



**PATIENT PRESENTING CLINICAL SIGNS**

Oscar Velasco History: Prev echo 12/14/21. Currently on Enalapril 1.25mg BID, Clopidogrel 18,75mg SID, Felimazole. Clinically doing well.

**SPECIES BREED SEX AGE ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

Feline

Domestic Shorthair

Neutered male

10 years

12 lbs

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

Dr. Rodriguez

Foxfield VS

Dr. Rodriguez

The echocardiogram in this patient demonstrated excessively enlarged **left atrium** with no evidence of “smoke” or thrombi. The cranial and caudal **mitral** valve leaflets appeared mildly thickened with some insufficiency noted on Doppler. The **left ventricle** presented excessive free wall and septal thicknesses with hypertrophic thicknesses compared to normal for this species. The **myocardium** presented essentially normal echogenicity without immediate signs of fibrotic or ischemic disease. **Contractility** of the ventricular walls was considered excessive for this patient evidenced by the elevated fractional shortening measurement. The **left ventricular outflow** tract demonstrated turbulent laminar flow. Subjective assessment of the **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated linear morphology. The **right ventricle** was of normal size with normal chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter. No visible **pericardial** or free pleura fluid was noted. No echographically detectable evidence of infiltrative disease was visible. The **mediastinum** was free of masses in the visible window.

| FELINE CARDIAC PARAMETERS  | BODY WEIGHT  | HR (BPM)                  | IVSd (cm)  | LVIDd (cm)      | LVWd (cm)       | FS (%)    | EF (%) |
|--|--------------|---------------------------|--|-----------------|-----------------|-----------|--------|
| NORMAL PARAMETER   | -----        | 150-240                   | 0.3-0.6  | 1.0-2.1         | 0.25-0.6        | 35-67     | 80-100 |
| PATIENT  | 12 lbs       | NM                        | 0.7  | 1.2             | 0.7             | 61        | 93     |
| FELINE CARDIAC PARAMETERS  | LA/AO (Boon) | LA/AO HEART BASE (Sisson) | LA 2D 4-chamber long axis AS to FW (Sisson) (cm) | LVOT VEL. (m/s) | RVOT VEL. (m/s) | IVRT (m/) |        |
| NORMAL PARAMETER   | <1.5         | 0.88-1.79                 | 0.7-1.7  | <1.6            | <1.3            | 40-60     |        |
| PATIENT  | 1.5          | 1.9                       | 2.0  | 1.3             | 1.2             | NM        |        |
| Adapted from June Boon, Veterinary Echocardiography, 1998<br>Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705 |              |                           |  |                 |                 |           |        |

**ULTRASONOGRAPHIC FINDINGS**

Fairly stable hypertrophic cardiomyopathy with left atrial enlargement.

96577

3/7/22



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**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Rodriguez

**HOSPITAL NAME**

Foxfield VS

**REFERRING VET**

Dr. Rodriguez

**INVOICE**

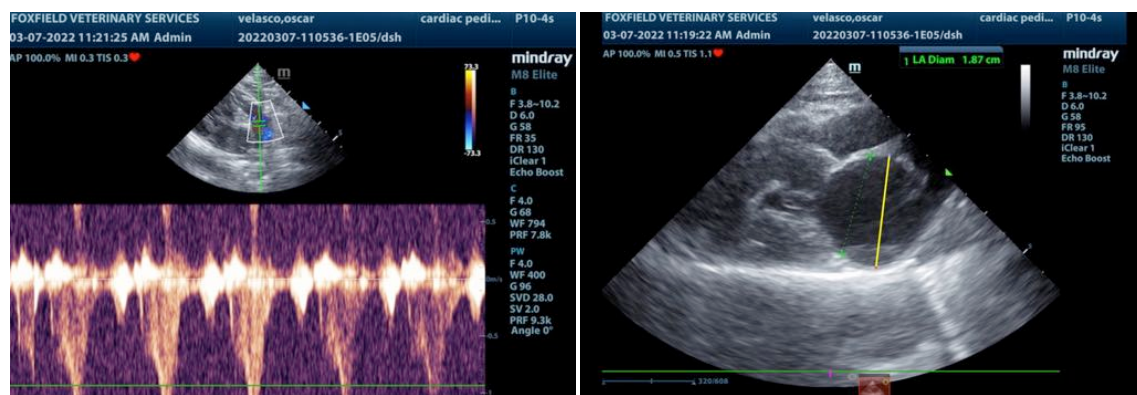
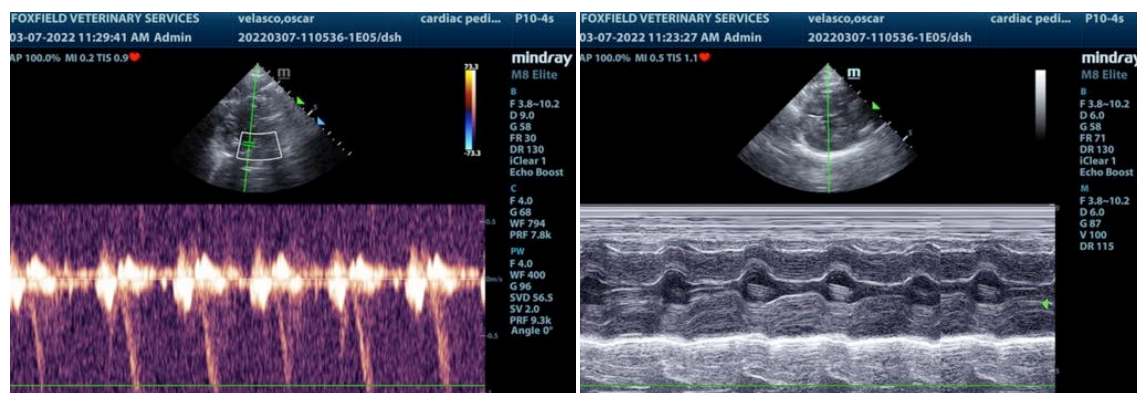
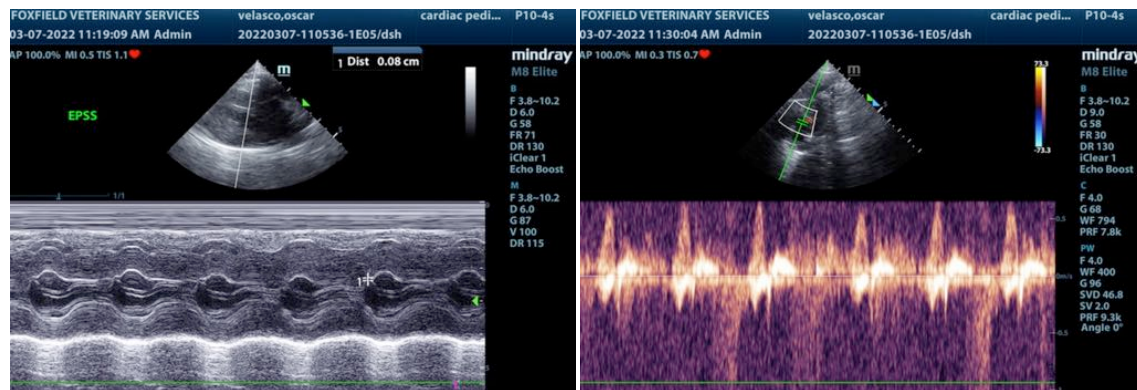
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Continuation of Enalapril and Plavix is recommended. If basil respiratory rate is > 20/minute then Lasix can be considered at 6.25 mg s.i.d. to b.i.d. given the left sided volume overload. Compared to the prior echocardiogram the left atrial size has somewhat diminished. Recheck echocardiogram in 6-12 months.





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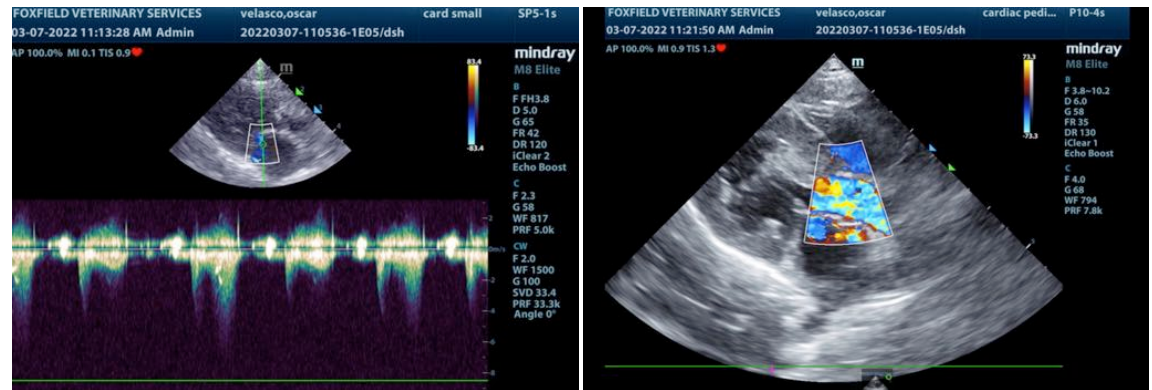
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

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