



PATIENT

Takoma Rome

SPECIES

Feline

BREED

DSH

SEX

Male Neutered

AGE

10 years

WEIGHT

20lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Tranquility Veterinary
Clinic

REFERRING VET

Dr. Christensen

INVOICE

24886

DATE

6/21/22

PRESENTING CLINICAL SIGNS

History: Pre-op cardiac screen for anesthesia. LAFB on Idexx ECG report.
-Sedation: Torbugesic 0.15ml IV today prior to scan.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is borderline in dimension. There is a diffusely hyperechoic endocardium consistent with mild fibrosis. The endocardium also appears minimally remodeled. Papillary muscle fibrosis. The left atrium is borderline normal. 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 are normal in velocity on Doppler. No obvious cardiac tumors identified. No effusions.

CARDIAC CHART

| FELINE CARDIAC PARAMETERS | BODY WEIGHT (kg) | HR (BPM) | IVSd (cm) <small>(Moise, Pipers)</small> | LVIDd (cm) <small>(Moise, Pipers)</small> | LWVd (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 | 9.1 | 190 | 0.55 | 1.7 | 0.56 | 60 | 91 |
| FELINE CARDIAC PARAMETERS | LA/AO <small>(Boon)</small> | LA/AO HEART BASE (Swe) <small>(Abbott)</small> | LA 2D short axis Base view (cm) <small>(Abbott)</small> | | 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 | 1.4 | 1.3 | 1.35 | | 0.93 | NM | 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.*

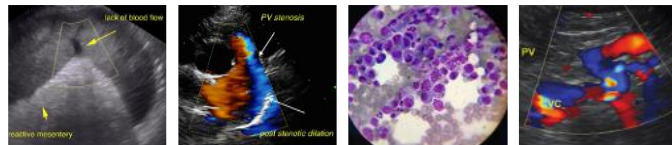
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Borderline LV hypertrophy is present, which may be indicative of early cardiac disease or may simply represent a normal variant. The LA is also borderline normal which would indicate clinical stability. Serial echocardiography will be necessary to determine progression. No additional issues are identified. Given these findings, no medications are indicated.

No cardiac contraindication for general anesthesia, however any cat with fibrosis will be at risk for iatrogenic IV fluid overload should they be needed.

Monitor for any development of clinical signs, including labored breathing or signs of a blood clot (paralysis, neurologic change).

A recheck echocardiogram is recommended in 12 months to screen for any evidence of progression, sooner if a murmur, gallop or signs of cardiac compromise be noted in the interim.



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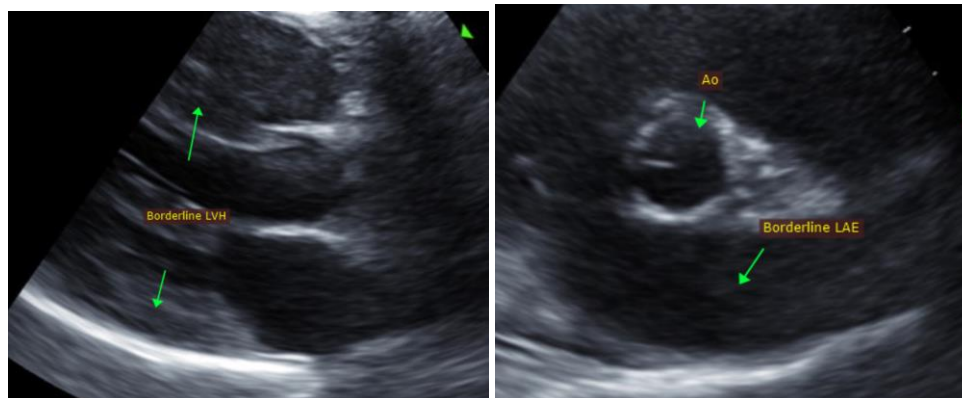
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IMAGES



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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.

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

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