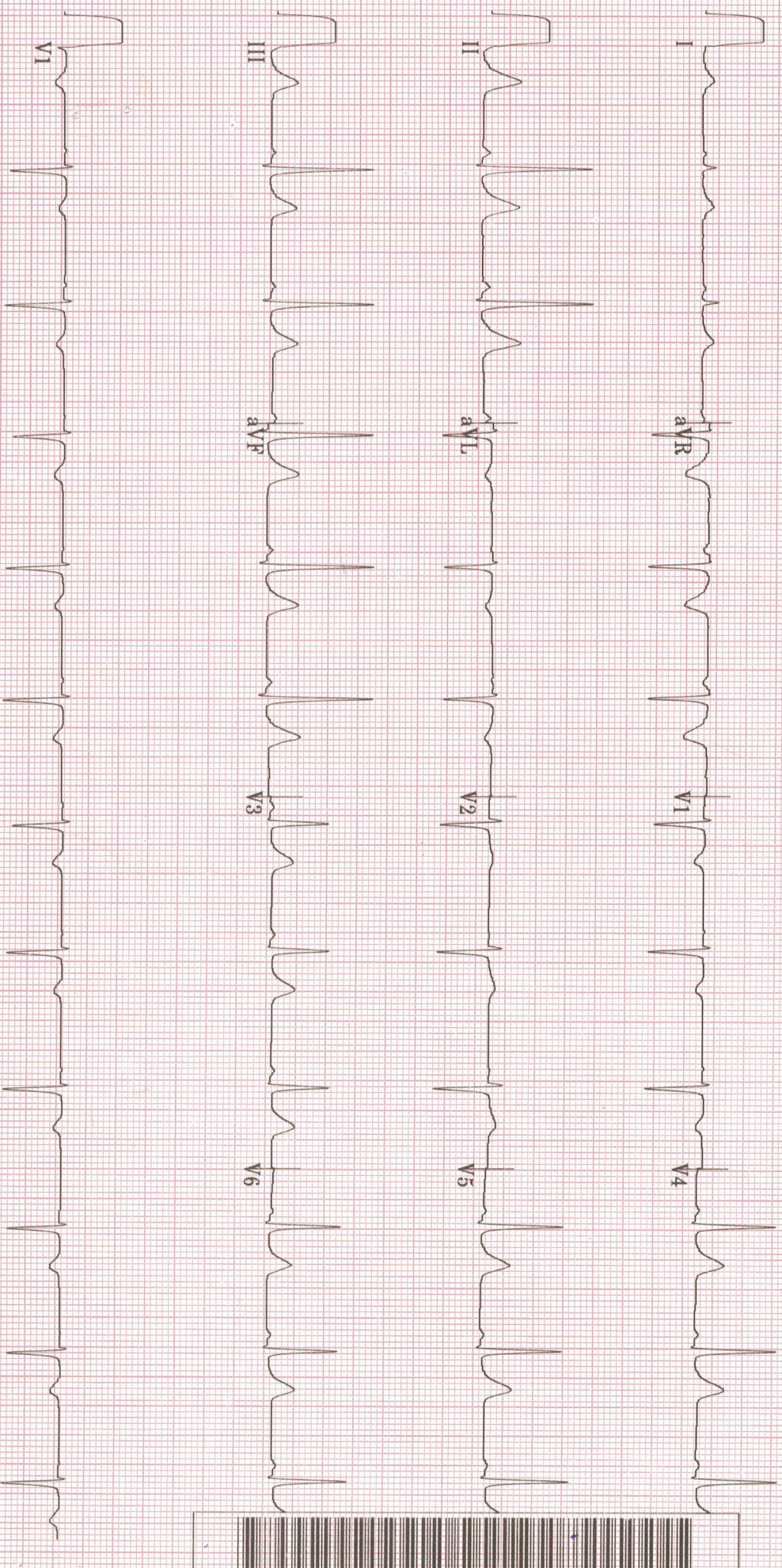
Vent. rate 68 bpm
PR interval 116 ms
QRS duration 76 ms
QT/QTc 378/401 ms
P-R-T axes 63 84 73

Normal sinus rhythm
Normal ECG

Technician:
Test ind:

Referred by:

Unconfirmed



20 Hz 25.0 mm/s 10.0 mm/mV

4 by 2.5s + 1 rhythm ld

MAC55 009C 12STTM 239

