



### CONCLUSION OF HEALTH CHECKUP

ECU Number : 8456                      MR Number : 23225721                      Patient Name: VIVEK KUMAR SINGH  
Age : 31                                      Sex : Male                                      Height : 170  
Weight : 79                                      Ideal Weight : 68                                      BMI : 27.34  
Date : 13/01/2024

*Dyslipidemia  
Fatty Liver  
Impaired LFT*

*A  
Fibrosis  
Lipid modification  
Tol Metformin 750 (QD)  
(10/100)  
0-2-1*

Dr. Manish Mittal

Internal Medicine

Note : General Physical Examination & routine Investigations included in the Health Checkup have certain limitations and may not be able to detect all the latent and asymptomatic diseases.





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Date : 13/01/2024

Past H/O : NO P/H/O ANY MAJOR ILLNESS

Present H/O : NO MEDICAL COMPLAIN AT PRESENT

Family H/O : MOTHER : HTN

Habits : NO HABITS

Gen.Exam. : G.C.GOOD

B.P : 140/96

Pulse : 78

Others : SPO2 98 %

C.V.S : NAD

R.S. : NAD

Abdomen : NP

Spleen : NP

Skin : NAD

C.N.S : NAD

Advice :





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 Date : 13/01/2024

**Ophthalmic Check Up :**

Right

Left

Ext Exam

NIL

Vision Without Glasses

+6/6 N.5

6/6 N.5

Vision With Glasses

NA

NA

Final Correction

NA

NA

Fundus

NORMAL

Colour Vision

NORMAL

Reflex

NIL

**Orthopaedic Check Up :**

Ortho Consultation

Ortho Advice

**ENT Check Up :**

Ear

Nose

Throat

Hearing Test

ENT Advice

**General Surgery Check Up :**

General Surgery

Abdominal Lump

Hernia

External Genitals

PVR

Proctoscopy

Any Other

Surgical Advice



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DEPARTMENT OF LABORATORY MEDICINE

Patient Name : Mr. VIVEK KUMAR SINGH  
Gender / Age : Male / 31 Years 11 Months 17 Days  
MR No / Bill No. : 23225721 / 242072229  
Consultant : Dr. Manish Mittal  
Location : OPD

Type : OPD  
Request No. : 191136  
Request Date : 13/01/2024 08:36 AM  
Collection Date : 13/01/2024 08:39 AM  
Approval Date : 13/01/2024 03:14 PM

CBC + ESR

Test Results are dependent on a number of variables & technical limitations. Hence, it is advised to correlate with clinical findings and other related investigations before any firm opinion is made. Retest / recheck / retest may be requested.

Test	Result	Units	Biological Ref. Range
<b>Haemoglobin.</b>			
Haemoglobin	13.7	gm/dL	13 - 17
Red Blood Cell Count (T-RBC)	<b>4.40</b>	mill/cmm	4.5 - 5.5
Hematocrit (HCT)	43.1	%	40 - 50
Mean Corpuscular Volume (MCV)	98.0	fl	83 - 101
Mean Corpuscular Haemoglobin (MCH)	31.1	pg	27 - 32
MCH Concentration (MCHC)	31.8	%	31.5 - 34.5
Red Cell Distribution Width (RDW-CV)	13.7	%	11.6 - 14
Red Cell Distribution Width (RDW-SD)	<b>49.9</b>	fl	39 - 46
<b>Total Leucocyte Count (TLC)</b>			
Total Leucocyte Count (TLC)	7.02	thou/cmm	4 - 10
<b>Differential Leucocyte Count</b>			
Polymorphs	56	%	40 - 80
Lymphocytes	31	%	20 - 40
Eosinophils	6	%	1 - 6
Monocytes	7	%	2 - 10
<b>Basophils</b>	<b>0</b>	%	0 - 2
Polymorphs (Abs. Value)	<b>3.88</b>	thou/cmm	2 - 7
Lymphocytes (Abs. Value)	<b>2.17</b>	thou/cmm	1 - 3
Eosinophils (Abs. Value)	<b>0.42</b>	thou/cmm	0.2 - 0.5
Monocytes (Abs. Value)	<b>0.50</b>	thou/cmm	0.2 - 1
Basophils (Abs. Value)	<b>0.06</b>	thou/cmm	0.02 - 0.1
Immature Granulocytes	0.3	%	1 - 3 : <b>Borderline</b> > 3 : <b>Significant</b>
<b>Platelet Count</b>			
Platelet Count	<b>123</b>	thou/cmm	150 - 410
Smear evaluation	Adequate		
Remarks	few large platelets seen		
ESR	<b>10</b>	mm/1 hr	0 - 10

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**CBC + ESR**

Immature Granulocyte (IG) count is a useful early marker of infection or inflammation, even when other markers are normal. It is an early and rapid discrimination of bacterial from viral infections. It is also increased in patients on steroid therapy / chemotherapy or haematological malignancy. High IG is always pathological; except in pregnancy and neonates of < 7 days.

Method : HB by Non-Cyanide Hemoglobin analysis method. HCT by RBC pulse height detection method. RBC, TLC & PLC are by Particle Count by Electrical Impedance in Cell Counter by Fluorescent flow cytometry using a semi-conductor laser and hydrodynamic focusing in dedicated channels. Optical Platelets by Fluorescent + Laser Technology. MCV, MCH, MCHC, RDW (CV & SD) are calculated parameter. DLC by Flowcytometry method using semi-conductor Laser+Smear verification.

ESR on ESL-30, comparable to Westergrens method and in accordance to ICSH reference method.

--- End of Report ---

Dr. Ameet Soni  
MD (Path)

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**Haematology**

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Biological Ref. Range</u>
<b>Blood Group</b>			
ABO system	A		
Rh system.	Positive		

By Gel Technology / Tube Agglutination Method

Note :

- This blood group has been done with new sensitive Gel Technology using both Forward and Reverse Grouping Card with Autocontrol.
- This method check's group both on Red blood cells and in Serum for "ABO" group.

--- End of Report ---

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MD (Path)

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**Fasting Plasma Glucose**

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Biological Ref. Range</u>
<i>Fasting Plasma Glucose</i>			
Fasting Plasma Glucose	94	mg/dL	70 - 110
Post Prandial 2 Hr. Plasma Glucose	102	mg/dL	70 - 140

By Hexokinase method on EXL Dade Dimension

--- End of Report ---

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MD (Path). DCP.

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**HbA1c (Glycosylated Hb)**

Test	Result	Units	Biological Ref. Range
<b>HbA1c (Glycosylated Hb)</b>			
Glycosylated Hemoglobin (HbA1c)	5.2	%	
estimated Average Glucose (e AG) *	102.54	mg/dL	

(Method:

By Automated HPLC analyser on D-10 Biorad. NGSP Certified, US-FDA approved, Traceable to IFCC reference method.

\* Calculated valued for past 60 days, derived from HbA1c %, based on formula recommended by the A1c - Derived Average Glucose study from AD/ and EASD funded The ADAG trial.

Guidelines for Interpretation:

Indicated Glycemic control of previous 2-3 months

HbA1c%	e AG (mg/dl)	Glycemic control
> 8	> 183	Action suggested...High risk of developing long-term complications. Action suggested, depends on individual patient circumstances
7 - 8	154 - 183	Good
< 7	< 154	Goal...Some danger of hypoglycemic reaction in type I Diabetics. Some Glucose intolerant individuals and Sub-Clinical diabetics may demonstrate (elevated) HbA1c in this area.
6 - 7	126 - 154	Near Normal
< 6	< 126	Nondiabetic level)

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**Complete Lipid Profile**

Test	Result	Units	Biological Ref. Range
<b>Complete Lipid Profile</b>			
Appearance	Clear		
Triglycerides	<b>279</b>	mg/dL	1 - 150
<i>(Done by Lipase /Glycerol kinase on Vitros 5600 &lt; 150 Normal 150-199 Borderline High 200-499 High &gt; 499 Very High)</i>			
Total Cholesterol	<b>227</b>	mg/dL	1 - 200
<i>(Done by Colorimetric - Cholesterol Oxidase, esterase, peroxidase on Vitros 5600. &lt;200 mg/dL - Desirable 200-239 mg/dL - Borderline High &gt; 239 mg/dL - High)</i>			
HDL Cholesterol	46	mg/dL	40 - 60
<i>(Done by Colorimetric: non HDL precipitation method PTA/MgCl2 on Vitros 5600 &lt; 40 Low &gt; 60 High)</i>			
Non HDL Cholesterol (calculated)	181	mg/dL	1 - 130
<i>(Non- HDL Cholesterol &lt; 130 Desirable 139-159 Borderline High 160-189 High &gt; 191 Very High)</i>			
LDL Cholesterol	<b>134</b>	mg/dL	1 - 100
<i>(Done by Enzymatic (Two Step CHE/CHO/POD ) on Vitros 5600 &lt; 100 Optimal 100-129 Near / above optimal 130-159 Borderline High 160-189 High &gt; 189 Very High)</i>			
VLDL Cholesterol (calculated)	55.8	mg/dL	12 - 30
LDL Ch. / HDL Ch. Ratio	2.91		2.1 - 3.5
T. Ch./HDL Ch. Ratio	4.93		3.5 - 5
<i>(Recent NECP / ATP III Guidelines / Classification (mg/dl) :)</i>			

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**Liver Function Test (LFT)**

Test	Result	Units	Biological Ref. Range
<b>Bilirubin</b>			
Bilirubin - Total	<u>1.29</u>	mg/dL	0 - 1
Bilirubin - Direct	0.29	mg/dL	0 - 0.3
Bilirubin - Indirect	<u>1</u>	mg/dL	0 - 0.7
<i>(Done by Dual Wavelength - Reflectance Spectrophotometry on Vitros 5600)</i>			
Aspartate Aminotransferase (SGOT/AST)	<u>52</u>	U/L	15 - 40
<i>(Done by Multipoint Rate Colorimetric with P-5-P on Vitros 5600)</i>			
Alanine Aminotransferase (SGPT/ALT)	<u>90</u>	U/L	16 - 63
<i>(Done by Multipoint-Rate/Colorimetric with P-5-P (pyridoxa-5-phosphate) on Vitros 5600)</i>			
Alkaline Phosphatase	84	U/L	53 - 128
<i>(Done by Multipoint-Rate - p-nitrophenyl Phosphate, AMP buffer on Vitros 5600)</i>			
Gamma Glutamyl Transferase (GGT)	<u>93</u>	U/L	15 - 85
<i>(Done by Multipoint Rate - L-γ<sup>5</sup>-glutamyl-p-nitroanilide on Vitros 5600)</i>			
<b>Total Protein</b>			
Total Proteins	7.49	gm/dL	6.4 - 8.2
Albumin	4.64	gm/dL	3.4 - 5
Globulin	2.85	gm/dL	3 - 3.2
A : G Ratio	1.63		1.1 - 1.6
<i>(Done by Biuret endpoint and Bromocresol green method on vitros 5600.)</i>			

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**Renal Function Test (RFT)**

Test	Result	Units	Biological Ref. Range
Urea <i>(Done by Endpoint/Colorimetric - Urease on Vitros 5600)</i>	15	mg/dL	10 - 45
BUN	7.01	mg/dL	5 - 21
Creatinine <i>(By Modified Kinetic Jaffe Technique)</i>	<b>0.81</b>	mg/dL	0.9 - 1.3
Estimate Glomerular Filtration rate <i>(Ref. range : &gt; 60 ml/min for adults between age group of 18 to 70 yrs. eGFR Calculated by IDMS Traceable MDRD Study equation. Reporting of eGFR can help facilitate early detection of CKD. By Modified Kinetic Jaffe Technique)</i>	More than 60		
Uric acid <i>(Done by Colorimetric - Uricase, Peroxidase on Vitros 5600)</i>	<b>7.9</b>	mg/dL	3.4 - 7.2

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**Thyroid Hormone Study**

Test	Result	Units	Biological Ref. Range
Triiodothyronine (T3)	1.56	ng/ml	
<i>(Done by CLIA based method on automated immunoassay Vitros 5600.</i>			
<i>Reference interval (ng/ml)</i>			
1 - 3 days	: 0.1 - 7.4		
1-11 months	: 0.1 - 2.45		
1-5 years	: 0.1 - 2.7		
6-10 years	: 0.9 - 2.4		
11-15 years	: 0.8 - 2.1		
16-20 years	: 0.8 - 2.1		
Adults (20 - 50 years)	: 0.7 - 2.0		
Adults (> 50 years)	: 0.4 - 1.8		
Pregnancy (In last 5 months)	: 1.2 - 2.5		
<i>( Reference : Tietz - Clinical guide to laboratory test, 4th edition )</i>			
Thyroxine (T4)	9.70	mcg/dL	
<i>(Done by CLIA based method on automated immunoassay Vitros 5600.</i>			
<i>Reference interval (mcg/dL)</i>			
1 - 3 days	: 11.8 - 22.6		
1 - 2 weeks	: 9.8 - 16.6		
1 - 4 months	: 7.2 - 14.4		
4 - 12 months	: 7.8 - 16.5		
1-5 years	: 7.3 - 15.0		
5 - 10 years	: 6.4 - 13.3		
10 - 20 years	: 5.6 - 11.7		
Adults / male	: 4.6 - 10.5		
Adults / female	: 5.5 - 11.0		
Adults (> 60 years)	: 5.0 - 10.7		
<i>( Reference : Tietz - Clinical guide to laboratory test, 4th edition )</i>			
Thyroid Stimulating Hormone (US-TSH)	3.39	microIU/ml	
<i>(Done by CLIA based method on automated immunoassay Vitros 5600.</i>			
<i>Reference interval (microIU/ml)</i>			
Infants (1-4 days)	: 1.0 - 39		
2-20 weeks	: 1.7 - 9.1		
5 months - 20 years	: 0.7 - 6.4		
Adults (21 - 64 years)	: 0.4 - 4.2		
Adults (> 65 years)	: 0.5 - 8.0		
Pregnancy :			
1st trimester	: 0.3 - 4.5		
2nd trimester	: 0.5 - 4.0		
3rd trimester	: 0.8 - 5.2		
<i>( Reference : Tietz - Clinical guide to laboratory test, 4th edition )</i>			

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**Urine routine analysis (Auto)**

Test	Result	Units	Biological Ref. Range
<b>Physical Examination</b>			
Quantity	30	mL	
Colour	Pale Yellow		
Appearance	Clear		
<b>Chemical Examination (By Reagent strip method)</b>			
pH	5.5		
Specific Gravity	1.001		
Protein	Negative	gm/dL	0 - 5
Glucose	Negative	mg/dL	0 - 5
Ketones	Negative		0 - 5
Bilirubin	Negative		Negative
Urobilinogen	Negative		Negative (upto 1)
Blood	Negative		Negative
Leucocytes	Negative		Negative
Nitrite	Negative		Negative
<b>Microscopic Examination (by Microscopy after Centrifugation at 2000 rpm for 10 min or on fully automated Sysmex urine sedimentation analyzer UF4000)</b>			
Red Blood Cells	0 - 1	/hpf	0 - 2
Leucocytes	0 - 1	/hpf	0 - 5
Epithelial Cells	0 - 1	/hpf	0 - 5
Casts	Nil	/lpf	Nil
Crystals	Nil	/hpf	Nil
Mucus	Absent	/hpf	Absent
Organism	Absent		

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--- End of Report ---

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Ultra Sensitive Colour Doppler

Ultra High Resolution Sonography

Multi-Detector CT Scan

Magnetic Resonance Imaging (MRI)

Mammography

Interventional Radiology

Digital Subtraction Angiography (DSA)

Foetal Echocardiography

Echocardiography

4D USG & Doppler

**DEPARTMENT OF DIAGNOSTIC RADIOLOGY**

Patient No. : 23225721 Report Date : 13/01/2024

Request No. : 190097324 13/01/2024 8.36 AM

Patient Name : **Mr. VIVEK KUMAR SINGH**

Gender / Age : Male / 31 Years 11 Months 17 Days

**X-Ray Chest AP**

Both lung fields are clear.  
Both costophrenic sinuses appear clear.  
Heart size is normal.  
Hilar shadows show no obvious abnormality.  
Aorta is normal.

ULTRA SONOGRAPHY CANNOT DETECT ALL ABNORMALITIES  
NOT VALID FOR MEDICO-LEGAL PURPOSES  
CLINICAL CORRELATION RECOMMENDED

**Dr. Priyanka Patel, MD.**

Consultant Radiologist



Patient No. : 23225721      Report Date : 13/01/2024  
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Gender / Age : Male / 31 Years 11 Months 17 Days

**USG : Screening for Abdomen (excluding Pelvis) Or Upper Abdomen**

**Liver is normal in size and increased in echopattern. No mass lesion identified. The hepaticveins are clear and patent. PV patent. No dilated IHBR.**

Gall bladder is well distended and shows no obvious abnormality. Common bile duct is not dilated.

Pancreas shows no obvious abnormality. Tail obscured.  
Spleen is normal size and echopattern.

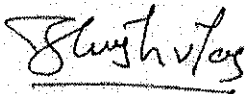
Both kidneys are normal in shape and position. Normal echogenicity and cortico medullary differentiation is noted. No hydronephrosis or mass lesion seen. **Tiny concretions are seen in both kidneys.**

No ascites.

**COMMENT:**

- **Grade-I Fatty liver.**
- **Bilateral tiny renal concretions.**

*Kindly correlate clinically*



**Dr. Harsh Sanjay Vyas,**  
Consultant Radiologist



Patient No. : 23225721      Report Date : 13/01/2024  
Request No. : 190097344      13/01/2024 8.36 AM  
Patient Name : Mr. VIVEK KUMAR SINGH  
Gender / Age : Male / 31 Years 11 Months 17 Days

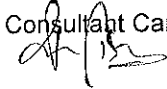
### Echo Doppler Screening

MITRAL VALVE : NORMAL  
AORTIC VALVE : TRILEAFLET, NORMAL  
TRICUSPID VALVE : NORMAL, NO TR, NO PAH  
PULMONARY VALVE : NORMAL  
LEFT ATRIUM : NORMAL  
AORTA : NORMAL  
LEFT VENTRICLE : NORMAL, NO REGIONAL WALL MOTION ABNORMALITY,  
LVEF=60-65%  
RIGHT ATRIUM : NORMAL  
RIGHT VENTRICLE : NORMAL  
I.V.S. : INTACT  
I.A.S. : INTACT  
PULMONARY ARTERY : NORMAL  
PERICARDIUM : NORMAL  
COLOUR/DOPPLER FLOW MAPPING : NO LV diastolic dysfunction,  
NO AR, MR, TR, NO PAH

### FINAL CONCLUSION:

1. ALL CARDIAC CHAMBERS ARE NORMAL IN DIMENSIONS
2. NO REGIONAL WALL MOTION ABNORMALITY AT REST
3. NORMAL LV SYSTOLIC FUNCTION, LVEF=60-65%
4. NORMAL VALVES
5. NO LV DIASTOLIC DYSFUNCTION
6. NO AR, MR, TR, NO PULMONARY HYPERTENSION , ( IVC COLLAPSING )
7. NO PERICARDIAL EFFUSION, CLOT VEGETATION.

Dr.KILLOL KANERIA MD, DM  
Consultant Cardiologist





Name: MR. Vivek Kumar Singh  
Patient ID: EGU/23225721

13:01:2024 08:51:52  
Standard 12-lead

BHAJAL AMIN GENERAL HOSPITAL

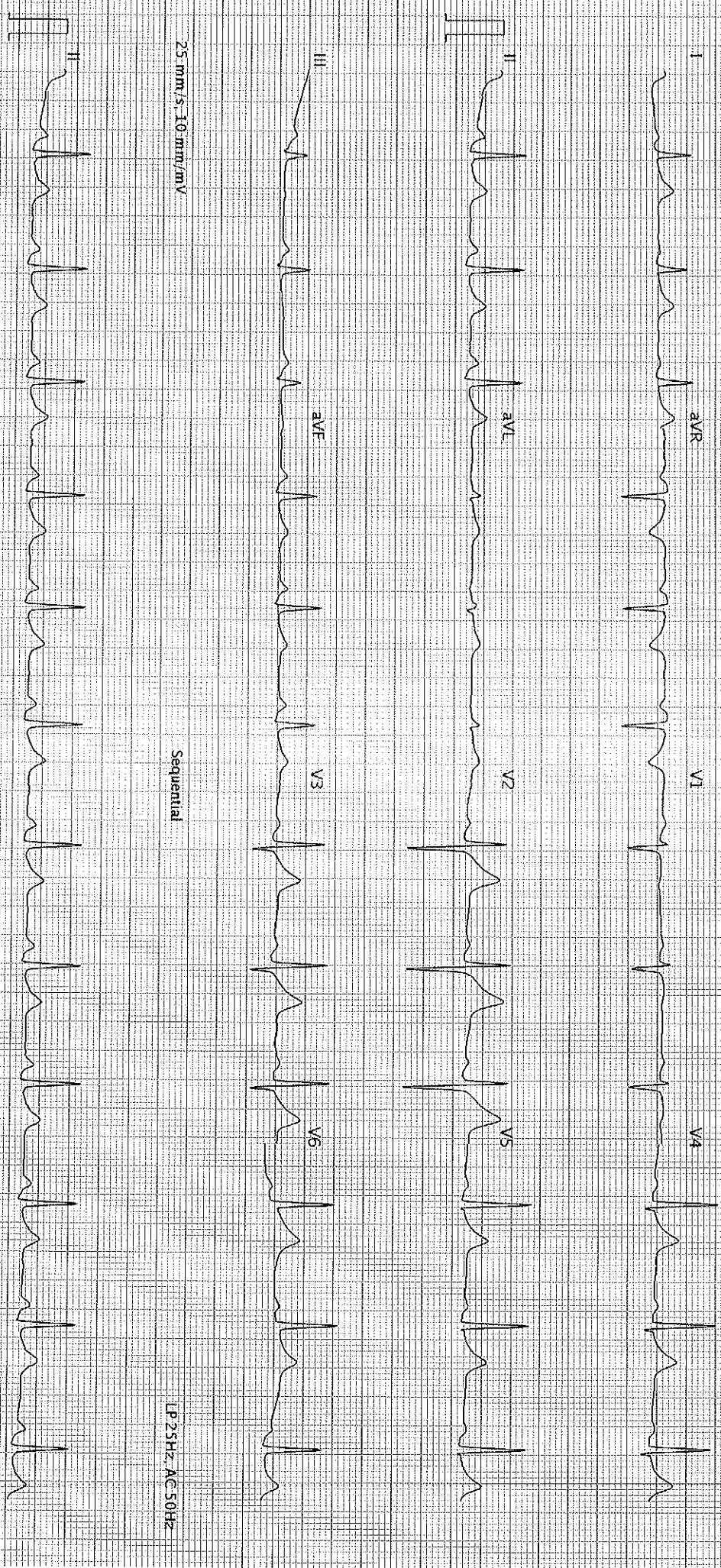
Age: Ref. phys.  
Gender: Male

Paremaker: Unknown

HR	73 bpm	RR	81.8 ms
P axis	64°	PR	133 ms
QRS axis	43°	QRS	82 ms
T axis	26°	QT/QTc	383 ms / 423 ms

Unconfirmed report

Remark:



25 mm/s, 10 mm/mV  
AT-102-CZ-1-2-0 (1080-011030)

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SCHILLER

Part No. 2.157048M

€ 0123

S.8D

LP 25Hz AC 50Hz

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