

Patient Name	: Mr.UMESH CHANDRA	Visit No	: CHA250046744
Age/Gender	: 50 Y/M	Registration ON	: 17/Mar/2025 10:06AM
<b>Lab No</b>	<b>: 10144039</b>	Sample Collected ON	: 17/Mar/2025 10:06AM
Referred By	: Dr.ANAM HOSPITAL	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 17/Mar/2025 11:59AM

**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 :** 1.7 cm.  
(d) **EF** 53 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** :3.4cms (b) **Aortic Opening** :1.4cms (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 : 2.8 cms Clot : - Others :  
Right Atrium : Normal Clot : - Others : -

Contd.....



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**VENTRICLES**

**RIGHT VENTRICLE** : Normal

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

**LEFT VENTRICLE** :

**LVIVS (D)** 0.9 cm (s) 1.5 cm

**Motion** : normal

**LVPW (D)** 1.0cm (s) 1.6 cm

**Motion** : Normal

**LVID (D)** 4.6 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

**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 = 0.8	Normal	-	-	-
AORTIC	0.8	Normal	-	-	-
TRICUSPID	0.4	Normal	-	-	-
PULMONARY	0.8	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. PANKAJ RASTOGI, MD,DM**

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

