



PATIENT

Charlie Worley

SPECIES

Feline

BREED

Ragdoll

SEX

Male Neutered

AGE

4.5 years

WEIGHT

12.3lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM DACVIM
(Cardiology)

IMAGING PERFORMED BY

Crystal Hill, RVT

HOSPITAL NAME

Beatties Pet Hospital
Stoney Creek

REFERRING VET

Dr. Salib

INVOICE

21513

DATE

10/13/21

PRESENTING CLINICAL SIGNS

History: Acute coughing and vomiting, began Oct 9 was seen at emergency vet given Cerenia and started on furosemide. Patient has still had occasional coughing fit, mildly decreased urine, no BM since Oct 9. Breathing still seems abnormal to Owner. No murmur and strong synchronous pulses.

-Current medications: Furosemide TID 2mg/kg.

-Pertinent abnormal lab results: Bloodwork: PCV 49%, Glucose 15.36 HIGH ALT 266.

-CXR report: Normal to mild cardiomegaly with patch interstitial alveolar lung pattern. Rule out CHF versus other.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. Decreased LVIDd. There is a diffusely hyperechoic endocardium consistent with mild fibrosis. The papillary muscles are mildly remodeled and hyperechoic. The endocardium also appears remodeled. The left atrium is normal/small 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 the 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	5.6	136	0.43	1.0	0.43	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	1.3	1.2	1.0		0.9	1.0	NM
<p><i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i> 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.</p>							

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overtly normal cardiac structure and function with no evidence of significant LVH or atrial dilation. There is mild remodeling and fibrosis of the left ventricular which is considered a normal variant. No additional issues are identified.

Given today's findings of a normal LA dimension, the reported respiratory signs are noncardiac in origin. This is supported by persistent symptoms despite high dose Lasix therapy. There is some evidence of dehydration with a small LA and LV dimension and **Lasix should certainly be discontinued**. Consider potentially broad spectrum respiratory therapy (steroids, antibiotics, bronchodilators, etc.) if indicated.



PATIENT

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No contraindication to steroid or fluid therapy from a cardiac standpoint should it be indicated; however, any cat is prone to intolerance and RR/RE should be closely monitored.

SPECIES

Feline

No cardiac medications are indicated.

BREED

Ragdoll

A recheck echocardiogram is recommended should a murmur, gallop or signs of cardiac disease develop in the future.

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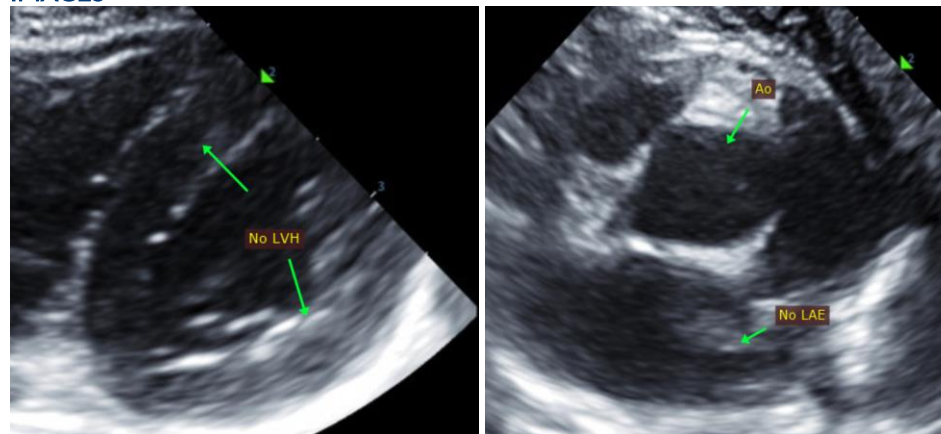
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IMAGES



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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.

IMAGING PERFORMED BY

Crystal Hill, RVT

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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