



PATIENT

Beasty Wilson

PRESENTING CLINICAL SIGNS

History: Cardiomegaly on CXR. Non-specific malaise. Patient sedated with butorphanol and maintained with ferret pheromone.

SPECIES

Ferret

RADIOGRAPHIC FINDINGS *NOTE: Images submitted for supplemental cardiac information only. Cardiomegaly. No obvious evidence of CHF.

BREED

Mixed

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. The LV chamber is normal in dimension with adequate myocardial function. There is a mildly hyperechoic endocardium consistent with fibrosis. The papillary muscles are hyperechoic and remodeled. 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. The tricuspid valve appears normal in structure and mobility. No TR. Blood flow through both the LVOT and RVOT are normal in velocity. No effusions. No obvious cardiac tumors.

AGE

4 years

CARDIAC CHART

WEIGHT

2.6lbs

CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LWVd (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	1.2	230	0.3	1.1	0.3	34	68
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	0.6		1.2	1.2	NM

INTERPRETED BY

Maggie Machen Lamy, DVM, DACVIM (Cardiology)

*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.

IMAGING PERFORMED BY

Dr. Belan, DVM

HOSPITAL NAME

Healthy Paws Forward Animal Clinic

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overtly normal cardiac structure and function. Mild fibrosis of the left ventricular wall is noted, which is likely a normal variant. No significant valve leaks are noted, and flow through the great vessels is normal in velocity. No obvious cause of cardiomegaly is identified. Consider advanced diagnostics in this case should suspicion persist, including thoracic CT scan and/or referral to an attending cardiologist. Small abnormalities are easily missed in exotic animals and cannot be definitively ruled out.

REFERRING VET

Dr. Hen Boisen

INVOICE

21904

Given these findings and a normal LA dimension, no medications are indicated. Further systemic evaluation is advised as no structural cause for lethargy is seen here.

DATE

10/5/21

No cardiac contraindication for general anesthesia. Should fluid or steroid therapy be indicated in the future, any animal should be monitored for intolerance (changes in RR/RE).



PATIENT

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Monitor at home for signs of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes).

SPECIES

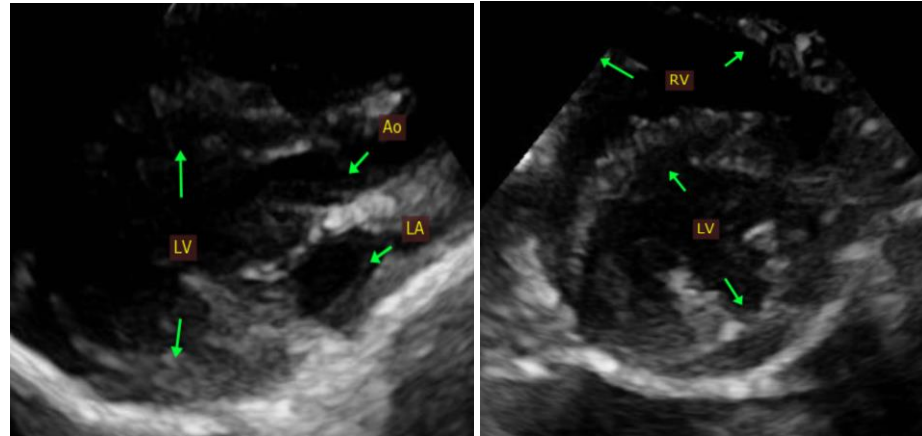
Ferret

Recommend recheck echocardiogram in 1 year to assess for any progressive issues.

BREED

Mixed

IMAGES



SEX

Male Neutered

AGE

4 years

WEIGHT

2.6lbs

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. 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
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

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