



PATIENT

Con Goins

SPECIES

Feline

BREED

Bengal

SEX

Female Spayed

AGE

7.2.13

WEIGHT

4.9lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Andi Parkinson, RDMS

HOSPITAL NAME

Paradise Animal Hospital

REFERRING VET

Dr. Pound

INVOICE

22769

DATE

2.23.22

PRESENTING CLINICAL SIGNS

History: 1 year history of weight loss and diarrhea. Hill's GI Biome has helped form stools. BCS 2/9, MCS 1/3. Grade 2/6 cardiac murmur.

-Pertinent abnormal PE/Chem/CBC/UA Results: 1/12/22- SDMA 17, Crea 1.8 (2.3), BUN 62 (37), ALT 277 (158), RBC 5.35 (7.12), HGB 7.8 (10.3), HCT 23.3 (28.2), Spec FPL 6.9 (3.5), Pro BNP 213. UA- USG 1.024, 2+ protein, trace glucose, pH 6.0, WBC and RBC 2-5/hpf. 1/22/22- spec FPL 2.6 (3.5), Cobalamin >2000, Folate 5.7 (8.9), TLI 91.8 (82). Mycoplasma negative, FeLV/FIV/Heartworm Negative.

-Sedation used: Patient sedated with Gabapentin and IM Torbugesic.

-Pertinent previous ultrasound results: No previous.

RADIOGRAPHIC FINDINGS *NOTE: Images submitted for supplemental 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. There is a diffusely hyperechoic endocardium consistent with age-related fibrosis. Minimal remodeling. The papillary muscles are hyperechoic. 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. No effusions. 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	2.2	150	0.51	1.1	0.54	40	75
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	1.2	1.1	0.99	0.95	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.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

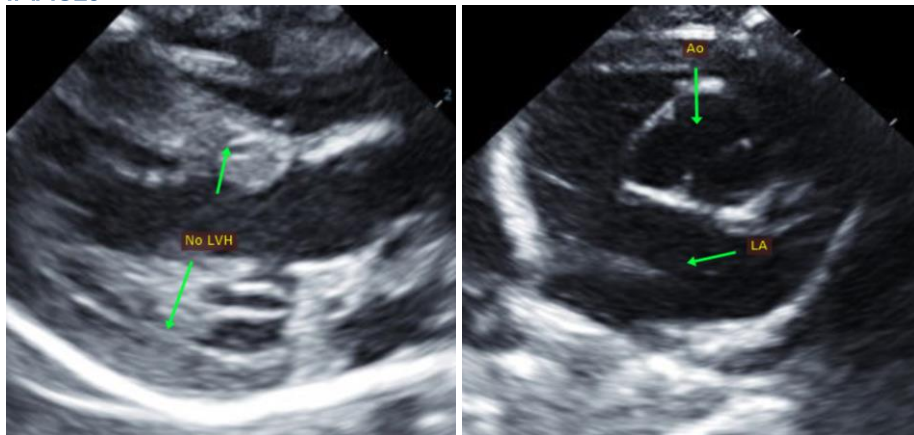
Overtly normal geriatric cardiac structure and function. Mild fibrosis of the left ventricular wall is noted, which is likely a normal age-related variant. No significant valve leaks are noted, and flow through the great vessels is normal in velocity. No definitive cause is identified for the murmur in this study, making it likely physiologic in origin (i.e., secondary to tachycardia, volume changes, etc.). 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 cat should be monitored for intolerance (changes in RR/RE).

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

Recommend recheck echocardiogram in 1 year to assess for any progressive issues or development of disease the pre-existing murmur may mask.

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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