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2D ECHO WITH COLOR FLOW DOPPLER - Details

Study Result

Narrative

TEST DESCRIPTION

Technical Quality: This is a technically good study.

Aorta: The aortic root is normal in size, measuring 2.3 cm at sinotubular junction.

Left Atrium: The left atrial volume index is normal, measuring 21.22 cc/m².

Left Ventricle: The left ventricle is normal in size, with an end-diastolic diameter of 3.9 cm, and an end-systolic diameter of 2.4 cm. LV wall thickness is normal, with the septum and the posterior wall each measuring 0.9 cm across. Relative wall thickness was increased at 0.46, and the LV mass index was 76.2 g/m² consistent with concentric remodeling. Global left ventricular systolic function appears normal. Visually estimated ejection fraction is 60-65%. The LV Doppler derived stroke volume equals 55.0 ccs.

The E/e'(lat) is 5, consistent with normal diastolic function.

Right Atrium: The right atrium is normal in size, measuring 3.2 cm in length and 3.4 cm in width in the apical view.

Right Ventricle: The right ventricle is normal in size. Global right ventricular systolic function appears normal. The estimated PA systolic pressure is 17 mmHg.

Aortic Valve: The peak gradient obtained across the aortic valve is 5.0 mmHg, with a mean gradient of 3.0 mmHg. Using a left ventricular outflow tract diameter of 1.9 cm, a left ventricular outflow tract velocity time integral of 19 cm, and a peak instantaneous transvalvular velocity of m/s, the calculated aortic valve area is 2.5 cm².

Mitral Valve: The pressure half time is 58.0 msec. The calculated mitral valve area is 3.79 cm².

Tricuspid Valve: There is trivial tricuspid regurgitation.

IVC: IVC is normal in size and collapses > 50% with a sniff, suggesting normal right atrial pressure of 3 mmHg.

Intracavitary: There is no evidence of pericardial effusion, intracavity mass, thrombi, or vegetation.

CONCLUSIONS

- 1 - Concentric remodeling.
- 2 - Normal left ventricular systolic function (EF 60-65%).
- 3 - Normal left ventricular diastolic function.
- 4 - Normal right ventricular systolic function .
- 5 - Trivial tricuspid regurgitation.

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SIGNED BY: Gerardo Aristimuno, MD On: 06/15/2015 11:18

Images

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Component Results

Component	Your Value	Standard Range
QEF	Your Value 65	<i>Standard Range</i> <i>55 - 65</i>
Diastolic Dysfunction	Your Value No	
Est. PA Systolic Pressure	Your Value 17.29	
Tricuspid Valve Regurgitation	Your Value TRIVIAL	

General Information

Ordered by Michael D Lecce, MD

Collected on 06/15/2015 7:00 AM

Resulted on 06/15/2015 8:33 PM

Result Status: Final result

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