

2D ECHO WITH COLOR FLOW DOPPLER

- Details

 About This Test

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

Component Results

Component	Your Value	Standard Range
EF	65	55 - 65
Diastolic Dysfunction	No	
Est. PA Systolic Pressure	17.29	
Tricuspid Valve Regurgitation	TRIVIAL	

General Information

Collected: 06/15/2015 7:00 AM
Resulted: 06/15/2015 8:33 PM
Ordered By: Michael D Lecce, MD
Result Status: Final result