

# Transthoracic Echocardiogram Study Report

**Ben Greenfield**  
July 28, 2020

Pt ID: [REDACTED]  
DOB: [REDACTED] Age: 38  
Gender: M

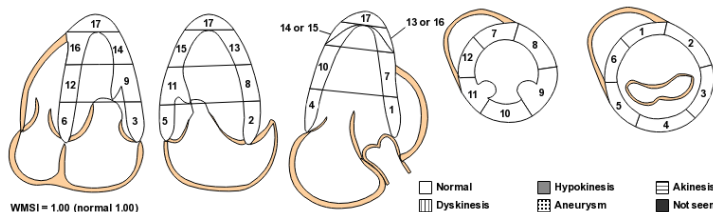
Study Time: 09:16 AM  
Reading Group: Dr. Ram Dandillaya, MD, FACC  
Referring Group: To be Assigned  
Sonographer: \*\*\*

Study Quality: Excellent

Left Ventricle		Normal	Left Atrium		Normal	Aorta		Normal
LVEDV	114.5 ml		LA (Mm)	4.0 cm	(3 - 4)	AoD (Mm)	3.3 cm	
LVESV	41.9 ml		<b>Mitral Valve</b>			<b>Aortic Valve</b>		
EF	63.0 %	(52 - 72)	MV Pk E Vel	0.5 m/s	(0.7 - 1.2)	AV Pk Vel	1.04 m/s	
LVSV	72.6 ml	(31 - 87)	MV Pk A Vel	0.3 m/s	(0.4 - 0.7)	AV Pk Grad	4.3 mmHg	(<10)
IVSd (Mm)	1.0 cm	(0.6 - 1)	MV E/A Ratio	1.5	(0.73 - 2.33)	AV Mean Grad	2.3 mmHg	(<=40)
LVPWd (Mm)	1.1 cm	(0.6 - 1)	MV Decel Time	239.2 ms	(138 - 194)	AV VTI	21.0 cm	(18 - 22)
LV FS (midwall)	35.0 %	(14 - 22)	Septal e'	8.68 cm/s	(10.1 - 20.9)	<b>Pulmonary Valve</b>		
IVSs	1.7 cm	(0.8 - 1)	Septal e/e'	5.9	(<8)	PR Vel	0.8 m/s	
LVIDs (Mm)	3.2 cm	(2.5 - 4)	<b>Tricuspid Valve</b>			PR Pk Grad	2.7 mmHg	
LVIDd (Mm)	4.9 cm	(4.2 - 5.8)	TR Pk Vel	1.8 m/s		<b>Pulmonic Artery</b>		
LVPWs	1.5 cm	(0.9 - 1.8)	TR Pk Grad	12.7 mmHg		LA / Ao	1.2	
LVRWT	0.45							

## Findings:

- Left ventricle cavity is normal in size. Normal global wall motion. WMSI = 1.00.
- Left atrial cavity is normal in size at 4 cm.
- Right atrial cavity is normal in size.
- Right ventricle cavity is normal in size. Normal right ventricular function.
- Structurally normal trileaflet aortic valve with no regurgitation noted. AV Pk Grad of 4.3 mmHg, AV Mean Grad of 2.3 mmHg.
- Structurally normal mitral valve with no regurgitation noted.
- Structurally normal tricuspid valve with no regurgitation noted.
- Structurally normal pulmonic valve with no regurgitation noted.
- No evidence of significant pericardial effusion.
- The aortic root is normal.
- IVC is normal with respiratory variation.



## Conclusions:

- Left ventricle cavity is normal in size. Normal global wall motion. Calculated EF 63%.

Dr. Ram Dandillaya, MD, FACC  
Electronically Signed on Studycast  
September 03, 2020 09:58 AM EDT

