



PATIENT

Apollo Evans

SPECIES

Feline

BREED

Domestic Short Hair

SEX

MN

AGE

2013

WEIGHT

12.81lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM, DACVIM
(Cardiology)

HOSPITAL NAME

CityPets Veterinary
Care

REFERRING VET

Dr. Shook

INVOICE

20862

DATE

9/2/21

PRESENTING CLINICAL SIGNS

History: Episodes of coughing and wheezing. Diagnosed with asthma by another vet in 2015, and a course of antibiotics and steroids dispensed. No medications since then. Over the past 2 months owner has noted episodes of coughing and wheezing. The episodes were happening about 1x/week but have increased to about 2x/week.

-Pertinent abnormal PE/Chem/CBC/UA Results: CBC:WNL. Chem:WNL. proBNP is 110 (0-100). T4 is normal at 2.2. HW Antibody and Antigen are negative.

-Sedation used: Not needed.

-STAT: Not requested.

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

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension with regions of irregularity. There is a diffusely hyperechoic endocardium consistent with fibrosis. The papillary muscles are mildly remodeled and hyperechoic. The endocardium also appears 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. Blood flow through both the LVOT and 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 | 3.5-0.55 | <2 (mean 1.5) | 3.5-0.55 | 35-67 | 80-100 |
| PATIENT | 5.8 | 220 | 0.35 | 1.5 | 0.34 | 39 | 74 |
| 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 | 1.0 | | 0.95 | 0.85 | NM |

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

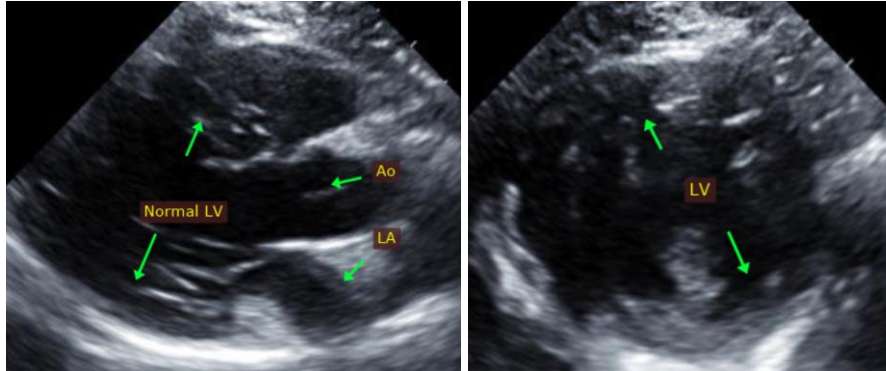
Overtly normal cardiac structure and function. The LV wall thickness is normal and there is no evidence of elevated left atrial pressure.

No cardiac contribution to the clinical signs is suspected with asthma most likely. Consider a radiologist evaluation of the films for more detailed pulmonary interpretation. Given these findings, no medications are indicated.

No cardiac contraindication for general anesthesia.

Recheck echocardiogram should a murmur, gallop, or clinical signs of cardiac compromise be noted in the future.

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.

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