

Patient Name	: Ms.KUSUMA RANA	Visit No	: CHA250036043
Age/Gender	: 75 Y/F	Registration ON	: 28/Feb/2025 10:48AM
<b>Lab No</b>	<b>: 10133339</b>	Sample Collected ON	: 28/Feb/2025 10:48AM
Referred By	: Dr.PK SETHI **	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 28/Feb/2025 11:33AM

**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 : 1.4 cm.  
(d) EF : 45 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 : 2.7cms (b) Aortic Opening : 1.0cms (c) Closure: Central  
(d) Calcium : - (e) Eccentricity Index : 1 (f) Vegetation : -

(g) Valve Structure : THICK , CALCIFIC

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

Contd.....



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VENTRICLES

**RIGHT VENTRICLE** : Normal

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

**LEFT VENTRICLE** :

**LVIVS (D)** 1.1cm (s) 1.4cm

**Motion** : normal

**LVPW (D)** 1.0cm (s) 1.4 cm

**Motion** : Normal

**LVID (D)** 3.7 cm (s)2.2 cm

**Ejection Fraction** :72%

**Fractional Shortening** : 40 %

*TOMOGRAPHIC VIEWS*

**Parasternal Long axis view** :

CONCENTRIC LVH  
GOOD LV CONTRACTILITY.

Short axis view

**Aortic valve level** :

AOV - THICK , CALCIFIC  
**PV - NORMAL**  
TV - NORMAL

**Mitral valve level** :

MV - ANNULAR CALCIFICATION +

**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 = 0.7 a = 1.1	a > e	-	-	-
AORTIC	2.0	Normal	-	Mx=16	-
TRICUSPID	0.4	Normal	-	-	-
PULMONARY	0.8	Normal	-	-	-

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

**NO REGURGITATION OR TURBULENCE ACROSS ANY VALVE**

**CONCLUSIONS :**

- CONCENTRIC LVH
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 72 %
- NO RWMA
- a > e, DIASTOLIC DYSFUNCTION
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

**OPINION – CONCENTRIC LVH**

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

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

