

Patient Name : Mr. RAM BALAK Visit No : CHA250043252  
Age/Gender : 72 Y/M Registration ON : 10/Mar/2025 04:22PM  
**Lab No : 10140547** Sample Collected ON : 10/Mar/2025 04:22PM  
Referred By : Dr. NORTHERN RAILWAY Sample Received ON :  
Refer Lab/Hosp : NORTHERN RAILWAY LKO Report Generated ON : 10/Mar/2025 06:13PM

**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 : 1.3 cm.  
(d) EF 56 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 : 3.7cms (b) Aortic Opening : 1.5cms (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 : 2.9 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

**LVPW (D)** 0.8cm (s) 1.5 cm

**LVID (D)** 4.0 cm (s) 2.5 cm

**Motion** : normal

**Motion** : Normal

**Ejection Fraction** : **67%**

**Fractional Shortening** : **37 %**

**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 = 0.9 a = 0.8	Normal	-	-	-
AORTIC	1.4	Normal	-	-	-
TRICUSPID	0.4	Normal	1	-	-
PULMONARY	0.8	Normal	-	-	-

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

GR I/IV TR

**CONCLUSIONS :**

- NORMAL LV RV DIMENSION
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 67 %
- NO RWMA
- MILD TR
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

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

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

