

Patient Name : Ms. VAISHALI	Visit No : CHA250039217
Age/Gender : 27 Y/F	Registration ON : 04/Mar/2025 05: 56PM
<b>Lab No : 10136512</b>	Sample Collected ON : 04/Mar/2025 05: 58PM
Referred By : Dr. RAJIV RASTOGI	Sample Received ON : 04/Mar/2025 06: 42PM
Refer Lab/Hosp : CHARAK NA	Report Generated ON : 04/Mar/2025 08: 31PM
Doctor Advice : T3T4TSH,NA+K+,CREATININE,RANDOM,CBC (WHOLE BLOOD),2D ECHO	



Test Name	Result	Unit	Bio. Ref. Range	Method
<b>CBC (COMPLETE BLOOD COUNT)</b>				
Hb	12.1	g/dl	12 - 15	Non Cyanide
R.B.C. COUNT	<b>4.90</b>	mil/cmm	3.8 - 4.8	Electrical Impedence
PCV	<b>35.2</b>	%	36 - 45	Pulse hieght detection
MCV	<b>71.4</b>	fL	80 - 96	calculated
MCH	<b>24.5</b>	pg	27 - 33	Calculated
MCHC	34.3	g/dL	30 - 36	Calculated
RDW	13.4	%	11 - 15	RBC histogram derivation
RETIC	1.0 %	%	0.5 - 2.5	Microscopy
TOTAL LEUCOCYTES COUNT	9400	/cmm	4000 - 10000	Flocytometry
<b>DIFFERENTIAL LEUCOCYTE COUNT</b>				
NEUTROPHIL	<b>78</b>	%	40 - 75	Flowcytometry
LYMPHOCYTES	<b>15</b>	%	25 - 45	Flowcytometry
EOSINOPHIL	02	%	1 - 6	Flowcytometry
MONOCYTE	05	%	2 - 10	Flowcytometry
BASOPHIL	<b>00</b>	%	00 - 01	Flowcytometry
PLATELET COUNT	301,000	/cmm	150000 - 450000	Elect Imped..
PLATELET COUNT (MANUAL)	301000	/cmm	150000 - 450000	Microscopy .
Absolute Neutrophils Count	<b>7,332</b>	/cmm	2000 - 7000	Calculated
Absolute Lymphocytes Count	1,410	/cmm	1000-3000	Calculated
Absolute Eosinophils Count	188	/cmm	20-500	Calculated
Absolute Monocytes Count	470	/cmm	200-1000	Calculated
Mentzer Index	15			
Peripheral Blood Picture	:			

Red blood cells are normocytic normochromic with microcytic hypochromic. WBCs show mild neutrophilia. Platelets are adequate. No immature cells or parasite seen.



[Checked By]



*Shadab Khan*

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Referred By : Dr. RAJIV RASTOGI Sample Received ON : 04/Mar/2025 06: 15PM  
Refer Lab/Hosp : CHARAK NA Report Generated ON : 04/Mar/2025 06: 53PM  
Doctor Advice : T3T4TSH,NA+K+,CREATININE,RANDOM,CBC (WHOLE BLOOD),2D ECHO



Test Name	Result	Unit	Bio. Ref. Range	Method
<b>BLOOD SUGAR RANDOM</b>				
BLOOD SUGAR RANDOM	94.5	mg/dl	70 - 170	Hexokinase
<b>NA+K+</b>				
SODIUM Serum	136.0	MEq/L	135 - 155	ISE Direct
POTASSIUM Serum	4.7	MEq/L	3.5 - 5.5	ISE Direct
<b>SERUM CREATININE</b>				
CREATININE	0.60	mg/dl	0.50 - 1.40	Alkaline picrate-kinetic

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

CHARAK



[Checked By]



MC-2491

Print.Date/Time: 04-03-2025 21:07:06

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

*Shadab Khan*

DR. NISHANT SHARMA  
PATHOLOGIST

DR. SHADABKHAN  
PATHOLOGIST

Dr. SYED SAIF AHMAD  
MD (MICROBIOLOGY)

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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** :1.7 cm.  
 (d) **EF** 87 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** :1.8cms      (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)** 0.7 cm (s) 1.4 cm

**Motion** : normal

**LVPW (D)** 0.7cm (s) 1.3 cm

**Motion** : Normal

**LVID (D)** 4.8 cm (s) 2.9 cm

**Ejection Fraction** :68%

**Fractional Shortening** : 38 %

*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

**Mitral valve level** :

MV - NORMAL

**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 = 0.8 a = 0.7	Normal	-	-	-
AORTIC	1.4	Normal	-	-	-
TRICUSPID	0.5	Normal	-	-	-
PULMONARY	1.2	Normal	-	-	-

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

**NO REGURGITATION OR TURBULENCE ACROSS ANY VALVE**

**CONCLUSIONS :**

- NORMAL LV RV DIMENSION
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 68 %
- NO RWMA
- ALL VALVES NORMAL
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

**OPINION – NORMAL 2D-ECHO & COLOUR DOPPLER STUDY**

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

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

