



S.V. SCIENTIFIC PATHOLOGY

DR. SHIKHA VYAS

D.C.P. (PATH.)

R.NO. 52957/ 17.08.2006

Bal. 2380

A ISO 9001: 2015 Certified Lab

Date	16/03/2022	Srl No.	109	Sex	M
Name	MR. SHAILENDRA KUMAR AGRAWAL	Age	58 Yrs.	OUT SIDE SAMPLE	
Ref. By	BOB				

Investigation Name	Result Value	Unit	Biomedical Ref Range
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HAEMATOLOGY - TEST REPORT

C . B . C

HAEMOGLOBIN (HB)	14.6	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTIC COUNT (TLC)	7,400	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	65	%	40 - 80
LYMPHOCYTE	30	%	20 - 40
EOSINOPHIL	03	%	1 - 6
MONOCYTE	02	%	2 - 10
R B C	5.04	millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	41.2	%	40.0 - 50.0
M C V	81.7	fl.	82.0 - 101.0
M C H	29.0	picogram	27.0 - 32.0
M C H C	35.4	gm/dl	31.5 - 34.5
PLATELET COUNT	370	$\times 10^9/\mu\text{L}$	150 - 450
MEAN PLATELET VOLUME	8.76	fl	7.5 - 11.5
RDW-CV	14.6	%	11.5 - 14.5
ERYTHROCYTE SED.RATE(WGN) Automated Mini ESR	04	mm/1st hr.	0.00 - 15.0
HbA1C (GLYCOSYLATED Hb)	6.52	%	

METHOD: HIGH PERFORMANCE LIQUID CHROMATOGRAPHY. (HPLC)
(BIO-RAD DIASTAT)

EXPECTED VALUES :-

Metabolically healthy patients =	4.8 - 6.0 % HbA1C
Good Control =	5.5 - 6.8 % HbA1C
Fair Control =	6.8-8.2 % HbA1C

Contd...2



All Tests have Technical Limitations. Collaborative clinicopathological interpretation is mandatory. In Case of disparity Test may be repeated immediately. Test marked with an (*) are not accredited by NABL.

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Investigation Name	Result Value	Unit	Biomedical Ref Range
Poor Control	=	>8.2 % HbA1C	
HbA1C ESTIMATED AVERAGE GLUCOSE (eAG)	139.7		65.00 - 135.00

REMARKS:-

In vitro quantitative determination of HbA1C in whole blood is utilized in long term monitoring of glycemia. The HbA1C level correlates with the mean glucose concentration prevailing in the course of the patient's recent history (approx - 6-8 weeks) and therefore provides much more reliable information for glycemia monitoring than do determinations of blood glucose or urinary glucose.

It is recommended that the determination of HbA1C be performed at intervals of 4-6 weeks during diabetes mellitus therapy. Results of HbA1C should be assessed in conjunction with the patient's medical history, clinical examinations and other findings.

Estimated average glucose (eAG) - There is a predictable relationship between HbA1c and eAG. It helps people with diabetes to correlate their A1c to daily glucose monitoring levels. It reflects the average glucose levels in the past 2-3 months. The eAG calculation converts the A1c percentage to the same units used by glucometers-mg/dl. The following table shows the relationship of eAG and A1c.

HbA1c (%)	eAG (mg/dL)
5	97
6	126
7	154
8	183
9	212
10	240
11	269
12	298

BLOOD GROUP ABO

"A"

RH TYPING

POSITIVE

The upper agglutination test for grouping has some limitations. For further confirmation Reverse typing card (Dia clon ABO / D) Method is suggested.



Contd...3

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BIOCHEMISTRY - TEST REPORT

BLOOD SUGAR FASTING	105.4	mg/dl	
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REFERENCE RANGE :

Normal	:	< 110
Impaired Glucose Tolerance	:	110 - 125
Diabetes Mellitus	:	≥126

CREATININE	1.03	mg/dl	0.70 - 1.30
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Neonates (premature): 0.29 - 1.04
 Neonates (Full term): 0.24 - 0.85
 2 - 12 Months : 0.17 - 0.42
 1 - <3 Yrs : 0.24 - 0.41
 3 - <5 Yrs : 0.31 - 0.47
 5 - <7 Yrs : 0.32 - 0.59
 7 - <9 Yrs : 0.40 - 0.60
 9 - <11 Yrs : 0.39 - 0.73
 11 - <13 Yrs : 0.53 - 0.79
 13 - <15 Yrs : 0.57 - 0.87

URIC ACID	4.58	mg/dl	3.4 - 7.20
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BLOOD UREA NITROGEN (BUN)	16.2	mg/dl	5.0 - 21.0
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LIPID PROFILE

SERUM CHOLESTEROL	156.8	mg/dl	
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Optimal	< 200	mg/dl
Border Line High Risk	200 - 239	mg/dl
High Risk	> 240	mg/dl

Contd...4



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Investigation Name	Result Value	Unit	Biomedical Ref Range
TRIGLYCERIDES	104.9	mg/dL	
Optimal	< 150	mg/dl	
Border Line High Risk	150 - 199	mg/dl	
High Risk	200 - 499	mg/dl	
Very High Risk	> 500	mg/dl	
H D L CHOLESTEROL(direct)	62.7		
	Male		Female
Optimal>	55 mg/dl		> 65 mg/dl
Border Line High Risk	35 - 55 mg/dl		45 - 65 mg/dl
High Risk	< 35 mg/dl		< 45 mg/dl
L D L CHOLESTEROL (DIRECT)	73.12	mg/dl	
Optimal	<100	mg/dl	
Near or Above Optimal	100 - 129	mg/dl	
Border Line High Risk	130 - 159	mg/dl	
High Risk	160 - 189	mg/dl	
Very High Risk	> 190	mg/dl	
VLDL	20.98	mg/dl	25.0 - 40.0
SERUM CHOLESTEROL/HDL RATIO	2.501		
LDL / HDL CHOLESTEROL RATIO	1.166		0.00 - 3.55

R.O. risk factor

Risk Factor of Coronary Heart Disease.

Positive Risk Factors

1. Age - Males >45 Yrs.

Females >55 Yrs. or premature menopause without estrogen replacement therapy.

2. Family history of premature coronary heart disease.

3. Cigarette smoking.

4. Hypertension (>140/90 mm Hg or on antihypertensive medication)

5. Low HDL Cholesterol <30 mg/dl

6. Diabetes mellitus

Negative Risk Factor

Contd...5



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Ref. By BOB OUT SIDE SAMPLE

Investigation Name	Result Value	Unit	Biomedical Ref Range
1. High HDL Cholesterol >60 mg/dl			

THYROID PROFILE

T3, T4, TSH

T3	1.14	ng/ml	0.87 - 1.78
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Adults (>15 yrs) : 0.87 - 1.78
New born : 0.75 - 2.60
1 - 5 Yrs : 1.00 - 2.60
5 - 10 Yrs : 0.90 - 2.40
10 - 15 Yrs : 0.80 - 2.10

T4 (Thyroxin)

T4 (Thyroxin)	9.50	ug/dl	6.00 - 12.00
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Adults : 6.00 - 12.00
1 - 3 days : 8.20 - 19.9
1 week : 6.00 - 15.9
1 - 12 month : 6.1 - 14.9
1 - 3 yrs : 6.80 - 13.5
3 - 10 yrs : 5.50 - 12.8
>10 Yrs : 6.00 - 12.00

TSH

TSH	8.61	µIU/ml	0.25 - 5.50
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Test	Reference Group	Age	Reference Range	Unit
TSH		Cord Blood	1.00 - 39.0	µIU/ml
		1-4 Week	1.70 - 9.10	µIU/ml
		1-12 Months	0.80 - 8.20	µIU/ml
		1-5 Years	0.70 - 5.70	µIU/ml
		6-10 Years	0.70 - 5.70	µIU/ml
		11-15 Years	0.70 - 5.70	µIU/ml
		16-20 Years	0.70 - 5.70	µIU/ml

The test has been carried out in Fully Automated Immunoassay System VIDAS using ELFA (Enzyme Linked Fluorescence Assay) technology.

Contd...6



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URINE EXAMINATION -TEST REPORT

PHYSICAL EXAMINATION

COLOUR	PALE YELLOW
TRANSPARENCY	CLEAR
SPECIFIC GRAVITY	1.015
pH	6.0

CHEMICAL EXAMINATION

ALBUMIN	NIL
REDUCING SUGAR	NIL
BILE SALTS	NEGATIVE
BILE PIGMENT	NEGATIVE
KETONE BODIES /ACETONE	NEGATIVE

MICROSCOPIC EXAMINATION

PUS CELLS	3-4	/HPF
EPITHELIAL CELLS	4-5	/HPF
RBC's	NIL	/HPF
CRYSTALS	NIL	
CASTS	NIL	
BACTERIA	NIL	
OTHERS	NIL	

**** Report Completed****



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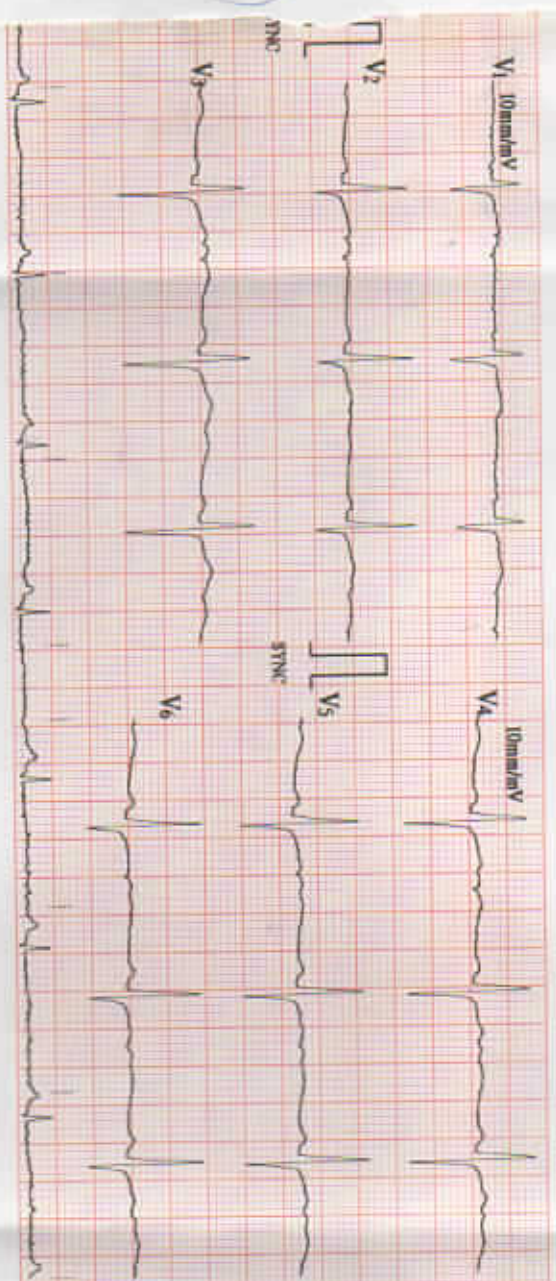


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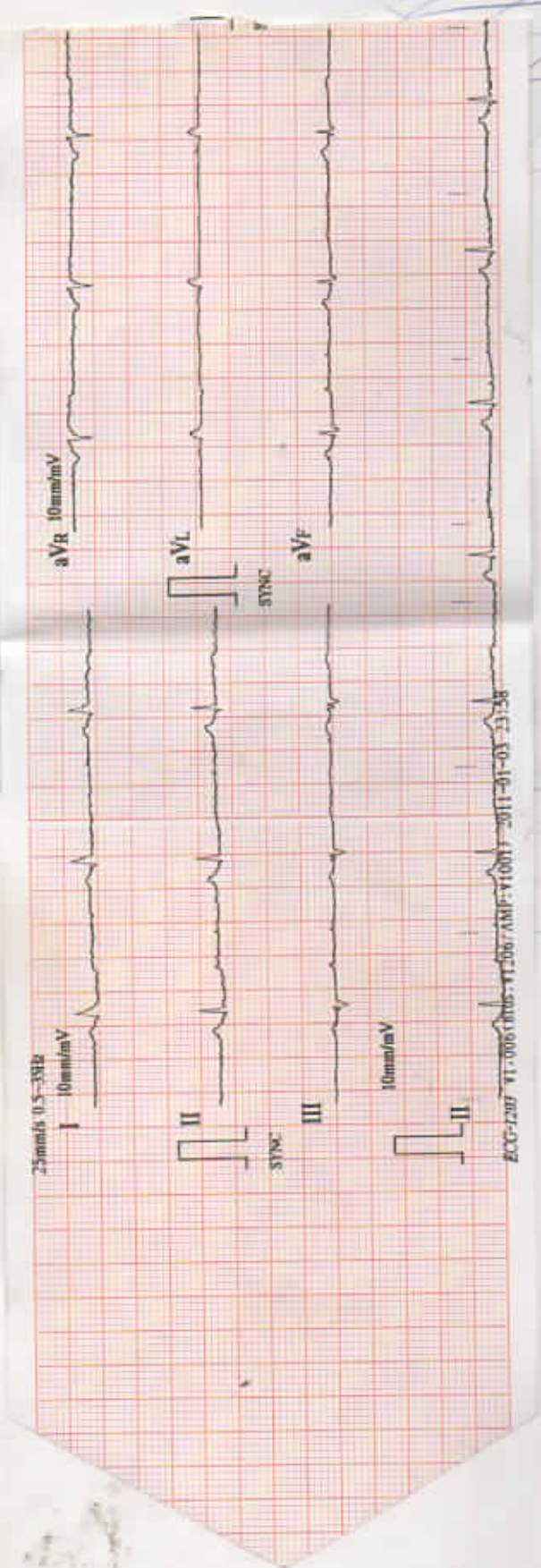


ID : 1515
 Name: *Shalendra Kumar*
 Sex : *Male*
 Age : *58 yrs.*

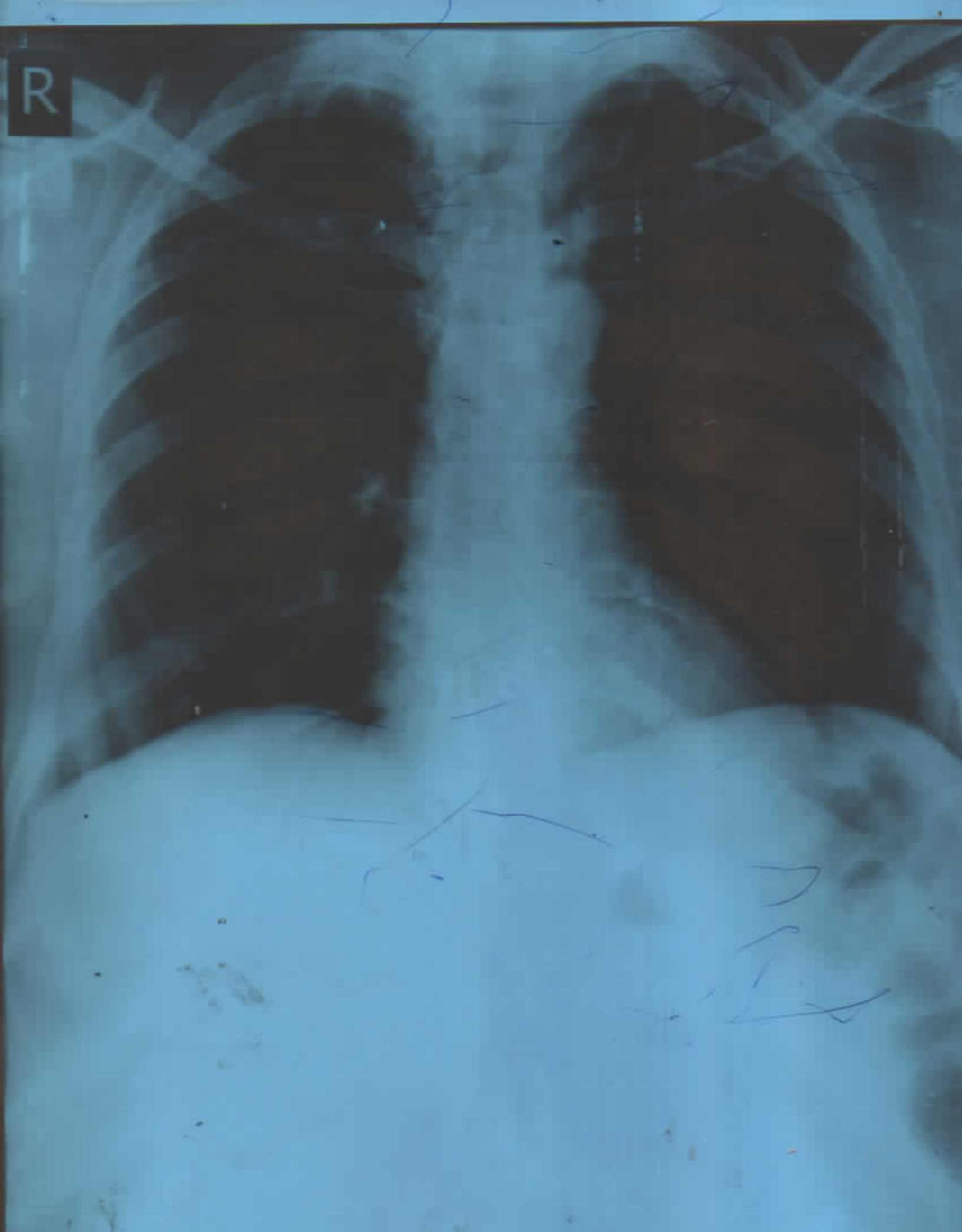
HR	: 65	beat
R-R	: 912	ms
P-R	: 142	ms
QRS	: 94	ms
QT/QTc	: 396/414	ms
P/QTST	: 51.2/81	ms
RV5/SVL	: 0.930/0.550	mV
RV5/SVL	: 1.480	mV

Sinus Rhythm
 Low Voltage (limb leads)
 T Abnormality (Flat T)
 Mild Left Axis Deviation

Unconfirmed report Verified by: _____



25mm/s 0.5mV
 10mm/mV
 10mm/mV



R

SHELENDRA 58Y Male

16/03/2022

Chest PA

BHARTI HOSPITAL SONKH ROAD, KRISHNA NAGAR, MATHURA