



## PATIENT

Riley Hickey

## SPECIES

Ferret

## BREED

Ferret

## SEX

Male Neutered

## AGE

2.5 years

## WEIGHT

1.6 lbs

## INTERPRETED BY

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

## IMAGING PERFORMED BY

Diane McFadden

## HOSPITAL NAME

Wantage Veterinary  
Hospital

## REFERRING VET

Dr. Bullock

## INVOICE

29629

## DATE

3/16/23

## PRESENTING CLINICAL SIGNS

History: Cough. Cardiomegaly.

## 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 although spherical in appearance 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. Trace AI. No effusions. No obvious cardiac tumors.

## CARDIAC CHART

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	0.7	188	0.39	1.27	0.37	49	84
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	1.2	1.1	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. 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. Trace AI is appreciated, and a baseline BP should be considered if possible. 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.

No cardiac cause for the cough is suspected, based upon these findings. Consider a Radiologist review of the films if there is any question on pulmonary pattern.

Given these findings and a normal LA dimension, no medications are indicated.

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**

Riley Hickey

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

**SPECIES**

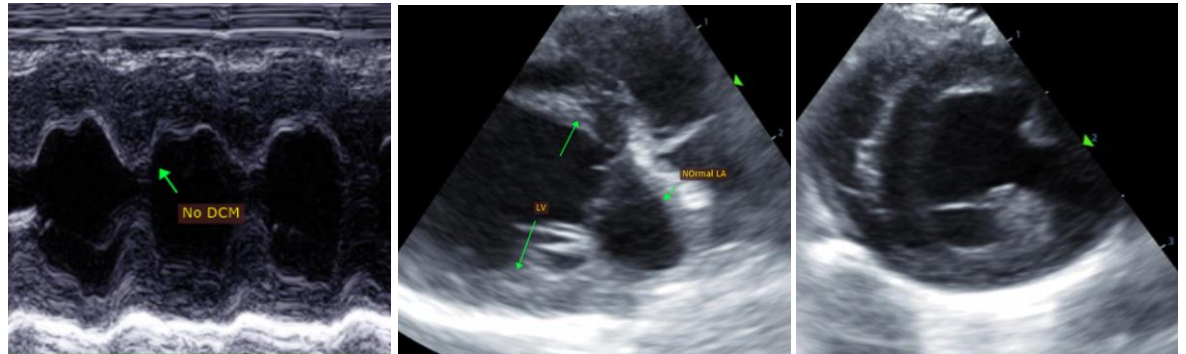
Ferret

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

**BREED**

Ferret

**IMAGES**



**SEX**

Male Neutered

**AGE**

2.5years

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.

**WEIGHT**

1.6lbs

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.

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**Maggie Machen Lamy, DVM**  
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