

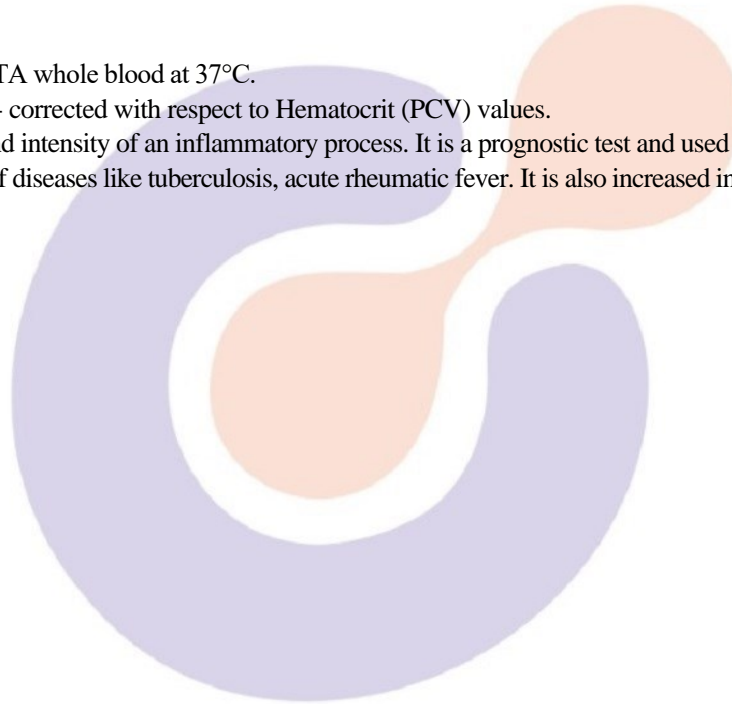
Patient Name : Mr.VISHNU	Visit No : CHA250043149
Age/Gender : 13 Y/M	Registration ON : 10/Mar/2025 02: 12PM
<b>Lab No : 10140444</b>	Sample Collected ON : 10/Mar/2025 02: 15PM
Referred By : Dr.KK MISHRA	Sample Received ON : 10/Mar/2025 02: 42PM
Refer Lab/Hosp : CHARAK NA	Report Generated ON : 10/Mar/2025 04: 02PM
Doctor Advice : ECG,LFT,ESR,CBC (WHOLE BLOOD),2D ECHO	



Test Name	Result	Unit	Bio. Ref. Range	Method
<b>ESR</b>				
Erythrocyte Sedimentation Rate ESR	9.00		0 - 15	Westergreen

**Note:**

1. Test conducted on EDTA whole blood at 37°C.
2. ESR readings are auto- corrected with respect to Hematocrit (PCV) values.
3. 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.



**CHARAK**

[Checked By]

Print.Date/Time: 10-03-2025 18:12:18

\*Patient Identity Has Not Been Verified. Not For Medicolegal



DR. NISHANT SHARMA  
PATHOLOGIST

DR. SHADAB  
PATHOLOGIST

  
DR. ADITI D AGARWAL  
PATHOLOGIST

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Test Name	Result	Unit	Bio. Ref. Range	Method
<b>CBC (COMPLETE BLOOD COUNT)</b>				
Hb	13.8	g/dl	11 - 15	Non Cyanide
R.B.C. COUNT	<b>5.90</b>	mil/cmm	4 - 5.1	Electrical Impedence
PCV	<b>44.2</b>	%	31 - 43	Pulse hieght detection
MCV	<b>75.0</b>	fL	76 - 87	calculated
MCH	<b>23.4</b>	pg	26 - 28	Calculated
MCHC	<b>31.2</b>	g/dL	33 - 35	Calculated
RDW	<b>16.5</b>	%	11 - 15	RBC histogram derivation
RETIC	0.7 %	%	0.5 - 2.5	Microscopy
TOTAL LEUCOCYTES COUNT	<b>13870</b>	/cmm	4500 - 13500	Flocytrometry
<b>DIFFERENTIAL LEUCOCYTE COUNT</b>				
NEUTROPHIL	<b>72</b>	%	40 - 70	Flowcytometry
LYMPHOCYTES	<b>23</b>	%	30 - 50	Flowcytometry
EOSINOPHIL	2	%	1 - 6	Flowcytometry
MONOCYTE	3	%	0 - 8	Flowcytometry
BASOPHIL	<b>0</b>	%	00 - 01	Flowcytometry
PLATELET COUNT	328,000	/cmm	150000 - 450000	Elect Imped..
PLATELET COUNT (MANUAL)	328000	/cmm	150000 - 450000	Microscopy .
Absolute Neutrophils Count	<b>9,986</b>	/cmm	2000 - 7000	Calculated
Absolute Lymphocytes Count	3,190	/cmm	1000-3000	Calculated
Absolute Eosinophils Count	277	/cmm	20-500	Calculated
Absolute Monocytes Count	416	/cmm	200-1000	Calculated
Mentzer Index	13			
Peripheral Blood Picture	:			

Red blood cells are normocytic normochromic.WBCs show neutrophilic leucocytosis.Platelets are adequate. No immature cells or parasite seen.



[Checked By]



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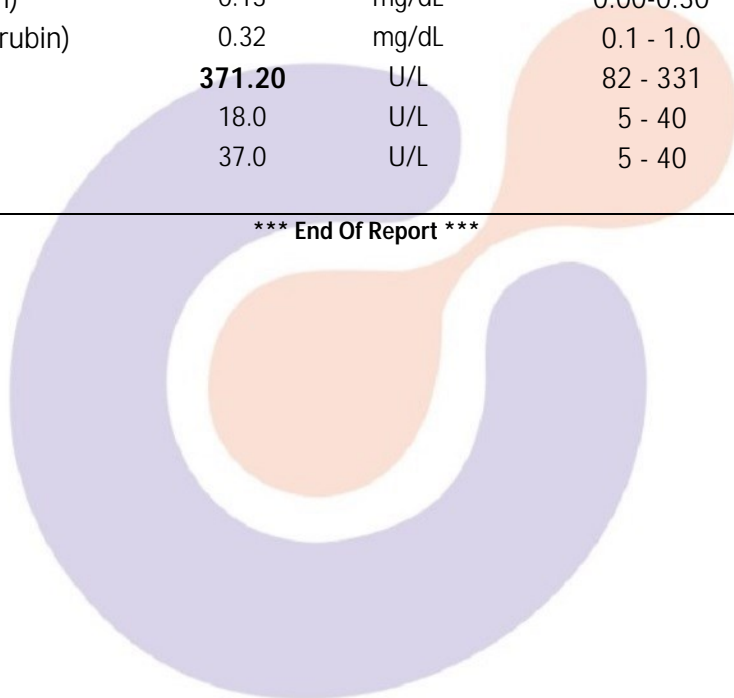
*Aditi D Agarwal*  
DR. ADITI D AGARWAL  
PATHOLOGIST

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Test Name	Result	Unit	Bio. Ref. Range	Method
<b>LIVER FUNCTION TEST</b>				
TOTAL BILIRUBIN	0.45	mg/dl	0.4 - 1.1	Diazonium Ion
CONJUGATED ( D. Bilirubin)	0.13	mg/dL	0.00-0.30	Diazotization
UNCONJUGATED ( I.D. Bilirubin)	0.32	mg/dL	0.1 - 1.0	Calculated
ALK PHOS	<b>371.20</b>	U/L	82 - 331	PNPP, AMP Buffer
SGPT	18.0	U/L	5 - 40	UV without P5P
SGOT	37.0	U/L	5 - 40	UV without P5P

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



CHARAK



[Checked By]



DR. NISHANT SHARMA  
PATHOLOGIST

DR. SHADAB  
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*Dr. Aditi D Agarwal*  
DR. ADITI D AGARWAL  
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### **ECG -REPORT**

RATE : 81 bpm

\* RHYTHM : Normal

\* P wave : Normal

\* PR interval : Normal

\* QRS Axis : Normal

Duration : Normal

Configuration : Normal

\* ST-T Changes : None

\* QT interval :

\* QTc interval : Sec.

\* Other :

**OPINION: ECG WITH IN NORMAL LIMITS**  
(FINDING TO BE CORRELATED CLINICALLY )

**[DR. PANKAJ RASTOGI, MD, DM]**



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### 2D- ECHO & COLOR DOPPLER REPORT

1. **MITRAL VALVE STUDY** : MVOA - Normal (perimetry) cm<sup>2</sup> (PHT)

**Anterior Mitral Leaflet:**

- (a) **Motion**: Normal                      (b) **Thickness** : Normal                      (c) **DE** :2.1 cm.  
 (d) **EF** 63 mm/sec                      (e) **EPSS** : 06 mm                      (f) **Vegetation** : -  
 (g) **Calcium** : -

**Posterior mitral leaflet** : Normal

- (a). **Motion** : Normal                      (b) **Calcium**: -                      (c) **Vegetation** : -

**Valve Score** : Mobility /4      Thickness /4      SVA /4  
 Calcium /4      Total /16

2. **AORTIC VALVE STUDY**

- (a) **Aortic root** :2.4cms      (b) **Aortic Opening** :1.7cms      (c) **Closure**: Central  
 (d) **Calcium** : -                      (e) **Eccentricity Index** : 1                      (f) **Vegetation** : -

(g) **Valve Structure** : Tricuspid,

3. **PULMONARY VALVE STUDY** Normal

- (a) **EF Slope** : -                      (b) **A Wave** : +                      (c) **MSN** : -

(D) **Thickness** :                      (e) **Others** :

4. **TRICUSPID VALVE** : Normal

5. **SEPTAL AORTIC CONTINUITY**      6. **AORTIC MITRAL CONTINUITY**

**Left Atrium** : 2.5 cms                      **Clot** : -                      **Others** :  
**Right Atrium** : Normal                      **Clot** : -                      **Others** : -

Contd.....



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VENTRICLES

**RIGHT VENTRICLE** : Normal

**RVD (D)**  
**RVOT**

**LEFT VENTRICLE** :

**LVIVS (D)** 0.6 cm (s) 1.2 cm

**Motion** : normal

**LVPW (D)** 0.6cm (s) 1.1cm

**Motion** : Normal

**LVID (D)** 4.5 cm (s) 2.5 cm

**Ejection Fraction** :75%

**Fractional Shortening** : 44 %

*TOMOGRAPHIC VIEWS*

**Parasternal Long axis view** :

NORMAL LV RV DIMENSION  
GOOD LV CONTRACTILITY.

**Short axis view**

**Aortic valve level** :

AOV - NORMAL  
**PV - NORMAL**  
TV - NORMAL

MV - THICKENED

**Mitral valve level** :

**Papillary Muscle Level** : NO RWMA

**Apical 4 chamber View** : No LV CLOT



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**PERICARDIUM**

Normal

**DOPPLER STUDIES**

	Velocity (m/sec)	Flow pattern ( /4)	Regurgitation	Gradient (mm Hg)	Valve area (cm 2)
MITRAL	e = 1.2 a = 0.6	Normal	1	-	-
AORTIC	1.3	Normal	-	-	-
TRICUSPID	0.4	Normal	1	-	-
PULMONARY	1.0	Normal	-	-	-

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

GR I/IV MR, jet area 3.1 cm2  
GR I/IV TR

**CONCLUSIONS :**

- NORMAL LV RV DIMENSION
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 75 %
- NO RWMA
- MV - THICKENED
- MILD MR
- MILD TR
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

**OPINION – RHD - MILD MR WITH MILD TR**

**DR. RAJIV RASTOGI, MD,DM**

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

