**PATIENT**

Tyson Jerke

PRESENTING CLINICAL SIGNS

History: Grade 3/6 heart murmur noted on recent exam. History of vomiting.

-Current medications: Pimobendan 1.25mgs BID, Benazepril 2.5mgs SID.

-Abnormal PE/Chem/CBC/UA Results: ProBNP 147, elevated SDMA, BUN, ALT T4 normal.

SPECIES

Feline

BREED

DSH

SEX

Male Neutered

AGE

15 years

WEIGHT

9.6lbs

INTERPRETED BYMaggie Machen Lamy,
DVM, DACVIM
(Cardiology)**IMAGING PERFORMED BY**

Kim Liedberg

HOSPITAL NAME

SVS Imaging WI

REFERRING VET

Dr. Khatter

INVOICE

26136

DATE

8/31/22

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal to slightly decreased in dimension. There is a mildly hyperechoic endocardium consistent with fibrosis. The endocardium appears minimally remodeled. Borderline LV dilation with increased sphericity. Normal papillary muscles. The left atrium is minimally dilated. The right atrium is normal in size. The right ventricle appears normal. No TR. The mitral valve is normal in structure and mobility. No MR. Blood flow through the LVOT is normal in velocity. Blood flow through the RVOT is normal in velocity. No PI and mild AI. No effusions or obvious cardiac tumors identified.

CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LVWd (cm) (Moise, Pipers)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	4.4	130	0.39	1.8	0.39	53	87
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Swe) (Abbott)	LA 2D short axis Base view (cm) (Abbott)		LVOT VEL (m/s)	RVOT VEL (m/s)	E max (m/s)
NORMAL	<1.5	<1.3	<1.2		<1.6	<1.3	<0.9
PATIENT	1.4	1.4	1.38		1.1	0.9	NM

**Note: All measurements based upon multi-modal images and methods. An average value is reported.*
 Adapted from June Boon, Veterinary Echocardiography, 1998
 Abbott J & MacLean H JVIM 2006;20: 111-119, Moise et al. Am J Vet Res 47:1476, 1986. Pipers et al. Am J Vet Res 40:882, 1979.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Mild abnormalities are identified including minimal LA dilation and borderline LV dilation. No evidence of significant hypertrophy ruling out typical hypertrophic disease. No other significant findings are identified. These abnormalities may suggest early Unclassified Disease; however, monitoring for progression is advised. No cause of the murmur is identified making it likely physiologic in origin.

Given these findings, no medications are indicated as risk for complication at this time is low. No obvious need for Pimobendan or an ACE-I. That being said, a BP should certainly be assessed, given the finding of an aortic leak. Prognosis is guarded long-term until progression is assessed.

Anesthetic risk is considered mildly elevated if needed, however judicious IV fluid rates are advised to avoid fluid overload. Additionally, drugs that stimulate heart rate should be avoided unless clinically necessary (glycopyrrolate, atropine).



PATIENT

Tyson Jerke

Monitor for any development of clinical signs at home, including labored breathing, cough or signs of a blood clot (paralysis, neurologic change).

PLAN

Baseline BP recommended. Pending results, no obvious indication for an ACE-I or Pimobendan.

SPECIES

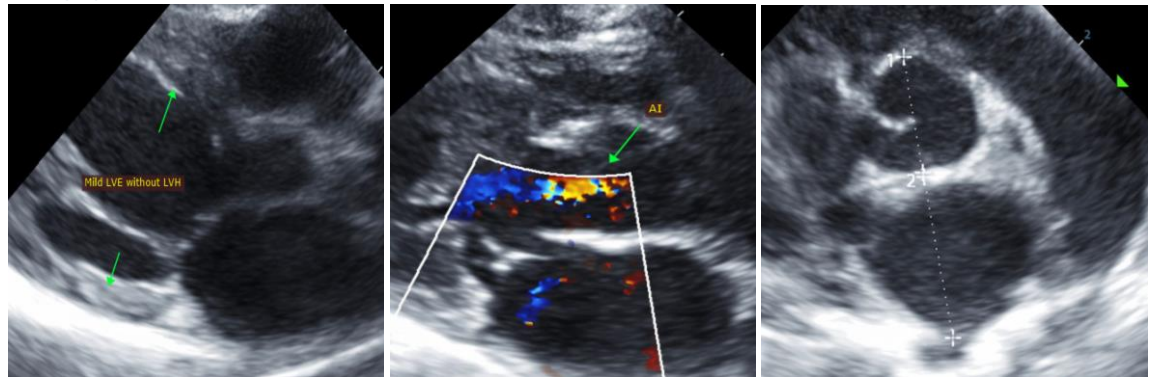
Feline

A recheck echocardiogram is recommended in 6 months to screen for progression, sooner if any issues arise in the interim.

BREED

DSH

IMAGES



SEX

Male Neutered

AGE

15 years

WEIGHT

9.6lbs

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

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

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.

Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

IMAGING PERFORMED BY

Kim Liedberg

HOSPITAL NAME

SVS Imaging WI

REFERRING VET

Dr. Khatter

INVOICE

26136

DATE

8/31/22