

Supplementary Material

Supplementary text 1

Echocardiography results:

Age: 68 years

Gender: Female

Weight: 70 kg

Height: 1.65 meters

BSA: 1.77 m²

Rhythm: Regular

HR: 70 bpm

Dimensions

Normal Value

- **Aortic Annulus:** 29 (27-33 mm)
 - **Left Atrium:** 33 (27-38 mm)
 - **Interventricular Septum:** 7 (6-9 mm)
 - **Posterior LV Wall:** 7 (6-9 mm)
 - **LV End-Diastolic Diameter:** 44 (37.8-52.2 mm)
 - **LV End-Systolic Diameter:** 30 (21.6-34.8 mm)
 - **Basal Right Ventricle:** 30 (25-41 mm)
 - **Mid Right Ventricle:** 20 (19-35 mm)
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Calculations

- **Diastolic Volume:** 88 (46-106 ml)
 - **Systolic Volume:** 35 (14-42 ml)
 - **Shortening Fraction:** 32% (25-43%)
 - **Ejection Fraction (Teichholz):** 60% (54-74%)
 - **LV Mass Index:** 51.7 (43-95 g/m³)
 - **Relative Wall Thickness:** 0.32 (≤0.42 cm)
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Cardiac Chambers

Cardiac chambers of normal size. Left atrial volume estimated at 30 ml/m² (normal: 16-34 ml/m²).

Ventricles

- **Left Ventricle:** Preserved systolic function and myocardial thickness. No segmental wall motion abnormalities. Normal diastolic function indices.
 - **Right Ventricle:** Normal systolic function.
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Valves

- **Mitral Valve:** Normal appearance, thickness, and movement. No prolapse. Normal Doppler/color flow.
 - **Aortic Valve:** Tricuspid with mild fibrocalcification. Preserved mobility. Normal Doppler/color flow.
 - **Tricuspid Valve:** Normal appearance and function.
 - **Pulmonary Valve:** Normal appearance and function.
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Additional Findings

- **Aorta:** Atheromatosis of the aortic arch.
 - **Pericardium:** Normal appearance.
 - **Interatrial Septum:** Intact, no shunt detected.
 - **Pulmonary Pressure:** 24 mmHg (normal <35 mmHg).
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Conclusion

1. Mild calcification of the aortic valve.
2. Atheromatosis of the aortic arch.