

Real-time Echocardiography

Patient Name: Mariam Emil	Age: 31 yr	Gender: Female
Date: 04-11-2022	P.H:	
Referring Physician:	Complain: Palpitation	

Dimensions	In mm	Normal values	Dimensions	In mm	Normal values
Ao. Root	23.5	2.6M, 2.3F \pm 0.2	LA	33.1	27-38F,30-40M
LVIDd	56.3	42-58M, 38-52F	LVPWs	13.8	12-18
LVIDs	43.3	25-40M,22-35F	FS	21.70	
IVSd	13.2	6-10	LV EF %	45%	50-75%
IVSs	18.6	12-18	SV	65	
LVPWd	10.2	6-10	RV	30	

2D Echo:

Situs solitus Heart Left ventricle shows normal dimensions and restrictive contractility estimated EF 45 % (Teich. method) and no RWMA.

Doppler Echo:

- Aortic valve shows normal valve structure and function, no significant pressure gradient across, max PG 5.5 mmHg, mean PG 3.5 mmHg and AVA VTI 0.75cm² and IVRT 72 ms.
- Mitral valve shows thickened both mitral leaflets of rheumatic origin anterior affected more than posterior, MV PHT 56ms, MVA 3.9 cm², VTI 37.9 cm, max PG 2.4 mmHg, mean PG 1.2 mmHg and MR PG max 3.2 mmHg mild MR and 2nd degree diastolic dysfunction.
- Tricuspid valve shows thickened tricuspid leaflets, TR PG max 19.9 mmHg, RAP 20 mmHg, RVSP 30 mmHg and mild TR.
- Pulmonary valve shows normal morphology, structure and function.
- Intact inter-atrial septum, also intact inter-ventricular septum.
- No LV masses or thrombi.
- There is no pericardial effusion.

CONCLUSION:

LV is normal dimensions and restrictive contractility Estimated EF 45 %, rheumatic mild MR, mild TR and 2nd degree D.D

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