



PATIENT

Bubba Waugh

SPECIES

Feline

BREED

DSH

SEX

MN

AGE

17Y

WEIGHT

10.16lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Arielle Roldan, CVT

HOSPITAL NAME

Milford Animal
Hospital

REFERRING VET

Aleksandra Ascione,
DVM

INVOICE

75556

DATE

6-17-26

PRESENTING CLINICAL SIGNS

Pt had echo done 12/3/25: Subaortic stenosis with no medication indicated. Rescheck scan indicated 6 mons. Blood work performed today per owner request abnormal heart markers.

No clinical signs per owner.

Grade III/VI left systolic murmur

Abnormal PE/Chem/CBC/UA Results: Probnp >1500 abnormal TNL 0.82 abnormal

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

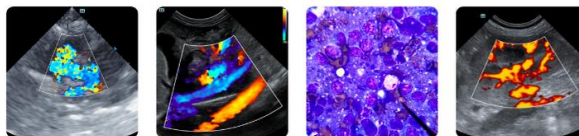
FELINE CARDIAC PARAMETERS	BODY WEIGHT (lbs)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT	10.16	NM	0.55	1.3	0.55	40	74
FELINE CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL. (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	--	1.2	1.3		--	0.9	NM
Adapted from June Boon, Veterinary Echocardiography, 1998 Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

Cardiac Presentation

The left ventricular wall is normal in dimension with regions of myocardial irregularity and borderline hypertrophy. There is a diffusely hyperechoic endocardium consistent with fibrosis and ventricular remodeling. Papillary muscle hypertrophy with regions of remodeling. Normal left atrial dimension, no spontaneous contrast. There is systolic anterior motion (SAM) of the mitral valve present, with dynamic LVOT profile. There is mild eccentric mitral regurgitation present secondary to SAM. Normal right atrial size. Normal right ventricle size. Normal RVOT velocity. No TR. No other obvious valvular regurgitation is present. There is no pericardial effusion noted. No pleural effusion appreciated. No obvious cardiac tumors. No evidence of arrhythmia.

ULTRASONOGRAPHIC FINDINGS

- Persistent dynamic subaortic stenosis/SAM
- LV myocardial remodeling with borderline regional hypertrophy.
- Normal LA.
- Mild eccentric MR.



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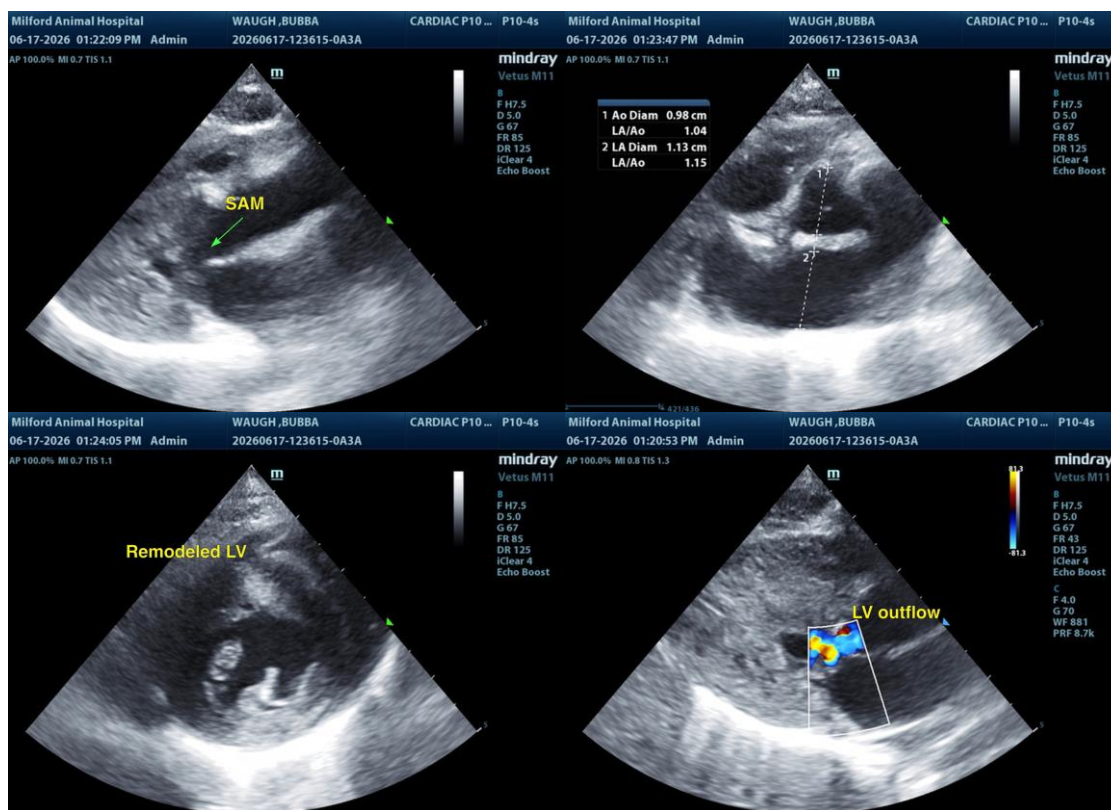
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A similar cardiac presentation compared to the previous study with potential emerging hypertrophic obstructive cardiomyopathy given regional borderline LV hypertrophy. Regardless of classification, the lack of left or right heart chamber enlargement or specifically LA enlargement, indicates the current and future risk of complication remains likely low. No overt indication for cardiac medication.

Continued sonographic monitoring advised for further prognosis. Recheck echo recommended in 6 months, sooner if clinically indicated. If anesthesia is required, the following protocol is recommended with close clinical monitoring and judicious IV fluid administration:

Suggested anesthetic protocol may include opioid or Benzodiazepine pre-med, induction with Propofol or Alfaxalone, and appropriate gas anesthesia with avoidance of alpha 2 agonists.

Monitoring of T4 level and systemic BP to rule out potential complicating factors is suggested.





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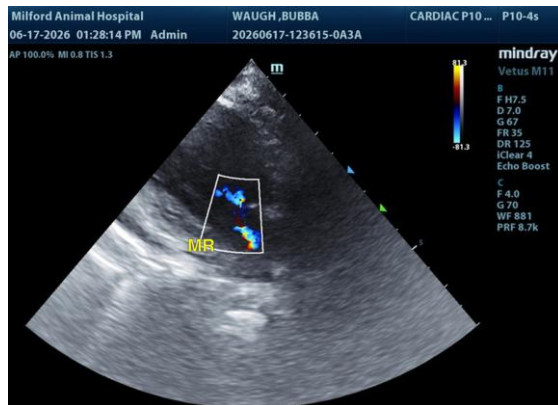
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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