



PATIENT

Mittens Zhu-Hilgartner

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

4years

WEIGHT

11lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Potomac Mobile
Veterinary Ultrasound

HOSPITAL NAME

Pets and Vets Animal
Hospital

REFERRING VET

Dr. Jarrett

INVOICE

30174

DATE

4/11/23

PRESENTING CLINICAL SIGNS

History: Asthma. Currently on Albuterol. Assess prior to steroid use.
-Abnormal PE/Chem/CBC/UA Results (01/24/23): CBC: WNL. CHEM: SDMA 17 and Chloride 113. ProBNP: WNL. U/A: USG 1.047. TT4: WNL.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. The endocardium is mildly remodeled. The papillary muscles appear normal. The left atrium is normal in size. The right atrium is normal in size. The right ventricle appears normal. The mitral valve is normal in structure and mobility. Blood flow through both the LVOT and RVOT is normal in velocity. No pleural or pericardial effusion seen. No obvious cardiac tumors.

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	5.0	170	0.45	1.41	0.44	59	92
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	1.37	1.3	1.1		1.0	0.97	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

Overtly normal cardiac structure and function. The LV wall thickness is normal, and there is no evidence of elevated left atrial pressure or underlying pathology at this time. There is mild remodeling and fibrosis of the left ventricular wall, which is considered normal. Given these findings, no medications are indicated.

No cardiac contraindication for general anesthesia. **Risk for complication for steroid use typically follows left atrial dilation, which in this case is low. Any cat should be monitored for signs of acute intolerance, such as a change of RR/RE.**

Recommend recheck echocardiogram annually to screen for silent disease, sooner if a murmur is identified.



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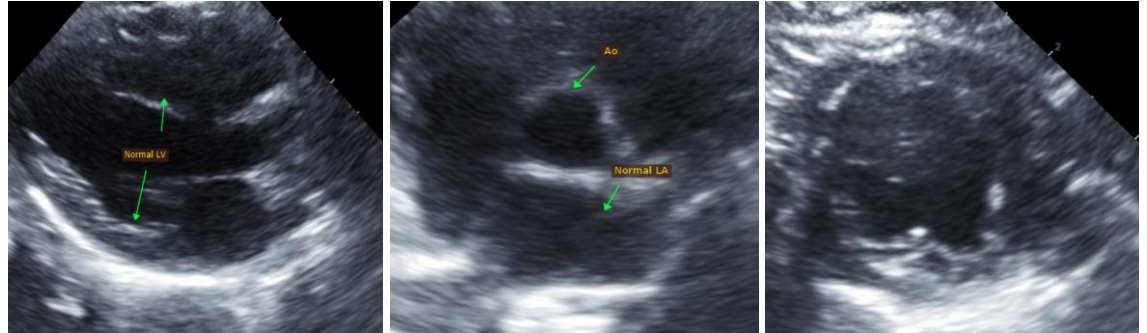
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IMAGES



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.

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. 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
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