

Patient Name	: Mr. BALRAM VERMA	Visit No	: CHA250046339
Age/Gender	: 60 Y/M	Registration ON	: 16/Mar/2025 12:33PM
Lab No	: 10143634	Sample Collected ON	: 16/Mar/2025 12:33PM
Referred By	: Dr. RAJIV RASTOGI	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 16/Mar/2025 04:00PM

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 : 1.7 cm.
(d) EF 62 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 :3.2cms (b) Aortic Opening :1.8cms (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

Left Atrium :2.3 cms
Right Atrium : Mildly dilated

6. AORTIC MITRAL CONTINUITY

Clot : - Others :
Clot : - Others : -

Contd.....



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VENTRICLES

RIGHT VENTRICLE : Mildly dilated
RVD (D)
RVOT

LEFT VENTRICLE :

LVIVS (D) 0.9 cm (s) 1.3 cm

Motion : normal

LVPW (D) 0.8cm (s) 1.4 cm

Motion : Normal

LVID (D) 3.3 cm (s) 2.3 cm

Ejection Fraction : **58%**

Fractional Shortening : **30 %**

TOMOGRAPHIC VIEWS

Parasternal Long axis view :

MILDLY DILATED RA & RV
GOOD LV CONTRACTILITY.

Short axis view

Aortic valve level :

AOV - NORMAL
PV - NORMAL
TV - NORMAL

Mitral valve level :

MV - NORMAL

Papillary Muscle Level :

NO RWMA

Apical 4 chamber View :

No LV CLOT

CHARAK



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PERICARDIUM

Normal

DOPPLER STUDIES

	Velocity (m/sec)	Flow pattern (/4)	Regurgitation	Gradient (mm Hg)	Valve area (cm 2)
MITRAL	e = 0.6 a = -	Normal	-	-	-
AORTIC	1.0	Normal	-	-	-
TRICUSPID	0.4	Normal	1	-	-
PULMONARY	0.7	Normal	-	-	-

OTHER HAEMODYNAMIC DATA

COLOUR DOPPLER

GR I/IV TR

CONCLUSIONS :

- MILDLY DILATED RA & RV
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 58 %
- NO RWMA
- MILD TR
- SEVERE PAH (PASP = 71 mmHg)
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

CHARAK

OPINION – SEVERE PULMONARY HYPERTENSION CAUSE ? CORPULMONALE

DR. RAJIV RASTOGI, MD,DM



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SKIAGRAM CHEST PA VIEW

- Trachea and mediasitnum are shifted to right .
- Multiple cystic areas are seen in right hemithorax with loss of right lung volume .
- Fibro-calcific opacities are seen in left lung filed.
- Cardiac shadow is within normal limits.
- Both CP angles are obliterated.
- Soft tissue and bony cage are seen normally.
- Both domes of diaphragm are sharply outlined.

OPINION : FUC KOCH'S CHEST WITH CVAVITATORY LUNG DESTRUCTION AND REDUCED LEFT LUNG VOLUME .

please compare with previous skiagram.

[DR. RAJESH KUMAR SHARMA, MD]

TRANSCRIBED BY: ANUP

CHARAK

*** End Of Report ***

