



Transthoracic Echocardiography

Patient: **GE-DEMO Cardiology**

Exam date: 01/10/2021

Procedure/ Study Quality A transthoracic study was performed including 2D, M-mode, spectral, color-flow and Tissue Doppler imaging. View: This was a technically adequate study.

Measure

2D mode

IVSd	0.6 cm	LVPWd	1.0 cm	LA Diam	3.9 cm
LVIDd	5.4 cm	LVD Mass (ASE)	153 g		[3.0-4.0]
	[4.2-5.8]	LVD Mass Index (ASE)	73 g/m ²	Ao Root Diam	2.6 cm
LVIDs	3.6 cm				[3.1-3.7]
	[2.5-4.0]				

Doppler

MV E Velocity	0.79 m/s	LVOT max PG	4.76 mmHg	AV VTI	41.4 cm
MV A Velocity	0.43 m/s	LVOT mean PG	2.32 mmHg	Dimensionless	0.75
MV E / A	1.84	LVOT VTI	31.0 cm	Index VTI	
MV Dec. Time	310 ms	AV Vmax	1.47 m/s	TR Vmax	2.33 m/s
MV Dec. Slope	2.56 m/s ²	AV max PG	8.68 mmHg	TR max PG	21.75 mmHg
LVOT Vmax	1.09 m/s	AV Vmean	1.02 m/s	RAP	3.00 mmHg
LVOT Vmean	0.69 m/s	AV mean PG	4.73 mmHg	RVSP	24.75 mmHg

TDI

MV E' Sept	11 cm/s	MV E' Lat	21 cm/s	MV E' Avg	16 cm/s
MV E / E' Sept	7.3	MV E / E' Lat	3.8	MV E / E' Avg	5.0

2D Strain

GLPS (AFI A4C)	-19 %	GLPS (AFI LAX)	-17 %	GLPS avg (AFI)	-18 %
GLPS (AFI A2C)	-19 %				

Left Ventricle Left ventricular cavity size is normal.
Global systolic function:
Systolic function is normal with an EF between 52-72%.
Regional systolic function:
Wall motion: LV regional wall motion is normal.
Diastolic function:
The diastolic filling pattern is normal for the age of the patient.

Right Ventricle Right ventricular systolic function is normal.

Left Atrium The left atrial volume is normal.

Interatrial Septum Patent foramen ovale is not identified.

Right Atrium The right atrial size is normal.

Aortic Valve The aortic valve is trileaflet and structurally normal. There is no evidence of aortic stenosis. There is no evidence of aortic regurgitation.

Mitral Valve The mitral valve is structurally normal. There is no mitral stenosis. There is no regurgitation.

Tricuspid Valve The tricuspid valve is structurally normal. No stenosis of the tricuspid valve. There is no tricuspid regurgitation.

Pulmonic Valve Pulmonic valve morphology is normal. No pulmonic valve stenosis. No regurgitation.

**Mass/
Thrombus**

No intracardiac masses or thrombus seen.

**Aorta/Aortic
root**

The aortic root is normal in size.

Pericardium

There is no pericardial effusion. The pericardium is normal.

