



PATIENT

Ernie Dutch

SPECIES

Feline

BREED

Maine Coon

SEX

Male Neutered

AGE

12 years

WEIGHT

14.8lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Karen Ebersole,
DVM, DABVP

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Cohen

INVOICE

29014

DATE

2/15/23

PRESENTING CLINICAL SIGNS

History: Recent decrease in appetite, small amount diarrhea and acting nauseous. Mild weight loss over past 6 months. Ataxic event last year, unknown cause, resolved.
-Abnormal PE/Chem/CBC/UA Results: ProBNP 1,115, T-4: 3.0, rest WNL.

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 fibrosis. The endocardium also appears mildly remodeled. Mild papillary muscle hypertrophy. The left atrium is normal. The mitral valve is normal in structure and mobility. No MR. The right atrium is normal in size. The right ventricle appears normal. No TR. Blood flow through the LVOT is normal, laminar flow. Blood flow through the RVOT is normal in velocity. No AI/PI. 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>	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	6.7	180	0.57	1.59	0.58	58	90
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 <small>(m/s)</small>	RVOT VEL <small>(m/s)</small>	E max <small>(m/s)</small>
NORMAL	<1.5	<1.3	<1.2		<1.6	<1.3	<0.9
PATIENT	1.2	1.1	1.1		1.1	0.8	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

Overtly normal geriatric cardiac structure and function. There is mild fibrosis of the left ventricular wall and borderline LV wall dimensions which may be indicative of early hypertrophic disease or may simply represent a normal variant. The fibrosis alone is theoretically enough to explain an elevated BNP; however, other causes of elevation such as hypertension should be ruled out. Regardless, the LA is normal which would indicate clinical stability. Serial echocardiography will be necessary to determine progression. A screening BP and T4 are recommended every 6 months as possible contributing factors.

Anesthetic risk is mild, however any cat with fibrosis and diastolic dysfunction will be at risk for IV fluid overload. Careful monitoring of breathing rates during and after administration is advised.



PATIENT

Ernie Dutch

No cardiac specific medications are indicated. Monitor for any development of clinical signs, including labored breathing or signs of a blood clot (paralysis, neurologic change).

SPECIES

Feline

PLAN

Baseline BP and T4 are recommended every 6 months.

BREED

Maine Coon

A recheck echocardiogram is recommended in 6-12 months to screen for any evidence of progression.

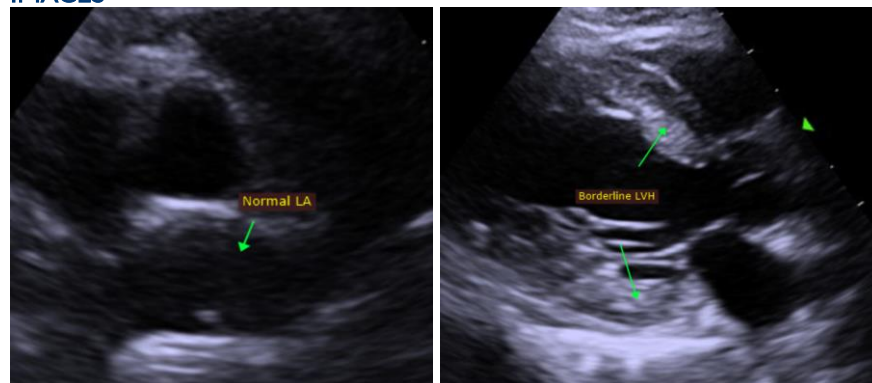
SEX

Male Neutered

IMAGES

AGE

12 years



WEIGHT

14.8lbs

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.

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

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.

IMAGING PERFORMED BY

Karen Ebersole,
DVM, DABVP

Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Cohen

INVOICE

29014

DATE

2/15/23