

Patient Name	: Mr.RU VERMA	Visit No	: CHA250043662
Age/Gender	: 40 Y/M	Registration ON	: 11/Mar/2025 10:44AM
Lab No	: 10140957	Sample Collected ON	: 11/Mar/2025 10:44AM
Referred By	: Dr.HARISH SETH	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 11/Mar/2025 01:46PM

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 :** 1.1 cm.
(d) **EF** 42 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** :3.1cms (b) **Aortic Opening** :0.6cms (c) **Closure:** Central
(d) **Calcium :** - (e) **Eccentricity Index :** 1 (f) **Vegetation :** -
(g) **Valve Structure :** THICK , CALCIFIC ? BICUSPID

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

Contd.....



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VENTRICLES

RIGHT VENTRICLE : Normal

RVD (D)
RVOT

LEFT VENTRICLE :

LVIVS (D) 1.2 cm (s)1.2 cm

Motion : normal

LVPW (D) 1.3cm (s) 1.6 cm

Motion : Normal

LVID (D) 5.9 cm (s) 5.1 cm

Ejection Fraction :26%

Fractional Shortening : 12 %

TOMOGRAPHIC VIEWS

Parasternal Long axis view :

DILATED & HYPERTROPHIED LV
POOR LV CONTRACTILITY.

Short axis view

Aortic valve level :

AOV - THICK, CALCIFIC ? BICUSPID
PV - NORMAL
TV - NORMAL

Mitral valve level :

MV - NORMAL

GLOBAL HYPOKINESIA OF LV

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 = 0.8 a = 0.5	Normal	-	-	-
AORTIC	3.8	Normal	2	Mx=58 Mean= 30	-
TRICUSPID	0.4	Normal	1	-	-
PULMONARY	0.5	Normal	-	-	-

OTHER HAEMODYNAMIC DATA

COLOUR DOPPLER

GR I/IV MR
GR II/IV AR
GR I/IV TR

CONCLUSIONS :

- DILATED & HYPERTROPHIED LV
- POOR LV SYSTOLIC FUNCTION
- LVEF = 26 %
- GLOBAL HYPOKINESIA OF LV
- SEVERE CALCIFIC AORTIC STENOSIS (PSG = 58 mmHg)
- MODERATE AR
- MILD MR
- MILD TR
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

OPINION – SEVERE CALCIFIC AORTIC STENOSIS , MODERATE AR ,MILD TR WITH POOR LV FUNCTION

DR. PANKAJ RASTOGI, MD,DM



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*** End Of Report ***

