



**PATIENT**

Chub Chub Richarz

**SPECIES**

Ferret

**BREED**

**SEX**

Male Neutered

**AGE**

3 years

**WEIGHT**

2.2lbs

**INTERPRETED BY**

Maggie Machen  
Lamy, DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

West Hills Animal  
Hospital

**REFERRING VET**

Dr. Vickstrom

**INVOICE**

24936

**DATE**

6/22/22

**PRESENTING CLINICAL SIGNS**

History: Presented 6/20/2022 for evaluation of L hind limb lameness. Radiographs were taken; no fractures or displacement, soft tissue swelling only. Meloxicam sent home. Over the next two days P declined rapidly, with hypothermia, ptialism, anorexia, severe dehydration, obtunded.

-Current Medications: Clavamox 25 mg/kg PO BID Enrofloxacin 10 mg/kg PO BID started today Sucralfate 25 mg/kg PO TID Famotidine 0.25 mg/kg PO q 24 hours. IV LRS now reduced to 0.25 mL/hour Carnivore care Emerald q 4 hours

Initial CXR: thorax nsf; repeat CXR: progressive lung disease, decreased cardiac size; endocarditis cannot be ruled out.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. The LV chamber and function appear adequate for this species. 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, no MR. Blood flow through the LVOT is normal in velocity. Normal aortic valve; no aortic insufficiency or stenosis identified. No TR. No obvious effusions or cardiac tumors.

**CARDIAC CHART**

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	1.0		0.35	1.2	0.36	50	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	NM	1.1	0.69		0.6	0.7	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. LV dimensions are normal, with intact function. No significant valve insufficiency is seen, and suspicion for endocarditis is low.

It is important to note that ultrasound is largely insensitive for endocarditis. If clinical suspicion persists, consider blood cultures with extended antibiotic therapy for 6-8 weeks.

Given these findings, no medications are indicated. Reassess should a murmur or signs of cardiac compromise be noted.



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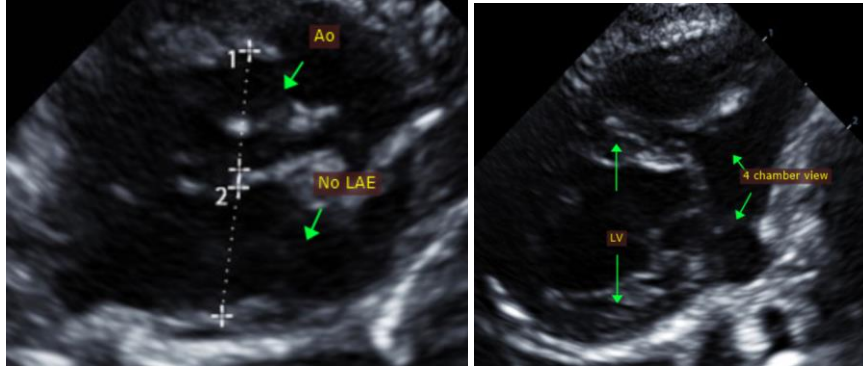
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**IMAGES**



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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