



Medical Records - CONFIDENTIAL

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Name: SMITH, GERRY

DOB: 06/16/1963

Date Range: 01/01/2023 to 12/27/2023

This document contains the following records of the patient:

- **Imaging Results**

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[ID:192392-A-11015]

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

Imaging Results

SMITH, Gerry (id #192392, dob: 06/16/1963)**ECHOCARDIOGRAM (#6385276, Final, 12/26/2023 10:08am)**

Montgomery Cardiovascular Associates, P.C.
277 Huntress St
Suite 203 Wetumpka AL 36092-3327
Phone: (334) 280-1500

Accredited By: Intersocietal Accreditation Commission for Echocardiography

Transthoracic Echocardiogram Report

Name: SMITH, GERRY Study Date: 12/26/2023 10:08 AM Height:
73 in :
MRN: 999192392 Weight:
297 lb :
DOB: 06/16/1963 Gender: Male
BSA:
2.5 m2 :
Age: 60 yrs BP:
174/88 mmHg:
Reason For Study: AS, AI, BiAV, MR, HR: 72
Htn, Obesity
Ordering Physician: Wynne Crawford, MD Performed By: Kelsey N Dark, RCS
Referring Physician: Lindsey Barton,
CRNP

Interpretation Summary

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

Study Quality: Fair.

The left ventricle is normal in size.

There is mild concentric left ventricular hypertrophy.

Left Ventricular ejection fraction = 60-65%.

The left atrial size is normal.

The mitral valve is normal in structure and function.

The aortic valve has diffuse thickening with restricted cusp opening.

There is mild to moderate aortic valve thickening.

There is mild to moderate aortic sclerosis.

The aortic valve is not well visualized.

Mild aortic regurgitation.

Moderate valvular aortic stenosis.

Aortic max pressure gradient= 29.3 mmHg.

Aortic mean pressure gradient= 15.9 mmHg.

The peak aortic valve velocity 271 cm/s.

The calculated aortic valve area using the continuity equation is 1.0-1.3 cm².

There is trace tricuspid regurgitation.

The aortic root is normal size.

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 = 60-65%.

Global Strain not indicated.

Left Atrium: The left atrial size is normal. The interatrial septum is intact with no evidence for an atrial septal defect.

Right Ventricle: The right ventricle is normal in size and function.

Right Atrium: Right atrial size is normal.

Mitral Valve: The mitral valve is normal in structure and function. There is no mitral regurgitation noted.

Aortic Valve: The aortic valve has diffuse thickening with restricted cusp opening. There is mild to moderate aortic valve thickening. There is mild to moderate aortic sclerosis. The aortic valve is not well visualized. Mild aortic regurgitation. Moderate valvular aortic stenosis. Aortic max pressure gradient= 29.3 mmHg. Aortic mean pressure gradient= 15.9 mmHg. The calculated aortic valve area using the continuity equation is 1.0-1.3 cm². The peak aortic valve velocity 271 cm/s.

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Tricuspid Valve: The tricuspid valve is normal in structure and function. There is trace tricuspid regurgitation. There was insufficient TR detected to calculate RV systolic pressure.

Pulmonic Valve: The pulmonic valve is normal in structure and function. There is no pulmonic valvular regurgitation.

Aorta/PA: The aortic root is normal size. No obvious dissection could be visualized. 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: 3.0 cm LVIDd: 4.8 cm FS: 34.5 % MVA(traced):

IVSd: 1.3 cm LVIDs: 3.2 cm EDV(Teich):

LVPWd: 1.3 cm 108.9 ml 4.2 cm²

ESV(Teich): 39.7 ml

EF(Teich): 63.5 %

Ao root diam: 3.3 cm LVOT diam: 1.9 cm

Ao root area: LVOT area:

8.6 cm² 3.0 cm²

ACS: 1.3 cm

LA dimension: 3.8 cm

Ao mean PG:

15.9 mmHg

Ao max PG: 26.2 mmHg

Doppler Measurements & Calculations

MV E max vel: MV V2 max: MV dec slope: Ao V2 max:

74.6 cm/sec 92.2 cm/sec 384.0 cm/sec² 256.0 cm/sec

MV A max vel: MV max PG: Ao V2 mean:

61.5 cm/sec 3.4 mmHg 186.4 cm/sec

MV E/A: 1.2 MV V2 mean: Ao V2 VTI: 58.7 cm

45.7 cm/sec

AVA(I,D): 1.3 cm²

MV mean PG:

AVA(V,D): 1.6 cm²

0.97 mmHg

MV V2 VTI: 21.8 cm

MVA(VTI): 3.6 cm²

AI max vel: LV V1 max PG: SV(LVOT): 77.3 ml PA V2 max:

352.8 cm/sec 7.6 mmHg 99.0 cm/sec

AI max PG: 49.8 mmHg LV V1 mean PG: PA max PG:

AI dec slope: 4.7 mmHg 3.9 mmHg

281.1 cm/sec² LV V1 max:

AI P1/2t: 367.6 msec 138.1 cm/sec

LV V1 mean:

101.4 cm/sec

LV V1 VTI: 26.0 cm

PA pr(Accel):

21.2 mmHg

Reading Physician:

Eric Crum, MD 12/27/2023 01:40 PM

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1/2/24
Reviewed
J. Branton
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