



PATIENT

Leo Crepeau

SPECIES

Feline

BREED

DSH

SEX

MN

AGE

8 years

WEIGHT

13.1 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Andover AH

REFERRING VET

Dr. Abato

INVOICE

14809

DATE

8/15/23

PRESENTING CLINICAL SIGNS

progressive heart murmur

Abnormal PE/Chem/CBC/UA Results: Ca 11.3, Alb 4.1, UA: protein 2+, USPG 1.059

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	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		NM	0.54	1.6	0.61	42	77
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	1.2	1.4	1.3	1.0	0.7	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 borderline hypertrophied with regions of irregularity. Mild basilar IVS hypertrophy is present. Mild diffuse hyperechoic endocardium, suggestive of possible LV fibrosis and ventricular remodeling, is present. The right ventricle is sonographically normal. Normal LA dimension is noted without evidence of spontaneous contrast. Normal right atrial dimension is noted. Normal measured RVOT and LVOT velocity noted. There is systolic anterior motion of the mitral valve present with mild dynamic LVOT profile on Color Doppler. Concurrent eccentric MR is noted on Color Doppler. There is no evidence of significant TR. There is no other obvious valvular regurgitation or evidence of pericardial or pleural effusion. There is no evidence of arrhythmia or cardiac tumors.

ULTRASONOGRAPHIC FINDINGS

- Systolic anterior motion of the mitral valve
- Secondary MR and mild dynamic LVOT Color Doppler Profile
- Borderline LV hypertrophy with mild basilar IVS hypertrophy
- Normal LA

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The echocardiographic presentation is most consistent with hypertrophy obstructive cardiomyopathy. This indicates some degree of borderline to focal LV hypertrophy with mild dynamic LVOT obstruction



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secondary to SAM. Overall, the heart appears to be stable, given the normal LA dimension with no overt evidence of impending CHF or risk for thrombotic event.

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Given no evidence of LA dilation, there is no obvious indication for cardiac medications at this stage. However, variably rates of progression are likely of subclinical cardiomyopathy, and serial sonographic monitoring is advised. Recheck echocardiogram is suggested in 6 months, sooner if clinical signs arise.

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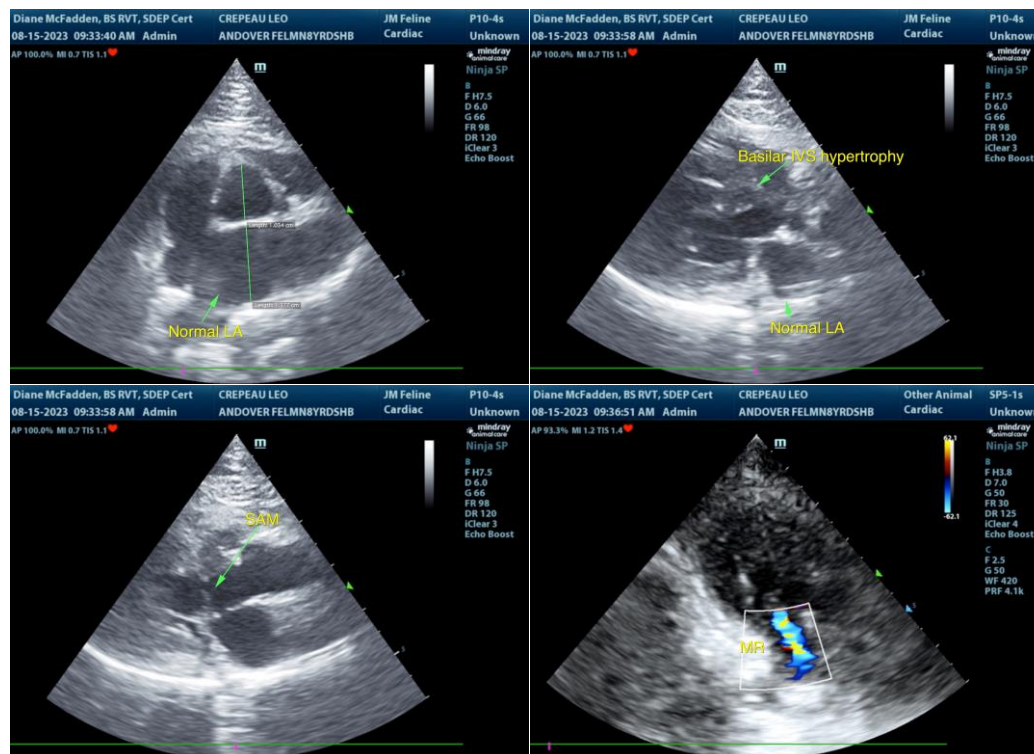
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)
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