

Patient Name	: Mr.ARMAN	Visit No	: CHA250040548
Age/Gender	: 15 Y/M	Registration ON	: 06/Mar/2025 01:18PM
<b>Lab No</b>	<b>: 10137843</b>	Sample Collected ON	: 06/Mar/2025 01:18PM
Referred By	: Dr.MOHD MUBASHIR	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 06/Mar/2025 04:20PM

**2D- ECHO & COLOR DOPPLER REPORT**

1. MITRAL VALVE STUDY : MVOA - Normal (perimetry) cm2 (PHT)

**Anterior Mitral Leaflet:**

- (a) Motion: Normal (b) Thickness : Normal (c) DE : 1.6 cm.  
(d) EF 89 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 :2.3cms (b) Aortic Opening :1.5cms (c) Closure: Central  
(d) Calcium : - (e) Eccentricity Index : 1 (f) Vegetation : -  
(g) Valve Structure : Tricuspid, Normal

3. PULMONARY VALVE STUDY

- (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 : 2.1 cms Clot : - Others :  
Right Atrium : Normal Clot : - Others : -

Contd.....



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VENTRICLES

**RIGHT VENTRICLE** : Normal

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

**LEFT VENTRICLE** :

**LVIVS (D)** 0.8 cm (s) 1.4 cm

**Motion** : normal

**LVPW (D)** 0.7cm (s) 1.1 cm

**Motion** : Normal

**LVID (D)** 4.0cm (s) 2.2 cm

**Ejection Fraction** : 75%

**Fractional Shortening** : 43%

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

CHARAK



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**PERICARDIUM**

Normal

**DOPPLER STUDIES**

	Velocity (m/sec)	Flow pattern ( /4)	Regurgitation	Gradient (mm Hg)	Valve area (cm <sup>2</sup> )
MITRAL	e = 1.0 a = 0.4	Normal	-	-	-
AORTIC	1.4	Normal	-	-	-
TRICUSPID	0.5	Normal	-	-	-
PULMONARY	1.1	Normal	-	-	-

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

**NO REGURGITATION OR TURBULENCE ACROSS ANY VALVE**

**CONCLUSIONS :**

- NORMAL LV RV DIMENSION
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 75 %
- NO RWMA
- ALL VALVES NORMAL
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

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

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



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**CT STUDY OF HEAD PLAIN & CONTRAST**

**CT STUDY PERFORMED BEFORE AND AFTER INJECTING [ INTRAVENEOUS ] 40ML OF NON IONIC CONTRAST MEDIA**

**Infratentorial**

- Cerebellopontine angle and prepontine cisterns are seen normally.
- Fourth ventricle is normal in size and midline in location.
- Cerebellar parenchyma and brain stem appears to be normal.

**Supratentorial**

- Both the cerebral hemispheres show normal gray and white matter differentiation.
- Basal cisterns are seen normally.
- Third and both lateral ventricles are seen normally.
- No midline shift is seen.
- No abnormal enhancing lesion is seen.

**IMPRESSION:**

- NO EVIDENCE SUGGESTIVE OF ANY FOCAL / DIFFUSE PARENCHYMAL DISEASE OR ANY SPACE OCCUPYING LESION IS IDENTIFIED.

**CHARAK**

Clinical correlation is necessary.

**[DR. JAYENDRA KUMAR, MD]**

TRANSCRIBED BY: ANUP

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

