

**TRF ( TEST REQUISITION FROM )**

DATE:- 13/4/2024

NAME:- Vinod Kumar

DATE OF BIRTH:- 05/11/1994 EMAIL ID:- kaniskalmail@gmail.com

AGE:- 49 SEX:- M MOBILE NO:- 8920440822

FULL ADDRESS:- 210, Shri Ganesh laxmi vihar, Colaba  
Pune

BP: 108/71 HEIGHT(CM): \_\_\_\_\_ WEIGHT(KG): 72.9kg CHEST(CM): \_\_\_\_\_ WAIST(CM): \_\_\_\_\_

**Medical History** (it is important to inform your dentist about your systemic health and medications you take daily)

Blood Pressure:- No Diabetes:- No Thyroid:- \_\_\_\_\_ Allergies:- \_\_\_\_\_

Respiratory / Kidney / stomach issues:- \_\_\_\_\_

Cancer / HIV / AIDS:- \_\_\_\_\_ Habits:- \_\_\_\_\_

Heart/Other Surgery: \_\_\_\_\_ Any Other:- \_\_\_\_\_

Any Medications:- \_\_\_\_\_

Pregnancy / Breast Feeding Mother:- \_\_\_\_\_


  
PATIENT SIGN:-

Patient Name : VINOD KUMAR

Age / Gender : 49 Years / Male

Referral Doctor: MADYOSIS

Collection Date : 13/04/2024 10:18 AM

Pt.Type / ID : Direct/   
1574

Reporting Date : 15/04/2024 12:14 PM

**STOOL ANALYSIS REPORT**

Test Description	Value(s)	Unit	Reference Range
<b>Physical Examination</b>			
Colour	Brown		Brown
Mucus	Absent		Absent
Frank Blood	Absent		Absent
Consistency	Semi solid		Semi solid
Parasite	Absent		Absent
Reaction	Acidic		Acidic
Occult Blood	Negative		Negative
<b>Microscopic Examination (/hpf)</b>			
Ova of Parasites	Absent		Absent
RBC	Present		Absent
Pus cells	Absent		Absent
Macrophages	Absent		Absent
Fat Globules	Absent		Absent
Veg. Matter	Absent		Absent
Vegetative Forms	Absent		Absent
Cysts	Absent		Absent
Epithelial cells	Absent		Absent



**Dr. Rajashree Deshmukh**

MBBS MD ( Pathology)

Reg No. 2003010243



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**THYROID FUNCTION TEST ( TFT )**

Test Description	Value(s)	Unit	Reference Range
T3 (Triiodothyronine) CMIA	106.3	ng/ml	-
T4 (Thyroxine) CMIA	8.3	µg/ml	-
TSH -Thyroid Stimulating Hormone CMIA	2.9	µIU/mL	-

**Pregnancy & Cord Blood**

TSH (Thyroid Stimulating Hormone)	T4 (Thyroxine)	TSH (Thyroid Stimulating Hormone)
First Trimester : 81-190 ng/dL	15 to 40 weeks:9.1-14.0 µg/dL	First Trimester : 0.24-2.99 µIU/mL
Second&Third Trimester :100-260 ng/dL		Second Trimester: 0.46-2.95 µIU/mL
		Third Trimester : 0.43-2.78 µIU/mL
Cord Blood: 30-70 ng/dL	Cord Blood: 7.4-13.0 µg/dL	Cord Blood: : 2.3-13.2 µIU/mL

**Interpretation**

Thyroid gland is a butterfly-

shaped endocrine gland that is normally located in the lower front of the neck. The thyroid's job is to make thyroid hormones, which are secreted into the blood and then carried to every tissue in the body. Thyroid hormones help the body use energy, stay warm and keep the brain, heart, muscles, and other organs working as they should. Thyroid produces two major hormones: triiodothyronine (T3) and thyroxine (T4). If thyroid gland doesn't produce enough of these hormones, you may experience symptoms such as weight gain, lack of energy, and depression. This condition is called hypothyroidism. Thyroid gland produces too many hormones, you may experience weight loss, high levels of anxiety, tremors, and a sense of being on a high. This is called hyperthyroidism. TSH interacts with specific cell receptors on the thyroid cell surface and exerts two main actions. The first action is to stimulate cell reproduction and hypertrophy. Secondly, TSH stimulates the thyroid gland to synthesize and secrete T3 and T4. The ability to quantitate circulating levels of TSH is important in evaluating thyroid function. It is especially useful in the differential diagnosis of primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.



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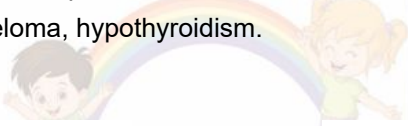
Reporting Date : 15/04/2024 12:15 PM

**ESR (ERYTHROCYTE SEDIMENTATION RATE)**

Test Description	Value(s)	Unit	Reference Range
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Erythrocyte Sedimentation Rate Wintrobe method	13.9	mm/hr	< 15
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**Interpretation:** It indicates presence and intensity of an inflammatory process. It is a prognostic test and used to monitor the course or response to treatment of diseases like tuberculosis, acute rheumatic fever,. It is also increased in multiple myeloma, hypothyroidism.




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**BLOOD GLUCOSE LEVEL ( FASTING )**

Test Description	Value(s)	Unit	Reference Range
Glucose Fasting	109.1	mg/dl	70 - 110
Glucose Urine	Absent		

Interpretation : Fasting Blood Sugar more than 126 mg/dl on more than one occasion can indicate Diabetes Mellitus.



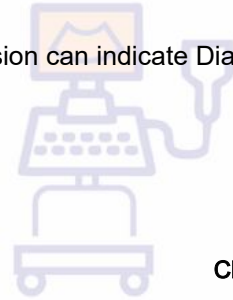
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**BLOOD GROUP**

Test Description	Value(s)	Unit	Reference Range
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Sample Type : WHOLE BLOOD EDTA

Blood Group : O Rh Positive

METHOD : Monoclonal blood grouping (Agglutination test) by slide method



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**BLOOD GLUCOSE LEVEL - PP ( POST PRANDIAL)**

Test Description	Value(s)	Unit	Reference Range
BSL POST PRANDIAL SUGAR	132.1	mg/dl	90 - 150
Glucose Urine	Absent		
Urine Ketone	Absent		

**Interpretation :** A postprandial glucose reading of 141-199 mg/dl indicates prediabetes. A postprandial reading over 200 mg/dl indicates diabetes.



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**URINE ROUTINE**

Test Description	Value(s)	Unit	Reference Range
<b>Physical Examination</b>			
Colour	Pale Yellow		Pale yellow/Yellow
Appearance	Clear		Clear
Specific Gravity	1.005		1.005-1.030
pH	Acidic		Acidic
Deposit	Absent		Absent
<b>Chemical Examination</b>			
Protein	Absent		Absent
Sugar	Absent		Absent
Ketones	Absent		Absent
Bile Salt	Absent		Absent
Bile Pigment	Absent		Absent
Urobilinogen	Normal		Normal
<b>Microscopic Examination (/hpf)</b>			
Pus Cell	Absent		Upto 5
Epithelial Cells	1-2		Upto 5
Red Blood Cells	Absent		Absent
Casts	Absent		Absent
Crystals	Absent		Absent
Bacteria	Absent		Absent



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**Reporting Date :** 15/04/2024 12:19 PM

### COMPLETE BLOOD COUNT

Test Description	Value(s)	Unit	Reference Range
Hemoglobin Photometric	14.5	gms/dl	11 - 16
Total Leucocyte Count (WBC) Electrical impedance	5.0	x 10 <sup>3</sup> /L	4.0 - 11.0
Total Erythrocyte Count (RBC) Electrical impedance	5.39	x 10 <sup>6</sup> /L	3.5 - 5.5
Platelet count Electrical impedance	270	x 10 <sup>3</sup> /L	150 - 450
MPV	11.6	fL	6.5 - 12
PCT Electrical Impedence	0.31	%	0.10 - 0.50
PDW	15.3	%	9 - 17
<b>RBC Indices</b>			
HCT (P.C.V.)	<b>49.5</b>	%	35 - 48
MCV	91.84	fL	82 - 95
MCH	26.90	pg	25 - 33
MCHC	<b>29.29</b>	gm/dl	33 - 37
RDW-CV	<b>16.4</b>	%	12 - 16
RDW-SD	<b>55.3</b>	fL	40 - 55
<b>Differential W.B.C. Count</b>			
Neutrophil	59.6	%	40 - 70
Lymphocytes	32.1	%	20 - 40
Eosinophil	2.7	%	1 - 6
Monocytes	5.5	%	2 - 8
Basophils	0.1	%	0 - 1
<b>Absolute Count</b>			
Absolute Neutrophil Count	2.98	x10 <sup>3</sup> /L	1.5 - 8.0
Absolute Lymphocyte Count	<b>1.60</b>	x 10 <sup>3</sup> /L	-
Absolute Eosinophil Count	<b>0.14</b>	x 10 <sup>3</sup> /L	-
Absolute Monocyte Count	<b>0.28</b>	x 10 <sup>3</sup> /L	-
Absolute Basophil Count	<b>0.01</b>	x 10 <sup>3</sup> /L	-

#### Peripheral Smear Findings

Abnormalities of Erythrocytes      Normocytic Normochromic  
Abnormalities of Leucocytes      Within Normal Limits  
Platelets on smear      Adequate on smear

**Test performed on fully automated 5 part differential cell counter.**




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**COMPLETE BLOOD COUNT**

Test Description	Value(s)	Unit	Reference Range
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**GLYCOSYLATED HAEMOGLOBIN ( GHb / HbA1c )**

Test Description	Value(s)	Unit	Reference Range
HbA1c H.P.L.C	6.5	%	Below 6.0% - Normal Value 6.0% - 7.0% - Good Control 7.0% - 8.0% - Fair Control 8.0% - 10% - Unsatisfactory Control Above 10% - Poor Control

**Interpretation:**

**Test Description:**

Glucose combines with Hb continuously and nearly irreversibly during the life span of RBC (120 days). Therefore, glycosylated Hb (GHb) will be proportional to mean plasma glucose level during previous 6- 12 weeks.

Normal range (ADA 2010 recommendations):

1. Less than 5.7%
- .2 5.7-6.4% increased risk for diabetes
- .3 Greater than 6.4% diabetic range

The formularecommendedotcalculateAeGsiAeGm(g/dL)=287 . xhemoglobinA1c-467.

**Test Interpretation:**

HbA1C test should be performed at least two times a year ni patients who are meeting treatment goals (and who have stable glycemic control). A1C test should be performed quarterly ni patients whose therapy haschanged or who are not meeting glycemic goals. Lowering A1C ot below or around %7 has been shown ot reduce microvascular and neuropathic complications of type 1and type diabetes

**HbA1C increased in:**

- Chronic renal failure with or without hemodialysis.
- Iron deficiency anemia.
- Splenectomy.
- Increased serum triglycerides.
- Alcohol ingestion.
- Lead and opiate toxicity.
- Salicylate treatment.

**HbA1C decreased in:**

- Shortened RBC life span (e.g., hemolytic anemias, blood loss)
- Folowing transfusions
- Pregnancy
- Ingestion of large amounts (Greater than 1g/day) of vitamin Cor vitamin E
- Hemoglobinopathies (e.g., spherocytes), which produce variable increase or decrease depending on asay method.

**Reflex Test:** CBC, C-peptide, Insulin Fasting, GGT, Lipid Profile, Urinary microalbumin.

**References:** Wallach's Interpretation of Diagnostic Tests TENTH EDITION



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**LIPID PROFILE**

Test Description	Value(s)	Unit	Reference Range
Total Cholesterol	156.4	mg/dl	Low < 125 Desirable : < 200 Borderline High : 201 - 240 High : > 240
Triglycerides	137.9	mg/dl	Low < 25 Normal : < 150 Borderline High : 151 - 199 High : 200
HDL Cholesterol	38.6	mg/dl	< 35 Low 80 High
Non HDL Cholesterol	117.80	mg/dl	Desirable : < 130 Boderline high : 130 - 159 High : 160
LDL Cholesterol	90.22	mg/dl	Low < 85 Optimal : <100 Near/Above Optimal : 101 - 129 Borderline High : 130 - 159 High : 160
VLDL Cholesterol	27.58	mg/dl	Below 40
TOTAL CHOL/HDL Ratio	4.05	-	Desirable/Low Risk : 3.3 - 4.4 Borderline/Middle Risk : 4.5 - 7.1 Elevated/High Risk : 7.2 - 11.0
LDL/HDL Ratio	2.34	-	Desirable/Low Risk : 0.5 - 3.0 Borderline/Middle Risk : 3.1 - 6.0 Elevated/High Risk : >6.1
Appearance of Serum	Clear		



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**LIVER FUNCTION TEST ( LFT )**

Test Description	Value(s)	Unit	Reference Range
Bilirubin Total	0.6	mg/dL	0.2 - 1.2
Bilirubin Direct	0.1	mg/dL	0.0 - 0.3
Bilirubin Indirect	0.50	mg/dL	0.2 - 0.9
SGOT (AST)	31.1	U/L	0 - 45
Alkaline Phosphatase	<b>165.3</b>	U/L	80 - 360
Protein Total	6.8	g/dL	6.0 - 8.3
Albumin	3.9	g/dL	3.2 - 5.0
Globulin	2.90	g/dL	2.5 - 3.3
A/G Ratio	1.34	-	1.0 - 2.1



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**RENAL FUNCTION TEST**

Test Description	Value(s)	Unit	Reference Range
Serum Urea	15.2	mg/dl	13 - 45
Serum Creatinine	1.2	mg/dl	-
Serum Uric acid	4.9	mg/dl	3.6 - 7.2
Serum Sodium	139.4	mmol/L	135 - 155
Serum Potassium	4.6	mmol/L	3.5 - 5.5
Serum Chloride	102.4	mEq/L	98 - 107



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**Free PROSTATE SPECIFIC ANTIGEN (Free PSA )**

Test Description	Value(s)	Unit	Reference Range
PSA (Prostate - Specific Antigen)	0.3	ng/mL	0.0-0.5

**Interpretation & Remarks:**

- Normal results do not eliminate the possibility of prostate cancer.
- Values obtained with different assay methods or kits may be different and cannot be used interchangeably.
- Tumor markers are not specific for malignancy. Test results cannot be interpreted as absolute evidence for the presence or absence of malignant disease.
- Specimens drawn from patients undergoing prostate manipulation, especially needle biopsy and transurethral specimens are drawn before these procedures are performed.
- The percentage of free PSA can be used to estimate how likely it is that a biopsy will show cancer.
- If the percentage of free PSA is higher than 25%, the likelihood of prostate cancer is about 8%.
- If the percentage of free PSA is less than 10%, then the likelihood of prostate cancer rises to 56%.



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**X - RAY OF CHEST PA VIEW**

**X-RAY CHEST PA VIEW**

**TECHNIQUE** :- 1 view obtained.

**FINDINGS** :-

The lung on the either side show equal translucency.

The peripheral pulmonary vasculature is normal.

No focal lung lesion is seen.

Bilateral CP angles are normal.

Both hila are normal in size, have equal density and bear normal relationship.

The heart and trachea are central in position and no mediastinal abnormality is visible.

The cardiac size is normal.

The domes of the diaphragms are normal in position, and show smooth outline.

**IMPRESSION** :- No significant abnormality detected

**ADVICE** :- Clinical correlation and follow uP.

\*\*END OF REPORT\*\*



**Dr. PRATIBHA GAWANDE**  
CONSULTANT RADIOLOGIST



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<b>Patient Name:</b>	Mr. Vinod Kumar	<b>Age/Sex :</b>	49 Yrs / M
<b>Ref Doctor :</b>	Madyosis	<b>Date:</b>	13-04-2023

## ULTRASOUND ABDOMEN & PELVIS

**Sub optimal evaluation due to excessive bowel gases.**

**Liver** is **normal in size** and shows **raised** echogenicity. No evidence of focal lesion. No IHBR dilatation. Portal vein and common bile duct appear normal in course and caliber.

**Gall bladder** Well distended and shows normal wall thickness. No evidence of any calculi, sludge or polyp. CBD is normal.

**Pancreas** Visualized regions appear normal in size and echotexture.

**Spleen:** - It is normal in size and echotexture. No focal lesion seen.

**Right kidney** normal in size, shape and echotexture. Corticomedullary differentiation is maintained. No hydronephrosis / hydroureter is noted.

**Left kidney** normal in size, shape and echotexture. Corticomedullary differentiation is maintained. No hydronephrosis / hydroureter is noted.

**Urinary bladder** Is well distended and shows normal wall thickness.

**Prostate** is normal in size, measures 3.7 x 3.5 x 3.9 cm, volume (28 CC). **Foci of calcification are seen within.**

Bowel loops appear normal and show normal peristalsis.

No evidence of abdominal lymphadenopathy/free fluid in abdomen and pelvis.

**IMPRESSION: USG abdomen and pelvis study reveals,**

- **Grade I fatty liver.**



**Dr. Pratibha Gawande.**  
**Consultant Radiologist.**

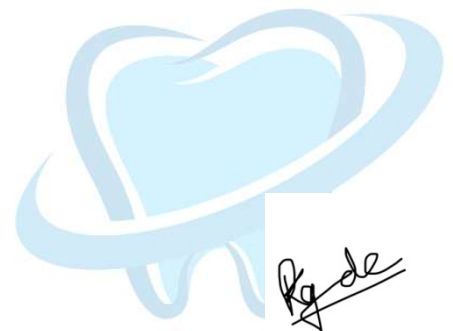
<b>Patient Name:</b>	Mr. Vinod Kumar	<b>Age/Sex :</b>	49 Yrs / M
<b>Ref Doctor :</b>	Madyosis	<b>Date:</b>	13-04-2023

**2D ECHO / COLOUR DOPPLER**

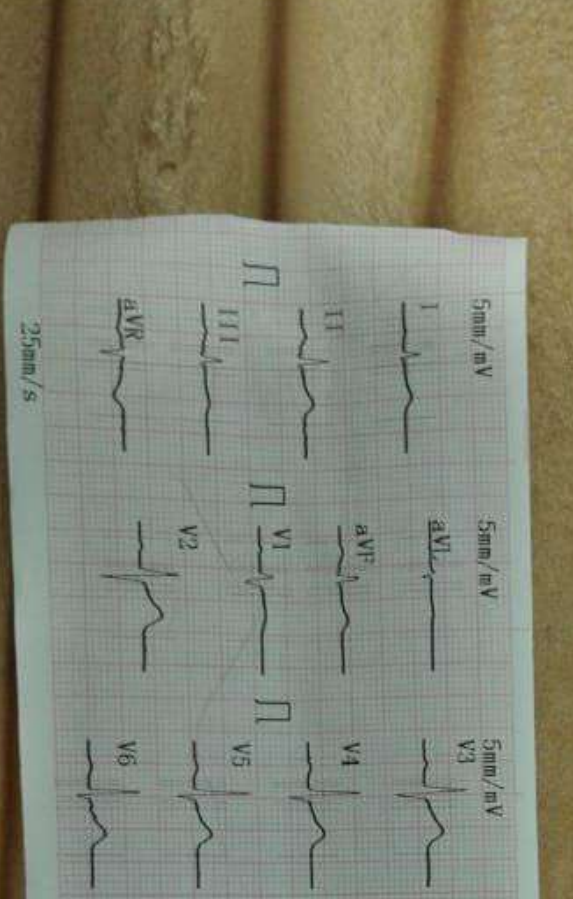
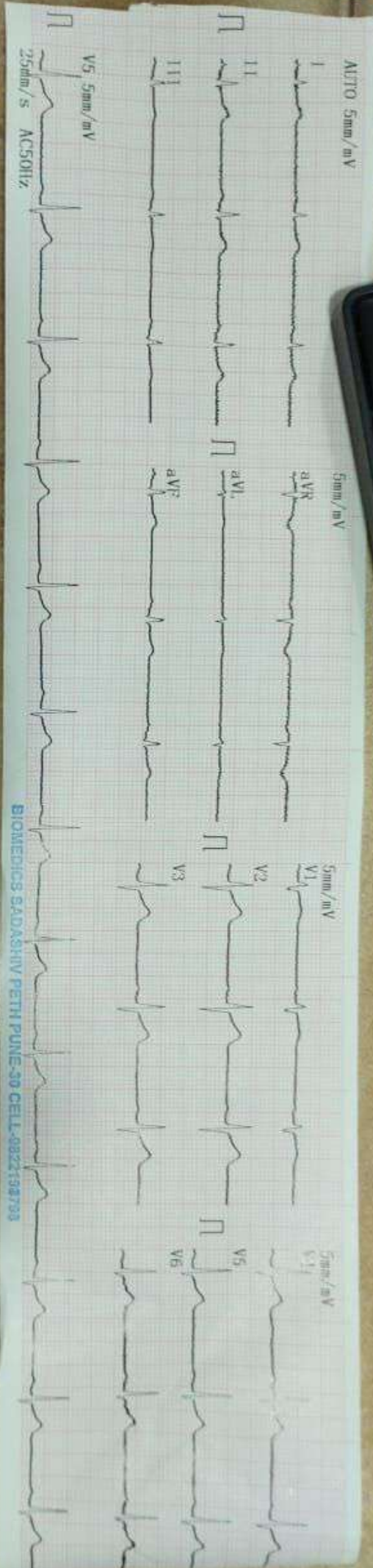
Ao (Cm)	2.5	LVIDd (Cm)	4.0
LA (Cm)	3.7	LVIDs (Cm)	3.2
IVSd (Cm)	1.3	LVEF (%)	60%
PWd (Cm)	0.9		

**REPORT:**

**No regional wall motion abnormality**  
**Normal size cardiac chambers,**  
**Normal LV systolic function, LVEF – 60%**  
**No diastolic dysfunction.**  
**NO MR / NO TR**  
**Normal cardiac valves,**  
**Intact IAS and IVS.**  
**No clot, vegetations, pericardial effusion noted.**  
**No e/o coarctation of aorta.**



**Dr. Pratibha Gawande.**  
**Consultant Radiologist.**



KABIR KIDS CLINIC AND DIAGNOSTIC << Conclusions >>  
 ID: 1970-03-11 23:32  
 Name: **Vinod kumar** Sinus mode bradycardia  
 Sex: Age: **49** Cardiac electric axis normal  
 Height: cm Weight: kg \*\*\*Report need physician confirm\*\*\*  
 SYS: mmHg  
 DIA: mmHg  
 HR bpm :59  
 PR Interval ms :182  
 P Duration ms :152  
 QRS Duration ms :95  
 T Duration ms :282  
 QT/QTc ms :420/416  
 P/QRS/T Axis deg :59.5/58.2/50.4  
 R(V5)/S(V1) mV :1.65/0.49  
 R(V5) S(V1) mV :1.65/0.49

25mm/s

BIOMEDICS SADASHIV PETH PUNE-30 CELL-9822198793

PHYSICIAN 98793



VINOD KUMAR AGE-49/M