Echocardiography Report

Name: Tita	**Date:** June 8, 2026
Species: Canine	**Sex:** Female
Breed: Poodle	**Age:** 14 years
Weight: 4 kg	

Findings

Two-Dimensional (2D) Study:

Real-time 2D imaging reveals a heart with eccentric dilation and concentric hypertrophy of the left ventricle. The left atrium is subjectively normal in size. Heart rate is regular with regular rhythm.

The Left Ventricle (LV) shows eccentric dilation and concentric hypertrophy of the interventricular septum and free wall.

The aorta (AO) measures 15.17 mm and the left atrium (LA) measures 20.05 mm, with an LA/AO ratio of 1.32, within normal limits.

The Right Ventricle (RV) shows an appropriate size in relation to the left ventricle, and the interventricular septum remains in the midline throughout the cardiac cycle.

The mitral valve demonstrates thickened leaflets with irregular contours and incomplete coaptation during systole. The tricuspid, aortic, and pulmonary valves demonstrate preserved morphology, echogenicity, and mobility, with leaflets of regular contours, normal thickness, and adequate coaptation during the cardiac cycle.

Left ventricular ejection fraction by the Simpson method: Not assessed.

Maximum left atrial volume: Not assessed.

No masses, intracardiac thrombi, or pericardial effusion visualized.

M-Mode Study:

LVIDd: 31.83 mm. LVIDs: 20.04 mm. LVPWd: 9.43 mm. LVPWs: 12.73 mm. IVSd: 9.19 mm. IVSs: 12.02 mm. Normalized LVIDd: 2.12.

Fractional Shortening (FS%): 37.04 %. Ejection fraction: 68.36 %. Within expected range.

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EPSS: Not assessed. MAPSE: Not assessed. TAPSE: Not assessed.

Left atrial fractional shortening: Not assessed.

Right pulmonary artery distensibility (RPAD): 32.56 % (D1: 8.38 mm, D2: 12.43 mm), normal.

Doppler Evaluation (Color and Spectral):

Mitral and Tricuspid Valves: Color Doppler demonstrates turbulent retrograde flow across the mitral valve during systole, consistent with mitral regurgitation. Tricuspid inflow is laminar.

Mitral E wave (87.59 cm/s) and A wave (64.35 cm/s) within normal limits. E/A ratio: 1.36, suggesting adequate left ventricular diastolic function. Mitral E-wave deceleration time (PHT): 22.20 ms. Mitral A-wave duration: Not assessed.

Tricuspid velocity (TV E Vel): 56.80 cm/s (TV E PG: 1.29 mmHg), within expected limits.

Aortic and Pulmonary Outflow Tracts: Color Doppler of LVOT and RVOT reveals laminar systolic flow profiles. No significant regurgitation identified.

Maximum aortic velocity: 130.21 cm/s. Maximum pulmonary velocity: 66.34 cm/s. AT:ET: Not assessed. No evidence of stenosis or dynamic flow obstruction.

Pulmonary venous flow into left atrium: Not assessed. PEP/ET ratio: Not assessed. IVRT: Not assessed. TEI index: Not assessed.

Pulmonary Venous Flow: Not assessed. S/D ratio: Not assessed. Small Ar wave duration: Not assessed. +dP/dT: Not assessed.

Tissue Doppler Imaging (TDI) Evaluation:

Lateral Wall: S` wave (9.96 cm/s) normal. E` (7.58 cm/s) and A` (10.61 cm/s) waves normal. E`/A` ratio: 0.71. E/E` ratio: 11.55, both normal.

Septal (Medial): S` wave (8.35 cm/s) normal. E` (6.37 cm/s) and A` (6.17 cm/s) waves normal. E`/A` ratio: 1.03. E/E` ratio: 13.74, both normal.

LV myocardial performance index (TEI): Not assessed.

RV myocardial performance index (TEI): Not assessed.

Diagnosis

- Myxomatous Mitral Valve Disease (MMVD), ACVIM Stage B2
- Moderate mitral valve insufficiency (insuficiencia mitral moderada)
- Left ventricular eccentric dilation and concentric hypertrophy

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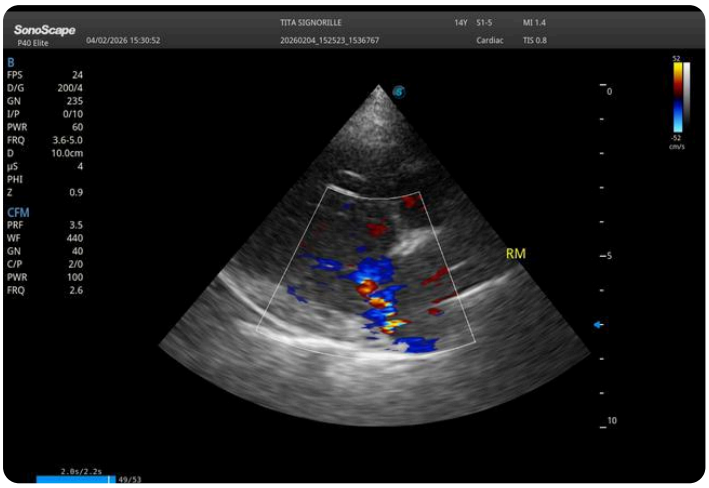
Images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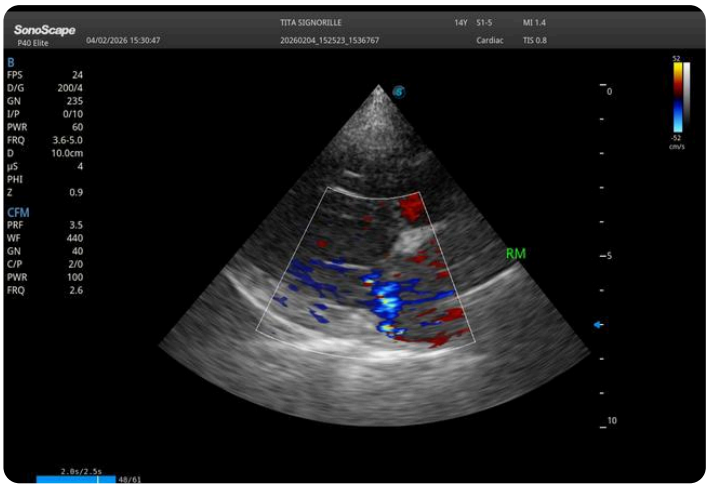
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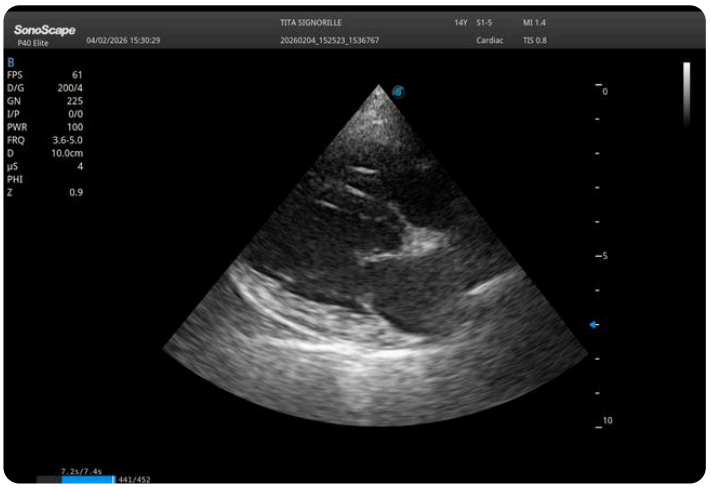
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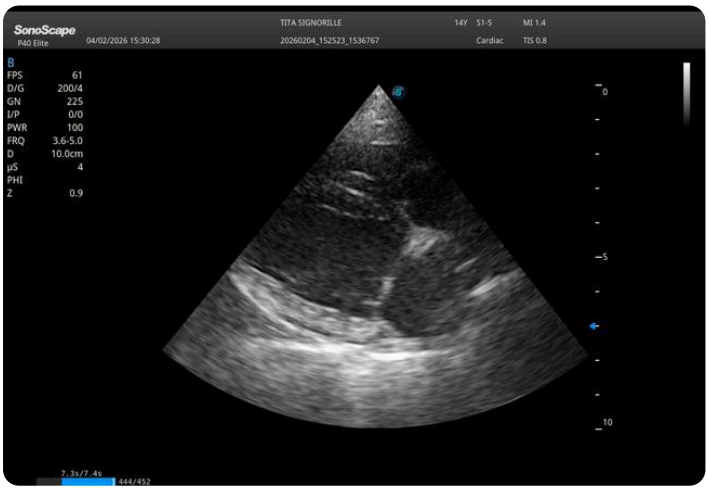
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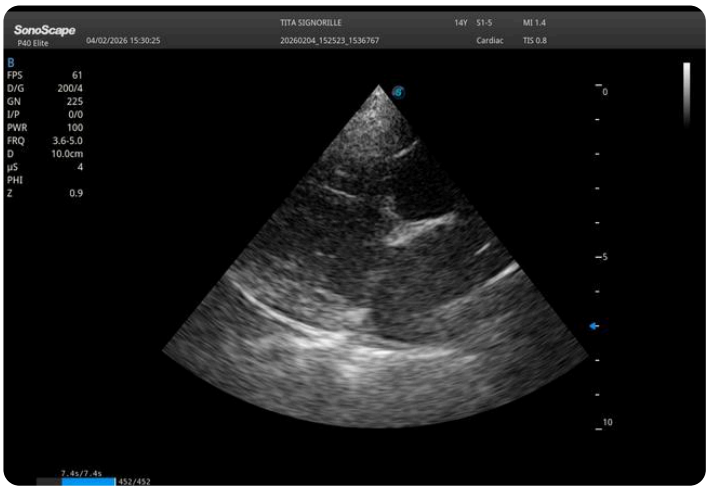
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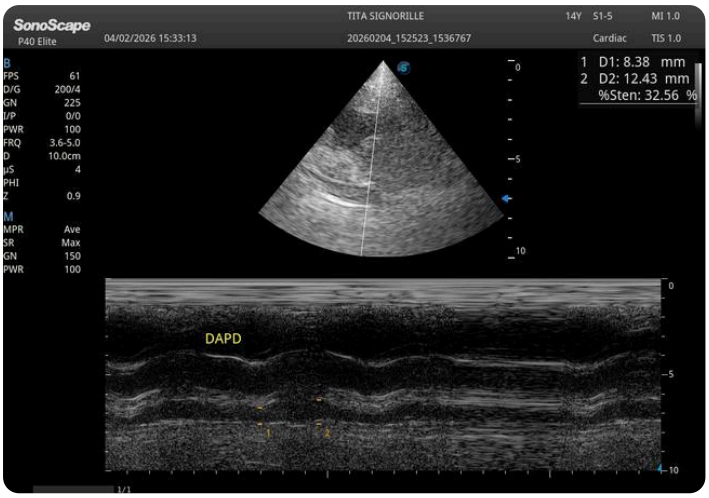

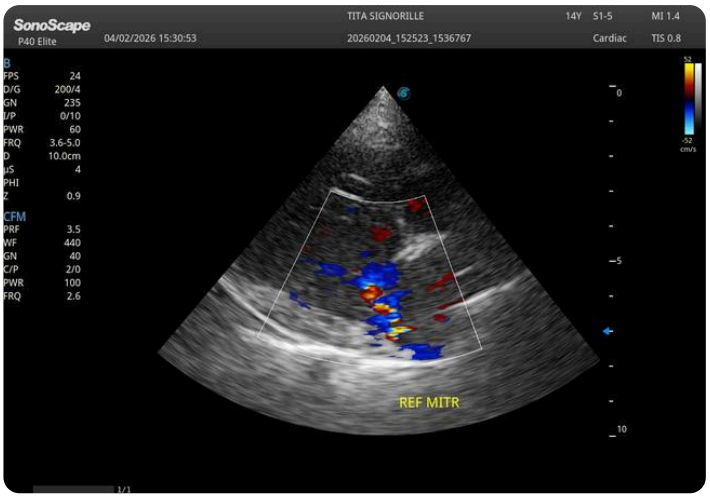

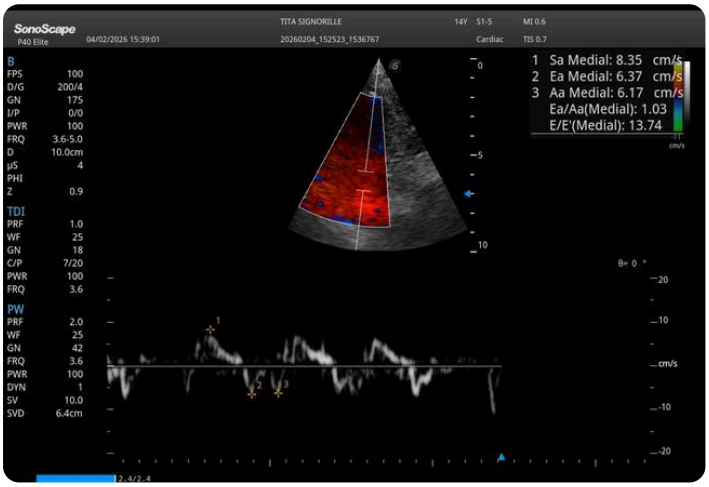

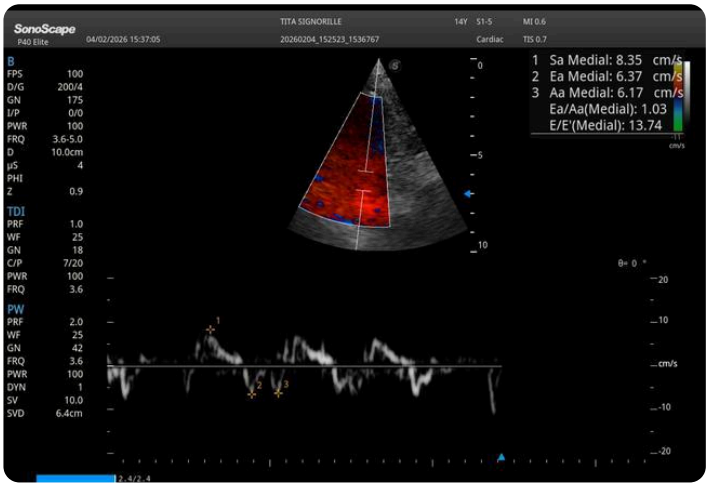

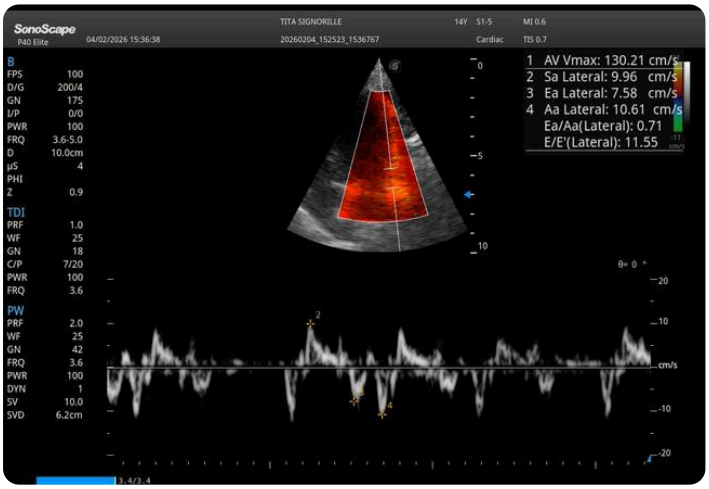

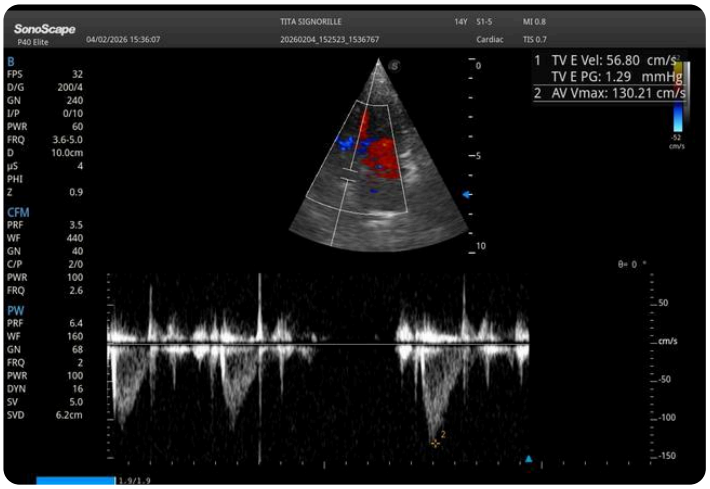

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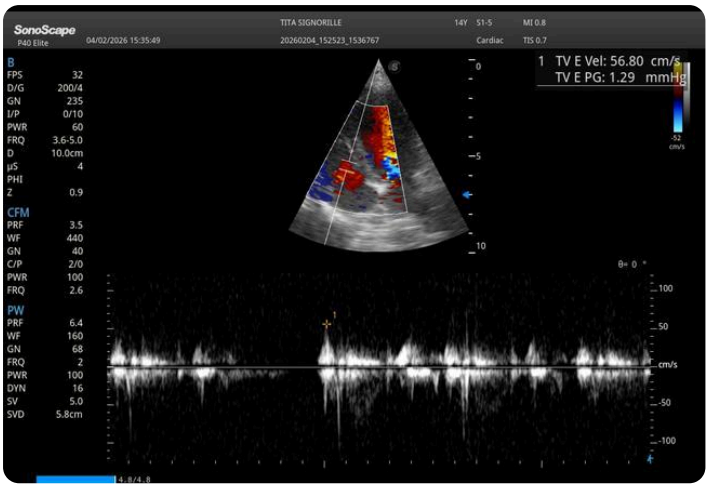

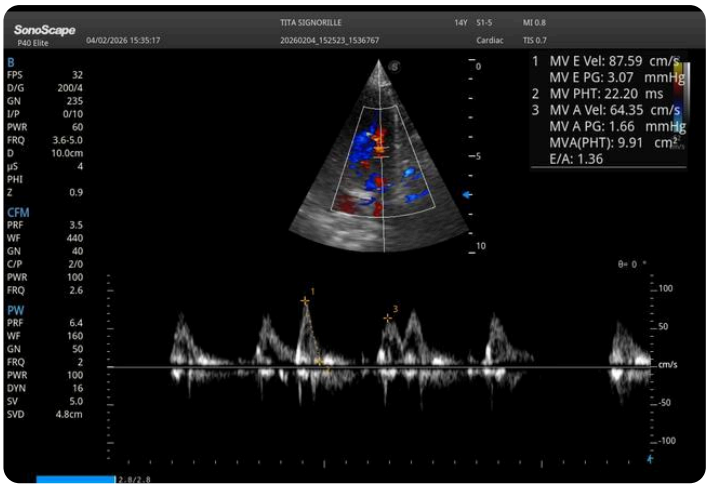

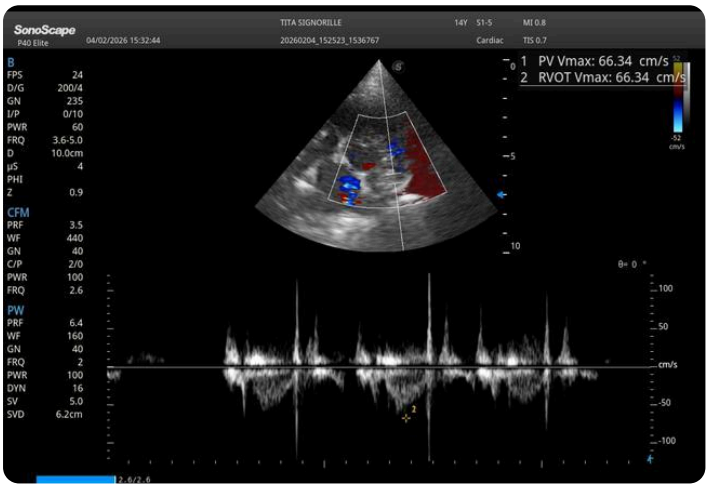

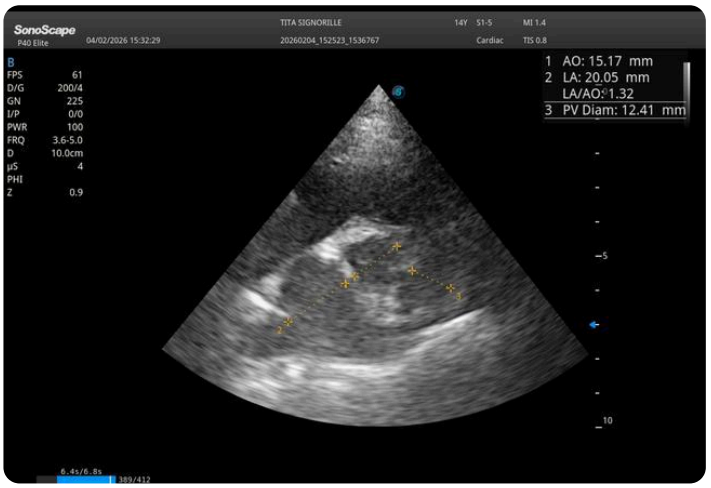

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