

Patient Name	: Mr.RAVI KUMAR	Visit No	: CHA250035118
Age/Gender	: 39 Y/M	Registration ON	: 27/Feb/2025 07:59AM
<b>Lab No</b>	<b>: 10132414</b>	Sample Collected ON	: 27/Feb/2025 07:59AM
Referred By	: Dr.PANKAJ RASTOGI	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 27/Feb/2025 10:42AM

**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 : 1.8 cm.  
(d) EF : 109 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 : 3.5cms (b) Aortic Opening : 2.0cms (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 : 3.6 cms Clot : - Others :  
Right Atrium : Normal Clot : - Others : -

Contd.....



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**VENTRICLES**

**RIGHT VENTRICLE** : Normal

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

**LEFT VENTRICLE** :

**LVIVS (D)** 1.4 cm (s) 2.0cm

**Motion** : normal

**LVPW (D)** 1.1cm (s) 1.5 cm

**Motion** : Normal

**LVID (D)** 5.5 cm (s) 4.2 cm

**Ejection Fraction** : 45%

**Fractional Shortening** : 23%

**TOMOGRAPHIC VIEWS**

**Parasternal Long axis view** :

**CONCENTRIC LVH**  
**MILDLY DEPRESSED LV CONTRACTILITY.**

**Short axis view**

**Aortic valve level** :

**AOV** - NORMAL  
**PV** - NORMAL  
**TV** - NORMAL

**Mitral valve level** :

**MID POSTERIOR , BASAL POSTERIOR , MID INFERIOR & BASAL INFERIOR LV HYPOKINETIC**

**Papillary Muscle Level** :

**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 = 0.6 a = 0.8	a > e	-	-	-
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 :**

- CONCENTRIC LVH
- MILDLY DEPRESSED LV SYSTOLIC FUNCTION
- LVEF = 45 %
- MID POSTERIOR , BASAL POSTERIOR , MID INFERIOR & BASAL INFERIOR LV HYPOKINETIC
- NO MR/ TR
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

**OPINION – RCA TERRITORY HYPOKINETIC  
CONCENTRIC LVH**

**DR. PANKAJ RASTOGI, MD,DM**

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

