



PATIENT

Luci Haddock

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

4 years

WEIGHT

5.5lbs

PRESENTING CLINICAL SIGNS

History: Hospitalized for azotemia. Presented for coughing and increased respiratory rate. BP: 187/166mmHg (map 170).

-X-rays: Showed evidence of CHF at RDVM.

-Current medications Gabapentin 50mg, Cerenia, Potassium Gluconate, Mirtaz, Buprenorphine.

-Abnormal PE/Chem/CBC/UA Results: EPOC: pH 7.55, Na 146 (L), K 2.8 (L), Cl 109 (L), Ca 0.94 (L), BUN 75, Creat 2.77 CBC: HCT 51.9 WBC 9.08 Plts 42.

ELECTROCARDIOGRAPHIC FINDINGS *Note: Single lead ECGs are evaluated as a rhythm strip. Morphology/MEA cannot be definitively commented on.

A single lead ECG is available; 50mm/s, 10mm/mV. The average heart rate is 214bpm with a regular rhythm. The rhythm is sinus in origin, with a p for every QRS complex and vice versa. The P and QRS morphologies are positive. No ectopic beats, pauses or dysrhythmias observed. ECG diagnosis: Normal sinus tachycardia.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall thickness is normal with a normal LV chamber. There is a mildly hyperechoic endocardium consistent with mild fibrosis. The endocardium also appears mildly remodeled. The papillary muscles are normal in size and hyperechoic. The left atrium is normal in size. The right atrium is normal in size. The right ventricle appears normal. The mitral valve is mildly thickened and elongated, consistent with mild dysplasia. Trace/mild central MR. No obvious SAM. Trace TR. Blood flow through both the LVOT and RVOT is normal in velocity. No pleural or pericardial effusion seen. No obvious cardiac tumors.

CARDIAC CHART

INTERPRETED BY

Maggie Machen
Lamy, DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Wilvet of Salem

REFERRING VET

Wilvet of Salem

INVOICE

25460

DATE

7/20/22

| FELINE CARDIAC PARAMETERS | BODY WEIGHT (kg) | HR (BPM) | IVSd (cm) <small>(Moise, Pipers)</small> | LVIDd (cm) <small>(Moise, Pipers)</small> | LVWd (cm) <small>(Moise, Pipers)</small> | FS (%) | EF (%) |
|---|------------------|---------------------------------|---|--|---|----------------|-------------|
| NORMAL PARAMETER | ----- | 150-240 | 0.35-0.55 | <2 (mean 1.5) | 3.5-0.55 | 35-67 | 80-100 |
| PATIENT | 2.5 | 180 | 0.45 | 1.6 | 0.45 | 41 | 76 |
| 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 | 1.3 | 1.1 | | 0.9 | 1.4 | NM |
| <p>*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.</p> | | | | | | | |

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overtly normal cardiac structure and function. The LV wall thickness is normal and there is no evidence of LA pressure. The mitral valve is mildly abnormal, most consistent with dysplasia causing mild mitral regurgitation. No SAM is appreciated, and this appears hemodynamically insignificant. Mild remodeling and fibrosis of the left ventricular wall is likely a normal age-



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related finding and no additional issues are identified. The ECG is unremarkable with a normal sinus tachycardia.

SPECIES

Feline

Given these findings, **the prior respiratory signs are unlikely to reflect CHF.** Ancillary issues such as respiratory disease should be considered more likely. No indication for cardiac supportive medications at this time, particularly in light of significant azotemia.

BREED

DSH

Anesthetic risk is considered mild. Risk for complication with steroid or fluid therapy typically follows LA dilation, which in this case is low. That being said, any cat can experience unexpected signs of intolerance and monitoring of RR/RE is advised particularly in the initiation phase.

SEX

Female Spayed

PLAN

Consider Radiologist review of the films and further respiratory therapy. Baseline BP and T4 are recommended.

AGE

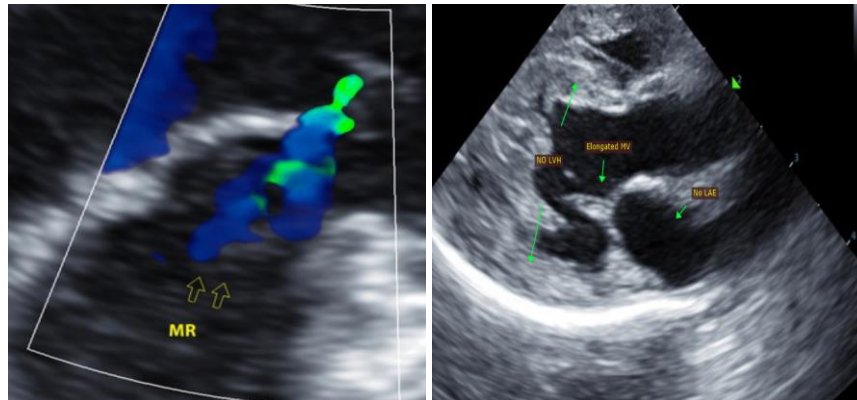
4 years

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

WEIGHT

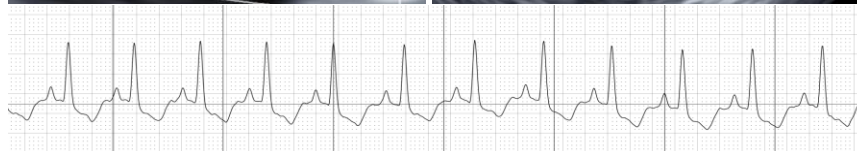
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IMAGES



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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.

REFERRING VET

Wilvet of Salem

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.

INVOICE

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