

MCA • 273 Winton M Blount Loop, Montgomery AL 36117-3507

SMITH, GERRY (id #192392, dob: 06/16/1963)

Imaging Results**ECHOCARDIOGRAM (#3912138, Final, 03/24/2021 1:23pm)**

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Accredited By: Intersocietal Accreditation Commission for Echocardiography

Transthoracic Echocardiogram Report

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:Name: SMITH, GERRY Study Date: 03/24/2021 Height
t: 73 in :
:MRN: 999192392 Weight
t: 276 lb :
:DOB: 06/16/1963 Gender: Male
:
:
2.5 m2 : BSA:
:Age: 57 yrs BP: 1
64/86 mmHg:
:Reason For Study: Murmur HR: 6
2 :
:Ordering Physician: Lindsey Barton, CRNP Performed By: Kelsey N Dark, RCS
:
:Referring Physician: Lindsey Barton, CRNP
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Interpretation Summary

There is mild concentric left ventricular hypertrophy.
The left atrium is mildly dilated.
The right ventricle is mildly dilated.
There is mild to moderate mitral annular calcification.
There is mild to moderate mitral regurgitation.
There is moderate aortic sclerosis.
Mild to moderate aortic regurgitation.
No hemodynamically significant valvular aortic stenosis.
RVSP not able to be calculated.
There is no pericardial effusion.

Procedure: A complete two-dimensional transthoracic echocardiogram was performed (2D, M-mode, spectral and color flow Doppler). Study Quality: Fair.

Left Ventricle: The left ventricle is normal in size. There is mild concentric left ventricular hypertrophy. Left Ventricular ejection fraction = 65-70%.

Global Strain not indicated. The left ventricular wall motion is normal.

Left Atrium: The left atrium is mildly dilated. The interatrial septum is intact with no evidence for an atrial septal defect.

Right Ventricle: The right ventricle is mildly dilated. The right ventricular systolic function is normal.

Right Atrium: Right atrial size is normal.

Mitral Valve: There is mild to moderate mitral annular calcification. There is mild to moderate mitral regurgitation.

Aortic Valve: The aortic valve is trileaflet. There is moderate aortic sclerosis. Mild to moderate aortic regurgitation. No hemodynamically significant valvular aortic stenosis.

Tricuspid Valve: Structurally normal tricuspid valve. There is trace tricuspid regurgitation. RVSP not able to be calculated.

Pulmonic Valve: The pulmonic valve is not well visualized. There is no pulmonic valvular regurgitation.

Aorta/PA: The aortic root is normal size. The pulmonary artery is normal size.

PV/IVC/Hepatic: Normal pulmonary vein spectral Doppler velocities. The inferior vena cava was not visualized during the exam.

Pericardium: There is no pericardial effusion.

MMode/2D Measurements & Calculations

RVDd: 3.7 cm LVIDd: 5.6 cm FS: 40.0 % MVA(traced):
IVSd: 1.4 cm LVIDs: 3.3 cm EDV(Teich):
LVPWd: 1.4 cm 151.8 ml 3.7 cm2

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ESV(Teich): 45.6 ml
EF(Teich): 70.0 %

Ao root diam: 3.2 cm LVOT diam: 2.1 cm
Ao root area: LVOT area:
8.1 cm² 3.4 cm²
ACS: 2.0 cm
LA dimension: 4.9 cm

Time Measurements
MM R-R int: 1.0 sec
MM HR: 59.4 BPM

Doppler Measurements & Calculations

MV E max vel:	MV dec slope:	Ao V2 max:	AI max vel:
90.1 cm/sec	511.1 cm/sec ²	194.9 cm/sec	418.8 cm/sec
MV A max vel:	MV dec time:	Ao max PG:	AI max PG: 70.2 mmHg
66.2 cm/sec	0.18 sec	15.2 mmHg	AI dec slope:
MV E/A: 1.4		Ao V2 mean:	254.0 cm/sec ²
		128.7 cm/sec	AI P1/2t: 482.8 msec
		Ao mean PG:	
		7.6 mmHg	
		Ao V2 VTi: 45.2 cm	
		AVA(I,D): 2.5 cm ²	
		AVA(V,D): 2.3 cm ²	

LV V1 max PG:	SV(LVOT): 113.6 ml	PA V2 max:	PA pr(Accel):
7.1 mmHg		85.8 cm/sec	10.5 mmHg
LV V1 mean PG:		PA max PG:	
4.2 mmHg		2.9 mmHg	
LV V1 max:		PA acc time:	
133.4 cm/sec		0.15 sec	
LV V1 mean:			
97.2 cm/sec			
LV V1 VTi: 33.7 cm			

Electronically signed by: Forrest Flemming, MD on 03/25/2021 02:37 PM

<https://ISCVC-SRV.ad.baptistfirst.org/GetReport.asp?>

Modality=US&StudyInstanceUID=1.2.840.113619.2.435.385051840.1616592189.345.1