

Patient Name	: Mr.MAHESH SINGH	Visit No	: CHA250046391
Age/Gender	: 50 Y/M	Registration ON	: 16/Mar/2025 01:25PM
Lab No	: 10143686	Sample Collected ON	: 16/Mar/2025 01:25PM
Referred By	: Dr.RAJIV RASTOGI	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 16/Mar/2025 04:42PM

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** :1.6 cm.
(d) **EF** :100 mm/sec (e) **EPSS** : 11 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** :3.0cms (b) **Aortic Opening** 1.9cms (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 :3.3 cms **Clot** : - **Others** :
Right Atrium : Normal **Clot** : - **Others** : -

Contd.....



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VENTRICLES

RIGHT VENTRICLE : Normal

RVD (D)
RVOT

LEFT VENTRICLE :

LVIVS (D) 0.3 cm (s)0.4 cm

Motion : normal

LVPW (D) 0.8cm (s) 1.4 cm

Motion : Normal

LVID (D) 5.7 cm (s) 4.6 cm

Ejection Fraction :40%

Fractional Shortening : 19 %

TOMOGRAPHIC VIEWS

Parasternal Long axis view :

DILATED LV
AKINETIC , THIN & SCARRED ANTERIOR IVS & APEX
(LAD TERRITORY)
DEPRESSED LV CONTRACTILITY.

Short axis view

Aortic valve level :

AOV - NORMAL
PV - NORMAL
TV - NORMAL

Mitral valve level :

MV - NORMAL

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 ²)
MITRAL	e = 1.0 a = 0.5	Normal	-	-	-
AORTIC	1.5	Normal	-	-	-
TRICUSPID	0.4	Normal	-	-	-
PULMONARY	1.0	Normal	-	-	-

OTHER HAEMODYNAMIC DATA

COLOUR DOPPLER

NO REGURGITATION OR TURBULENCE ACROSS ANY VALVE

CONCLUSIONS :

- DILATED LV
- AKINETIC , THIN & SCARRED ANTERIOR IVS & APEX (LAD TERRITORY)
- DEPRESSED LV SYSTOLIC FUNCTION
- LVEF = 40 %
- NO MR/TR
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

DR. RAJIV RASTOGI, MD,DM

*** End Of Report ***

