

Patient Name	: Mr.RAMESH KUMAR	Visit No	: CHA250035487
Age/Gender	: 36 Y/M	Registration ON	: 27/Feb/2025 01:25PM
<b>Lab No</b>	<b>: 10132783</b>	Sample Collected ON	: 27/Feb/2025 01:25PM
Referred By	: Dr.YUSUF ANSARI	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 27/Feb/2025 06:16PM

**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 : 1.5 cm.  
(d) EF 60 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 :2.1cms (c) Closure: Central  
(d) Calcium : - (e) Eccentricity Index : 1 (f) Vegetation : -

(g) Valve Structure : Tricuspid,

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 :3.1 cms Clot : - Others :  
Right Atrium : Normal Clot : - Others : -

Contd.....



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**VENTRICLES**

**RIGHT VENTRICLE** : Normal

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

**LEFT VENTRICLE** :

**LVIVS (D)** 2.1 cm (s) 2.8 cm

**Motion** : normal

**LVPW (D)** 2.2cm (s) 2.7 cm

**Motion** : Normal

**LVID (D)** 4.5 cm (s)2.9 cm

**Ejection Fraction** :69%

**Fractional Shortening** : 39 %

*TOMOGRAPHIC VIEWS*

**Parasternal Long axis view** :

SEVERE CONCENTRIC LVH  
 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 <sup>2</sup> )
MITRAL	e = 0.8 a = 0.6	Normal	Trivial	-	-
AORTIC	1.2	Normal	-	-	-
TRICUSPID	0.3	Normal	-	-	-
PULMONARY	0.8	Normal	-	-	-

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

TRIVIAL MR

**CONCLUSIONS :**

- SEVERE CONCENTRIC LVH
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 69 %
- NO RWMA
- TRIVIAL MR
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

**OPINION – SEVERE CONCENTRIC LVH**

DR. RAJIV RASTOGI MD.DM

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

