



# পপুলার ডায়াগনস্টিক সেন্টার লিঃ POPULAR DIAGNOSTIC CENTRE LTD.

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## ECHOCARDIOGRAPHY REPORT

MRD No. :	100649932	RIS No. :	1721887
Patient Name :	Mr. Masud Rana	Age/Gender :	46 Y/M
Referred By :	PROF. M. NAZRUL ISLAM, MBBS,FCPS,FRCP,FACC,FESC	Bed No/Ward :	OPD
Bill Date :	21/09/2021 4:28PM	Scan Date :	21/09/2021
Report Date :	21/09/2021 7:07PM	Report Status :	

## Transthoracic Echo-Doppler Study

### Measurement :

2D Measurement & M-mode		Doppler & TDI Measurement					
LA AP dia :	36 mm(30-40)	LVIDd :	40 mm (42-55)	MV E/A ratio :	(0.8-1.5)	Av mitral s' vel :	cm/s(6.2-11.8)
Ao Sov :	26 mm (<40)	LVIDs :	25 mm (25-40)	E wave DT :	ms(140-220)	Av mitral e' vel :	cm/s(6.3-12.4)
IVSd :	28 mm(6-10)	LVEF :	68% (≥55)	IVRT :	ms(56-124)	Av mitral a' vel :	cm/s(6.1-11.8)
LVPWd :	11 mm (6-10)	EPSS- :	mm (<7)	MVG (p/m) :	mmHg	Av E/e'Ratio :	(4.2-10)
MVA :	cm <sup>2</sup> (4-6)	TAPSE :	mm (17-31)	AVG (p/m) :	mmHg	e'/a' Ratio :	(>1.2)
MV score :		LA Vol :	ml / m <sup>2</sup> (<34)	PASP :	mmHg	Tricuspid s' vel :	(9.1±2.5)

### Description :

Vena cavae and pulmonary Veins	:	Normal SVC and IVC connection to right atrium. Normal pulmonary venous return.
Atria and IAS	:	LA, RA normal in size and intact IAS.
Left Ventricle	:	Septal and anterolateral wall of LV hypertrophied. LV posterior wall thickness normal. Chamber dimensions and systolic function normal. No resting regional wall motion abnormalities.
Aortic valve	:	Trileaflet with normal systolic opening and flow pattern. No evidence of stenosis nor any regurgitation visualised.
Aortic Root	:	Normal root dimensions with normal contours of SOV with unobstructed aortic arch.
Mitral valve	:	Appears structurally normal. No evidence of stenosis nor any regurgitation visualised. Mitral valve motion showed no SAM.
Right heart	:	RV size and systolic function are normal. Tricuspid and pulmonary valves show normal anatomy and mobility with normal Doppler flows.
Pericardium	:	Normal pericardium with no pericardial effusion visualized.
Others	:	Estimated PASP is within normal limits (based on the TR jet velocity/the size and collapsibility of IVC). No intracardiac mass seen.

### Interpretation summary :

- Hypertrophied septal and anterolateral wall of LV.
- Normal LV diameter and function (Estimated EF-68%). No RWMA.
- Normal right heart dimensions and functions with normal PA pressure.
- No significant pericardial effusion.

### Final Impression :

- Hypertrophic cardiomyopathy.

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