

| | | | |
|----------------|-------------------|---------------------|-----------------------|
| Patient Name | : Ms.GYAN DEVI | Visit No | : CHA250046657 |
| Age/Gender | : 50 Y/F | Registration ON | : 17/Mar/2025 09:17AM |
| Lab No | : 10143952 | Sample Collected ON | : 17/Mar/2025 09:17AM |
| Referred By | : Dr.AC CHAUHAN | Sample Received ON | : |
| Refer Lab/Hosp | : CHARAK NA | Report Generated ON | : 17/Mar/2025 11:47AM |

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 :51 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 :1.2cms (c) Closure: Mid Systolic
(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) 1.5 cm (s)1.7 cm

Motion : normal

LVPW (D) 1.2cm (s) 1.6 cm

Motion : Normal

LVID (D) 3.3 cm (s) 1.8 cm

Ejection Fraction : **78%**

Fractional Shortening : **46 %**

TOMOGRAPHIC VIEWS

Parasternal Long axis view :

ASYMMTERIC SEPTAL HYPERTROPHY
GOOD LV CONTRACTILITY.

Short axis view

Aortic valve level :

AOV - NORMAL
PV - NORMAL
TV - NORMAL

Mitral valve level :

MV - SAM OF AML +

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 = 1.4 a = - | Normal | - | - | - |
| AORTIC | 2.1 | Normal | - | - | - |
| TRICUSPID | 0.4 | Normal | - | - | - |
| PULMONARY | 1.9 | Normal | - | - | - |

OTHER HAEMODYNAMIC DATA

LVOT vel = 3.2 m/s , Grad =41 mmHg

COLOUR DOPPLER

GR I/IV MR

CONCLUSIONS :

- ASYMMETRIC SEPTAL HYPERTROPHY
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 78 %
- SAM OF AML +
- MILD LVOT OBSTRUCTION
- MILD MR
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

IMPRESSION : FINDINGS ARE SUGGESTIVE OF HYPERTROPHIC OBSTRUCTIVE (MILD) CARDIOMYOPATHY

DR. PANKAJ RASTOGI, MD,DM

*** End Of Report ***

