



## PATIENT

Milo Manago

## SPECIES

Canine

## BREED

Main Coon

## SEX

Spayed Female

## AGE

1 Year

## WEIGHT

16.2 Pounds

## PRESENTING CLINICAL SIGNS

History: Heart Murmur diagnosed as kitten (grade 4/6) Echo performed in Dec. 2021 Asymptomatic Very anxious/fractious - sedated with IM Butorphanol and Alfaxan

Abnormal PE/Chem/CBC/UA Results: none

## ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
<b>NORMAL PARAMETER</b>	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
<b>PATIENT</b>	--	NM	0.45	1.91	0.58	--	--
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/)	
<b>NORMAL PARAMETER</b>	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
<b>PATIENT</b>	1.1	1.5	1.7	1.40	1.10	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							

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Gudrun Gunther

## HOSPITAL NAME

New Frontier AMC

## REFERRING VET

Gudrun Gunther

## INVOICE

16447

## DATE

7/1/22

## Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. The cranial and caudal **mitral** valve leaflets presented normal linear structure and kinetics. The ventricular septum in this patient revealed a trivial ventricular septal defect, it was nearly closed and given this patient is full grown, it will likely remain trivial. 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 **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. Trivial tricuspid insufficiency noted, not clinically significant. **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

- Trivial ventricular septal defect with slight tricuspid insufficiency.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No treatment recommended. No contraindication to anesthetic procedure.



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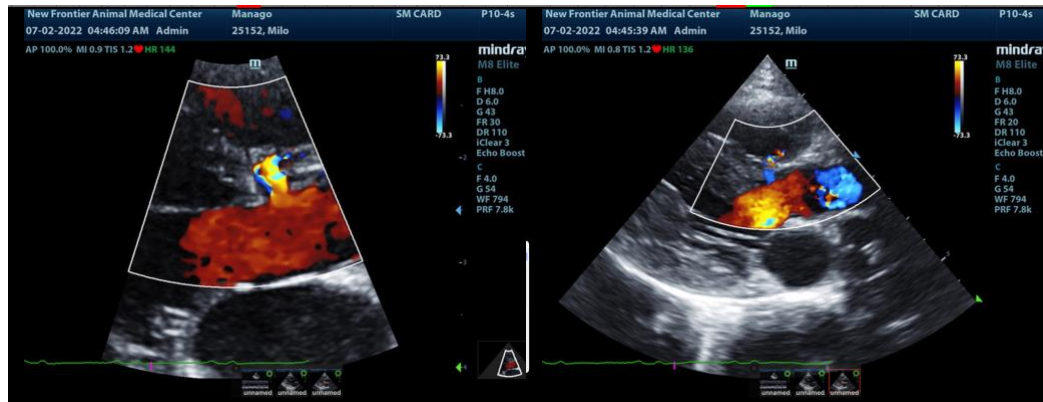
Canine

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Main Coon

**SEX**

Spayed Female



**AGE**

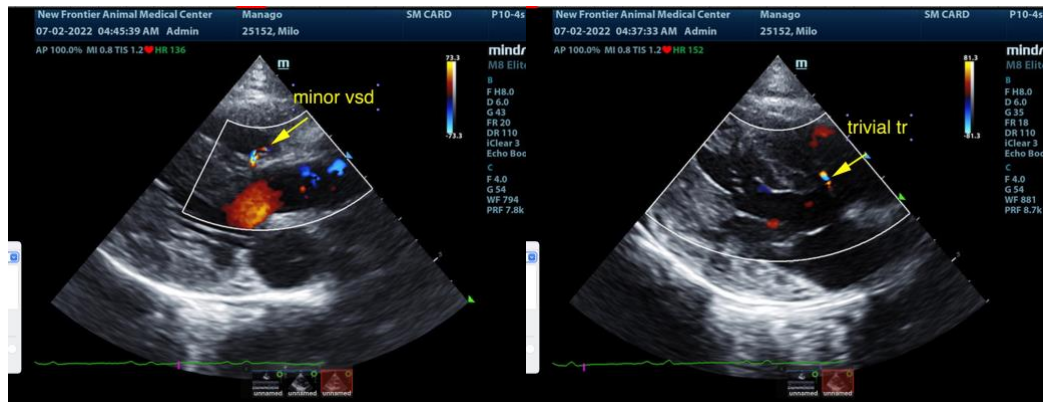
1 Year

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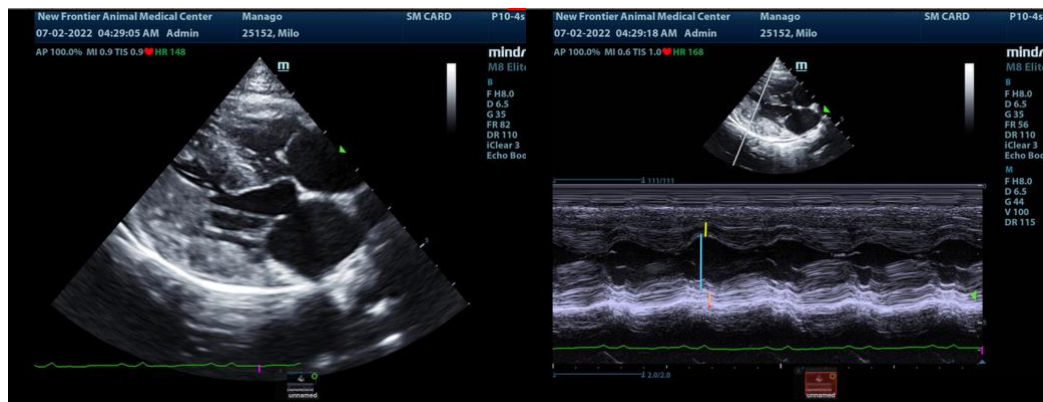
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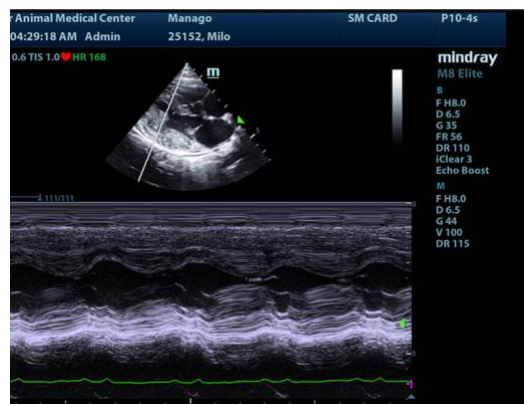
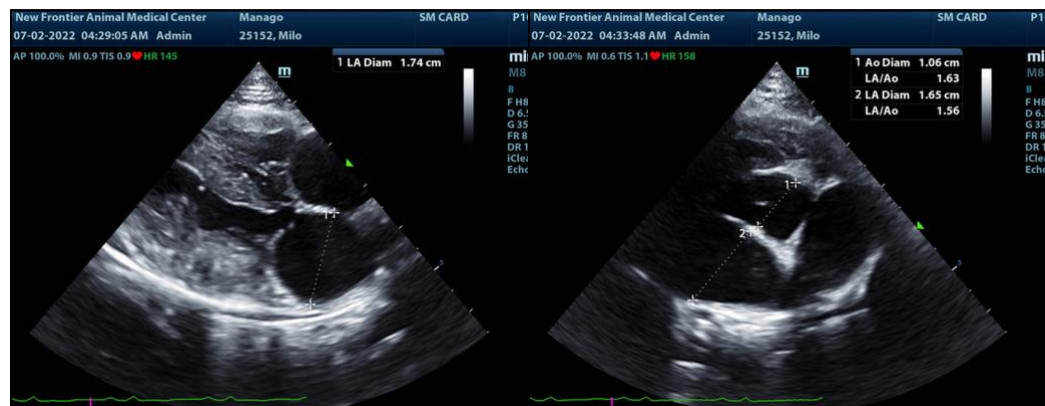
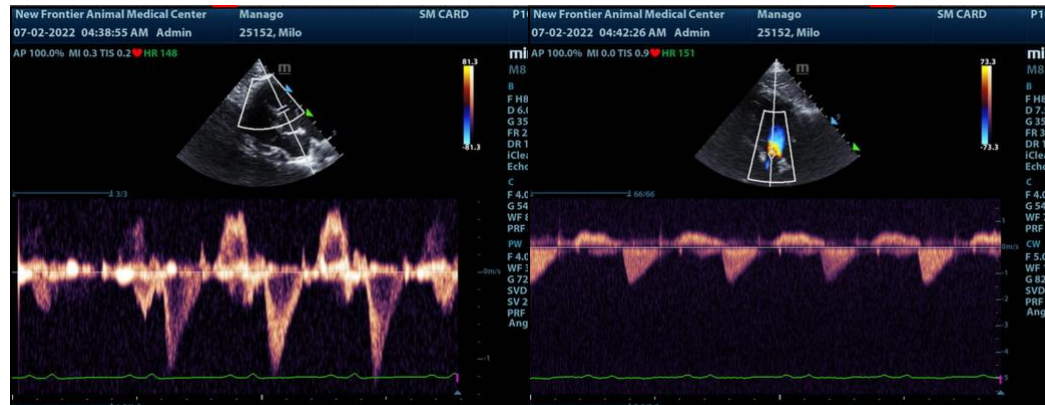
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. 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  
info@SonoPath.com