



PATIENT

Buddy Morales

SPECIES

Feline

BREED

DSH

SEX

MN

AGE

15

WEIGHT

6.4

PRESENTING CLINICAL SIGNS

Polyphagia and weight loss

Lethargy

Abnormal PE/Chem/CBC/UA Results: Bw- elevated TT4, Alt, Alpk Hypertensive Dilated pupil

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

| 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 | 6.4 | NM | 0.64 | 1.5 | 0.62 | 48 | 81 |
| FELINE CARDIAC PARAMETERS | LA/AO M-Mode | LA/AO HEART BASE (Sisson) | LAD LA MAX 4 Chamber | | LVOT VEL. (m/s) | RVOT VEL. (m/s) | IVRT (m/) |
| NORMAL PARAMETER | <1.5 | 1.6 | 0.7-1.7 | | <1.6 | <1.3 | 40-60 |
| PATIENT | -- | 1.5 | 1.5 | | -- | 1.7 | NM |
| Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705 | | | | | | | |

INTERPRETED BY

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY

Dr SHarkawy

HOSPITAL NAME

Union Vet Animal Hospital

REFERRING VET

Dr Sharkawy

INVOICE 24322

DATE 03/27/2026

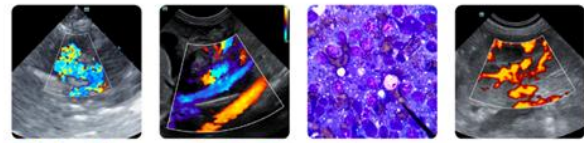
Cardiac Presentation

The echocardiogram in this patient demonstrated normal left atrial size and structure with no evidence of “smoke” or thrombi. The cranial and caudal mitral valve leaflets appeared mildly thickened without overt insufficiency noted on Doppler or evidence of SAM. The left ventricle presented mild excessive free wall and septal thicknesses. The myocardium presented increased echogenicity which may suggest mild fibrosis or ventricular remodeling. 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.

ULTRASONOGRAPHIC FINDINGS

Primary

- Hypertrophic cardiomyopathy



PATIENT

- Normal LA

Buddy Morales

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

Hypertrophic cardiomyopathy is a rule out diagnosis once the patient is deemed euthyroid and normotensive, both applicable in this case. Therapy for hypertension and hyperthyroidism is recommended with echocardiographic monitoring. No current indication for medical therapy.

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Recheck echo recommended in 6 months, sooner if clinical signs arise. Current cardiac anesthetic risk is considered mild. If required, the following protocol is suggested with judicious IV fluid administration.

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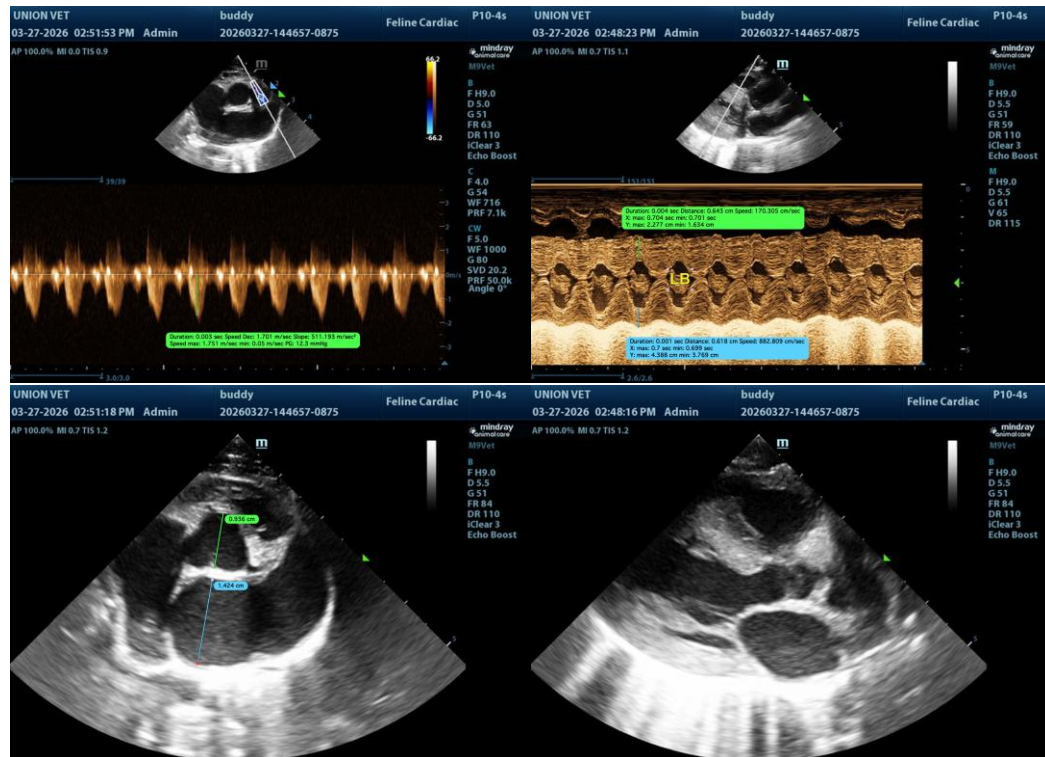
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)

info@sonopath.com



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