



**PATIENT**

Katya Napierala

**SPECIES**

Feline

**BREED**

Siberian Forest Cat

**SEX**

Spayed Female

**AGE**

7 Years 7 Months

**WEIGHT**

8.8 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**PRESENTING CLINICAL SIGNS**

Patient recently seen for her annual exam and a new finding of a Grade 3/6 systolic murmur ausc. Patient is calm for her exams and assessed at home with our mobile practice. Patient asymptomatic and no other clinical concerns. Elevated Pro-BNP and new cardiac murmur led to decision to perform echo

Abnormal PE/Chem/CBC/UA Results: Cardiac ProBNP: 219 (0-100) - taken on day of annual exam

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT		110	0.4	1.18	0.55	50	--
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Sisson)	LA 2D 4-chamber long axis AS to FW (Sisson) (cm)	LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)	
NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
PATIENT	--	1.2	1.4	--	--	NM	
Adapted from June Boon, Veterinary Echocardiography, 1998							
Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

**Cardiac Presentation**

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. The mitral valve presented minor insufficiency, not clinically significant. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions and angles of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinetics. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted or extra cardiac pathology in the visible planes. The cranial **mediastinum and pericardial regions** were free of masses in the visible window.

**ULTRASONOGRAPHIC FINDINGS**

- Minor mitral insufficiency, clinically insignificant
- Structurally and functionally normal heart otherwise

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No therapy recommended at this time.

**IMAGING PERFORMED BY**

Dr. Jenni Tudini

**HOSPITAL NAME**

East Aurora VH

**REFERRING VET**

Dr. Jenni Tudini

**INVOICE**

47172

**DATE**

5/4/23



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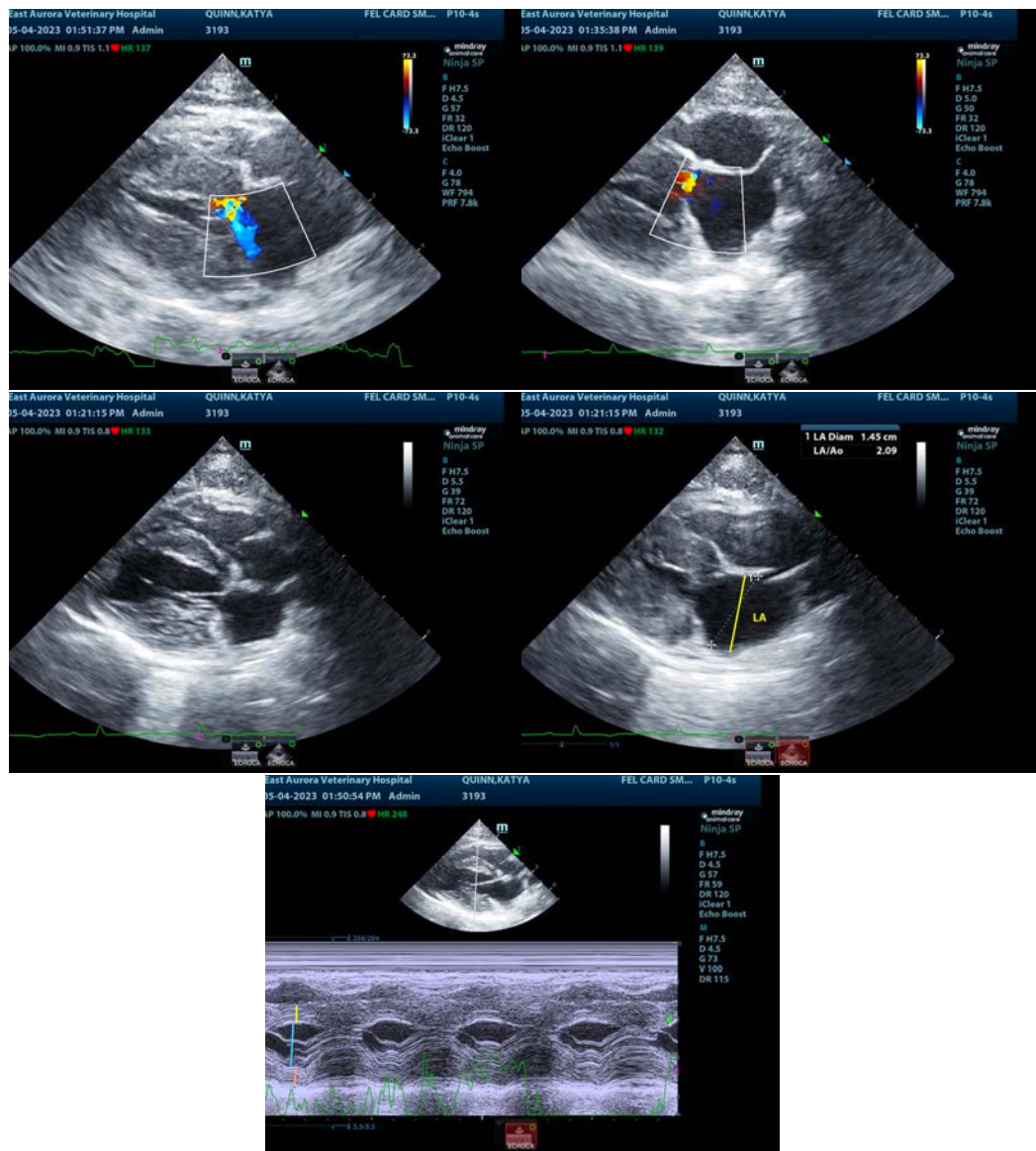
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

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