

# Empire Diagnostic Solutions, Inc.

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## ECHOCARDIOGRAM AND CARDIAC DOPPLER STUDY

**PATIENT NAME:**

**SEX:**

**DATE OF BIRTH:**

**DATE OF TEST:**

**REFERRING PHYSICIAN:**

	<u>OBSERVED</u>	<u>NORMAL RANGE</u>
Aortic Root Diameter	2.65	2.0 - 3.7 cm
Aortic Valve Opening		1.6 – 2.6 cm
Left Atrial Dimension	4.58	1.9 – 4.0 cm
LV End Systolic Dimension	3.61	2.2 – 4.0 cm
LV End Diastolic Dimension	5.36	3.5 – 5.5 cm
Fractional Shortening		28 – 41%
IV Septal Thickness	1.68	0.7 – 1.2 cm
LV Posterior Wall Thickness	1.55	0.7 – 1.2 cm
Mitral E Point Septal Separation		less than 1.0 cm

### RESTING ECHOCARDIOGRAM:

Left Atrial Size	mildly dilated
Right Atrial Size	within normal limits
Left Ventricular Size	within normal limits
Right Ventricular Size	within normal limits

Aortic Root	within normal limits
Left ventricular Wall Motion	within normal limits
Left Ventricular Systolic Function	within normal limits
Left Ventricular Hypertrophy	present

LVEF 69%

**VALVE MORPHOLOGY:**

Aortic Valve	sclerotic
Mitral Valve	mitral annular calcification
Tricuspid Valve	no abnormality noted
Pulmonary Valve	no abnormality noted

**DOPPLER:**

Aortic Valve	trace regurgitation with peak velocity across valve of 1.6 m/sec
Mitral Valve	+1 to +2 regurgitation
Tricuspid Valve	trace regurgitation
Pulmonary Valve	no abnormality noted

**COLOR FLOW DOPPLER:**

Aortic Valve	trace regurgitation
Mitral Valve	+1 regurgitation
Tricuspid Valve	trace regurgitation
Pulmonary Valve	no abnormality noted

**COMMENTS:**

1. Normal left ventricular size and left ventricular systolic function.
2. Normal right ventricular size and function.
3. Mildly dilated left atrium.
4. Normal right atrium size.
5. Aortic valve is sclerotic with normal leaflet excursion.
6. Mitral annular calcification.
7. Mild aortic insufficiency.
8. Mild to moderate mitral regurgitation.
9. Trace tricuspid regurgitation.

Board Certified Cardiologist  
.M.D. FACC. FACP. CBNC

RV:cg/electronically signed